

IES INDOOR REPORT

PHOTOMETRIC FILENAME : DIG-S14-L28-835-AD-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from 12595750.01A

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 18 APR, 2023

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO 64836

[LUMINAIRE] 1x4' RECESSED LED TROFFER

[MORE] WITH FROSTED ACRYLIC LENS

[LUMCAT] DIG-S14-L28-835-AD-DIM-UNV

[LAMPCAT] HLM 80 CRI, 3500K CCT

[_SEARCH_SOURCE TYPE] LED

[_SEARCH_APPLICATION] Indoor, Architectural, Classroom, Commercial, Direct

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2810
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	21.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2690	2820	2926
55	2474	2678	2743
65	2216	2428	2296
75	1817	1930	1637
85	1100	717	400

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1058.755	1058.755	1058.755	1058.755	1058.755
0.5	1058.755	1060.924	1058.033	1057.310	1060.924
1.0	1058.755	1060.924	1058.033	1057.310	1060.201
1.5	1058.755	1060.924	1057.310	1056.587	1060.201
2.0	1058.033	1060.201	1057.310	1056.587	1059.478
2.5	1058.033	1059.478	1056.587	1055.865	1058.755
3.0	1057.310	1058.755	1055.865	1055.142	1057.310
3.5	1056.587	1058.033	1055.142	1054.419	1056.587
4.0	1055.865	1057.310	1054.419	1052.974	1055.865
4.5	1054.419	1056.587	1053.697	1052.251	1054.419
5.0	1053.697	1055.142	1052.974	1051.528	1053.697
5.5	1052.251	1054.419	1051.528	1050.083	1052.251
6.0	1051.528	1052.974	1050.083	1049.360	1051.528
6.5	1050.083	1051.528	1048.638	1047.915	1050.083
7.0	1048.638	1050.083	1047.192	1046.470	1048.638
7.5	1046.470	1047.915	1045.747	1045.024	1047.915
8.0	1045.024	1045.747	1044.301	1044.301	1046.470
8.5	1042.856	1043.579	1042.133	1042.856	1045.024
9.0	1040.688	1041.411	1040.688	1041.411	1044.301
9.5	1038.520	1039.243	1038.520	1039.965	1042.856
10.0	1036.352	1037.074	1036.352	1038.520	1041.411
10.5	1033.461	1034.906	1034.184	1036.352	1039.965
11.0	1031.293	1032.016	1032.016	1034.906	1038.520
11.5	1028.402	1029.125	1029.847	1032.738	1036.352
12.0	1026.234	1026.957	1026.957	1030.570	1034.906
12.5	1023.343	1024.066	1024.789	1028.402	1032.738
13.0	1020.452	1021.175	1021.898	1025.511	1030.570
13.5	1016.839	1018.284	1019.007	1023.343	1027.679
14.0	1013.948	1015.393	1016.116	1020.452	1024.789
14.5	1011.057	1011.780	1013.225	1017.562	1021.898
15.0	1007.444	1008.889	1010.335	1013.948	1018.284
15.5	1003.830	1005.276	1006.721	1011.057	1014.671
16.0	1000.217	1001.662	1003.830	1007.444	1011.057
16.5	996.603	998.049	1000.217	1003.830	1007.444
17.0	992.990	994.435	996.603	1000.217	1003.108
17.5	988.654	990.822	992.990	996.603	999.494
18.0	985.040	986.485	989.376	992.990	995.158
18.5	980.704	982.872	985.763	988.654	991.544
19.0	976.368	978.536	982.149	985.040	987.931
19.5	972.031	974.200	977.813	981.427	984.317
20.0	966.973	969.863	973.477	977.090	980.704
20.5	962.636	965.527	969.141	973.477	976.368
21.0	957.577	960.468	964.804	969.141	972.754
21.5	953.241	955.409	960.468	965.527	969.141
22.0	948.182	951.073	955.409	961.191	964.804
22.5	943.123	946.014	951.073	956.855	960.468
23.0	938.065	940.233	946.014	952.519	956.132
23.5	932.283	935.174	940.955	947.460	951.796
24.0	927.224	929.392	935.896	943.123	946.737
24.5	921.442	924.333	930.838	938.065	941.678
25.0	915.661	918.552	925.779	933.006	936.619
25.5	909.879	912.770	919.997	927.947	931.560
26.0	904.098	907.711	914.938	922.165	926.501
26.5	898.316	901.930	909.879	917.106	921.442

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DIG-S14-L28-835-AD-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	891.812	895.425	904.098	911.325	915.661
27.5	886.030	889.644	898.316	906.266	910.602
28.0	880.249	883.862	892.534	900.484	904.820
28.5	873.744	877.358	886.753	895.425	899.761
29.0	867.240	871.576	880.971	890.366	894.703
29.5	861.458	865.072	875.190	884.585	889.644
30.0	854.954	858.568	869.408	879.526	883.862
30.5	848.450	852.786	862.904	873.744	878.803
31.0	841.945	845.559	857.122	867.963	873.744
31.5	834.718	839.055	850.618	862.904	867.963
32.0	828.214	832.550	844.836	857.122	862.181
32.5	821.710	826.046	838.332	851.341	857.122
33.0	814.483	818.819	831.828	845.559	851.341
33.5	807.979	812.315	826.046	839.055	845.559
34.0	800.752	805.810	819.542	833.273	839.055
34.5	793.525	798.583	813.037	826.769	833.273
35.0	786.298	792.079	806.533	820.987	826.769
35.5	779.071	784.852	800.029	814.483	820.264
36.0	771.844	777.625	793.525	807.979	813.760
36.5	764.617	771.121	786.298	801.474	807.256
37.0	756.667	763.894	779.793	794.970	800.752
37.5	749.440	756.667	773.289	788.466	794.247
38.0	742.213	749.440	766.785	781.961	787.743
38.5	734.263	742.213	759.558	775.457	781.239
39.0	727.036	734.986	752.331	768.953	774.012
39.5	719.809	727.759	745.826	761.726	767.507
40.0	712.365	720.460	738.599	755.221	760.280
40.5	704.994	713.160	731.372	747.994	753.776
41.0	697.478	705.717	724.868	740.767	746.549
41.5	689.817	698.273	717.497	734.263	740.045
42.0	682.229	690.901	710.270	727.036	732.818
42.5	674.496	683.457	702.970	720.098	725.591
43.0	666.835	675.869	695.671	713.016	718.797
43.5	659.030	668.353	688.299	706.006	711.859
44.0	651.080	660.692	680.856	699.068	704.849
44.5	643.203	653.104	673.556	692.058	697.911
45.0	635.253	645.299	666.113	684.975	690.973
45.5	627.159	637.421	658.669	677.965	683.674
46.0	619.137	629.544	651.225	670.810	676.447
46.5	611.043	621.739	643.709	663.655	669.220
47.0	603.093	613.861	636.193	656.428	661.921
47.5	595.071	605.984	628.677	649.274	654.549
48.0	587.121	598.107	621.161	641.902	646.961
48.5	579.100	590.229	613.572	634.458	639.300
49.0	571.078	582.279	606.128	626.870	631.423
49.5	563.056	574.402	598.540	619.209	623.473
50.0	555.106	566.380	590.880	611.404	615.162
50.5	547.156	558.430	583.219	603.599	606.634
51.0	539.062	550.553	575.486	595.649	598.107
51.5	531.112	542.748	567.898	587.483	589.579
52.0	523.163	534.798	560.092	579.172	580.979
52.5	514.996	526.921	552.287	570.499	572.162
53.0	506.757	518.971	544.482	561.755	563.345
53.5	498.518	510.877	536.749	553.082	554.311
54.0	490.352	502.927	528.944	544.338	545.060
54.5	482.185	494.833	521.067	535.738	535.304

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CANDELA TABULATION - (Cont.)

55.0	474.019	486.883	513.117	526.848	525.547
55.5	465.708	478.933	505.167	517.959	515.863
56.0	457.325	470.839	497.218	508.781	506.179
56.5	449.158	462.889	489.268	499.313	496.423
57.0	441.064	454.867	481.246	489.774	486.305
57.5	432.897	446.773	473.152	480.090	475.826
58.0	424.731	438.751	465.057	470.622	465.419
58.5	416.564	430.801	456.819	461.083	455.229
59.0	408.470	422.779	448.363	451.326	444.966
59.5	400.448	414.830	439.835	441.208	434.704
60.0	392.498	406.952	431.163	431.091	424.442
60.5	384.476	399.075	422.490	420.900	414.179
61.0	376.599	391.270	413.818	410.783	404.134
61.5	368.722	383.392	405.218	400.737	394.088
62.0	360.700	375.587	396.401	390.764	384.043
62.5	352.822	367.782	387.584	380.863	374.070
63.0	344.800	360.049	378.695	370.962	364.096
63.5	336.850	352.244	369.733	361.133	354.195
64.0	328.828	344.583	360.627	351.449	344.294
64.5	320.879	336.923	351.666	341.837	334.249
65.0	312.785	329.262	342.704	332.008	324.131
65.5	304.618	321.457	333.671	322.469	314.374
66.0	296.524	313.724	324.637	312.929	304.474
66.5	288.502	305.991	315.531	303.245	294.717
67.0	280.480	298.186	306.425	293.850	285.105
67.5	272.530	290.525	297.463	284.382	275.493
68.0	264.364	282.865	288.430	274.843	265.809
68.5	256.486	275.204	279.540	265.448	256.342
69.0	248.681	267.471	270.579	255.908	246.874
69.5	240.731	259.738	261.617	246.585	237.479
70.0	232.998	252.150	252.800	237.190	228.301
70.5	225.266	244.489	244.128	228.084	219.339
71.0	217.677	236.684	235.383	218.978	210.306
71.5	209.944	228.951	226.639	209.800	201.489
72.0	202.428	221.146	217.966	200.983	192.600
72.5	194.768	213.413	209.294	192.094	183.855
73.0	187.252	205.608	200.766	183.277	175.110
73.5	179.663	197.948	192.238	174.532	166.438
74.0	172.219	190.287	183.710	165.932	158.127
74.5	164.631	182.554	175.255	157.549	149.888
75.0	157.115	174.821	166.871	149.382	141.505
75.5	149.599	167.088	158.777	141.071	133.194
76.0	142.661	159.572	150.611	132.688	124.883
76.5	135.145	151.984	142.372	124.377	116.644
77.0	127.846	144.323	133.989	116.138	108.911
77.5	120.835	136.735	125.822	108.333	100.889
78.0	113.898	129.146	117.728	100.383	93.084
78.5	106.887	121.630	109.923	92.433	85.423
79.0	100.094	114.403	102.190	84.628	77.907
79.5	93.445	107.176	94.240	76.968	70.463
80.0	86.941	100.238	86.435	69.379	63.164
80.5	80.581	93.156	78.774	61.935	55.937
81.0	74.510	86.146	71.186	54.636	48.782
81.5	68.512	79.352	63.670	47.554	42.061
82.0	62.803	72.559	56.371	40.760	35.918
82.5	57.166	65.983	49.360	34.617	30.570

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CANDELA TABULATION - (Cont.)

83.0	51.745	59.406	42.495	29.269	26.306
83.5	46.470	52.974	35.918	25.150	22.404
84.0	41.483	46.614	29.920	21.320	18.646
84.5	36.641	40.399	24.933	17.634	15.104
85.0	32.016	34.401	20.886	14.093	11.635
85.5	27.607	28.619	17.128	10.840	8.745
86.0	23.415	23.343	13.442	8.167	7.155
86.5	19.441	18.935	10.046	6.577	6.143
87.0	15.827	15.177	7.227	5.565	5.131
87.5	12.430	11.635	5.203	4.553	4.192
88.0	9.323	8.383	4.119	3.686	3.397
88.5	6.577	5.709	3.324	3.108	2.819
89.0	4.625	3.903	2.746	2.529	2.385
89.5	3.252	2.602	2.168	2.096	1.951
90.0	2.024	1.951	1.662	1.590	1.518
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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PHOTOMETRIC FILENAME : DIG-S14-L28-835-AD-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DIG-S14-L28-835-AD-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DIG-S14-L28-835-AD-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DIG-S14-L28-835-AD-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	385.20	N.A.	13.70
0-30	811.53	N.A.	28.90
0-40	1315.76	N.A.	46.80
0-60	2280.72	N.A.	81.20
0-80	2777.58	N.A.	98.90
0-90	2809.69	N.A.	100.00
10-90	2709.65	N.A.	96.40
20-40	930.56	N.A.	33.10
20-50	1443.32	N.A.	51.40
40-70	1292.15	N.A.	46.00
60-80	496.86	N.A.	17.70
70-80	169.68	N.A.	6.00
80-90	32.11	N.A.	1.10
90-110	0.05	N.A.	0.00
90-120	0.05	N.A.	0.00
90-130	0.05	N.A.	0.00
90-150	0.05	N.A.	0.00
90-180	0.05	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2809.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.04
10-20	285.16
20-30	426.33
30-40	504.23
40-50	512.76
50-60	452.21
60-70	327.18
70-80	169.68
80-90	32.11
90-100	0.05
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DIG-S14-L28-835-AD-DIM-UNV_.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	87	87	87	87	85	85	85	85	82	82	82	78	78	78	75	75	75	73
1	80	77	74	71	78	75	72	70	72	70	68	69	67	66	67	65	64	62
2	73	67	62	58	71	66	61	58	63	60	56	61	58	55	59	56	54	52
3	67	59	53	49	65	58	53	48	56	51	47	54	50	47	52	49	46	44
4	61	53	46	41	60	52	46	41	50	45	41	48	44	40	46	43	39	38
5	56	47	41	36	55	46	40	36	45	39	35	43	38	35	42	38	34	33
6	52	42	36	31	51	42	36	31	40	35	31	39	34	31	38	34	30	29
7	48	38	32	28	47	38	32	28	37	31	27	36	31	27	35	30	27	25
8	45	35	29	25	44	35	29	25	34	28	24	33	28	24	32	27	24	23
9	42	32	26	22	41	32	26	22	31	26	22	30	25	22	29	25	22	20
10	39	30	24	20	38	29	24	20	29	24	20	28	23	20	27	23	20	19

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DIG-S14-L28-835-AD-DIM-UNV_.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	16.3	17.9	16.7	18.2	18.5	UGR Viewed Endwise			
	3H	18.0	19.5	18.4	19.8	20.2	16.8	18.4	17.2	18.7
	4H	18.6	20.0	19.0	20.3	20.7	18.3	19.7	18.7	20.1
	6H	19.0	20.3	19.4	20.6	21.0	18.7	20.1	19.1	20.4
	8H	19.1	20.3	19.5	20.7	21.1	18.9	20.2	19.3	20.6
	12H	19.2	20.3	19.6	20.7	21.1	19.0	20.2	19.4	20.6

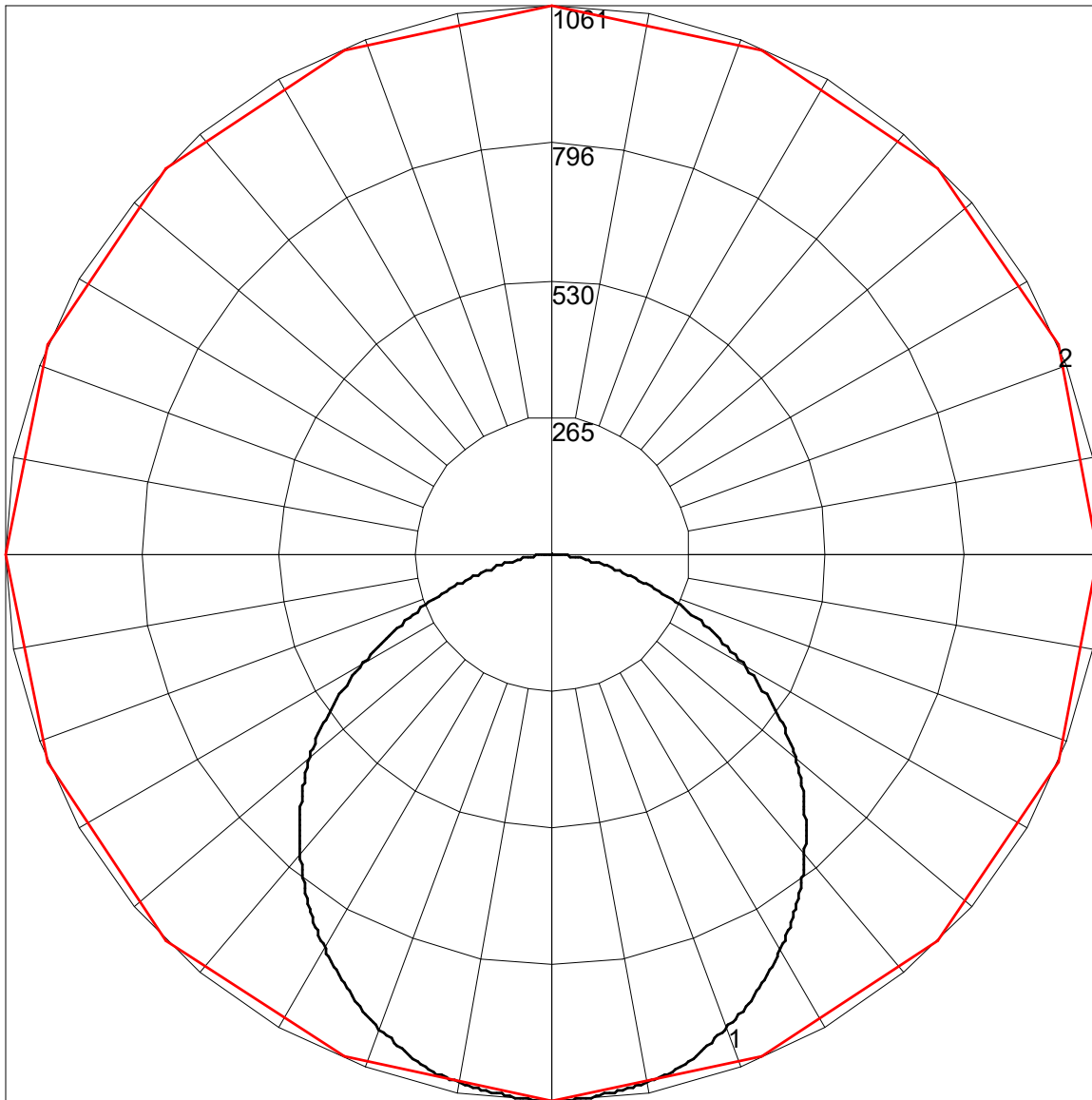
4H	2H	17.0	18.4	17.4	18.7	19.1	17.4	18.8	17.8	19.1	19.5
	3H	18.9	20.1	19.3	20.5	20.9	19.1	20.2	19.5	20.6	21.0
	4H	19.7	20.7	20.1	21.1	21.5	19.6	20.7	20.0	21.1	21.5
	6H	20.2	21.1	20.6	21.5	22.0	19.9	20.8	20.4	21.3	21.7
	8H	20.3	21.2	20.8	21.6	22.1	20.0	20.8	20.4	21.2	21.7
	12H	20.4	21.2	20.9	21.6	22.1	20.0	20.7	20.4	21.2	21.7

8H	4H	19.9	20.8	20.4	21.2	21.7	19.9	20.7	20.4	21.2	21.6
	6H	20.5	21.3	21.0	21.7	22.2	20.3	21.0	20.7	21.4	21.9
	8H	20.8	21.4	21.3	21.9	22.4	20.3	20.9	20.8	21.4	21.9
	12H	20.9	21.4	21.4	21.9	22.5	20.3	20.9	20.8	21.4	21.9

12H	4H	19.9	20.7	20.4	21.2	21.6	19.9	20.7	20.4	21.1	21.6
	6H	20.6	21.2	21.1	21.7	22.2	20.3	20.9	20.8	21.4	21.9
	8H	20.8	21.4	21.3	21.9	22.4	20.4	20.9	20.9	21.4	22.0

Maximum UGR = 22.5

POLAR GRAPH



Maximum Candela = 1060.924 Located At Horizontal Angle = 22.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)