

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LED-DLJBX-1RG-7W-5CCT-WH-R 5000K.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 14:19:13
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-SPEX500_V1 SYSTEM
[MANUFAC] ENVISION LED LIGHTING
[LUMINAIRE] LED-DLJBX-1RG-7W-5CCT-WH-R 5000K

CHARACTERISTICS

Lumens Per Lamp	537.2 (1 lamp)
Total Lamp Lumens	537.2
Luminaire Lumens	537
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	7.32042
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.74
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	99463	106637	100162
55	48944	50328	47643
65	33745	33877	32920
75	25286	25666	24352
85	859	4541	16766

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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	819.580	819.580	819.580	819.580	819.580	819.580	819.580	819.580	819.580	819.580
1	818.360	820.570	822.470	824.790	825.130	823.390	822.350	820.030	818.530	817.280
2	815.220	819.960	823.460	828.270	828.580	826.370	823.430	818.590	815.670	812.710
3	809.440	815.990	821.680	828.500	830.130	826.200	822.330	814.900	810.840	807.280
4	801.970	809.630	817.690	826.220	827.890	824.140	817.620	809.320	803.710	800.810
5	791.740	801.090	810.850	821.470	823.040	817.700	810.340	800.740	794.660	791.610
6	778.850	789.830	801.620	813.440	814.400	808.540	800.100	788.900	783.150	782.170
7	764.760	776.300	788.560	801.600	803.200	795.660	786.700	775.590	770.180	770.520
8	748.630	760.380	772.370	786.340	787.500	780.170	771.180	760.550	755.860	757.660
9	730.830	742.070	753.450	768.270	769.350	762.960	753.830	743.600	740.730	745.200
10	711.480	720.940	732.070	747.250	748.390	741.120	733.370	724.880	723.710	730.990
11	690.600	699.350	708.180	723.720	724.480	718.240	711.130	704.390	705.070	715.740
12	669.480	676.160	682.880	697.100	698.920	693.130	686.490	682.270	685.580	698.900
13	647.700	651.680	656.820	669.780	672.220	665.740	660.420	659.120	664.400	679.660
14	625.050	627.330	630.320	642.540	644.740	637.230	633.290	634.690	641.500	658.120
15	603.140	602.850	602.690	614.260	616.510	608.420	605.550	609.170	617.970	635.250
16	580.300	577.780	576.070	587.090	587.730	579.790	576.350	581.200	593.440	610.370
17	557.430	552.850	550.650	560.440	558.990	549.840	547.050	552.730	567.460	583.670
18	534.660	528.510	526.280	532.830	530.710	521.050	517.580	524.140	540.760	556.450
19	511.460	504.910	501.240	506.420	502.290	492.970	489.350	495.950	512.950	527.590
20	489.200	481.270	476.230	480.750	475.090	464.740	462.200	467.940	484.450	497.690
21	467.530	458.730	451.370	455.760	448.590	437.320	436.260	440.390	456.390	468.030
22	445.670	436.340	426.990	430.850	423.190	410.930	410.450	414.020	428.150	439.290
23	423.590	413.390	403.190	406.590	398.010	384.940	384.100	387.250	399.420	410.580
24	401.110	390.850	379.710	382.890	373.400	359.210	357.900	359.970	370.350	381.510
25	377.330	367.360	356.430	358.610	348.180	333.850	330.820	331.580	340.380	351.800
26	352.890	343.620	333.910	334.580	323.760	309.600	304.390	303.620	309.180	319.410
27	326.700	319.500	312.370	310.530	300.020	287.250	279.750	276.950	278.980	287.410
28	301.830	296.480	291.860	288.450	277.650	265.460	254.750	249.890	249.620	255.780
29	277.320	274.000	271.190	267.230	254.560	242.890	229.730	221.990	220.270	224.990
30	253.700	251.370	250.270	244.300	231.450	217.200	203.060	193.640	193.070	196.600
31	229.220	228.730	228.290	221.310	205.070	189.980	176.660	168.170	167.470	172.030
32	203.260	205.530	203.500	195.070	178.700	164.200	154.180	146.640	144.990	151.170
33	176.790	179.950	176.770	170.000	154.620	142.810	134.020	127.850	127.290	133.000
34	151.340	154.420	151.250	146.900	134.460	124.820	117.810	110.990	111.480	117.620
35	127.920	130.130	129.110	126.230	117.820	109.670	103.940	98.757	98.148	103.270
36	108.970	111.380	110.340	111.080	104.660	98.247	92.264	86.550	85.015	88.908
37	93.902	95.643	97.463	97.436	92.448	86.898	81.971	74.722	72.520	76.799
38	80.728	83.359	84.676	86.169	82.489	77.226	71.205	63.637	61.467	63.741
39	70.728	73.348	74.549	76.392	73.352	67.937	61.039	54.061	51.340	53.485
40	62.216	65.113	66.290	68.418	65.053	58.428	52.524	46.090	43.543	44.596
41	54.590	57.683	58.967	60.666	56.521	50.260	45.238	39.960	37.450	38.573
42	47.321	50.000	51.664	52.479	48.793	43.537	39.613	35.339	32.950	33.049
43	41.257	44.125	45.132	45.884	42.304	38.227	35.357	31.761	29.465	29.339
44	36.595	38.630	39.696	39.981	37.191	34.130	31.770	28.724	26.565	26.195
45	32.874	34.755	35.245	35.534	33.105	30.630	28.534	26.014	24.010	23.326
46	29.735	31.252	31.652	31.793	29.730	27.593	25.783	23.569	21.916	21.097
47	27.038	28.272	28.547	28.538	26.822	24.941	23.457	21.470	19.827	19.226
48	24.558	25.651	25.857	25.741	24.279	22.582	21.133	19.560	18.138	17.582
49	22.314	23.339	23.445	23.393	21.989	20.445	19.196	17.939	16.723	16.221
50	20.268	21.032	21.276	21.048	19.701	18.479	17.529	16.557	15.548	15.183
51	18.410	19.056	19.284	19.014	17.833	16.825	16.119	15.398	14.516	14.290
52	16.675	17.235	17.433	17.178	16.191	15.433	14.892	14.332	13.620	13.463
53	15.274	15.692	15.878	15.635	14.848	14.236	13.789	13.336	12.786	12.665

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CANDELA TABULATION - (Cont.)

54	14.113	14.438	14.596	14.392	13.732	13.221	12.802	12.464	12.019	11.928
55	13.122	13.381	13.493	13.359	12.773	12.302	11.908	11.655	11.285	11.191
56	12.227	12.439	12.534	12.434	11.927	11.485	11.104	10.846	10.584	10.498
57	11.423	11.584	11.677	11.584	11.134	10.668	10.322	10.110	9.916	9.830
58	10.619	10.790	10.821	10.794	10.385	9.920	9.607	9.430	9.316	9.247
59	9.902	10.048	10.070	10.042	9.660	9.218	8.976	8.836	8.797	8.731
60	9.203	9.334	9.323	9.311	8.964	8.620	8.411	8.302	8.313	8.272
61	8.569	8.659	8.628	8.653	8.365	8.071	7.907	7.836	7.877	7.847
62	8.007	8.046	8.025	8.064	7.846	7.609	7.469	7.392	7.436	7.418
63	7.505	7.527	7.512	7.569	7.391	7.192	7.023	6.900	6.950	6.944
64	7.084	7.088	7.086	7.149	6.975	6.720	6.503	6.348	6.366	6.389
65	6.666	6.686	6.692	6.731	6.503	6.182	5.943	5.748	5.760	5.793
66	6.178	6.226	6.208	6.242	5.988	5.618	5.359	5.202	5.227	5.254
67	5.674	5.719	5.716	5.739	5.477	5.095	4.872	4.768	4.804	4.835
68	5.173	5.229	5.235	5.232	5.005	4.723	4.530	4.426	4.455	4.485
69	4.761	4.821	4.851	4.869	4.681	4.419	4.227	4.126	4.150	4.174
70	4.455	4.521	4.548	4.565	4.384	4.125	3.932	3.833	3.848	3.871
71	4.165	4.226	4.249	4.266	4.083	3.828	3.638	3.541	3.557	3.577
72	3.874	3.936	3.951	3.965	3.785	3.535	3.352	3.261	3.275	3.292
73	3.591	3.651	3.660	3.676	3.500	3.253	3.078	2.989	3.005	3.023
74	3.320	3.375	3.376	3.385	3.217	2.981	2.814	2.595	2.603	2.761
75	3.059	3.100	3.105	3.107	2.946	2.722	2.563	2.072	2.087	2.513
76	2.720	2.801	2.845	2.841	2.685	2.468	2.316	1.546	1.558	2.218
77	2.318	2.435	2.589	2.577	2.431	2.225	2.072	1.054	1.054	1.798
78	1.908	2.044	2.339	2.329	2.186	1.986	1.803	0.607	0.583	1.335
79	1.498	1.654	2.055	2.087	1.947	1.756	1.492	0.243	0.202	0.891
80	1.115	1.266	1.726	1.850	1.718	1.537	1.191	0.061	0.013	0.523
81	0.748	0.897	1.380	1.623	1.496	1.321	0.907	0.035	0.010	0.243
82	0.421	0.558	1.044	1.404	1.283	1.074	0.637	0.016	0.008	0.123
83	0.149	0.259	0.719	1.195	1.076	0.814	0.381	0.006	0.006	0.066
84	0.036	0.052	0.428	0.975	0.877	0.555	0.151	0.005	0.004	0.021
85	0.035	0.029	0.185	0.735	0.683	0.307	0.009	0.001	0.004	0.006
86	0.034	0.027	0.035	0.505	0.498	0.102	0.000	0.000	0.000	0.003
87	0.034	0.030	0.022	0.313	0.305	0.007	0.000	0.001	0.000	0.004
88	0.027	0.028	0.023	0.146	0.136	0.000	0.000	0.000	0.000	0.004
89	0.026	0.025	0.024	0.021	0.011	0.004	0.000	0.001	0.000	0.003
90	0.030	0.026	0.028	0.019	0.003	0.003	0.001	0.000	0.002	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	819.580	819.580	819.580	819.580	819.580	819.580	819.580
1	814.960	814.520	813.870	813.670	815.110	816.510	818.360
2	810.770	810.130	809.030	808.790	810.480	812.150	815.220
3	806.010	805.120	804.340	804.360	804.450	805.900	809.440
4	800.320	800.960	800.160	798.300	796.760	797.190	801.970
5	794.090	795.950	795.390	792.140	788.260	786.820	791.740
6	786.210	789.940	789.740	786.030	778.950	775.890	778.850
7	777.230	783.570	783.480	777.850	768.040	762.570	764.760
8	767.940	775.870	776.110	768.970	756.340	748.230	748.630
9	757.980	768.390	768.630	759.150	743.640	731.740	730.830
10	747.230	759.340	759.860	747.400	727.860	714.080	711.480
11	735.930	749.950	749.930	734.990	712.220	695.420	690.600
12	722.900	738.250	738.480	721.810	695.180	676.050	669.480
13	705.920	725.070	724.750	706.260	677.230	655.600	647.700
14	688.120	707.800	707.390	689.170	658.030	635.390	625.050

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CANDELA TABULATION - (Cont.)

15	666.670	686.910	687.360	669.430	638.110	614.880	603.140
16	642.540	661.990	663.270	648.270	617.130	593.480	580.300
17	616.470	634.400	636.640	624.810	595.210	571.700	557.430
18	590.050	605.790	608.090	599.050	572.010	549.690	534.660
19	561.090	575.250	578.270	573.050	547.800	527.420	511.460
20	530.600	543.760	547.720	545.290	523.350	504.600	489.200
21	498.370	512.020	517.240	516.150	497.850	482.630	467.530
22	465.820	480.170	486.300	486.910	472.930	458.800	445.670
23	434.160	448.630	455.510	458.370	447.900	435.550	423.590
24	402.240	416.440	424.020	430.260	422.770	411.780	401.110
25	371.080	384.940	393.210	401.890	396.780	386.370	377.330
26	337.430	349.950	360.770	371.950	368.450	360.390	352.890
27	304.690	315.520	327.470	341.680	339.500	334.480	326.700
28	273.740	281.780	295.490	312.970	312.230	309.100	301.830
29	244.070	249.780	262.490	283.080	285.140	284.180	277.320
30	214.420	222.130	233.260	253.100	256.850	259.420	253.700
31	189.540	196.320	206.960	223.150	227.490	232.010	229.220
32	167.120	176.380	184.910	197.430	198.380	204.090	203.260
33	147.980	158.090	166.150	174.920	174.380	175.380	176.790
34	132.870	142.290	148.860	155.280	152.260	150.400	151.340
35	117.550	127.150	133.310	137.820	133.100	129.010	127.920
36	102.430	111.220	118.040	122.380	117.300	110.100	108.970
37	88.303	96.554	104.000	109.280	104.270	95.454	93.902
38	74.055	81.902	89.975	95.472	91.269	83.134	80.728
39	61.526	68.653	75.610	82.164	79.903	72.823	70.728
40	51.357	56.944	63.826	70.446	68.858	63.650	62.216
41	43.218	47.550	52.745	59.697	59.930	55.186	54.590
42	36.576	39.749	44.706	50.415	50.269	47.713	47.321
43	31.602	34.358	38.122	43.049	43.855	41.239	41.257
44	27.597	29.573	33.028	37.133	37.593	36.224	36.595
45	24.374	25.853	28.842	32.363	33.149	32.398	32.874
46	21.965	22.929	25.122	28.465	29.484	29.260	29.735
47	19.565	20.504	22.394	25.229	26.226	26.506	27.038
48	17.802	18.551	20.189	22.697	23.423	24.034	24.558
49	16.390	17.005	18.310	20.168	21.116	21.889	22.314
50	15.311	15.814	16.841	18.255	19.087	19.749	20.268
51	14.402	14.796	15.647	16.694	17.363	17.925	18.410
52	13.555	13.860	14.614	15.484	15.949	16.326	16.675
53	12.775	13.030	13.680	14.445	14.812	15.064	15.274
54	12.027	12.238	12.814	13.502	13.827	14.008	14.113
55	11.310	11.477	12.030	12.638	12.938	13.050	13.122
56	10.612	10.716	11.220	11.840	12.081	12.187	12.227
57	9.928	10.010	10.475	11.071	11.271	11.378	11.423
58	9.287	9.365	9.741	10.308	10.536	10.616	10.619
59	8.747	8.808	9.114	9.571	9.826	9.897	9.902
60	8.259	8.301	8.566	8.922	9.149	9.208	9.203
61	7.819	7.866	8.074	8.341	8.548	8.590	8.569
62	7.394	7.439	7.644	7.859	8.004	8.039	8.007
63	6.948	6.997	7.231	7.446	7.554	7.557	7.505
64	6.445	6.490	6.745	7.027	7.142	7.147	7.084
65	5.883	5.935	6.209	6.549	6.715	6.726	6.666
66	5.344	5.369	5.628	5.988	6.185	6.236	6.178
67	4.924	4.957	5.129	5.397	5.592	5.684	5.674
68	4.551	4.586	4.728	4.912	5.049	5.155	5.173
69	4.235	4.269	4.406	4.537	4.644	4.719	4.761
70	3.925	3.961	4.091	4.236	4.345	4.419	4.455

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CANDELA TABULATION - (Cont.)

71	3.632	3.666	3.795	3.937	4.049	4.130	4.165
72	3.349	3.382	3.509	3.652	3.759	3.839	3.874
73	3.075	3.108	3.240	3.375	3.487	3.568	3.591
74	2.812	2.846	2.975	3.111	3.220	3.296	3.320
75	2.559	2.594	2.718	2.861	2.963	3.036	3.059
76	2.321	2.357	2.479	2.616	2.718	2.769	2.720
77	2.089	2.125	2.247	2.382	2.476	2.423	2.318
78	1.868	1.905	2.025	2.151	2.230	2.047	1.908
79	1.653	1.692	1.812	1.938	1.918	1.655	1.498
80	1.422	1.484	1.599	1.727	1.586	1.273	1.115
81	1.173	1.293	1.407	1.523	1.250	0.907	0.748
82	0.907	1.105	1.209	1.316	0.917	0.568	0.421
83	0.639	0.925	1.028	1.062	0.601	0.261	0.149
84	0.383	0.729	0.850	0.796	0.312	0.042	0.036
85	0.144	0.508	0.683	0.538	0.082	0.031	0.035
86	0.004	0.289	0.516	0.304	0.026	0.033	0.034
87	0.000	0.103	0.361	0.127	0.023	0.029	0.034
88	0.000	0.005	0.198	0.024	0.025	0.021	0.027
89	0.000	0.001	0.022	0.020	0.022	0.023	0.026
90	0.001	0.001	0.021	0.014	0.021	0.022	0.030

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	247.98	46.20	46.20
0-30	412.51	76.80	76.80
0-40	491.24	91.40	91.40
0-60	527.65	98.20	98.20
0-80	536.77	99.90	99.90
0-90	537.20	100.00	100.00
10-90	462.83	86.20	86.20
20-40	243.26	45.30	45.30
20-50	268.34	50.00	50.00
40-70	42.65	7.90	7.90
60-80	9.12	1.70	1.70
70-80	2.88	0.50	0.50
80-90	0.43	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	537.20	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	74.37
10-20	173.61
20-30	164.53
30-40	78.73
40-50	25.08
50-60	11.33
60-70	6.24
70-80	2.88
80-90	0.43
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 5000K.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	106	104	105	103	101	101	100	98	97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	81	75	71	88	80	74	70	78	74	70	77	73	69	76	72	69	68
7	85	76	70	66	84	76	70	66	74	69	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	65	61	58	57
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	58	56	54

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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

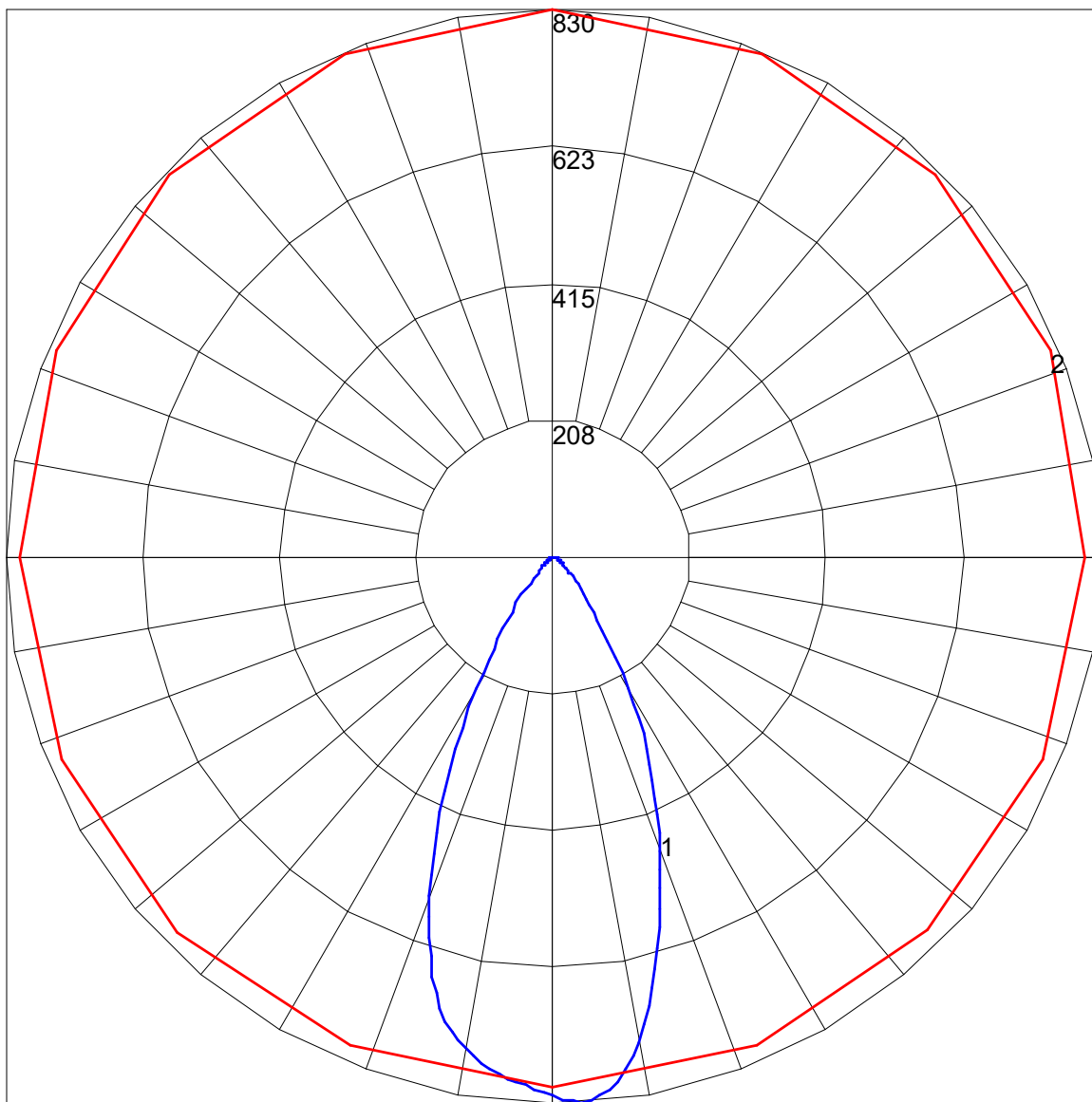
X=2H	Y=2H	18.0	19.0	18.3	19.3	19.6	17.8	18.8	18.1	19.1	19.4
	3H	18.9	19.8	19.3	20.1	20.5	18.7	19.6	19.1	19.9	20.3
	4H	19.3	20.1	19.7	20.5	20.9	19.1	19.9	19.5	20.3	20.6
	6H	19.4	20.2	19.9	20.6	21.0	19.3	20.1	19.8	20.4	20.8
	8H	19.4	20.1	19.8	20.5	20.9	19.4	20.1	19.8	20.5	20.9
	12H	19.3	20.0	19.8	20.4	20.8	19.4	20.1	19.8	20.5	20.9

UGR Viewed Endwise

4H	2H	18.3	19.1	18.7	19.4	19.8	18.0	18.8	18.4	19.2	19.6
	3H	19.4	20.1	19.8	20.5	20.9	19.2	19.8	19.6	20.2	20.7
	4H	19.9	20.5	20.3	20.9	21.3	19.7	20.2	20.1	20.7	21.1
	6H	20.1	20.6	20.6	21.0	21.5	20.0	20.5	20.5	21.0	21.4
	8H	20.0	20.5	20.5	21.0	21.4	20.1	20.6	20.6	21.0	21.5
	12H	20.0	20.4	20.5	20.9	21.4	20.1	20.5	20.6	21.0	21.5
8H	4H	20.0	20.4	20.4	20.9	21.4	19.7	20.2	20.2	20.6	21.1
	6H	20.2	20.6	20.8	21.1	21.6	20.2	20.5	20.7	21.0	21.5
	8H	20.2	20.5	20.7	21.1	21.6	20.3	20.6	20.8	21.2	21.7
	12H	20.2	20.5	20.7	21.0	21.5	20.4	20.7	20.9	21.2	21.8
12H	4H	19.9	20.4	20.4	20.8	21.3	19.7	20.1	20.2	20.6	21.0
	6H	20.2	20.6	20.8	21.0	21.6	20.1	20.5	20.7	20.9	21.5
	8H	20.2	20.5	20.8	21.0	21.6	20.3	20.6	20.8	21.1	21.7

Maximum UGR = 21.8

POLAR GRAPH



Maximum Candela = 830.13 Located At Horizontal Angle = 90, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)