

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LED-DLJBX-1RG-7W-5CCT-WH-R 4000K.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 14:08:53
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-SPEX500_V1 SYSTEM
[MANUFAC] ENVISION LED LIGHTING
[LUMINAIRE] LED-DLJBX-1RG-7W-5CCT-WH-R 4000K

CHARACTERISTICS

Lumens Per Lamp	559.14 (1 lamp)
Total Lamp Lumens	559.14
Luminaire Lumens	559
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	7.00886
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.70
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	104083	108836	100900
55	50410	51499	48597
65	34722	34560	33492
75	26038	26212	24823
85	933	4148	17207

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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	873.610	873.610	873.610	873.610	873.610	873.610	873.610	873.610	873.610	873.610
1	873.170	873.040	872.010	874.220	873.090	874.440	874.890	872.750	873.390	873.470
2	870.170	869.400	868.690	872.560	871.400	870.380	872.460	869.140	869.610	871.110
3	864.350	864.530	864.150	868.950	868.060	865.890	868.120	864.580	865.450	866.960
4	857.010	856.410	856.670	862.050	860.310	858.330	859.420	856.490	858.870	861.060
5	846.290	844.870	846.500	852.430	850.420	848.680	848.780	847.040	849.560	852.500
6	833.420	831.840	833.720	839.400	838.050	835.860	835.870	833.990	837.870	842.370
7	819.510	816.760	816.860	823.470	822.520	819.340	820.500	819.630	825.590	830.190
8	801.810	798.930	799.360	806.410	804.270	801.200	803.290	802.930	809.660	817.030
9	783.710	779.490	777.920	785.720	781.830	781.940	784.080	784.430	792.630	801.890
10	762.790	756.730	754.360	762.190	759.490	758.810	761.220	764.830	774.720	785.890
11	740.990	733.550	729.910	737.390	736.050	734.480	737.810	742.250	754.740	768.560
12	718.380	709.300	704.630	710.710	709.980	708.470	712.960	718.250	731.720	748.910
13	694.010	683.730	676.710	683.160	683.610	681.960	685.960	693.380	709.040	726.440
14	669.310	658.040	649.380	655.270	656.390	653.950	657.750	666.790	683.130	700.160
15	644.350	632.140	621.600	627.270	628.140	625.380	629.430	639.420	655.260	673.120
16	617.900	605.970	594.490	599.170	599.790	596.880	599.300	609.350	627.900	643.670
17	593.100	579.150	568.350	572.990	571.380	566.900	569.180	578.400	598.020	614.090
18	567.380	553.280	544.380	546.580	544.390	537.370	539.700	548.570	567.640	582.480
19	541.880	528.520	518.850	520.170	516.370	509.870	510.500	517.930	536.520	550.470
20	516.710	503.330	493.110	494.030	488.690	481.670	482.740	488.310	505.920	518.530
21	491.580	480.020	468.240	469.170	461.740	453.870	455.830	459.950	476.130	485.680
22	467.000	456.700	443.270	444.360	436.260	426.850	428.730	431.510	445.250	454.900
23	442.680	432.090	418.770	419.360	410.420	399.610	401.230	403.390	414.660	424.370
24	418.200	407.250	394.180	395.040	385.850	372.690	374.320	373.950	383.860	392.540
25	392.130	382.300	369.970	370.700	359.360	346.440	345.410	343.770	353.100	361.840
26	366.600	356.910	346.300	345.730	334.220	321.370	316.990	314.050	320.670	328.000
27	339.080	331.360	323.450	320.860	309.420	297.230	290.490	286.370	289.430	295.040
28	312.820	307.470	301.670	297.160	286.140	274.550	265.370	257.670	259.210	262.750
29	287.290	283.480	279.260	275.220	262.400	250.550	237.760	228.260	228.990	231.560
30	262.600	259.790	257.420	251.410	236.740	223.710	210.150	199.400	200.990	202.820
31	236.530	235.450	234.700	227.570	211.060	195.410	182.180	173.780	175.730	177.830
32	209.000	211.080	208.890	201.160	184.060	168.490	158.900	152.070	153.320	156.850
33	181.740	184.420	181.480	175.200	159.250	145.630	138.090	133.160	135.500	138.920
34	156.000	158.480	155.190	150.650	137.170	126.730	121.020	116.040	119.420	123.030
35	132.680	133.810	132.200	128.830	119.310	110.520	106.590	103.360	105.470	108.230
36	113.320	114.790	112.670	112.690	105.210	98.645	94.403	90.741	91.484	93.597
37	99.294	98.889	99.352	98.045	92.215	86.808	84.084	78.573	78.179	80.661
38	85.298	86.385	86.120	86.596	81.867	77.179	73.233	66.995	66.197	66.953
39	74.861	75.770	75.721	76.576	72.708	67.861	62.643	56.901	55.390	56.322
40	65.938	67.379	67.216	68.367	64.628	58.385	54.186	48.616	46.896	46.767
41	57.822	59.792	59.706	60.577	56.072	50.354	46.557	42.124	40.102	40.537
42	50.040	51.808	52.390	52.578	48.511	43.858	40.948	37.112	35.033	34.584
43	43.417	45.693	45.911	45.973	42.285	38.623	36.517	33.302	31.242	30.611
44	38.380	39.911	40.423	40.290	37.345	34.591	32.838	30.042	27.956	27.243
45	34.401	35.939	35.972	35.886	33.349	31.176	29.572	27.116	25.174	24.215
46	31.044	32.260	32.379	32.160	30.095	28.160	26.709	24.525	22.904	21.795
47	28.146	29.239	29.275	28.932	27.226	25.509	24.334	22.378	20.636	19.845
48	25.513	26.448	26.467	26.152	24.665	23.161	22.105	20.350	18.824	18.148
49	23.125	23.998	24.012	23.896	22.362	20.933	19.884	18.614	17.335	16.687
50	20.973	21.819	21.780	21.640	20.064	18.966	18.155	17.174	16.100	15.596
51	19.051	19.646	19.722	19.385	18.174	17.258	16.674	15.979	15.023	14.670
52	17.221	17.753	17.832	17.525	16.519	15.821	15.392	14.844	14.062	13.805
53	15.765	16.121	16.250	15.981	15.131	14.598	14.237	13.814	13.201	13.003

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CANDELA TABULATION - (Cont.)

54	14.570	14.845	14.926	14.705	14.014	13.557	13.228	12.873	12.378	12.223
55	13.515	13.724	13.807	13.649	13.029	12.628	12.299	12.031	11.630	11.493
56	12.579	12.783	12.810	12.709	12.151	11.782	11.453	11.171	10.918	10.764
57	11.742	11.881	11.931	11.837	11.348	10.937	10.652	10.405	10.215	10.078
58	10.906	11.068	11.053	11.017	10.591	10.187	9.902	9.696	9.603	9.467
59	10.169	10.315	10.281	10.238	9.851	9.453	9.239	9.090	9.059	8.921
60	9.458	9.585	9.517	9.473	9.137	8.824	8.666	8.531	8.550	8.456
61	8.800	8.876	8.812	8.797	8.514	8.271	8.134	8.056	8.093	8.022
62	8.215	8.248	8.197	8.204	7.981	7.785	7.686	7.592	7.636	7.596
63	7.698	7.722	7.657	7.694	7.519	7.359	7.225	7.105	7.135	7.095
64	7.282	7.269	7.237	7.265	7.096	6.874	6.709	6.519	6.547	6.520
65	6.859	6.869	6.827	6.843	6.616	6.322	6.131	5.891	5.907	5.910
66	6.359	6.384	6.334	6.348	6.093	5.756	5.518	5.327	5.356	5.362
67	5.832	5.865	5.828	5.835	5.574	5.221	5.010	4.878	4.912	4.934
68	5.317	5.364	5.339	5.332	5.103	4.837	4.653	4.536	4.560	4.575
69	4.893	4.945	4.946	4.962	4.766	4.522	4.349	4.232	4.253	4.264
70	4.576	4.633	4.640	4.651	4.472	4.223	4.044	3.930	3.947	3.954
71	4.282	4.340	4.335	4.342	4.162	3.917	3.737	3.627	3.648	3.656
72	3.983	4.037	4.033	4.036	3.861	3.618	3.448	3.338	3.361	3.364
73	3.693	3.750	3.736	3.739	3.570	3.336	3.165	3.064	3.082	3.094
74	3.419	3.463	3.455	3.450	3.276	3.057	2.897	2.681	2.661	2.826
75	3.150	3.190	3.171	3.170	3.003	2.791	2.638	2.157	2.126	2.575
76	2.806	2.874	2.901	2.894	2.740	2.528	2.390	1.626	1.583	2.239
77	2.391	2.490	2.640	2.626	2.480	2.284	2.144	1.125	1.063	1.792
78	1.966	2.088	2.390	2.373	2.230	2.039	1.882	0.677	0.584	1.311
79	1.549	1.686	2.080	2.128	1.989	1.803	1.581	0.308	0.194	0.865
80	1.151	1.291	1.737	1.886	1.756	1.580	1.275	0.112	0.015	0.477
81	0.777	0.912	1.382	1.653	1.527	1.363	0.975	0.067	0.012	0.188
82	0.442	0.566	1.036	1.435	1.312	1.119	0.694	0.034	0.009	0.091
83	0.160	0.259	0.706	1.217	1.100	0.858	0.419	0.010	0.009	0.048
84	0.038	0.049	0.408	0.976	0.894	0.595	0.175	0.006	0.007	0.014
85	0.038	0.030	0.169	0.726	0.701	0.340	0.019	0.000	0.004	0.007
86	0.039	0.034	0.029	0.493	0.510	0.127	0.003	0.003	0.000	0.006
87	0.033	0.031	0.023	0.296	0.315	0.012	0.002	0.000	0.000	0.002
88	0.032	0.033	0.024	0.133	0.142	0.000	0.000	0.000	0.000	0.006
89	0.027	0.030	0.021	0.018	0.013	0.002	0.000	0.004	0.000	0.002
90	0.031	0.026	0.026	0.023	0.006	0.000	0.000	0.000	0.003	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	873.610	873.610	873.610	873.610	873.610	873.610	873.610
1	871.890	872.360	871.840	871.890	872.490	872.530	873.170
2	870.490	870.180	869.610	869.840	871.090	869.390	870.170
3	866.830	867.800	867.830	867.380	868.000	864.720	864.350
4	862.370	864.490	863.480	862.430	861.530	857.720	857.010
5	856.290	859.210	859.140	858.620	853.530	848.310	846.290
6	848.720	851.790	851.760	851.510	845.060	838.090	833.420
7	837.250	843.670	842.770	841.840	834.240	825.790	819.510
8	825.370	831.910	832.970	832.040	822.550	810.410	801.810
9	813.330	821.580	822.040	819.260	807.210	793.230	783.710
10	799.540	808.030	809.690	804.770	790.520	774.500	762.790
11	785.440	795.470	795.790	789.890	772.340	754.550	740.990
12	768.990	780.330	780.410	773.630	753.460	733.820	718.380
13	749.290	762.060	762.200	753.800	732.020	710.880	694.010
14	726.650	740.970	741.450	732.640	708.290	687.110	669.310

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CANDELA TABULATION - (Cont.)

15	701.890	716.870	717.080	708.740	684.660	662.030	644.350
16	674.280	688.180	690.080	682.640	660.710	637.020	617.900
17	644.920	659.080	661.010	656.000	634.860	611.000	593.100
18	614.640	627.660	630.350	627.220	607.730	585.860	567.380
19	582.060	595.340	598.680	598.550	579.980	560.140	541.880
20	548.990	562.000	566.450	568.410	551.470	534.020	516.710
21	514.770	529.180	533.770	537.110	523.350	508.210	491.580
22	480.440	495.740	501.420	505.660	494.730	481.940	467.000
23	446.610	462.620	469.120	474.090	467.010	455.550	442.680
24	413.350	429.200	436.940	443.760	439.910	429.230	418.200
25	380.930	395.680	404.530	413.020	411.820	401.840	392.130
26	346.930	359.810	370.190	382.140	381.260	373.870	366.600
27	313.150	324.210	335.700	350.430	351.270	346.160	339.080
28	280.980	290.220	302.650	320.630	322.700	319.560	312.820
29	250.160	256.910	268.910	290.040	294.890	293.260	287.290
30	219.390	227.320	238.560	259.450	265.860	267.610	262.600
31	193.960	200.090	209.890	228.900	235.200	239.000	236.530
32	170.690	178.300	186.530	201.800	205.620	210.390	209.000
33	151.120	158.800	166.120	178.210	180.290	181.430	181.740
34	135.350	142.040	148.080	157.410	157.710	156.010	156.000
35	119.390	126.380	132.200	139.530	138.150	134.700	132.680
36	104.160	110.330	116.520	123.770	122.160	116.020	113.320
37	89.515	95.645	102.380	110.010	108.710	101.060	99.294
38	75.074	80.958	88.259	95.982	95.302	88.362	85.298
39	62.190	67.452	73.890	82.633	83.247	77.724	74.861
40	51.944	56.065	62.480	70.701	71.790	67.995	65.938
41	43.854	46.950	51.780	59.730	62.218	58.917	57.822
42	37.188	39.673	44.103	50.727	52.188	50.834	50.040
43	32.251	34.343	37.867	43.361	45.391	43.718	43.417
44	28.199	29.739	32.921	37.567	39.000	38.195	38.380
45	24.893	26.122	28.854	32.793	34.274	34.020	34.401
46	22.430	23.170	25.350	28.899	30.429	30.554	31.044
47	19.971	20.764	22.583	25.646	27.034	27.614	28.146
48	18.143	18.792	20.375	23.050	24.041	24.917	25.513
49	16.725	17.209	18.530	20.454	21.604	22.625	23.125
50	15.611	15.975	17.038	18.502	19.512	20.339	20.973
51	14.660	14.974	15.798	16.926	17.706	18.442	19.051
52	13.800	14.049	14.767	15.689	16.277	16.795	17.221
53	13.016	13.195	13.797	14.648	15.086	15.478	15.765
54	12.262	12.398	12.930	13.694	14.096	14.367	14.570
55	11.523	11.631	12.123	12.820	13.169	13.397	13.515
56	10.798	10.863	11.340	11.999	12.324	12.492	12.579
57	10.110	10.135	10.556	11.200	11.526	11.673	11.742
58	9.469	9.480	9.828	10.432	10.729	10.886	10.906
59	8.910	8.917	9.206	9.686	10.005	10.143	10.169
60	8.401	8.405	8.647	9.020	9.296	9.427	9.458
61	7.962	7.953	8.148	8.441	8.695	8.797	8.800
62	7.522	7.523	7.712	7.954	8.136	8.233	8.215
63	7.064	7.088	7.297	7.528	7.671	7.736	7.698
64	6.544	6.572	6.814	7.110	7.246	7.310	7.282
65	5.983	6.026	6.260	6.624	6.815	6.879	6.859
66	5.449	5.460	5.694	6.072	6.277	6.377	6.359
67	5.024	5.051	5.206	5.473	5.691	5.819	5.832
68	4.643	4.664	4.798	4.999	5.141	5.282	5.317
69	4.324	4.344	4.478	4.626	4.741	4.844	4.893
70	4.013	4.034	4.160	4.321	4.433	4.530	4.576

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CANDELA TABULATION - (Cont.)

71	3.711	3.730	3.859	4.019	4.130	4.232	4.282
72	3.417	3.439	3.568	3.720	3.836	3.936	3.983
73	3.138	3.165	3.290	3.443	3.558	3.653	3.693
74	2.871	2.900	3.024	3.169	3.288	3.379	3.419
75	2.611	2.644	2.769	2.918	3.024	3.121	3.150
76	2.371	2.401	2.520	2.667	2.772	2.852	2.806
77	2.130	2.171	2.283	2.429	2.530	2.499	2.391
78	1.906	1.937	2.058	2.195	2.283	2.118	1.966
79	1.689	1.727	1.837	1.973	1.975	1.721	1.549
80	1.451	1.514	1.628	1.753	1.644	1.331	1.151
81	1.186	1.317	1.424	1.546	1.300	0.958	0.777
82	0.916	1.124	1.228	1.344	0.963	0.601	0.442
83	0.642	0.938	1.038	1.098	0.639	0.287	0.160
84	0.380	0.732	0.864	0.836	0.340	0.053	0.038
85	0.130	0.502	0.690	0.576	0.098	0.031	0.038
86	0.003	0.277	0.524	0.336	0.022	0.035	0.039
87	0.001	0.088	0.360	0.154	0.022	0.033	0.033
88	0.003	0.003	0.199	0.039	0.024	0.029	0.032
89	0.002	0.000	0.021	0.020	0.027	0.028	0.027
90	0.001	0.002	0.018	0.024	0.022	0.025	0.031

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	260.88	46.70	46.70
0-30	431.26	77.10	77.10
0-40	512.08	91.60	91.60
0-60	549.39	98.30	98.30
0-80	558.70	99.90	99.90
0-90	559.14	100.00	100.00
10-90	480.26	85.90	85.90
20-40	251.20	44.90	44.90
20-50	276.91	49.50	49.50
40-70	43.68	7.80	7.80
60-80	9.31	1.70	1.70
70-80	2.94	0.50	0.50
80-90	0.44	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	559.14	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	78.88
10-20	182.00
20-30	170.38
30-40	80.82
40-50	25.71
50-60	11.60
60-70	6.37
70-80	2.94
80-90	0.44
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 4000K.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	96	95	94
2	108	103	99	96	106	102	98	95	98	96	93	96	93	91	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	81	75	71	88	80	75	71	78	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	63	59	67	62	59	66	62	59	57
10	75	66	60	56	74	65	60	56	64	59	56	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	18.1	19.1	18.4	19.4	19.7	UGR Viewed Endwise			
	3H	19.0	19.9	19.4	20.2	20.6	17.8	18.8	18.2	19.2
	4H	19.4	20.2	19.8	20.6	21.0	18.8	19.7	19.2	20.0
	6H	19.5	20.3	20.0	20.7	21.1	19.1	20.0	19.6	20.3
	8H	19.5	20.2	20.0	20.6	21.0	19.4	20.1	19.8	20.5
	12H	19.4	20.1	19.9	20.5	20.9	19.5	20.2	19.9	20.6

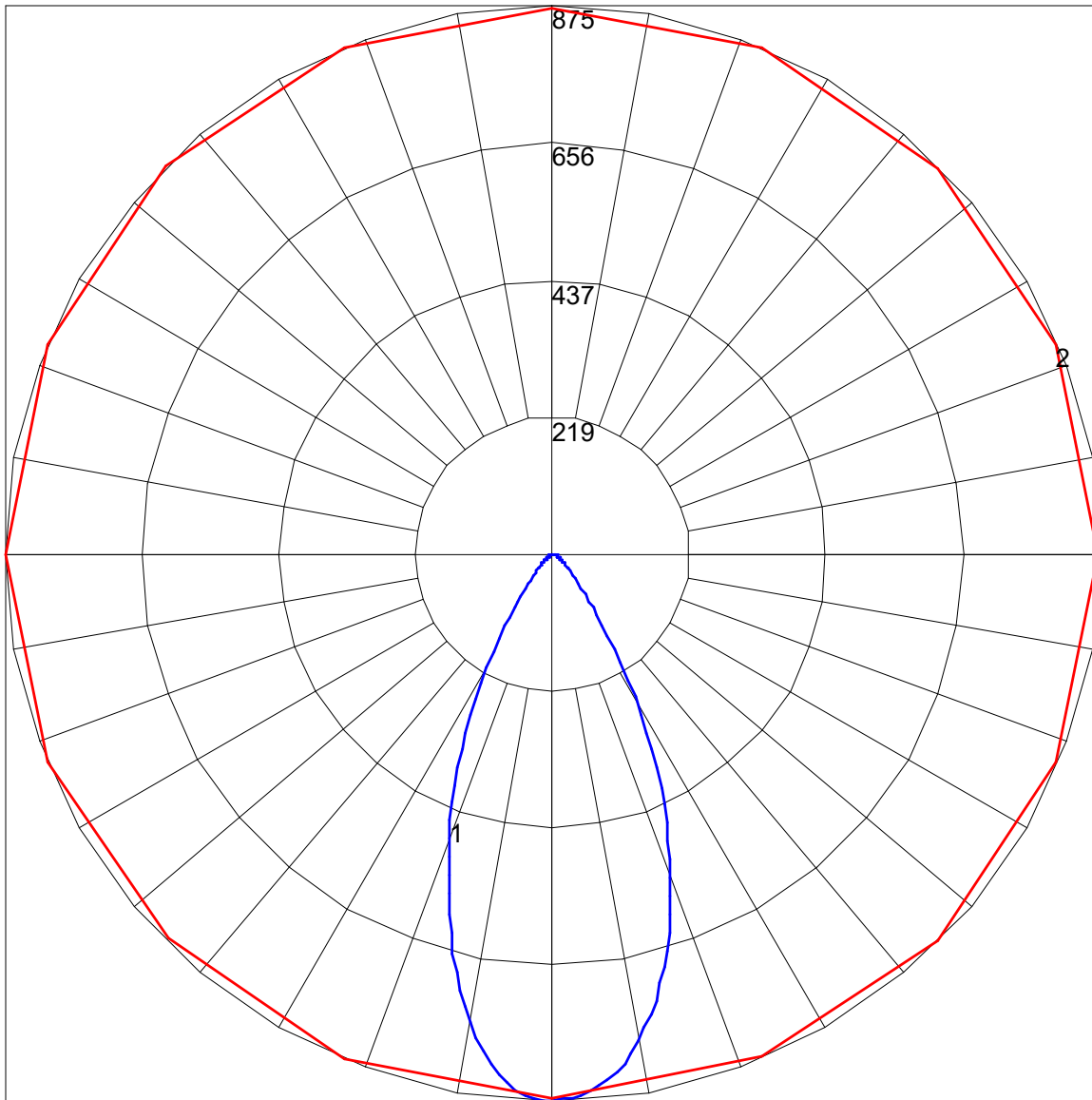
4H	2H	18.3	19.2	18.7	19.5	19.9	17.8	18.8	18.2	19.2
	3H	19.5	20.2	19.9	20.6	21.0	18.8	19.7	19.2	20.0
	4H	20.0	20.6	20.4	21.0	21.4	19.1	20.0	19.6	20.3
	6H	20.2	20.7	20.7	21.1	21.6	19.4	20.1	19.8	20.5
	8H	20.1	20.6	20.6	21.1	21.5	19.5	20.2	19.9	20.6
	12H	20.1	20.5	20.6	21.0	21.5	19.5	20.1	19.9	20.5

8H	4H	20.1	20.5	20.5	21.0	21.5	19.4	20.1	19.8	20.5
	6H	20.3	20.7	20.9	21.2	21.7	19.5	20.2	19.9	20.6
	8H	20.3	20.6	20.8	21.2	21.7	19.4	20.1	19.8	20.5
	12H	20.3	20.6	20.8	21.1	21.6	19.5	20.2	19.9	20.6

12H	4H	20.0	20.5	20.5	20.9	21.4	19.4	20.1	19.8	20.5
	6H	20.3	20.7	20.9	21.1	21.7	19.5	20.2	19.9	20.6
	8H	20.3	20.6	20.9	21.1	21.7	19.4	20.1	19.8	20.5

Maximum UGR = 21.9

POLAR GRAPH



Maximum Candela = 874.89 Located At Horizontal Angle = 135, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (135 - 315) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)