



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L40-835-EM-10W-DIM-UNV-O-W-OF-CS EMERGENCY MODE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 12326812.19
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 6/6/2018
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] 6DR-TL-L40-835-EM10W-DIM-UNV-O-W-OF-CS EMERGENCY MODE
 [LUMINAIRE] Black formed aluminum housing, specular reflector, no lens
 [MORE] enclosure
 [LAMP] One white LED
 [BALLAST] Philips XI036C100V054DSM5
 [OTHER] 24 C, 119.992 V, 0.304656 A, 36.4646 W, 0.997493 PF, 59.9994 H
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1100
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	0.96
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 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	2748	2748	2748
55	1336	1336	1336
65	471	471	471
75	128	128	128
85	0	0	0

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CANDELA TABULATION

	<u>0</u>
0.0	1213.774
0.5	1211.295
1.0	1205.785
1.5	1193.664
2.0	1177.686
2.5	1153.719
3.0	1125.344
3.5	1097.796
4.0	1071.350
4.5	1048.209
5.0	1022.039
5.5	997.796
6.0	980.441
6.5	969.146
7.0	962.810
7.5	959.780
8.0	959.504
8.5	960.882
9.0	963.085
9.5	966.116
10.0	969.421
10.5	971.625
11.0	972.727
11.5	972.727
12.0	971.350
12.5	968.871
13.0	965.014
13.5	960.606
14.0	955.647
14.5	950.413
15.0	945.179
15.5	940.771
16.0	937.190
16.5	934.160
17.0	931.680
17.5	930.303
18.0	930.303
18.5	930.854
19.0	932.231
19.5	933.609
20.0	934.711
20.5	936.088
21.0	937.190
21.5	938.567
22.0	939.945
22.5	941.598
23.0	944.353
23.5	947.383
24.0	950.964
24.5	955.096
25.0	960.055
25.5	965.014
26.0	969.421
26.5	972.176

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 6DR-TL-L40-835-EM-10W-DIM-UNV-O-W-OF-CS EMERGENCY MODE.IES****CANDELA TABULATION - (Cont.)**

27.0	973.829
27.5	973.554
28.0	970.799
28.5	966.391
29.0	957.025
29.5	940.496
30.0	916.529
30.5	885.399
31.0	848.209
31.5	803.030
32.0	748.760
32.5	687.052
33.0	620.661
33.5	552.342
34.0	484.298
34.5	417.631
35.0	355.096
35.5	297.796
36.0	247.355
36.5	203.168
37.0	165.124
37.5	135.840
38.0	114.187
38.5	97.438
39.0	83.223
39.5	71.791
40.0	63.554
40.5	57.658
41.0	53.361
41.5	50.028
42.0	47.218
42.5	44.738
43.0	42.534
43.5	40.523
44.0	38.705
44.5	37.025
45.0	35.482
45.5	34.022
46.0	32.645
46.5	31.350
47.0	30.110
47.5	28.926
48.0	27.796
48.5	26.667
49.0	25.620
49.5	24.573
50.0	23.499
50.5	22.479
51.0	21.460
51.5	20.441
52.0	19.449
52.5	18.457
53.0	17.521
53.5	16.584
54.0	15.675
54.5	14.821

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55.0	13.994
55.5	13.168
56.0	12.397
56.5	11.653
57.0	10.964
57.5	10.303
58.0	9.669
58.5	9.063
59.0	8.485
59.5	7.934
60.0	7.410
60.5	6.942
61.0	6.474
61.5	6.033
62.0	5.620
62.5	5.234
63.0	4.876
63.5	4.545
64.0	4.215
64.5	3.912
65.0	3.636
65.5	3.361
66.0	3.113
66.5	2.893
67.0	2.672
67.5	2.479
68.0	2.287
68.5	2.121
69.0	1.928
69.5	1.791
70.0	1.653
70.5	1.515
71.0	1.377
71.5	1.267
72.0	1.157
72.5	1.047
73.0	0.937
73.5	0.854
74.0	0.771
74.5	0.689
75.0	0.606
75.5	0.551
76.0	0.468
76.5	0.413
77.0	0.358
77.5	0.303
78.0	0.275
78.5	0.220
79.0	0.193
79.5	0.138
80.0	0.110
80.5	0.083
81.0	0.055
81.5	0.028
82.0	0.028
82.5	0.000

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83.0	0.000
83.5	0.000
84.0	0.000
84.5	0.000
85.0	0.000
85.5	0.000
86.0	0.000
86.5	0.000
87.0	0.000
87.5	0.000
88.0	0.000
88.5	0.000
89.0	0.000
89.5	0.000
90.0	0.000
90.5	0.000
91.0	0.000
91.5	0.000
92.0	0.000
92.5	0.000
93.0	0.000
93.5	0.000
94.0	0.000
94.5	0.000
95.0	0.000
95.5	0.000
96.0	0.000
96.5	0.000
97.0	0.000
97.5	0.000
98.0	0.000
98.5	0.000
99.0	0.000
99.5	0.000
100.0	0.000
100.5	0.000
101.0	0.000
101.5	0.000
102.0	0.000
102.5	0.000
103.0	0.000
103.5	0.000
104.0	0.000
104.5	0.000
105.0	0.000
105.5	0.000
106.0	0.000
106.5	0.000
107.0	0.000
107.5	0.000
108.0	0.000
108.5	0.000
109.0	0.000
109.5	0.000
110.0	0.000
110.5	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 6DR-TL-L40-835-EM-10W-DIM-UNV-O-W-OF-CS EMERGENCY MODE.IES****CANDELA TABULATION - (Cont.)**

111.0	0.000
111.5	0.000
112.0	0.000
112.5	0.000
113.0	0.000
113.5	0.000
114.0	0.000
114.5	0.000
115.0	0.000
115.5	0.000
116.0	0.000
116.5	0.000
117.0	0.000
117.5	0.000
118.0	0.000
118.5	0.000
119.0	0.000
119.5	0.000
120.0	0.000
120.5	0.000
121.0	0.000
121.5	0.000
122.0	0.000
122.5	0.000
123.0	0.000
123.5	0.000
124.0	0.000
124.5	0.000
125.0	0.000
125.5	0.000
126.0	0.000
126.5	0.000
127.0	0.000
127.5	0.000
128.0	0.000
128.5	0.000
129.0	0.000
129.5	0.000
130.0	0.000
130.5	0.000
131.0	0.000
131.5	0.000
132.0	0.000
132.5	0.000
133.0	0.000
133.5	0.000
134.0	0.000
134.5	0.000
135.0	0.000
135.5	0.000
136.0	0.000
136.5	0.000
137.0	0.000
137.5	0.000
138.0	0.000
138.5	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 6DR-TL-L40-835-EM-10W-DIM-UNV-O-W-OF-CS EMERGENCY MODE.IES****CANDELA TABULATION - (Cont.)**

139.0	0.000
139.5	0.000
140.0	0.000
140.5	0.000
141.0	0.000
141.5	0.000
142.0	0.000
142.5	0.000
143.0	0.000
143.5	0.000
144.0	0.000
144.5	0.000
145.0	0.000
145.5	0.000
146.0	0.000
146.5	0.000
147.0	0.000
147.5	0.000
148.0	0.000
148.5	0.000
149.0	0.000
149.5	0.000
150.0	0.000
150.5	0.000
151.0	0.000
151.5	0.000
152.0	0.000
152.5	0.000
153.0	0.000
153.5	0.000
154.0	0.000
154.5	0.000
155.0	0.000
155.5	0.000
156.0	0.000
156.5	0.000
157.0	0.000
157.5	0.000
158.0	0.000
158.5	0.000
159.0	0.000
159.5	0.000
160.0	0.000
160.5	0.000
161.0	0.000
161.5	0.000
162.0	0.000
162.5	0.000
163.0	0.000
163.5	0.000
164.0	0.000
164.5	0.000
165.0	0.000
165.5	0.000
166.0	0.000
166.5	0.000

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167.0	0.000
167.5	0.000
168.0	0.000
168.5	0.000
169.0	0.000
169.5	0.000
170.0	0.000
170.5	0.000
171.0	0.000
171.5	0.000
172.0	0.000
172.5	0.000
173.0	0.000
173.5	0.000
174.0	0.000
174.5	0.000
175.0	0.000
175.5	0.000
176.0	0.000
176.5	0.000
177.0	0.000
177.5	0.000
178.0	0.000
178.5	0.000
179.0	0.000
179.5	0.000
180.0	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	364.07	N.A.	33.10
0-30	805.70	N.A.	73.20
0-40	1053.92	N.A.	95.80
0-60	1095.52	N.A.	99.60
0-80	1100.12	N.A.	100.00
0-90	1100.14	N.A.	100.00
10-90	1004.34	N.A.	91.30
20-40	689.85	N.A.	62.70
20-50	718.60	N.A.	65.30
40-70	45.47	N.A.	4.10
60-80	4.60	N.A.	0.40
70-80	0.74	N.A.	0.10
80-90	0.01	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1100.14	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.79
10-20	268.27
20-30	441.63
30-40	248.22
40-50	28.74
50-60	12.86
60-70	3.87
70-80	0.74
80-90	0.01
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

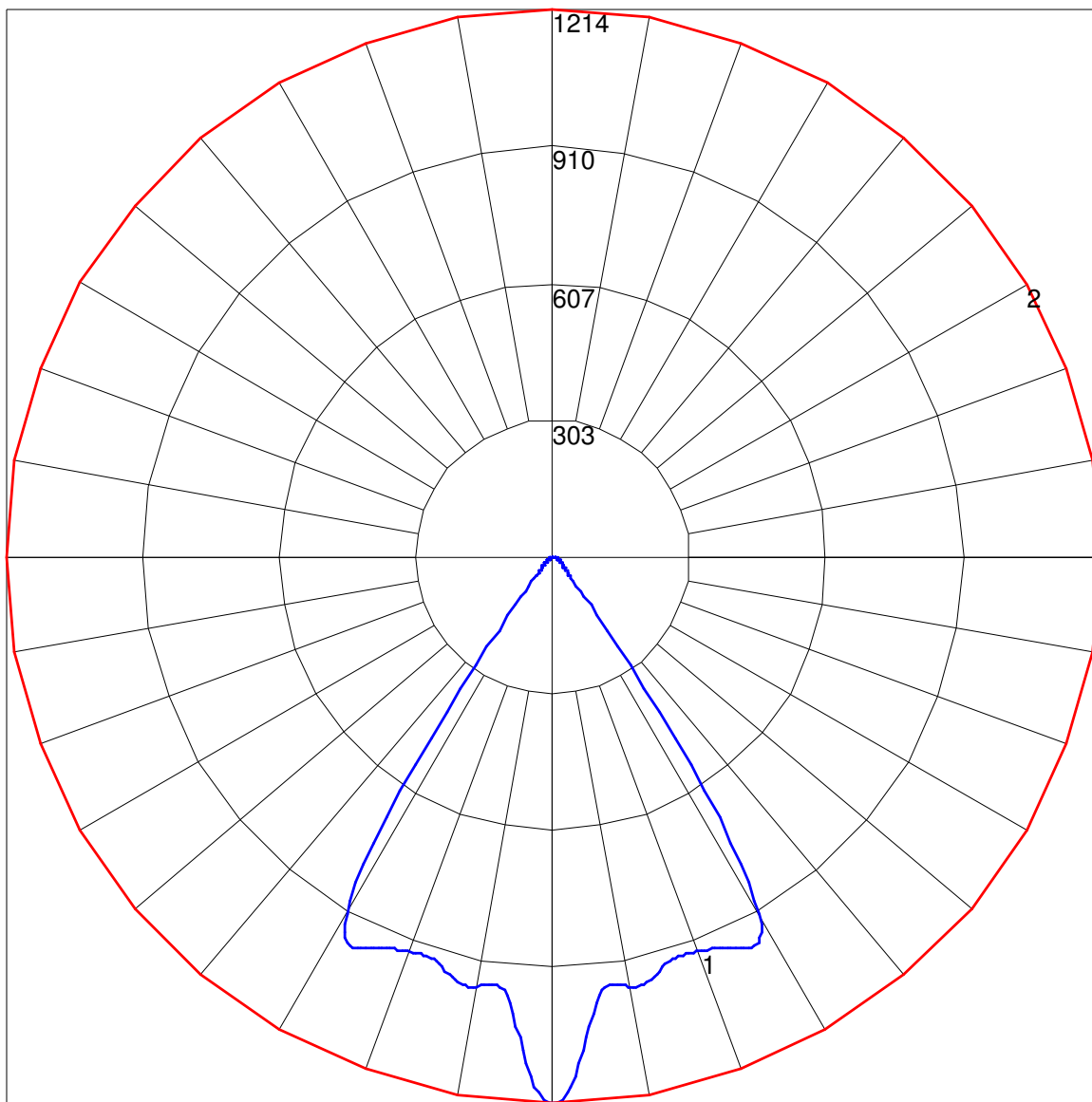
Effective Floor Cavity Reflectance 0.20

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	87	79	73	68	86	78	72	68	76	71	67	75	70	67	73	70	67	65
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61
8	79	69	63	59	78	69	63	59	68	62	59	67	62	58	66	61	58	57
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53
10	71	62	56	52	70	61	55	52	60	55	52	60	55	51	59	54	51	50

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POLAR GRAPH



Maximum Candela = 1213.774 Located At Horizontal Angle = 0, Vertical Angle = 0

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

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)