

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LED-DLJBX-1RG-7W-5CCT-WH-R 3000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-DLJBX-1RG-7W-5CCT-WH-R
[TESTLAB] EVERFINE
[TESTDATE] 2022-06-21
[ISSUEDATE] 2022-06-21 13:47:07
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-SPEX500_V1 SYSTEM
[MANUFAC] ENVISION LED LIGHTING
[LUMINAIRE] LED-DLJBX-1RG-7W-5CCT-WH-R 3000K

CHARACTERISTICS

Lumens Per Lamp	524.62 (1 lamp)
Total Lamp Lumens	524.62
Luminaire Lumens	525
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	7.13092
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.72
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.08 ft (Diameter)
Luminous Width (90-270)	0.08 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	99073	100401	91442
55	46632	47441	44808
65	31958	31705	30642
75	24062	24120	22814
85	835	2921	16005

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	849.380	849.380	849.380	849.380	849.380	849.380	849.380	849.380	849.380	849.380
1	848.910	846.560	844.020	842.910	842.230	842.650	843.130	846.030	849.710	852.700
2	847.130	842.370	837.100	834.150	832.220	832.590	835.710	840.900	847.360	850.360
3	841.740	834.780	827.240	822.660	820.990	821.550	827.620	833.810	842.830	848.350
4	835.020	824.800	814.060	809.560	807.950	809.030	816.050	824.970	836.520	845.260
5	828.420	813.120	801.090	794.590	792.060	792.760	801.680	813.220	828.720	839.850
6	815.400	799.850	784.880	778.140	773.260	776.000	784.990	800.070	817.060	829.100
7	803.340	783.770	767.380	758.830	754.800	755.960	767.400	783.620	803.980	818.040
8	788.120	766.700	747.690	738.680	735.120	735.790	749.600	767.870	789.880	805.030
9	769.860	745.750	726.310	716.790	712.990	715.230	730.120	749.910	773.550	789.530
10	750.480	724.670	703.510	695.160	690.050	692.670	708.750	730.120	755.600	773.180
11	729.320	701.820	679.670	671.460	667.110	670.230	686.060	708.020	735.190	753.610
12	705.730	677.730	654.820	647.000	643.810	647.300	662.490	684.460	711.170	731.520
13	681.010	652.490	629.940	621.830	620.590	623.540	637.330	660.610	685.860	706.450
14	655.460	627.020	604.680	597.560	596.600	600.310	611.760	634.130	659.040	678.720
15	630.150	602.090	580.130	573.240	573.100	574.950	586.330	607.000	630.410	648.800
16	602.200	577.410	554.720	549.540	549.250	549.550	559.020	578.430	600.940	617.060
17	575.410	551.900	531.370	525.330	524.910	524.220	532.530	548.710	569.710	585.690
18	548.380	527.260	508.360	502.260	501.280	499.690	505.150	518.910	538.800	552.410
19	521.750	502.400	486.080	479.010	476.860	474.850	478.750	489.740	507.230	518.750
20	494.540	478.230	463.100	456.280	452.790	449.630	453.210	461.200	476.050	485.540
21	468.680	455.420	439.420	434.250	429.540	424.850	428.130	433.640	445.390	453.300
22	443.430	431.710	417.300	411.800	406.860	399.950	402.800	406.350	415.740	422.150
23	418.460	408.430	394.430	390.020	384.420	374.950	377.130	379.040	385.990	391.970
24	393.870	384.150	371.200	367.810	361.830	349.720	351.060	350.840	356.890	361.990
25	368.660	360.150	347.880	344.720	337.290	325.110	324.030	322.690	327.980	332.970
26	343.110	335.170	325.360	321.230	313.280	300.460	296.800	293.980	298.660	301.530
27	316.980	310.350	302.710	298.310	288.920	277.330	271.090	267.110	269.990	271.060
28	291.870	287.260	281.730	275.930	266.660	255.170	246.060	239.790	241.820	241.690
29	268.260	263.940	260.410	254.500	244.070	232.440	221.010	211.810	213.670	213.270
30	245.080	241.010	239.400	233.060	221.470	207.270	194.390	185.210	188.310	187.260
31	220.290	218.070	217.500	211.240	197.790	181.140	167.910	162.030	166.110	165.650
32	193.870	194.900	194.030	187.290	173.490	156.280	146.440	142.680	146.420	146.780
33	168.210	169.740	168.570	163.850	149.860	134.130	126.640	125.460	130.610	131.210
34	145.040	146.540	144.070	140.440	127.520	115.390	110.510	110.440	116.200	117.210
35	124.430	124.010	122.390	118.470	109.230	101.220	97.084	98.539	103.190	103.360
36	109.400	107.020	106.400	102.150	95.266	87.067	85.657	86.688	89.856	89.506
37	94.391	92.765	90.470	88.501	82.190	76.931	76.090	75.432	77.032	77.265
38	82.339	81.035	79.117	77.393	72.682	67.817	66.606	64.137	65.148	64.070
39	72.291	71.111	69.380	68.288	64.050	59.611	57.000	54.745	54.717	54.210
40	64.054	63.378	61.512	60.654	56.879	51.599	49.526	46.659	46.093	44.592
41	56.113	56.313	54.480	53.783	49.854	44.787	42.671	40.294	39.150	38.643
42	48.406	48.700	48.055	46.828	43.276	39.138	37.617	35.442	33.910	32.874
43	41.865	42.960	42.137	41.067	37.922	34.693	33.609	31.716	29.960	28.810
44	36.732	37.443	37.263	36.122	33.641	31.246	30.331	28.511	26.650	25.593
45	32.745	33.659	33.184	32.314	30.223	28.250	27.443	25.769	23.954	22.663
46	29.394	30.194	29.880	29.091	27.352	25.694	24.880	23.262	21.260	20.213
47	26.581	27.351	27.073	26.287	24.806	23.360	22.656	21.121	19.337	18.357
48	24.055	24.711	24.498	23.902	22.596	21.232	20.436	19.227	17.629	16.759
49	21.685	22.468	22.232	21.757	20.389	19.268	18.520	17.547	16.204	15.401
50	19.582	20.227	20.137	19.612	18.470	17.448	16.886	16.157	14.997	14.378
51	17.704	18.244	18.270	17.739	16.729	15.848	15.479	14.966	13.979	13.485
52	16.015	16.501	16.508	16.047	15.188	14.536	14.284	13.880	13.075	12.652
53	14.608	14.934	15.010	14.591	13.923	13.407	13.191	12.885	12.233	11.914

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CANDELA TABULATION - (Cont.)

54	13.454	13.714	13.793	13.446	12.897	12.470	12.230	12.011	11.474	11.177
55	12.502	12.696	12.719	12.475	12.013	11.628	11.364	11.140	10.770	10.489
56	11.652	11.797	11.835	11.593	11.182	10.785	10.578	10.382	10.092	9.834
57	10.803	10.975	10.953	10.806	10.436	10.057	9.851	9.654	9.433	9.217
58	10.083	10.213	10.183	10.067	9.729	9.358	9.137	8.979	8.840	8.654
59	9.376	9.505	9.474	9.351	9.053	8.686	8.503	8.403	8.338	8.158
60	8.719	8.835	8.769	8.656	8.380	8.085	7.967	7.878	7.864	7.721
61	8.104	8.182	8.098	8.020	7.798	7.566	7.478	7.437	7.449	7.325
62	7.569	7.604	7.523	7.466	7.305	7.111	7.064	7.015	7.017	6.923
63	7.094	7.109	7.024	6.995	6.869	6.724	6.643	6.559	6.548	6.468
64	6.710	6.701	6.630	6.597	6.479	6.293	6.171	6.022	5.987	5.936
65	6.313	6.326	6.263	6.215	6.053	5.806	5.639	5.454	5.400	5.374
66	5.854	5.890	5.817	5.759	5.583	5.292	5.073	4.911	4.890	4.870
67	5.372	5.412	5.360	5.303	5.111	4.801	4.590	4.485	4.496	4.491
68	4.894	4.943	4.910	4.853	4.683	4.443	4.266	4.167	4.167	4.168
69	4.501	4.556	4.542	4.510	4.376	4.146	3.984	3.883	3.889	3.880
70	4.219	4.267	4.261	4.233	4.097	3.871	3.716	3.611	3.613	3.605
71	3.943	4.001	3.979	3.960	3.818	3.595	3.437	3.335	3.338	3.325
72	3.672	3.717	3.705	3.678	3.541	3.331	3.173	3.075	3.071	3.062
73	3.403	3.452	3.434	3.404	3.280	3.066	2.917	2.825	2.821	2.815
74	3.151	3.192	3.170	3.142	3.018	2.809	2.671	2.520	2.414	2.572
75	2.911	2.940	2.918	2.884	2.760	2.561	2.433	2.062	1.930	2.340
76	2.604	2.640	2.672	2.635	2.519	2.329	2.199	1.592	1.426	1.987
77	2.226	2.285	2.433	2.395	2.283	2.102	1.978	1.134	0.947	1.559
78	1.833	1.914	2.188	2.168	2.056	1.879	1.749	0.732	0.511	1.118
79	1.446	1.540	1.885	1.936	1.837	1.663	1.494	0.393	0.151	0.696
80	1.078	1.172	1.559	1.726	1.628	1.461	1.222	0.190	0.013	0.337
81	0.729	0.827	1.234	1.515	1.416	1.262	0.954	0.121	0.010	0.084
82	0.422	0.507	0.911	1.309	1.215	1.055	0.687	0.068	0.011	0.032
83	0.156	0.220	0.606	1.098	1.024	0.830	0.430	0.019	0.008	0.014
84	0.036	0.039	0.333	0.859	0.835	0.595	0.194	0.004	0.002	0.004
85	0.034	0.026	0.119	0.621	0.652	0.358	0.028	0.000	0.002	0.006
86	0.032	0.023	0.023	0.405	0.480	0.154	0.000	0.000	0.000	0.002
87	0.030	0.028	0.021	0.229	0.310	0.031	0.000	0.000	0.000	0.000
88	0.026	0.024	0.021	0.091	0.146	0.003	0.000	0.000	0.000	0.000
89	0.028	0.021	0.020	0.014	0.012	0.000	0.000	0.001	0.000	0.004
90	0.026	0.020	0.019	0.013	0.001	0.000	0.000	0.000	0.001	0.000

**Vert.
Angles**

Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	849.380	849.380	849.380	849.380	849.380	849.380	849.380
1	851.960	853.930	853.510	854.200	852.160	850.500	848.910
2	854.030	856.120	857.200	857.470	854.700	851.530	847.130
3	854.300	856.450	857.890	857.230	854.970	848.750	841.740
4	851.850	853.690	855.730	855.650	852.960	845.180	835.020
5	846.450	849.270	849.780	852.100	848.800	839.440	828.420
6	838.610	839.500	841.610	844.540	841.870	831.120	815.400
7	828.160	828.500	830.640	833.540	830.390	820.970	803.340
8	813.900	814.700	817.660	821.910	819.400	808.450	788.120
9	799.720	800.440	802.730	807.690	804.200	792.930	769.860
10	784.250	784.050	786.480	791.060	787.490	773.560	750.480
11	766.460	764.940	766.620	772.630	767.480	754.160	729.320
12	745.270	745.190	747.010	751.840	746.190	731.400	705.730
13	722.730	722.730	724.360	728.940	722.110	707.270	681.010
14	696.060	698.820	700.370	704.530	695.520	681.510	655.460

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CANDELA TABULATION - (Cont.)

15	668.950	671.890	674.360	677.680	669.300	654.950	630.150
16	639.800	643.490	646.050	650.090	641.190	626.670	602.200
17	607.810	612.670	615.660	621.030	613.310	598.320	575.410
18	576.300	581.150	584.600	592.820	583.960	569.120	548.380
19	543.860	549.980	553.370	562.900	553.950	539.940	521.750
20	510.920	518.500	523.250	530.710	524.210	512.300	494.540
21	477.510	487.310	493.190	500.080	495.340	484.250	468.680
22	444.080	455.440	461.930	468.260	465.450	456.740	443.430
23	412.060	424.830	431.680	437.620	437.270	429.390	418.460
24	380.040	393.460	400.960	407.720	410.080	402.650	393.870
25	349.360	362.440	369.350	377.950	382.650	375.880	368.660
26	317.040	328.780	338.310	348.070	353.750	348.330	343.110
27	286.560	295.700	305.740	318.440	325.190	321.430	316.980
28	256.740	264.370	274.370	291.220	298.580	296.180	291.870
29	226.940	233.950	243.680	263.600	272.400	271.380	268.260
30	199.940	205.770	214.930	235.420	246.110	246.290	245.080
31	176.130	180.160	187.600	207.260	217.800	221.180	220.290
32	154.850	158.760	165.190	182.040	190.730	193.980	193.870
33	137.110	140.150	145.260	159.640	167.170	168.090	168.210
34	122.500	123.890	128.300	140.030	146.580	145.440	145.040
35	108.230	109.420	113.350	123.420	128.340	126.310	124.430
36	94.370	95.781	99.781	109.250	114.010	110.100	109.400
37	80.385	82.141	86.210	96.483	101.600	96.803	94.391
38	67.414	68.944	74.261	84.318	89.204	85.304	82.339
39	55.746	56.947	61.392	72.252	77.678	75.488	72.291
40	46.692	47.658	52.147	61.333	66.880	66.117	64.054
41	39.416	40.135	43.583	51.932	57.628	57.150	56.113
42	33.657	34.399	37.553	44.192	48.459	49.104	48.406
43	29.197	29.952	32.674	38.269	41.880	42.041	41.865
44	25.703	26.164	28.624	33.249	36.100	36.519	36.732
45	22.952	23.214	25.189	29.224	31.664	32.263	32.745
46	20.208	20.622	22.423	25.867	28.032	28.814	29.394
47	18.188	18.567	20.037	23.129	24.798	25.879	26.581
48	16.486	16.803	18.003	20.399	22.011	23.324	24.055
49	15.180	15.408	16.428	18.330	19.705	20.772	21.685
50	14.191	14.306	15.167	16.582	17.737	18.774	19.582
51	13.338	13.420	14.070	15.172	16.063	16.970	17.704
52	12.543	12.592	13.154	14.071	14.746	15.439	16.015
53	11.809	11.838	12.320	13.110	13.668	14.205	14.608
54	11.118	11.085	11.551	12.260	12.747	13.190	13.454
55	10.443	10.390	10.782	11.481	11.925	12.267	12.502
56	9.785	9.706	10.075	10.725	11.103	11.448	11.652
57	9.155	9.068	9.396	10.011	10.378	10.665	10.803
58	8.572	8.482	8.757	9.305	9.677	9.952	10.083
59	8.076	7.976	8.206	8.636	9.019	9.261	9.376
60	7.620	7.517	7.694	8.050	8.370	8.599	8.719
61	7.215	7.122	7.256	7.541	7.820	8.024	8.104
62	6.809	6.740	6.871	7.103	7.318	7.519	7.569
63	6.396	6.342	6.486	6.734	6.916	7.065	7.094
64	5.915	5.882	6.044	6.359	6.540	6.679	6.710
65	5.402	5.391	5.561	5.905	6.134	6.287	6.313
66	4.916	4.902	5.067	5.413	5.652	5.822	5.854
67	4.539	4.542	4.675	4.907	5.130	5.316	5.372
68	4.210	4.208	4.316	4.505	4.663	4.817	4.894
69	3.920	3.919	4.022	4.182	4.308	4.427	4.501
70	3.638	3.636	3.737	3.903	4.024	4.144	4.219

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CANDELA TABULATION - (Cont.)

71	3.357	3.362	3.469	3.625	3.752	3.872	3.943
72	3.093	3.105	3.207	3.353	3.486	3.607	3.672
73	2.843	2.854	2.957	3.109	3.232	3.349	3.403
74	2.602	2.613	2.716	2.864	2.984	3.093	3.151
75	2.368	2.385	2.485	2.628	2.745	2.852	2.911
76	2.147	2.163	2.260	2.406	2.522	2.615	2.604
77	1.930	1.949	2.048	2.182	2.298	2.303	2.226
78	1.723	1.746	1.845	1.972	2.082	1.957	1.833
79	1.522	1.549	1.645	1.770	1.820	1.600	1.446
80	1.290	1.359	1.449	1.574	1.527	1.245	1.078
81	1.034	1.179	1.270	1.390	1.223	0.898	0.729
82	0.788	1.006	1.092	1.208	0.920	0.574	0.422
83	0.548	0.831	0.920	1.009	0.627	0.278	0.156
84	0.311	0.630	0.759	0.782	0.355	0.054	0.036
85	0.086	0.417	0.606	0.556	0.126	0.023	0.034
86	0.000	0.215	0.452	0.346	0.023	0.025	0.032
87	0.000	0.050	0.303	0.175	0.016	0.029	0.030
88	0.000	0.000	0.159	0.055	0.020	0.024	0.026
89	0.000	0.000	0.014	0.016	0.019	0.020	0.028
90	0.000	0.000	0.013	0.018	0.019	0.020	0.026

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	248.69	47.40	47.40
0-30	407.20	77.60	77.60
0-40	481.52	91.80	91.80
0-60	515.73	98.30	98.30
0-80	524.23	99.90	99.90
0-90	524.62	100.00	100.00
10-90	448.49	85.50	85.50
20-40	232.83	44.40	44.40
20-50	256.43	48.90	48.90
40-70	40.01	7.60	7.60
60-80	8.49	1.60	1.60
70-80	2.69	0.50	0.50
80-90	0.40	0.10	0.10
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	524.62	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	76.13
10-20	172.56
20-30	158.51
30-40	74.33
40-50	23.60
50-60	10.61
60-70	5.80
70-80	2.69
80-90	0.40
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LED-DLJBX-1RG-7W-5CCT-WH-R 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	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	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	87	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	71	77	73	70	76	72	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61
9	78	69	64	60	77	69	63	60	68	63	60	67	62	59	66	62	59	58
10	75	66	60	57	74	65	60	57	65	60	57	64	59	56	63	59	56	55

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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

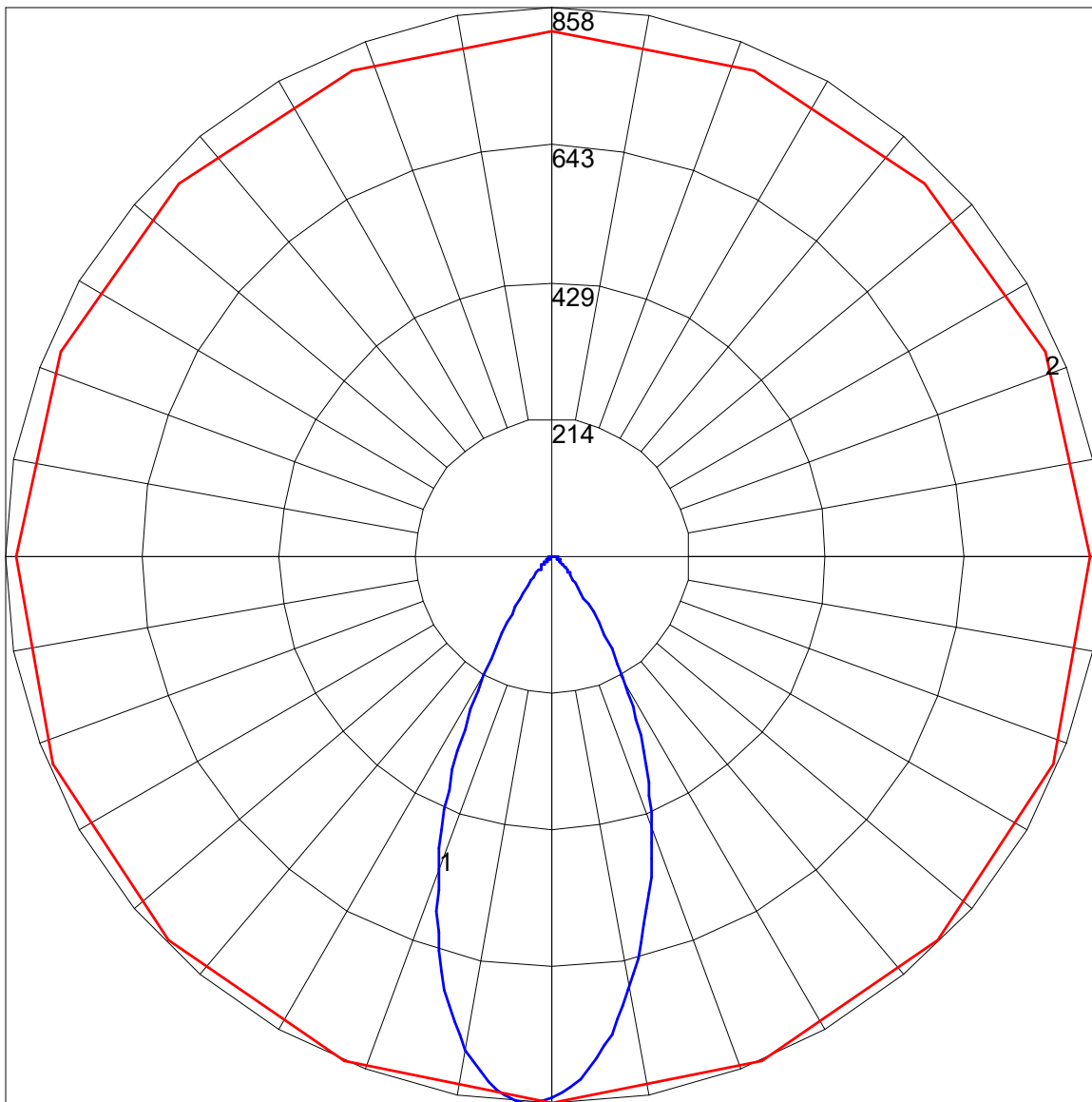
X=2H	Y=2H	17.7	18.7	18.1	19.0	19.4	17.5	18.5	17.8	18.8	19.1
	3H	18.7	19.6	19.1	19.9	20.3	18.4	19.3	18.8	19.6	20.0
	4H	19.1	19.9	19.5	20.2	20.6	18.8	19.6	19.2	20.0	20.3
	6H	19.2	19.9	19.6	20.3	20.7	19.0	19.8	19.5	20.2	20.6
	8H	19.2	19.9	19.6	20.3	20.7	19.1	19.8	19.6	20.2	20.6
	12H	19.1	19.8	19.5	20.2	20.6	19.1	19.8	19.6	20.2	20.6

UGR Viewed Endwise

4H	2H	18.0	18.8	18.4	19.2	19.6	17.7	18.6	18.1	18.9	19.3
	3H	19.1	19.8	19.6	20.2	20.6	18.9	19.6	19.3	20.0	20.4
	4H	19.6	20.2	20.1	20.6	21.1	19.4	19.9	19.8	20.4	20.8
	6H	19.8	20.4	20.3	20.8	21.3	19.7	20.2	20.2	20.7	21.1
	8H	19.8	20.3	20.3	20.7	21.2	19.8	20.3	20.3	20.7	21.2
	12H	19.7	20.2	20.2	20.6	21.1	19.8	20.3	20.3	20.7	21.2
8H	4H	19.7	20.2	20.2	20.6	21.1	19.4	19.9	19.9	20.4	20.8
	6H	20.0	20.4	20.5	20.9	21.4	19.9	20.3	20.4	20.8	21.2
	8H	20.0	20.3	20.5	20.8	21.3	20.0	20.4	20.6	20.9	21.4
	12H	19.9	20.2	20.5	20.7	21.3	20.1	20.4	20.7	20.9	21.5
12H	4H	19.7	20.1	20.2	20.6	21.1	19.4	19.8	19.9	20.3	20.8
	6H	20.0	20.3	20.5	20.8	21.3	19.8	20.2	20.4	20.7	21.2
	8H	20.0	20.3	20.5	20.8	21.3	20.0	20.3	20.6	20.8	21.4

Maximum UGR = 21.5

POLAR GRAPH



Maximum Candela = 857.89 Located At Horizontal Angle = 270, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)