

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LED-DLJBX-1RG-7W-5CCT-WH-R 2700K.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 13:35:22
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-SPEX500_V1 SYSTEM
[MANUFAC] ENVISION LED LIGHTING
[LUMINAIRE] LED-DLJBX-1RG-7W-5CCT-WH-R 2700K

CHARACTERISTICS

Lumens Per Lamp	492.63 (1 lamp)
Total Lamp Lumens	492.63
Luminaire Lumens	493
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	7.41102
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.64
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	93230	92994	83899
55	43372	44207	41540
65	29594	29305	28293
75	22236	22252	21120
85	663	2185	14728

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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	812.170	812.170	812.170	812.170	812.170	812.170	812.170	812.170	812.170	812.170
1	811.170	807.970	805.300	802.950	801.890	802.160	803.880	806.800	811.230	815.090
2	809.410	802.240	795.620	791.290	789.410	790.070	794.370	800.640	809.020	815.500
3	805.500	795.000	784.430	777.420	773.630	775.630	783.460	793.160	805.590	814.190
4	799.480	785.470	770.840	761.300	756.570	758.750	769.440	783.780	799.820	811.590
5	792.190	773.360	755.640	743.550	738.050	740.960	754.150	772.130	791.990	806.410
6	782.400	760.040	739.090	725.690	718.880	722.130	737.000	758.090	782.390	798.120
7	770.880	744.970	720.880	705.760	698.270	701.760	719.560	742.770	769.870	788.110
8	756.340	727.510	701.490	684.740	677.800	681.580	700.470	726.590	756.340	774.710
9	739.650	707.600	680.220	663.530	656.490	660.880	681.090	709.300	740.830	760.290
10	720.190	687.090	658.130	642.020	634.730	639.130	660.450	690.650	723.060	743.620
11	699.230	664.780	635.460	619.900	612.800	618.330	639.540	669.380	703.660	724.730
12	677.060	642.050	611.950	597.240	591.610	596.770	617.160	647.330	680.440	703.410
13	653.030	618.140	588.470	574.400	570.070	575.720	594.450	623.510	655.550	678.110
14	627.480	594.120	565.000	552.200	548.920	554.140	570.940	598.600	627.930	649.320
15	601.390	569.530	541.990	530.010	527.970	531.780	547.270	572.870	600.320	619.050
16	574.670	545.460	518.990	508.700	506.720	509.460	523.180	545.740	570.710	587.850
17	547.800	521.090	496.860	487.680	485.330	487.330	498.320	517.420	540.700	555.740
18	521.360	497.330	475.560	466.650	463.890	464.850	473.970	489.390	510.130	522.810
19	494.380	473.850	454.340	445.420	442.160	442.810	449.530	462.140	479.180	489.770
20	467.760	450.420	433.150	424.660	421.130	420.360	426.030	435.070	449.150	457.040
21	442.100	428.260	412.040	404.370	399.760	397.400	402.180	408.440	419.710	425.860
22	416.480	405.690	390.730	384.140	379.260	374.220	378.560	382.440	390.950	396.060
23	392.330	383.370	369.240	363.870	358.530	351.010	354.520	356.320	362.850	366.700
24	368.490	360.310	347.520	343.170	336.960	327.790	330.300	329.850	335.320	338.450
25	344.370	336.960	325.380	321.690	314.660	304.060	304.580	303.040	308.260	310.940
26	319.860	313.320	303.600	299.770	292.190	280.920	278.860	276.050	280.240	281.750
27	295.140	289.940	282.490	278.200	269.600	258.650	255.010	250.370	253.620	253.600
28	271.830	267.640	262.460	257.630	248.290	237.550	231.170	224.560	227.010	226.270
29	249.290	245.970	241.990	236.710	226.980	216.180	206.920	198.300	201.000	200.350
30	227.770	224.300	222.130	216.680	206.120	192.740	181.710	173.420	177.160	176.100
31	204.590	202.200	201.800	196.410	184.060	168.500	156.170	151.850	157.070	156.010
32	179.460	179.890	180.000	174.710	161.960	145.080	135.900	134.220	139.440	139.170
33	155.530	156.640	156.040	152.730	139.940	123.930	117.640	118.180	125.000	124.950
34	134.470	135.310	133.510	130.460	118.220	107.610	102.550	105.840	111.830	111.940
35	115.940	114.860	113.380	109.630	100.670	91.317	89.804	93.528	99.570	98.987
36	102.550	99.678	98.502	93.961	86.917	79.109	78.948	82.132	87.194	86.030
37	89.179	86.484	83.653	81.202	74.576	69.544	70.029	71.602	74.740	74.277
38	78.073	75.684	73.060	70.630	65.542	61.236	61.440	60.867	63.277	61.687
39	68.792	66.502	63.949	62.176	57.780	53.790	52.654	52.011	53.118	52.148
40	60.979	59.301	56.666	55.147	51.102	46.749	45.897	44.343	44.715	42.921
41	53.309	52.755	50.252	48.793	44.861	40.607	39.580	38.261	37.809	37.047
42	45.946	45.558	44.225	42.632	39.085	35.668	34.964	33.622	32.570	31.378
43	39.588	40.171	38.875	37.506	34.472	31.736	31.282	30.022	28.656	27.410
44	34.669	34.962	34.424	33.122	30.722	28.669	28.246	26.997	25.398	24.260
45	30.814	31.490	30.736	29.676	27.730	26.034	25.640	24.363	22.754	21.404
46	27.638	28.208	27.701	26.768	25.183	23.720	23.380	21.987	20.123	18.992
47	24.922	25.534	25.097	24.285	22.958	21.616	21.121	19.955	18.269	17.251
48	22.483	23.169	22.718	22.133	20.738	19.674	19.180	18.133	16.615	15.709
49	20.237	20.809	20.646	19.984	18.843	17.881	17.406	16.510	15.243	14.418
50	18.248	18.855	18.712	18.153	17.136	16.220	15.841	15.194	14.109	13.405
51	16.488	17.017	16.967	16.434	15.512	14.713	14.505	14.051	13.141	12.568
52	14.904	15.340	15.347	14.867	14.082	13.513	13.357	13.021	12.260	11.810
53	13.566	13.887	13.904	13.527	12.929	12.472	12.331	12.091	11.464	11.053

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CANDELA TABULATION - (Cont.)

54	12.500	12.758	12.784	12.452	11.972	11.613	11.436	11.266	10.740	10.394
55	11.628	11.803	11.852	11.546	11.137	10.754	10.618	10.442	10.061	9.760
56	10.758	10.939	10.921	10.740	10.390	10.020	9.895	9.715	9.410	9.142
57	10.021	10.174	10.166	10.004	9.686	9.353	9.199	9.024	8.796	8.554
58	9.330	9.483	9.450	9.311	9.028	8.694	8.521	8.391	8.242	8.031
59	8.689	8.822	8.778	8.652	8.393	8.052	7.922	7.837	7.767	7.569
60	8.063	8.191	8.115	8.004	7.763	7.494	7.423	7.347	7.327	7.165
61	7.500	7.583	7.500	7.400	7.223	7.010	6.960	6.921	6.930	6.800
62	7.002	7.042	6.960	6.897	6.753	6.584	6.573	6.528	6.540	6.417
63	6.562	6.593	6.499	6.457	6.348	6.225	6.188	6.113	6.098	5.992
64	6.207	6.214	6.135	6.087	5.988	5.826	5.747	5.617	5.577	5.502
65	5.846	5.864	5.789	5.731	5.589	5.365	5.242	5.071	5.025	4.979
66	5.407	5.448	5.373	5.310	5.152	4.892	4.721	4.563	4.545	4.518
67	4.963	5.009	4.954	4.887	4.720	4.437	4.269	4.172	4.176	4.160
68	4.518	4.579	4.533	4.478	4.332	4.103	3.964	3.871	3.879	3.865
69	4.163	4.215	4.200	4.166	4.044	3.832	3.705	3.611	3.617	3.600
70	3.901	3.954	3.938	3.905	3.784	3.582	3.449	3.360	3.360	3.341
71	3.649	3.701	3.681	3.649	3.529	3.327	3.197	3.105	3.104	3.087
72	3.391	3.445	3.423	3.388	3.274	3.077	2.948	2.863	2.864	2.844
73	3.152	3.197	3.174	3.139	3.027	2.835	2.711	2.631	2.622	2.612
74	2.918	2.959	2.927	2.895	2.785	2.601	2.480	2.359	2.237	2.390
75	2.690	2.726	2.692	2.658	2.555	2.372	2.261	1.934	1.784	2.166
76	2.404	2.435	2.466	2.431	2.323	2.151	2.046	1.508	1.315	1.818
77	2.044	2.099	2.247	2.208	2.108	1.942	1.841	1.094	0.869	1.416
78	1.683	1.750	2.008	2.001	1.895	1.736	1.633	0.720	0.466	1.003
79	1.327	1.408	1.723	1.793	1.692	1.539	1.394	0.411	0.139	0.610
80	0.984	1.069	1.417	1.590	1.491	1.351	1.147	0.219	0.007	0.275
81	0.666	0.743	1.111	1.394	1.301	1.166	0.891	0.138	0.005	0.044
82	0.378	0.446	0.816	1.208	1.114	0.979	0.642	0.082	0.006	0.011
83	0.138	0.184	0.535	1.004	0.936	0.770	0.402	0.025	0.006	0.007
84	0.027	0.026	0.282	0.777	0.766	0.558	0.187	0.004	0.004	0.003
85	0.027	0.023	0.089	0.555	0.600	0.339	0.028	0.001	0.000	0.002
86	0.025	0.022	0.015	0.355	0.443	0.153	0.000	0.000	0.000	0.000
87	0.025	0.025	0.017	0.196	0.278	0.032	0.000	0.000	0.000	0.000
88	0.021	0.019	0.014	0.073	0.128	0.000	0.000	0.000	0.000	0.000
89	0.019	0.015	0.016	0.009	0.006	0.000	0.000	0.000	0.000	0.000
90	0.018	0.016	0.010	0.012	0.000	0.000	0.000	0.000	0.000	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	812.170	812.170	812.170	812.170	812.170	812.170	812.170
1	818.110	818.370	819.830	819.630	818.270	814.630	811.170
2	821.200	824.020	825.510	825.290	822.400	815.840	809.410
3	821.920	825.440	827.540	827.900	824.640	816.090	805.500
4	820.060	823.280	826.090	827.280	822.590	813.050	799.480
5	815.990	817.690	821.220	823.470	818.540	808.020	792.190
6	808.390	809.260	812.560	816.190	812.810	802.470	782.400
7	798.290	797.070	800.690	806.610	805.150	793.490	770.880
8	785.870	782.990	785.970	793.860	793.190	781.860	756.340
9	770.780	767.050	770.310	778.680	779.150	767.370	739.650
10	754.030	749.050	751.960	761.050	761.560	749.380	720.190
11	735.370	729.580	731.790	741.690	742.400	730.030	699.230
12	714.460	707.900	709.930	719.940	720.380	707.770	677.060
13	690.220	684.240	686.230	696.210	696.110	683.170	653.030
14	664.040	659.120	661.350	670.550	669.190	657.310	627.480

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CANDELA TABULATION - (Cont.)

15	636.190	632.300	635.150	643.120	641.490	629.760	601.390
16	606.080	603.920	607.230	614.830	613.320	601.550	574.670
17	575.160	574.410	577.470	586.750	584.990	571.970	547.800
18	542.640	544.260	547.680	557.680	554.970	542.470	521.360
19	510.790	513.840	517.820	528.600	524.920	513.370	494.380
20	478.280	483.660	488.310	498.650	495.330	485.210	467.760
21	446.690	454.050	459.720	468.300	466.240	457.550	442.100
22	414.700	424.400	431.050	438.330	437.510	430.090	416.480
23	384.200	395.350	402.430	408.900	410.660	403.310	392.330
24	353.650	366.080	373.970	380.270	384.350	377.350	368.490
25	324.740	336.670	344.450	351.540	357.750	351.170	344.370
26	294.970	305.090	314.370	323.380	330.420	324.810	319.860
27	266.580	274.740	284.210	295.760	303.390	298.950	295.140
28	238.800	245.660	255.150	269.930	278.610	275.200	271.830
29	211.040	217.040	226.380	244.190	254.270	252.260	249.290
30	186.270	190.770	199.450	218.440	229.700	229.320	227.770
31	163.840	166.040	173.300	192.470	203.430	205.250	204.590
32	143.720	145.650	151.500	168.240	177.940	179.850	179.460
33	127.440	127.840	132.140	146.850	156.140	156.350	155.530
34	113.750	112.550	115.960	128.310	137.070	135.930	134.470
35	100.940	99.239	102.470	112.980	120.170	118.260	115.940
36	87.893	85.949	89.016	99.622	107.390	103.890	102.550
37	74.735	73.971	77.113	87.815	94.683	91.737	89.179
38	62.669	61.858	66.455	76.715	83.785	81.171	78.073
39	51.807	50.830	54.457	65.604	72.747	71.949	68.792
40	43.384	42.727	46.475	55.599	62.622	63.064	60.979
41	36.716	36.042	39.014	47.083	53.695	54.502	53.309
42	31.383	31.216	33.846	40.237	45.251	46.667	45.946
43	27.213	27.274	29.625	34.948	38.973	39.883	39.588
44	24.127	23.957	26.101	30.549	33.702	34.521	34.669
45	21.042	21.310	23.063	26.909	29.456	30.438	30.814
46	18.787	18.941	20.606	23.980	26.050	27.118	27.638
47	16.897	17.089	18.425	21.058	23.017	24.282	24.922
48	15.307	15.472	16.565	18.854	20.389	21.830	22.483
49	14.079	14.148	15.097	16.918	18.272	19.379	20.237
50	13.131	13.156	13.936	15.290	16.423	17.467	18.248
51	12.346	12.326	12.947	13.983	14.828	15.778	16.488
52	11.611	11.583	12.109	12.961	13.602	14.343	14.904
53	10.937	10.842	11.348	12.075	12.595	13.175	13.566
54	10.286	10.179	10.587	11.282	11.767	12.211	12.500
55	9.660	9.544	9.899	10.545	10.941	11.353	11.628
56	9.049	8.920	9.240	9.864	10.220	10.583	10.758
57	8.452	8.320	8.616	9.194	9.546	9.866	10.021
58	7.924	7.785	8.021	8.533	8.893	9.194	9.330
59	7.469	7.321	7.519	7.926	8.272	8.548	8.689
60	7.038	6.892	7.057	7.384	7.685	7.946	8.063
61	6.659	6.524	6.660	6.905	7.181	7.406	7.500
62	6.293	6.173	6.301	6.518	6.722	6.936	7.002
63	5.899	5.805	5.949	6.179	6.352	6.519	6.562
64	5.455	5.394	5.543	5.824	6.001	6.166	6.207
65	4.989	4.944	5.105	5.411	5.620	5.803	5.846
66	4.542	4.509	4.661	4.960	5.182	5.376	5.407
67	4.201	4.185	4.312	4.514	4.716	4.904	4.963
68	3.889	3.873	3.984	4.160	4.290	4.452	4.518
69	3.628	3.610	3.714	3.857	3.972	4.099	4.163
70	3.365	3.352	3.453	3.604	3.715	3.835	3.901

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CANDELA TABULATION - (Cont.)

71	3.108	3.104	3.204	3.345	3.463	3.586	3.649
72	2.867	2.861	2.960	3.104	3.218	3.338	3.391
73	2.632	2.632	2.732	2.869	2.980	3.098	3.152
74	2.408	2.409	2.509	2.644	2.755	2.866	2.918
75	2.193	2.194	2.292	2.424	2.535	2.641	2.690
76	1.989	1.989	2.087	2.217	2.321	2.418	2.404
77	1.789	1.796	1.891	2.015	2.116	2.132	2.044
78	1.598	1.607	1.698	1.820	1.919	1.811	1.683
79	1.403	1.426	1.515	1.634	1.684	1.481	1.327
80	1.179	1.254	1.340	1.453	1.416	1.152	0.984
81	0.936	1.085	1.168	1.278	1.143	0.836	0.666
82	0.709	0.928	1.007	1.110	0.863	0.535	0.378
83	0.489	0.756	0.851	0.937	0.593	0.258	0.138
84	0.273	0.567	0.699	0.736	0.343	0.049	0.027
85	0.066	0.366	0.554	0.527	0.128	0.019	0.027
86	0.000	0.181	0.416	0.332	0.020	0.023	0.025
87	0.000	0.032	0.279	0.175	0.016	0.023	0.025
88	0.000	0.001	0.141	0.060	0.017	0.021	0.021
89	0.000	0.000	0.011	0.012	0.017	0.018	0.019
90	0.000	0.000	0.010	0.012	0.014	0.016	0.018

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	235.40	47.80	47.80
0-30	383.58	77.90	77.90
0-40	452.65	91.90	91.90
0-60	484.42	98.30	98.30
0-80	492.27	99.90	99.90
0-90	492.63	100.00	100.00
10-90	420.12	85.30	85.30
20-40	217.26	44.10	44.10
20-50	239.19	48.60	48.60
40-70	37.13	7.50	7.50
60-80	7.85	1.60	1.60
70-80	2.49	0.50	0.50
80-90	0.36	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	492.63	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	72.51
10-20	162.88
20-30	148.18
30-40	69.08
40-50	21.93
50-60	9.84
60-70	5.36
70-80	2.49
80-90	0.36
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 2700K.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	109	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	88	85	88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	72
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65
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	64	60	68	63	60	67	63	60	66	62	59	58
10	75	66	61	57	74	66	60	57	65	60	57	64	60	57	63	59	56	55

IES INDOOR REPORT
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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	17.3	18.3	17.7	18.7	19.0	17.1	18.1	17.5	18.4	18.7
	3H	18.3	19.2	18.7	19.5	19.9	18.0	18.9	18.4	19.3	19.6
	4H	18.7	19.5	19.1	19.8	20.2	18.4	19.2	18.8	19.6	20.0
	6H	18.8	19.5	19.2	19.9	20.3	18.6	19.4	19.1	19.8	20.2
	8H	18.8	19.5	19.2	19.9	20.3	18.7	19.4	19.2	19.8	20.2
	12H	18.7	19.4	19.2	19.8	20.2	18.7	19.4	19.2	19.8	20.2

UGR Viewed Endwise

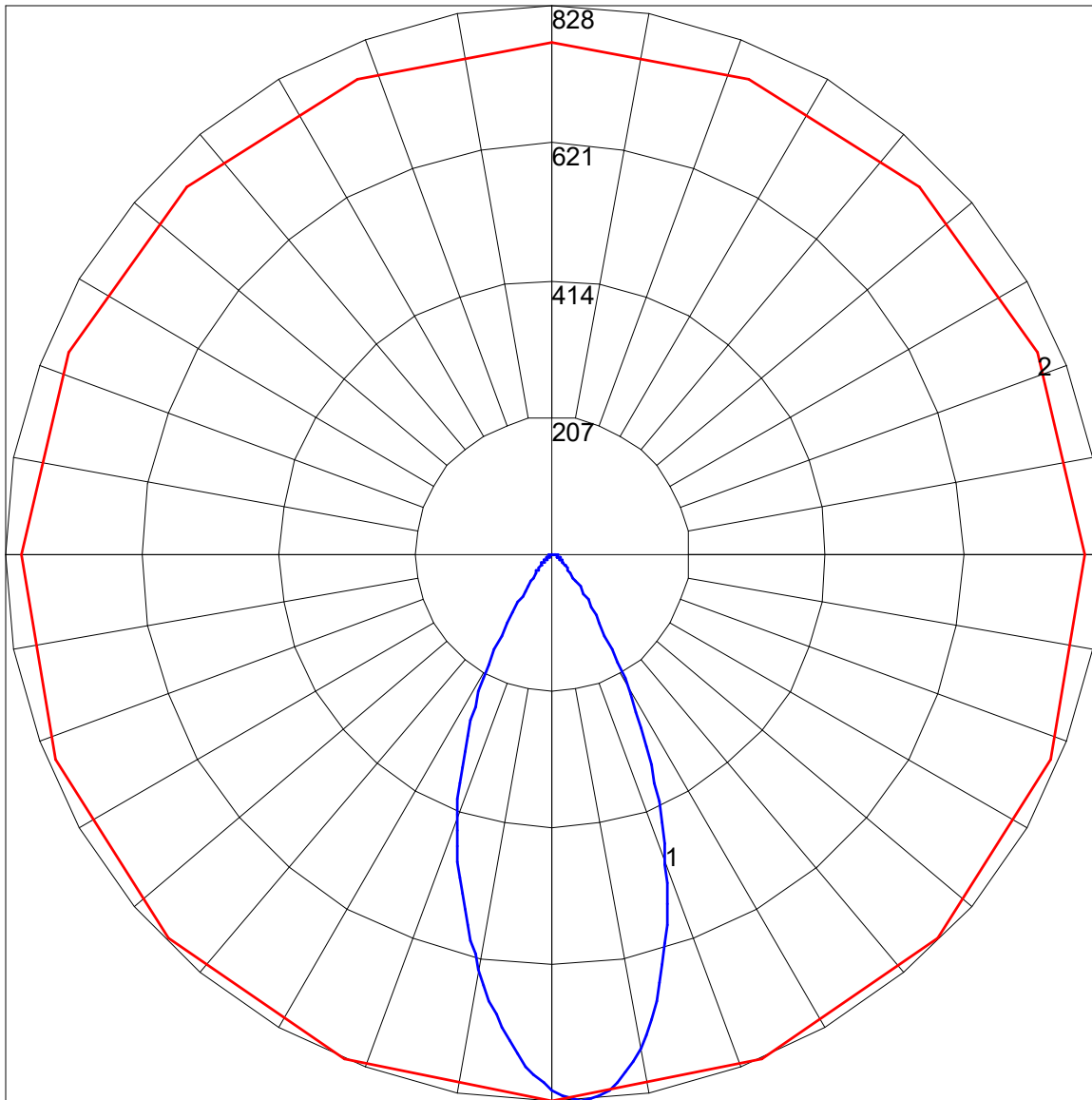
4H	2H	17.6	18.4	18.0	18.8	19.2	17.4	18.2	17.8	18.5	18.9
	3H	18.7	19.4	19.2	19.8	20.2	18.5	19.2	18.9	19.6	20.0
	4H	19.2	19.8	19.7	20.2	20.7	19.0	19.5	19.4	20.0	20.4
	6H	19.4	19.9	19.9	20.4	20.9	19.3	19.8	19.8	20.3	20.7
	8H	19.4	19.9	19.9	20.3	20.8	19.4	19.9	19.9	20.3	20.8
	12H	19.3	19.7	19.8	20.2	20.7	19.4	19.9	19.9	20.3	20.8

8H	4H	19.3	19.8	19.8	20.2	20.7	19.0	19.5	19.5	20.0	20.4
	6H	19.6	20.0	20.1	20.5	21.0	19.5	19.9	20.0	20.4	20.8
	8H	19.6	19.9	20.1	20.4	20.9	19.6	20.0	20.2	20.5	21.0
	12H	19.5	19.8	20.0	20.3	20.9	19.7	20.0	20.3	20.5	21.1

12H	4H	19.3	19.7	19.8	20.2	20.7	19.0	19.4	19.5	19.9	20.4
	6H	19.6	19.9	20.1	20.4	20.9	19.5	19.8	20.0	20.3	20.8
	8H	19.6	19.9	20.1	20.4	20.9	19.6	19.9	20.2	20.4	21.0

Maximum UGR = 21.1

POLAR GRAPH



Maximum Candela = 827.9 Located At Horizontal Angle = 292.5, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (292.5 - 112.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)