



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CDRI-TL-L24-9DWU-L24-9DWD-XXX-DIM-UNV-OW-CSD-OW-CSU-WM_3000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM BALLABS TEST NO. 20685.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 03/12/2021

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO

[LUMINAIRE] LED DIRECT INDIRECT WARM DIM CYLINDER

[MORE] OPEN SEMI-SPEC REFL WIDE DIST UP AND DOWN

[LUMCAT] 6CDRI-TL-L24-9DWU-L24-9DWD-xxx-DIM-UNV-OW-CSD-OW-CSU-WM

[LAMPCAT] V13 BXRE-35E2000

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Classroom, Commercial, Corridor, Hotel, Industrial, Office, Downlight

[_SEARCH_MOUNTING] Wall

[_CONVERT] Photometric web converted from original test data

[_CONVERT] Luminaire test position and photometric web converted from original test data

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4117
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	55
Total Luminaire Watts	75.4
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.37 ft (Diameter)
Luminous Width (90-270)	0.37 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6756	6756	6756
55	2082	2082	2082
65	257	257	257
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176
10	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884
30	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483
50	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282
65	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478
125	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410
140	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273
160	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557
180	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000

Vert. Angles Horizontal Angles

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176
10	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884
30	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483
50	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282

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CANDELA TABULATION - (Cont.)

65	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478
125	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410
140	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273
160	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557
180	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000

Vert. Horizontal Angles

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176
10	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884
30	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483
50	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282
65	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478
125	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410

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CANDELA TABULATION - (Cont.)

140	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273
160	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557
180	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000

Vert. Angles

Horizontal Angles

	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176
10	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884
30	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483
50	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282
65	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478
125	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410
140	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273
160	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557
180	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000

Vert. Angles

Horizontal Angles

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CDRI-TL-L24-9DWU-L24-9DWD-XXX-DIM-UNV-OW-CSD-OW-CSU-WM_3000K.IES

CANDELA TABULATION - (Cont.)

10	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884
30	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483
50	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282
65	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478
125	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410
140	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273
160	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557
180	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000

Vert. Horizontal Angles

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176
10	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884
30	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483
50	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282
65	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CDRI-TL-L24-9DWU-L24-9DWD-XXX-DIM-UNV-OW-CSD-OW-CSU-WM_3000K.IES

CANDELA TABULATION - (Cont.)

85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478
125	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410
140	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273
160	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557
180	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000

**Vert.
Angles**

Horizontal Angles

	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176
10	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884
30	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483
50	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282
65	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478
125	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410
140	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CDRI-TL-L24-9DWU-L24-9DWD-XXX-DIM-UNV-OW-CSD-OW-CSU-WM_3000K.IES

CANDELA TABULATION - (Cont.)

160	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557
180	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000

**Vert.
Angles**

Horizontal Angles

	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176
10	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884
30	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483
50	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282
65	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478
125	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410
140	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273
160	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557
180	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000

**Vert.
Angles**

Horizontal Angles

	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176
10	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CDRI-TL-L24-9DWU-L24-9DWD-XXX-DIM-UNV-OW-CSD-OW-CSU-WM_3000K.IES

CANDELA TABULATION - (Cont.)

30	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483
50	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282
65	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478
125	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410
140	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273
160	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557
180	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000

Vert. Horizontal Angles

	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176
10	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884
30	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483
50	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282
65	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CDRI-TL-L24-9DWU-L24-9DWD-XXX-DIM-UNV-OW-CSD-OW-CSU-WM_3000K.IES

CANDELA TABULATION - (Cont.)

105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478
125	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410
140	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273
160	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557
180	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000

Vert. Horizontal Angles

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176
10	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884
30	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483
50	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282
65	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478
125	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410
140	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273
160	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CDRI-TL-L24-9DWU-L24-9DWD-XXX-DIM-UNV-OW-CSD-OW-CSU-WM_3000K.IES

CANDELA TABULATION - (Cont.)

180 1621.000 1621.000 1621.000 1621.000 1621.000 1621.000 1621.000 1621.000 1621.000 1621.000

Vert. Angles Horizontal Angles

	<u>275.0</u>	<u>277.5</u>	<u>280.0</u>	<u>282.5</u>	<u>285.0</u>	<u>287.5</u>	<u>290.0</u>	<u>292.5</u>	<u>295.0</u>	<u>297.5</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176
10	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884
30	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483
50	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282
65	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478
125	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410
140	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273
160	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557
180	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000

Vert. Angles Horizontal Angles

	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176
10	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884
30	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CDRI-TL-L24-9DWU-L24-9DWD-XXX-DIM-UNV-OW-CSD-OW-CSU-WM_3000K.IES

CANDELA TABULATION - (Cont.)

50	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282
65	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478
125	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410
140	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273
160	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557
180	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000

Vert. Horizontal Angles

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176	1969.176
10	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884	2356.884
30	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483	46.483
50	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282	5.282
65	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478	4.478

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CDRI-TL-L24-9DWU-L24-9DWD-XXX-DIM-UNV-OW-CSD-OW-CSU-WM_3000K.IES

CANDELA TABULATION - (Cont.)

125	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410	39.410
140	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273	1998.273
160	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557	1669.557
180	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000	1621.000

Vert. Horizontal Angles

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0	1912.129	1912.129	1912.129	1912.129	1912.129
5	1969.176	1969.176	1969.176	1969.176	1969.176
10	2028.336	2028.336	2028.336	2028.336	2028.336
15	2070.593	2070.593	2070.593	2070.593	2070.593
20	2162.502	2162.502	2162.502	2162.502	2162.502
25	2356.884	2356.884	2356.884	2356.884	2356.884
30	1846.631	1846.631	1846.631	1846.631	1846.631
35	324.322	324.322	324.322	324.322	324.322
40	84.514	84.514	84.514	84.514	84.514
45	46.483	46.483	46.483	46.483	46.483
50	24.298	24.298	24.298	24.298	24.298
55	11.621	11.621	11.621	11.621	11.621
60	5.282	5.282	5.282	5.282	5.282
65	1.056	1.056	1.056	1.056	1.056
70	1.056	1.056	1.056	1.056	1.056
75	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000
110	0.896	0.896	0.896	0.896	0.896
115	0.896	0.896	0.896	0.896	0.896
120	4.478	4.478	4.478	4.478	4.478
125	9.853	9.853	9.853	9.853	9.853
130	20.601	20.601	20.601	20.601	20.601
135	39.410	39.410	39.410	39.410	39.410
140	71.655	71.655	71.655	71.655	71.655
145	274.975	274.975	274.975	274.975	274.975
150	1565.658	1565.658	1565.658	1565.658	1565.658
155	1998.273	1998.273	1998.273	1998.273	1998.273
160	1833.467	1833.467	1833.467	1833.467	1833.467
165	1755.543	1755.543	1755.543	1755.543	1755.543
170	1719.715	1719.715	1719.715	1719.715	1719.715
175	1669.557	1669.557	1669.557	1669.557	1669.557
180	1621.000	1621.000	1621.000	1621.000	1621.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 6CDRI-TL-L24-9DWU-L24-9DWD-XXX-DIM-UNV-OW-CSD-OW-CSU-WM_3000K.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	781.42	N.A.	19.00
0-30	1787.38	N.A.	43.40
0-40	2175.28	N.A.	52.80
0-60	2225.55	N.A.	54.10
0-80	2227.9	N.A.	54.10
0-90	2227.9	N.A.	54.10
10-90	2038.5	N.A.	49.50
20-40	1393.86	N.A.	33.90
20-50	1432.42	N.A.	34.80
40-70	52.35	N.A.	1.30
60-80	2.35	N.A.	0.10
70-80	0.28	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.23	N.A.	0.00
90-120	1.99	N.A.	0.00
90-130	11.93	N.A.	0.30
90-150	373.50	N.A.	9.10
90-180	1888.91	N.A.	45.90
110-180	1888.68	N.A.	45.90
0-180	4116.82	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	189.40
10-20	592.01
20-30	1005.96
30-40	387.90
40-50	38.56
50-60	11.72
60-70	2.08
70-80	0.28
80-90	0.00
90-100	0.00
100-110	0.23
110-120	1.76
120-130	9.93
130-140	32.69
140-150	328.88
150-160	852.90
160-170	501.93
170-180	160.58

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CDRI-TL-L24-9DWU-L24-9DWD-XXX-DIM-UNV-OW-CSD-OW-CSU-WM_3000K.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	101	98	95	92	94	91	89	87	79	77	76	67	66	65	57	56	56	51
2	95	89	84	81	88	83	79	76	73	70	68	63	61	59	54	53	52	47
3	89	81	76	71	83	76	72	68	67	64	61	59	56	54	51	49	48	44
4	83	75	68	64	78	70	65	61	62	58	55	55	52	50	48	46	45	41
5	78	69	62	57	73	65	59	55	58	54	50	51	48	46	45	43	41	39
6	73	63	57	52	69	60	54	50	54	50	46	48	45	42	43	41	39	36
7	69	59	52	48	65	56	50	46	50	46	43	45	42	39	40	38	36	34
8	65	55	48	44	61	52	46	42	47	43	39	43	39	37	38	36	34	32
9	61	51	45	40	58	49	43	39	44	40	37	40	37	34	36	34	32	30
10	58	48	41	37	55	45	40	36	42	37	34	38	34	32	34	32	30	28

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CDRI-TL-L24-9DWU-L24-9DWD-XXX-DIM-UNV-OW-CSD-OW-CSU-WM_3000K.IES

UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	3H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	4H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	6H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	8H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	12H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9

UGR Viewed Endwise

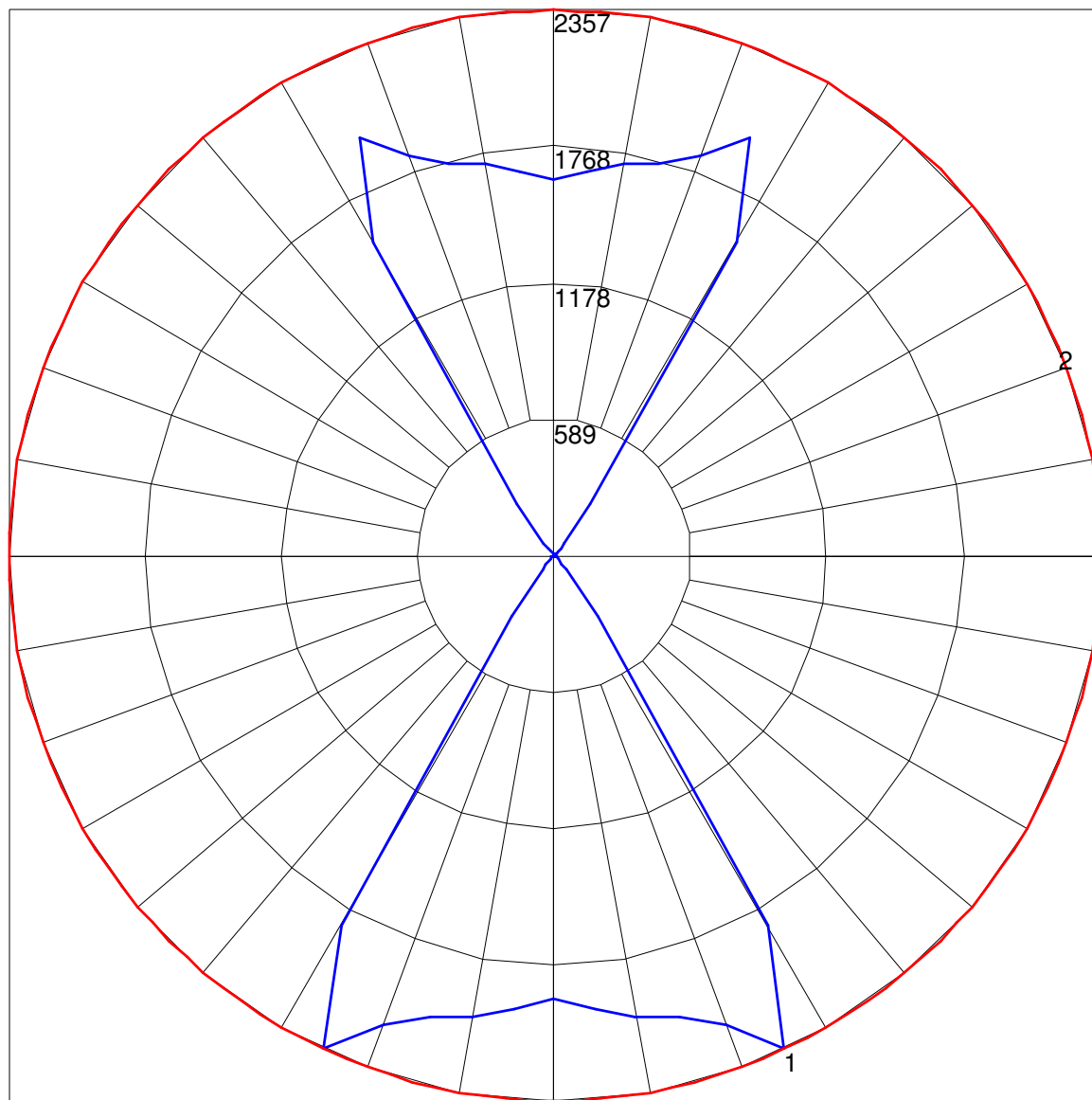
4H	2H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	3H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	4H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	6H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	8H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	12H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
8H	4H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	6H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	8H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	12H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
12H	4H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	6H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	8H	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9

Maximum UGR = 4.9

IES INDOOR REPORT

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POLAR GRAPH



Maximum Candela = 2356.884 Located At Horizontal Angle = 0, Vertical Angle = 25

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)