



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EGL2-4-L400-840-HIAFR-ND-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]GEN FROM 14469285.04
[TESTLAB] UL Solutions
[ISSUE DATE] 11-30-2023
[TEST DATE] 10/25/2022
[MANUFAC] H E Williams Inc
[LUMCAT] EGL2-4-L400840-HIAFR-ND-DIM-UNV
[LUMINAIRE] 4-foot enclosed and gasketed industrial luminaire with nar
[MORE] row distribution
[LAMP] 336 White LEDs
[BALLAST] Everline D21CC80UNVPW-C
[OTHER] 24.6 C, 120.012 V, 1.40192 A, 168.039 W, 0.998765 PF, 59.9883
[MORE] Hz
[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	36865
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	272
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.13 ft
Luminous Width (90-270)	1.04 ft
Luminous Height	0.19 ft



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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	36866	25039	15050
55	31533	15371	8158
65	25275	9485	5126
75	18768	5861	3399
85	10742	3004	2125

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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	17203.1501	7203.1501	7203.1501	7203.1501	7203.1501
0.5	17347.8501	7299.6161	7154.9171	7154.9171	7138.839
1.0	17347.8501	7299.6161	7154.9171	7170.9951	7154.917
1.5	17347.8501	7299.6161	7154.9171	7187.0721	7170.995
2.0	17347.8501	7299.6161	7170.9951	7203.1501	7187.072
2.5	17331.7721	7299.6161	7187.0721	7235.3061	7219.228
3.0	17331.7721	7299.6161	7203.1501	7251.3831	7267.461
3.5	17315.6941	7299.6161	7219.2281	7283.5391	7299.616
4.0	17315.6941	7299.6161	7235.3061	7331.7721	7347.850
4.5	17299.6161	7299.6161	7251.3831	7363.9271	7396.083
5.0	17283.5391	7283.5391	7283.5391	7412.1601	7460.393
5.5	17267.4611	7283.5391	7299.6161	7460.3931	7508.627
6.0	17251.3831	7283.5391	7331.7721	7508.6271	7572.937
6.5	17235.3061	7283.5391	7363.9271	7572.9371	7621.171
7.0	17219.2281	7283.5391	7380.0051	7621.1711	7669.404
7.5	17203.1501	7283.5391	7412.1601	7669.4041	7733.715
8.0	17187.0721	7267.4611	7444.3161	7701.5591	7765.870
8.5	17154.9171	7267.4611	7460.3931	7749.7921	7814.103
9.0	17138.8391	7267.4611	7492.5491	7781.9481	7862.336
9.5	17106.6841	7251.3831	7508.6271	7814.1031	7894.492
10.0	17090.6061	7251.3831	7524.7041	7846.2591	7910.569
10.5	17058.4511	7235.3061	7540.7821	7862.3361	7942.725
11.0	17026.2951	7235.3061	7556.8601	7878.4141	7958.803
11.5	16994.1401	7219.2281	7572.9371	7878.4141	7958.803
12.0	16961.9841	7219.2281	7572.9371	7894.4921	7958.803
12.5	16929.8291	7203.1501	7589.0151	7894.4921	7942.725
13.0	16897.6741	7187.0721	7589.0151	7878.4141	7926.647
13.5	16865.5181	7170.9951	7589.0151	7862.3361	7894.492
14.0	16817.2851	7154.9171	7572.9371	7830.1811	7862.336
14.5	16785.1301	7138.8391	7556.8601	7798.0251	7830.181
15.0	16736.8971	7106.6841	7540.7821	7765.8701	7781.948
15.5	16688.6631	7090.6061	7524.7041	7717.6371	7717.637
16.0	16656.5081	7058.4511	7492.5491	7669.4041	7653.326
16.5	16592.1971	7026.2951	7460.3931	7605.0931	7572.937
17.0	16560.0421	7010.2181	7428.2381	7540.7821	7492.549
17.5	16495.7311	6978.0621	7380.0051	7460.3931	7396.083
18.0	16447.4981	6945.9071	7331.7721	7380.0051	7299.616
18.5	16399.2651	6897.6741	7283.5391	7283.5391	7203.150
19.0	16351.0311	6865.5181	7219.2281	7187.0721	7090.606
19.5	16286.7211	6817.2851	7154.9171	7090.6061	6961.984
20.0	16222.4101	6769.0521	7090.6061	6978.0621	6833.363
20.5	16174.1771	6720.8191	7010.2181	6849.4401	6704.741
21.0	16109.8661	6672.5861	6929.8291	6736.8971	6560.042
21.5	16040.7321	6624.3531	6849.4401	6608.2751	6415.342
22.0	15974.8131	6560.0421	6752.9741	6463.5751	6270.643
22.5	15908.8941	6511.8091	6656.5081	6318.8761	6109.866
23.0	15839.7601	6447.4981	6560.0421	6174.1771	5931.403
23.5	15769.0181	6383.1871	6447.4981	6023.0461	5751.333
24.0	15695.0611	6302.7981	6334.9541	5862.2691	5593.771
24.5	15621.1031	6238.4871	6222.4101	5693.4531	5423.348
25.0	15543.9301	6158.0991	6093.7881	5519.8141	5177.359
25.5	15463.5421	6077.7101	5974.8131	5336.5281	4966.741
26.0	15384.7611	6002.1451	5842.9761	5148.4191	4754.515
26.5	15304.3731	5918.5411	5706.3151	4950.6631	4542.289

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CANDELA TABULATION - (Cont.)

27.0	15219.16115831.72115566.43914749.69214318.809
27.5	15132.34115743.29415420.13214542.28914090.505
28.0	15045.52115650.04315270.60914330.06313858.986
28.5	14958.70215553.57715109.83214117.83713617.821
29.0	14863.84315452.28714934.58513895.96513373.440
29.5	14772.20015349.39014783.45513669.26913122.627
30.0	14674.12615243.27714622.67813444.18112871.815
30.5	14577.66015132.34114452.25413214.27012609.748
31.0	14479.58615018.18914275.39912976.32012342.858
31.5	14378.29614900.82214093.72112728.72312075.968
32.0	14275.39914780.23913908.82712477.91111801.039
32.5	14169.28614656.44113717.50312223.88311522.895
33.0	14064.78114531.03513526.17811963.42411249.574
33.5	13957.06014397.59013333.24511699.75010968.214
34.0	13846.12414265.75213135.48911439.29110680.423
34.5	13733.58014129.09212929.69511193.30210392.632
35.0	13621.03613989.21612723.90010915.15810101.625
35.5	13506.88413849.34012516.49810627.3679810.619
36.0	13386.30213706.24812307.48710360.4779518.005
36.5	13265.71913558.33312092.04610093.5879225.390
37.0	13140.31313407.20311871.7819825.089 8931.168
37.5	13018.12213254.46411649.9099556.591 8644.985
38.0	12891.10813103.33411424.8219283.270 8362.017
38.5	12762.48712945.77211198.1259011.557 8083.873
39.0	12627.43412784.99510969.8228723.766 7812.159
39.5	12490.77312625.82610738.3038439.190 7546.877
40.0	12354.11312461.83310506.7848191.593 7289.634
40.5	12212.62912294.62510272.0497932.742 7037.214
41.0	12069.53712124.20110040.5307672.283 6788.009
41.5	11928.05311953.7789805.796 7415.040 6546.844
42.0	11784.96211778.5319574.277 7167.443 6312.109
42.5	11638.65511601.6769339.542 6926.278 6080.590
43.0	11492.34711421.6059104.807 6689.935 5853.894
43.5	11346.04011239.9278871.681 6461.632 5635.237
44.0	11194.91011056.6418640.162 6236.544 5423.012
44.5	11045.38710873.3568418.289 6016.279 5218.825
45.0	10894.25710686.8548207.671 5800.838 5021.069
45.5	10743.12610498.7457956.859 5590.220 4829.744
46.0	10590.38810309.0287730.163 5386.033 4644.851
46.5	10434.43410122.5267508.291 5188.277 4466.388
47.0	10280.0889932.809 7291.242 4995.345 4297.572
47.5	10124.1349744.700 7077.408 4810.451 4133.579
48.0	9968.180 9554.983 6866.790 4633.596 3974.410
48.5	9807.403 9366.874 6656.172 4463.172 3821.672
49.0	9648.234 9177.157 6451.985 4299.180 3670.541
49.5	9487.457 8989.048 6251.014 4143.226 3516.195
50.0	9325.072 8800.939 6053.258 3992.095 3392.397
50.5	9162.687 8612.829 5858.718 3847.396 3273.422
51.0	9000.302 8424.720 5670.608 3705.912 3149.623
51.5	8836.310 8238.219 5485.715 3570.859 3032.256
52.0	8672.317 8053.325 5304.037 3440.630 2921.320
52.5	8508.324 7868.431 5128.790 3315.224 2815.207
53.0	8345.939 7683.538 4959.974 3193.033 2715.525
53.5	8183.555 7503.467 4794.373 3075.666 2619.059
54.0	8022.777 7321.789 4633.596 2963.122 2527.416
54.5	7860.393 7141.719 4479.250 2857.009 2438.989

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CANDELA TABULATION - (Cont.)

55.0	7699.616	6974.511	4328.120	2757.327	2352.169
55.5	7538.838	6807.303	4183.420	2659.253	2270.173
56.0	7378.061	6609.547	4041.936	2567.610	2191.392
56.5	7220.500	6435.907	3905.276	2479.183	2115.827
57.0	7061.330	6273.523	3773.439	2393.971	2041.869
57.5	6903.769	6114.353	3644.817	2311.975	1971.127
58.0	6747.815	5923.029	3521.019	2233.194	1903.601
58.5	6593.469	5757.428	3400.436	2157.629	1840.898
59.0	6439.123	5593.435	3284.676	2083.671	1779.803
59.5	6286.385	5432.658	3172.132	2008.106	1723.531
60.0	6133.647	5275.097	3062.804	1940.580	1667.259
60.5	5984.124	5119.143	2958.299	1877.877	1612.594
61.0	5834.601	4968.013	2857.009	1815.174	1559.538
61.5	5686.686	4818.490	2758.935	1755.686	1508.089
62.0	5538.771	4672.183	2664.077	1696.198	1459.856
62.5	5394.072	4529.091	2570.826	1641.534	1411.623
63.0	5249.372	4385.999	2480.791	1586.870	1364.998
63.5	5104.673	4247.731	2393.971	1537.029	1321.588
64.0	4961.581	4109.463	2310.367	1487.188	1279.786
64.5	4821.705	3976.018	2229.978	1438.955	1239.591
65.0	4686.653	3844.181	2151.198	1390.722	1201.005
65.5	4569.285	3715.559	2074.025	1345.704	1162.418
66.0	4435.840	3590.153	2000.067	1300.687	1127.047
66.5	4278.279	3464.747	1929.325	1257.277	1091.677
67.0	4144.834	3344.164	1860.191	1213.867	1056.306
67.5	4014.604	3225.189	1800.704	1172.065	1022.542
68.0	3887.590	3107.821	1736.393	1131.871	988.779
68.5	3762.184	2993.670	1664.043	1093.284	955.016
69.0	3636.778	2881.126	1602.948	1056.306	922.861
69.5	3514.587	2771.797	1541.852	1019.327	889.097
70.0	3392.397	2665.684	1483.973	983.956	858.550
70.5	3273.422	2559.571	1426.093	948.585	828.002
71.0	3156.055	2458.282	1369.821	914.822	799.062
71.5	3035.472	2356.992	1315.157	881.059	770.122
72.0	2895.596	2258.918	1260.492	848.903	742.790
72.5	2800.737	2162.452	1209.044	816.748	715.458
73.0	2701.055	2069.201	1159.203	784.592	689.734
73.5	2591.727	1975.951	1109.362	752.437	664.009
74.0	2482.398	1887.523	1061.129	723.497	638.285
74.5	2376.286	1800.704	1012.896	692.949	612.561
75.0	2271.780	1715.492	967.878	664.009	588.444
75.5	2168.883	1631.888	922.861	636.677	564.328
76.0	2065.986	1548.284	877.843	609.345	540.211
76.5	1966.304	1467.895	836.041	583.621	517.702
77.0	1866.622	1390.722	794.239	557.897	493.586
77.5	1770.156	1313.549	752.437	532.172	472.685
78.0	1672.082	1237.984	713.850	509.663	451.784
78.5	1580.439	1164.026	675.264	483.939	430.883
79.0	1487.188	1093.284	638.285	459.823	411.589
79.5	1398.761	1024.150	601.306	437.314	392.296
80.0	1310.333	956.624	565.935	414.805	374.611
80.5	1225.122	892.313	533.780	392.296	356.925
81.0	1141.517	829.610	501.625	373.003	339.240
81.5	1061.129	770.122	469.469	353.710	323.162
82.0	982.348	710.635	440.529	334.416	307.084
82.5	906.783	655.971	413.197	316.731	291.007

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CANDELA TABULATION - (Cont.)

83.0	832.825	602.914	385.865	300.653	276.537
83.5	762.083	553.073	361.748	286.183	263.674
84.0	694.557	506.448	337.632	271.713	250.812
84.5	630.246	461.430	316.731	257.243	237.950
85.0	569.151	419.628	295.830	244.381	226.696
85.5	512.879	382.650	276.537	231.519	217.049
86.0	459.823	347.279	258.851	220.265	205.795
86.5	411.589	316.731	242.773	209.010	196.148
87.0	368.180	287.791	228.303	197.756	188.109
87.5	329.593	263.674	213.834	188.109	180.070
88.0	295.830	241.166	199.364	178.463	172.032
88.5	270.106	221.872	188.109	170.424	163.993
89.0	249.205	204.187	176.855	160.777	154.346
89.5	234.735	189.717	167.208	154.346	147.915
90.0	225.088	176.855	157.562	146.307	139.876
90.5	220.265	167.208	149.523	139.876	135.053
91.0	215.441	157.562	143.092	133.445	128.622
91.5	212.226	152.738	136.661	128.622	123.798
92.0	210.618	147.915	131.837	123.798	118.975
92.5	207.402	143.092	127.014	118.975	115.760
93.0	205.795	139.876	123.798	115.760	110.936
93.5	204.187	138.268	118.975	112.544	107.721
94.0	204.187	138.268	115.760	109.328	106.113
94.5	202.579	136.661	114.152	106.113	102.897
95.0	200.971	135.053	110.936	104.505	99.682
95.5	200.971	135.053	110.936	101.290	98.074
96.0	199.364	135.053	109.328	99.682	96.466
96.5	199.364	133.445	107.721	98.074	94.858
97.0	197.756	133.445	107.721	98.074	93.251
97.5	197.756	133.445	107.721	96.466	91.643
98.0	196.148	131.837	107.721	96.466	91.643
98.5	196.148	131.837	107.721	94.858	91.643
99.0	194.540	131.837	107.721	94.858	90.035
99.5	192.933	130.229	107.721	94.858	90.035
100.0	192.933	130.229	107.721	94.858	90.035
100.5	191.325	130.229	107.721	94.858	90.035
101.0	189.717	128.622	107.721	94.858	90.035
101.5	188.109	128.622	106.113	94.858	90.035
102.0	186.501	128.622	106.113	94.858	90.035
102.5	184.894	127.014	106.113	94.858	90.035
103.0	183.286	127.014	106.113	94.858	90.035
103.5	181.678	125.406	106.113	94.858	90.035
104.0	180.070	125.406	106.113	94.858	90.035
104.5	178.463	123.798	106.113	94.858	91.643
105.0	175.247	122.191	106.113	94.858	91.643
105.5	173.639	122.191	106.113	94.858	91.643
106.0	170.424	120.583	104.505	94.858	90.035
106.5	168.816	120.583	104.505	94.858	90.035
107.0	165.600	118.975	104.505	93.251	91.643
107.5	163.993	117.367	104.505	93.251	90.035
108.0	160.777	115.760	102.897	93.251	90.035
108.5	157.562	114.152	102.897	93.251	90.035
109.0	154.346	114.152	102.897	93.251	90.035
109.5	152.738	112.544	101.290	93.251	90.035
110.0	149.523	110.936	101.290	93.251	90.035
110.5	146.307	109.328	101.290	91.643	90.035

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CANDELA TABULATION - (Cont.)

111.0	143.092	107.721	99.682	91.643	90.035
111.5	139.876	106.113	99.682	91.643	90.035
112.0	136.661	104.505	98.074	91.643	90.035
112.5	135.053	102.897	98.074	91.643	90.035
113.0	131.837	101.290	98.074	91.643	90.035
113.5	128.622	99.682	96.466	90.035	90.035
114.0	125.406	98.074	96.466	90.035	90.035
114.5	122.191	96.466	94.858	90.035	88.427
115.0	118.975	93.251	94.858	90.035	88.427
115.5	115.760	91.643	93.251	88.427	88.427
116.0	114.152	90.035	93.251	88.427	88.427
116.5	110.936	88.427	91.643	88.427	88.427
117.0	107.721	85.212	90.035	88.427	88.427
117.5	104.505	83.604	90.035	86.820	86.820
118.0	102.897	81.996	88.427	86.820	86.820
118.5	99.682	78.781	88.427	86.820	86.820
119.0	96.466	77.173	86.820	85.212	86.820
119.5	94.858	75.565	85.212	85.212	86.820
120.0	91.643	72.350	85.212	83.604	85.212
120.5	90.035	70.742	83.604	83.604	85.212
121.0	86.820	69.134	81.996	83.604	85.212
121.5	85.212	67.526	81.996	81.996	85.212
122.0	83.604	64.311	80.389	81.996	83.604
122.5	80.389	62.703	78.781	81.996	83.604
123.0	78.781	61.095	77.173	80.389	83.604
123.5	77.173	59.488	77.173	80.389	83.604
124.0	75.565	57.880	75.565	80.389	81.996
124.5	72.350	54.664	73.957	78.781	81.996
125.0	70.742	53.056	72.350	78.781	81.996
125.5	69.134	51.449	70.742	77.173	80.389
126.0	67.526	49.841	70.742	77.173	80.389
126.5	64.311	48.233	69.134	77.173	80.389
127.0	64.311	48.233	67.526	75.565	78.781
127.5	62.703	46.625	65.919	75.565	78.781
128.0	61.095	45.018	64.311	73.957	78.781
128.5	59.488	45.018	64.311	73.957	78.781
129.0	57.880	43.410	62.703	72.350	77.173
129.5	56.272	43.410	61.095	72.350	77.173
130.0	54.664	41.802	59.488	72.350	75.565
130.5	53.056	41.802	57.880	70.742	75.565
131.0	51.449	40.194	56.272	69.134	73.957
131.5	49.841	40.194	54.664	69.134	73.957
132.0	49.841	38.587	53.056	67.526	72.350
132.5	48.233	38.587	51.449	67.526	72.350
133.0	46.625	36.979	49.841	65.919	70.742
133.5	45.018	36.979	48.233	64.311	70.742
134.0	45.018	35.371	46.625	64.311	69.134
134.5	43.410	35.371	45.018	62.703	67.526
135.0	41.802	33.763	43.410	61.095	67.526
135.5	41.802	33.763	41.802	61.095	65.919
136.0	40.194	32.155	40.194	59.488	65.919
136.5	40.194	32.155	38.587	57.880	64.311
137.0	38.587	32.155	36.979	57.880	62.703
137.5	36.979	30.548	35.371	56.272	62.703
138.0	36.979	30.548	33.763	54.664	61.095
138.5	36.979	30.548	32.155	53.056	59.488

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	35.371	28.940	30.548	51.449	59.488
139.5	35.371	28.940	28.940	51.449	57.880
140.0	33.763	28.940	28.940	49.841	56.272
140.5	33.763	27.332	27.332	48.233	54.664
141.0	32.155	27.332	25.724	46.625	53.056
141.5	32.155	27.332	24.117	45.018	53.056
142.0	32.155	27.332	24.117	45.018	51.449
142.5	30.548	25.724	22.509	43.410	49.841
143.0	30.548	25.724	20.901	41.802	48.233
143.5	28.940	25.724	20.901	40.194	46.625
144.0	28.940	25.724	20.901	40.194	46.625
144.5	28.940	24.117	20.901	38.587	45.018
145.0	28.940	24.117	19.293	36.979	43.410
145.5	27.332	24.117	19.293	35.371	41.802
146.0	27.332	24.117	19.293	33.763	41.802
146.5	27.332	22.509	20.901	33.763	40.194
147.0	25.724	22.509	20.901	32.155	38.587
147.5	25.724	22.509	20.901	30.548	36.979
148.0	24.117	22.509	20.901	28.940	35.371
148.5	24.117	22.509	20.901	27.332	33.763
149.0	24.117	22.509	20.901	27.332	32.155
149.5	24.117	22.509	20.901	25.724	32.155
150.0	24.117	22.509	22.509	25.724	30.548
150.5	24.117	22.509	22.509	24.117	28.940
151.0	24.117	22.509	22.509	22.509	27.332
151.5	24.117	24.117	22.509	22.509	27.332
152.0	24.117	24.117	22.509	22.509	25.724
152.5	24.117	24.117	22.509	22.509	24.117
153.0	24.117	24.117	22.509	22.509	24.117
153.5	24.117	24.117	22.509	22.509	22.509
154.0	24.117	24.117	22.509	22.509	22.509
154.5	24.117	24.117	22.509	22.509	22.509
155.0	24.117	24.117	24.117	22.509	22.509
155.5	24.117	24.117	24.117	24.117	22.509
156.0	24.117	24.117	24.117	22.509	24.117
156.5	24.117	24.117	24.117	22.509	24.117
157.0	24.117	24.117	24.117	24.117	24.117
157.5	24.117	24.117	24.117	24.117	24.117
158.0	25.724	24.117	24.117	24.117	24.117
158.5	25.724	24.117	24.117	24.117	24.117
159.0	25.724	25.724	24.117	24.117	24.117
159.5	25.724	25.724	24.117	24.117	24.117
160.0	25.724	25.724	25.724	24.117	24.117
160.5	25.724	25.724	25.724	24.117	24.117
161.0	25.724	25.724	25.724	24.117	25.724
161.5	25.724	25.724	25.724	25.724	25.724
162.0	25.724	25.724	25.724	25.724	25.724
162.5	25.724	25.724	25.724	25.724	25.724
163.0	25.724	25.724	25.724	25.724	25.724
163.5	25.724	25.724	25.724	25.724	25.724
164.0	25.724	25.724	25.724	25.724	25.724
164.5	25.724	25.724	25.724	24.117	25.724
165.0	25.724	25.724	25.724	24.117	25.724
165.5	25.724	25.724	24.117	24.117	25.724
166.0	24.117	24.117	24.117	24.117	25.724
166.5	25.724	24.117	24.117	24.117	25.724

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	25.724	25.724	25.724	25.724	25.724
167.5	25.724	25.724	25.724	25.724	25.724
168.0	25.724	25.724	25.724	25.724	25.724
168.5	25.724	25.724	25.724	25.724	27.332
169.0	27.332	25.724	25.724	27.332	27.332
169.5	27.332	27.332	27.332	27.332	27.332
170.0	27.332	27.332	27.332	27.332	28.940
170.5	27.332	27.332	27.332	27.332	28.940
171.0	27.332	27.332	27.332	28.940	28.940
171.5	27.332	27.332	27.332	28.940	28.940
172.0	27.332	27.332	27.332	28.940	28.940
172.5	27.332	27.332	27.332	28.940	28.940
173.0	27.332	27.332	27.332	28.940	28.940
173.5	28.940	27.332	28.940	28.940	28.940
174.0	27.332	28.940	28.940	28.940	30.548
174.5	28.940	27.332	28.940	28.940	30.548
175.0	28.940	28.940	28.940	28.940	30.548
175.5	28.940	28.940	28.940	28.940	30.548
176.0	28.940	28.940	28.940	28.940	30.548
176.5	28.940	28.940	28.940	28.940	30.548
177.0	28.940	28.940	28.940	28.940	30.548
177.5	28.940	28.940	28.940	28.940	30.548
178.0	28.940	28.940	28.940	30.548	30.548
178.5	28.940	28.940	28.940	30.548	30.548
179.0	28.940	28.940	28.940	30.548	30.548
179.5	28.940	28.940	28.940	30.548	30.548
180.0	28.940	28.940	28.940	28.940	28.940

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EGL2-4-L400-840-HIAFR-ND-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	6567.23	N.A.	17.80
0-30	13800.42	N.A.	37.40
0-40	21495.06	N.A.	58.30
0-60	32098.56	N.A.	87.10
0-80	35962.66	N.A.	97.60
0-90	36366.22	N.A.	98.60
10-90	34704.04	N.A.	94.10
20-40	14927.82	N.A.	40.50
20-50	21230.72	N.A.	57.60
40-70	13187.92	N.A.	35.80
60-80	3864.1	N.A.	10.50
70-80	1279.69	N.A.	3.50
80-90	403.55	N.A.	1.10
90-110	262.76	N.A.	0.70
90-120	357.32	N.A.	1.00
90-130	420.86	N.A.	1.10
90-150	477.67	N.A.	1.30
90-180	498.63	N.A.	1.40
110-180	235.87	N.A.	0.60
0-180	36864.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1662.18
10-20	4905.05
20-30	7233.18
30-40	7694.64
40-50	6302.9
50-60	4300.6
60-70	2584.42
70-80	1279.69
80-90	403.55
90-100	142.68
100-110	120.07
110-120	94.56
120-130	63.55
130-140	37.89
140-150	18.91
150-160	11.01
160-170	7.25
170-180	2.71

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EGL2-4-L400-840-HIAFR-ND-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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
1	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	82	79	77	75
3	94	85	78	72	91	83	77	71	80	74	70	77	72	69	75	71	67	65
4	87	76	69	63	85	75	68	62	72	66	61	70	65	60	68	63	59	57
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	51	47	45
7	70	58	50	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36	45	39	35	34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	36	32	31

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EGL2-4-L400-840-HIAFR-ND-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	23.2	24.6	23.6	24.9	25.3	16.5	17.8	16.8	18.2	18.6
	3H	24.5	25.7	24.9	26.1	26.5	17.5	18.7	17.9	19.1	19.5
	4H	24.9	26.0	25.3	26.4	26.9	17.8	19.0	18.2	19.4	19.8
	6H	25.1	26.2	25.6	26.6	27.1	18.1	19.2	18.5	19.6	20.0
	8H	25.2	26.2	25.6	26.6	27.1	18.2	19.2	18.6	19.6	20.1
	12H	25.2	26.2	25.7	26.6	27.1	18.3	19.2	18.7	19.7	20.1

UGR Viewed Endwise

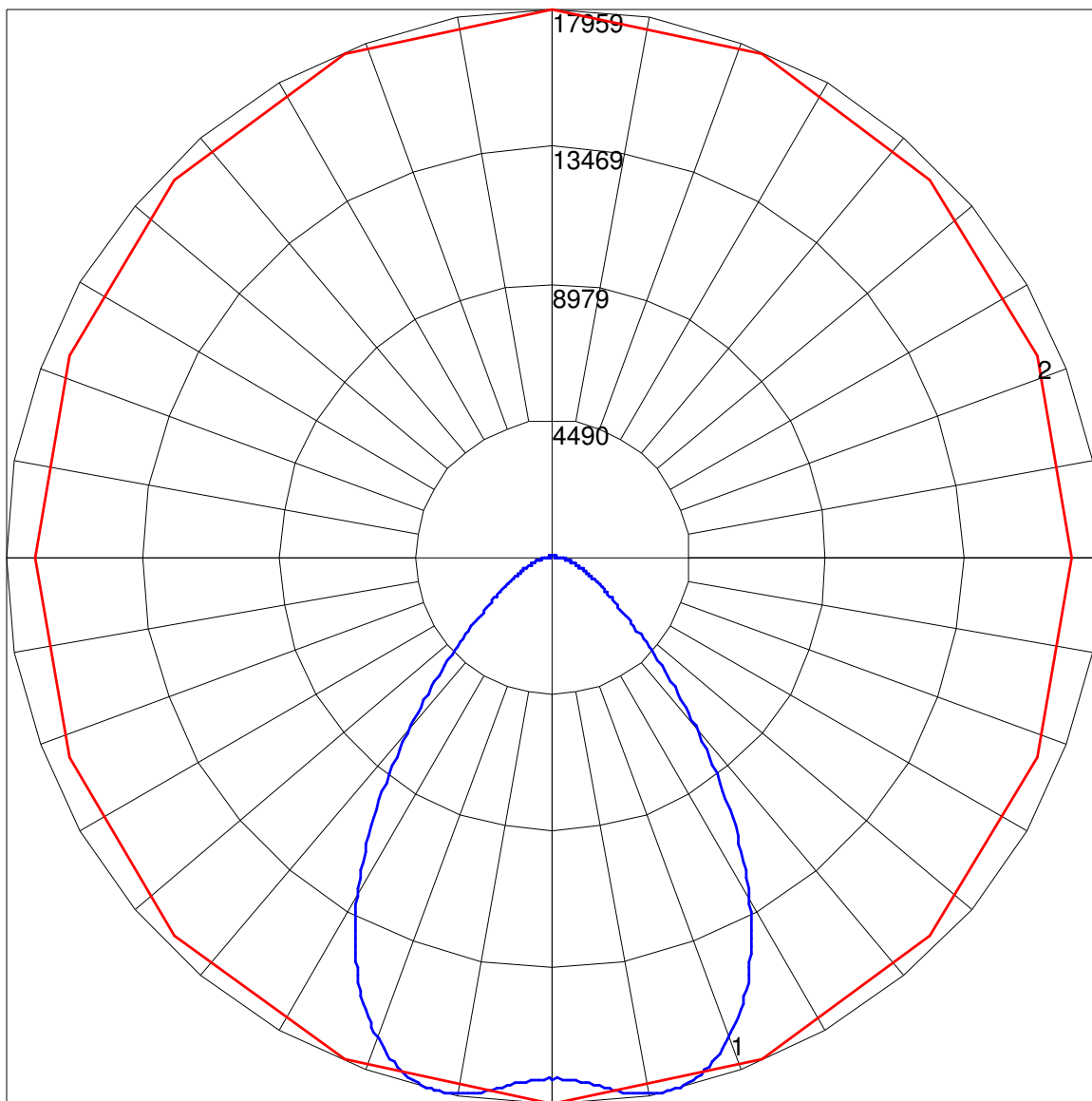
4H	2H	23.1	24.3	23.6	24.7	25.1	17.4	18.6	17.8	18.9	19.4
	3H	24.6	25.6	25.0	26.0	26.5	18.5	19.5	19.0	19.9	20.4
	4H	25.1	26.0	25.6	26.5	26.9	19.0	19.8	19.4	20.3	20.8
	6H	25.5	26.2	26.0	26.7	27.2	19.3	20.0	19.8	20.5	21.0
	8H	25.6	26.3	26.1	26.8	27.3	19.4	20.1	19.9	20.6	21.1
	12H	25.6	26.3	26.2	26.8	27.3	19.5	20.1	20.0	20.6	21.1

8H	4H	25.1	25.8	25.6	26.3	26.8	19.4	20.1	19.9	20.6	21.1
	6H	25.5	26.1	26.0	26.6	27.1	19.8	20.4	20.3	20.9	21.4
	8H	25.6	26.1	26.2	26.7	27.2	19.9	20.5	20.5	21.0	21.5
	12H	25.7	26.2	26.3	26.7	27.3	20.1	20.6	20.6	21.1	21.7

12H	4H	25.1	25.7	25.6	26.2	26.7	19.5	20.1	20.0	20.6	21.1
	6H	25.5	26.0	26.0	26.5	27.1	19.9	20.4	20.4	20.9	21.5
	8H	25.6	26.1	26.2	26.6	27.2	20.1	20.5	20.6	21.0	21.7

Maximum UGR = 27.3

POLAR GRAPH



Maximum Candela = 17958.803 Located At Horizontal Angle = 90, Vertical Angle = 11
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (11) (Through Max. Cd.)