

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : C-P69F4-50-DB-L\_C-P69F4-50-DB-W\_50W\_5000K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995

[TEST] 20260319010

[TESTLAB] EVERFINE

[TESTDATE] 2026-03-19

[ISSUEDATE] 2026-03-19 13:44:13

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-2000B\_V1 SYSTEM

[MANUFAC] BELUCE CANADA INC.

[LUMINAIRE] 50W 5000K C-P69F4-50-DB-L / C-P69F4-50-DB-W

[LAMP] 2835 14\*30

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	181.31	181.31	2.55	2.55
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[OTHER]	10- 20	519.23	700.54	9.84	9.84
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[OTHER]	20- 30	788.77	1489.31	20.91	20.91
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[OTHER]	30- 40	958.75	2448.06	34.38	34.38
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[OTHER]	40- 50	1015.39	3463.45	48.64	48.64
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[OTHER]	50- 60	963.30	4426.75	62.17	62.17
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[OTHER]	60- 70	824.08	5250.82	73.74	73.74
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[OTHER]	70- 80	633.33	5884.15	82.63	82.63
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[OTHER]	80- 90	439.51	6323.66	88.80	88.80
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[OTHER]	90-100	296.44	6620.10	92.97	92.97
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[OTHER]	100-110	193.78	6813.89	95.69	95.69
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[OTHER]	110-120	122.16	6936.05	97.40	97.40
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[OTHER]	120-130	74.59	7010.64	98.45	98.45
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[OTHER]	130-140	45.14	7055.78	99.09	99.09
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[OTHER]	140-150	29.01	7084.79	99.49	99.49
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[OTHER]	150-160	19.69	7104.48	99.77	99.77
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[OTHER]	160-170	12.16	7116.64	99.94	99.94
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[OTHER]	170-180	4.22	7120.86	100.00	100.00
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[OTHER]

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### CHARACTERISTICS

Lumens Per Lamp	7120.9 (1 lamp)
Total Lamp Lumens	7120.9
Luminaire Lumens	7121
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	47.2
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.07 m
Luminous Width (90-270)	1.20 m
Luminous Height	0.07 m

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9767	11858	21789
55	7523	9966	22355
65	5274	8211	23971
75	2928	6627	28601
85	730	5320	47269

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## CANDELA TABULATION

	<u>0</u>	<u>30</u>	<u>60</u>	<u>90</u>	<u>120</u>	<u>150</u>	<u>180</u>	<u>210</u>	<u>240</u>	<u>270</u>
0.0	1916.700	1916.700	1916.700	1916.700	1916.700	1916.700	1916.700	1916.700	1916.700	1916.700
2.5	1908.800	1904.200	1904.200	1916.600	1913.700	1914.700	1916.100	1917.100	1917.900	1927.200
5.0	1897.300	1890.700	1891.600	1905.900	1904.600	1908.200	1911.700	1916.300	1918.900	1927.400
7.5	1881.000	1872.400	1875.500	1892.100	1891.600	1896.600	1902.200	1910.400	1915.900	1924.200
10.0	1859.900	1849.800	1855.700	1875.200	1875.200	1880.700	1887.400	1900.000	1908.800	1916.100
12.5	1833.500	1823.000	1832.500	1853.500	1855.200	1859.800	1867.400	1884.400	1897.700	1904.400
15.0	1802.900	1792.100	1806.000	1829.700	1831.600	1834.600	1842.300	1864.400	1882.700	1890.500
17.5	1767.000	1757.100	1775.700	1803.300	1804.900	1804.900	1812.100	1839.700	1864.000	1873.800
20.0	1727.800	1718.300	1743.000	1774.600	1775.100	1771.500	1777.700	1810.800	1842.100	1854.200
22.5	1684.600	1676.200	1707.400	1744.400	1742.300	1735.000	1739.000	1778.500	1816.600	1832.000
25.0	1638.100	1631.000	1669.600	1711.200	1705.800	1693.900	1695.300	1741.400	1787.500	1806.800
27.5	1587.700	1582.600	1628.800	1675.600	1667.600	1649.100	1648.300	1700.500	1755.800	1778.800
30.0	1534.400	1530.700	1585.400	1637.200	1626.900	1600.300	1598.100	1655.400	1721.200	1747.600
32.5	1477.600	1476.700	1539.700	1596.900	1583.900	1548.500	1544.100	1606.700	1683.900	1714.400
35.0	1418.600	1419.800	1492.500	1554.800	1537.200	1493.900	1485.000	1555.000	1642.500	1678.200
37.5	1357.900	1360.900	1443.800	1510.800	1489.300	1436.800	1423.900	1500.600	1599.400	1639.800
40.0	1293.600	1300.500	1392.900	1465.500	1439.600	1377.800	1360.500	1443.800	1553.900	1599.000
42.5	1228.500	1239.100	1341.200	1418.200	1388.200	1316.200	1293.700	1384.400	1506.100	1556.400
45.0	1160.700	1176.300	1287.600	1370.300	1335.700	1253.600	1225.400	1323.300	1456.600	1511.700
47.5	1093.200	1111.900	1234.300	1320.600	1282.200	1188.800	1155.100	1259.700	1405.700	1465.100
50.0	1023.500	1047.800	1179.500	1270.300	1228.000	1123.600	1083.500	1195.600	1353.300	1417.000
52.5	952.820	982.830	1124.700	1219.000	1172.600	1057.200	1008.900	1129.400	1298.900	1367.400
55.0	880.520	918.440	1069.200	1167.300	1116.500	990.650	933.350	1062.900	1243.800	1317.000
57.5	807.350	853.620	1013.800	1114.600	1060.300	923.350	855.960	995.120	1187.700	1264.800
60.0	734.140	790.000	959.510	1062.200	1004.600	856.500	778.520	927.750	1131.500	1212.200
62.5	661.810	727.030	906.240	1010.100	949.010	791.530	699.570	861.680	1074.800	1159.100
65.0	588.940	665.590	853.580	957.810	894.790	726.310	621.150	794.460	1019.000	1105.500
67.5	516.100	606.260	801.490	906.810	841.050	663.570	542.360	729.530	962.980	1052.000
70.0	443.370	548.470	750.670	855.950	788.700	601.970	464.160	665.270	907.860	998.450
72.5	371.480	493.320	701.420	806.270	737.130	543.320	386.120	603.450	853.080	945.100
75.0	301.350	440.010	653.360	757.510	687.170	486.850	309.770	543.630	799.190	891.790
77.5	234.230	391.460	607.280	710.260	638.790	433.670	237.060	486.910	746.440	840.820
80.0	169.120	344.970	562.740	663.970	592.260	383.670	168.500	432.790	695.240	789.300
82.5	112.900	302.620	520.450	619.680	548.180	338.080	108.320	382.890	646.350	739.390
85.0	66.502	264.010	480.500	577.040	505.670	296.180	58.205	336.690	598.560	690.510
87.5	33.713	229.460	442.270	536.110	465.380	258.210	25.196	294.530	552.980	643.510
90.0	20.397	199.040	406.800	497.550	427.270	224.730	14.327	257.110	509.340	598.400
92.5	20.076	172.620	373.050	460.510	391.750	195.560	14.655	223.630	468.780	555.700
95.0	21.009	149.560	341.270	425.050	357.810	166.430	15.310	194.950	429.560	514.390
97.5	21.957	129.850	311.590	391.260	326.510	143.520	15.996	166.300	393.020	475.230
100.0	22.926	113.210	284.040	359.730	296.980	124.270	16.725	144.260	358.480	438.320
102.5	23.907	98.009	258.490	329.590	269.480	107.520	17.496	121.280	326.140	403.020
105.0	24.883	86.290	234.910	301.890	243.920	93.527	18.265	101.820	296.240	369.760
107.5	25.865	76.422	212.960	275.760	220.420	81.623	19.072	91.208	268.300	338.540
110.0	26.829	68.286	190.590	251.400	198.980	71.632	19.889	80.852	242.110	309.370
112.5	27.791	61.532	172.710	228.480	179.180	63.287	20.727	71.376	216.770	281.940
115.0	28.734	55.937	156.030	207.550	161.200	56.370	21.574	64.328	193.940	256.450
117.5	29.669	51.344	140.720	186.000	144.690	50.617	22.453	56.459	169.730	232.450
120.0	30.608	47.070	126.760	167.690	129.740	45.601	23.349	50.319	151.290	210.230
122.5	31.527	43.850	114.200	150.980	115.990	41.410	24.305	45.377	136.120	189.550
125.0	32.440	41.796	102.800	135.450	103.860	38.444	25.250	41.871	121.060	170.230
127.5	33.326	40.839	92.645	121.530	91.732	36.742	26.245	39.408	106.580	152.750
130.0	34.213	40.345	83.520	108.670	82.103	35.604	27.246	37.548	90.601	136.540
132.5	35.059	39.777	75.548	97.152	73.551	34.759	28.270	36.150	82.172	121.840

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## CANDELA TABULATION - (Cont.)

135.0	35.893	39.415	68.354	86.754	65.665	34.209	29.285	35.354	72.813	108.460
137.5	36.711	39.322	62.360	77.438	58.716	33.957	30.332	34.961	64.407	95.666
140.0	37.505	39.393	57.210	69.026	53.937	34.044	31.369	34.929	57.801	85.016
142.5	38.240	39.648	53.382	62.111	50.568	34.366	32.397	35.071	53.131	75.784
145.0	38.985	40.045	50.736	56.923	47.467	34.859	33.408	35.400	49.655	68.371
147.5	39.688	40.534	48.603	52.511	44.976	35.523	34.433	35.890	46.809	62.289
150.0	40.332	41.076	46.812	49.316	43.253	36.292	35.376	36.531	44.882	57.293
152.5	40.939	41.614	45.602	46.755	42.061	37.149	36.347	37.254	43.372	53.183
155.0	41.483	42.139	44.754	44.882	41.438	38.022	37.266	37.998	42.431	50.022
157.5	41.976	42.616	44.364	43.814	41.266	38.908	38.160	38.793	41.959	47.681
160.0	42.399	43.030	44.325	43.304	41.432	39.742	39.017	39.591	41.856	46.081
162.5	42.747	43.378	44.454	43.368	41.897	40.530	39.817	40.363	42.042	45.147
165.0	43.055	43.677	44.683	43.752	42.491	41.274	40.589	41.110	42.468	44.767
167.5	43.304	43.913	44.900	44.294	43.069	41.964	41.266	41.760	42.984	44.778
170.0	43.501	44.104	45.084	44.849	43.611	42.571	41.923	42.410	43.548	45.059
172.5	43.698	44.268	45.244	45.318	44.077	43.119	42.491	42.998	44.064	45.446
175.0	43.842	44.377	45.346	45.656	44.458	43.605	42.987	43.513	44.510	45.781
177.5	43.868	44.403	45.349	45.924	44.787	44.014	43.427	43.958	44.911	46.008
180.0	43.767	43.767	43.767	43.767	43.767	43.767	43.767	43.767	43.767	43.767

## Vert. Horizontal Angles

	<u>300</u>	<u>330</u>	<u>360</u>
0.0	1916.700	1916.700	1916.700
2.5	1920.400	1913.300	1908.800
5.0	1918.200	1905.400	1897.300
7.5	1912.400	1892.800	1881.000
10.0	1902.800	1875.900	1859.900
12.5	1888.700	1854.400	1833.500
15.0	1870.700	1829.000	1802.900
17.5	1848.600	1799.100	1767.000
20.0	1823.600	1765.400	1727.800
22.5	1795.500	1727.800	1684.600
25.0	1764.700	1687.200	1638.100
27.5	1730.600	1642.800	1587.700
30.0	1693.800	1594.600	1534.400
32.5	1654.200	1544.300	1477.600
35.0	1612.300	1490.600	1418.600
37.5	1568.700	1435.200	1357.900
40.0	1522.100	1377.400	1293.600
42.5	1474.100	1318.400	1228.500
45.0	1424.000	1257.700	1160.700
47.5	1373.500	1195.300	1093.200
50.0	1321.200	1132.500	1023.500
52.5	1267.600	1068.700	952.820
55.0	1213.200	1005.500	880.520
57.5	1158.200	940.880	807.350
60.0	1103.400	877.180	734.140
62.5	1049.000	814.180	661.810
65.0	994.780	752.010	588.940
67.5	940.820	691.700	516.100
70.0	887.050	632.490	443.370
72.5	834.340	575.520	371.480
75.0	782.410	519.660	301.350
77.5	731.740	468.490	234.230
80.0	682.270	418.570	169.120

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : C-P69F4-50-DB-L\_C-P69F4-50-DB-W\_50W\_5000K.IES****CANDELA TABULATION - (Cont.)**

<b>82.5</b>	634.660	372.550	112.900
<b>85.0</b>	589.130	330.030	66.502
<b>87.5</b>	544.970	290.900	33.713
<b>90.0</b>	503.850	255.920	20.397
<b>92.5</b>	464.370	224.950	20.076
<b>95.0</b>	426.870	197.360	21.009
<b>97.5</b>	391.440	173.170	21.957
<b>100.0</b>	358.230	149.290	22.926
<b>102.5</b>	327.170	129.010	23.907
<b>105.0</b>	296.930	109.210	24.883
<b>107.5</b>	262.410	94.036	25.865
<b>110.0</b>	238.450	83.508	26.829
<b>112.5</b>	215.860	77.870	27.791
<b>115.0</b>	195.200	68.547	28.734
<b>117.5</b>	174.550	61.416	29.669
<b>120.0</b>	157.720	55.679	30.608
<b>122.5</b>	142.230	50.899	31.527
<b>125.0</b>	126.440	47.354	32.440
<b>127.5</b>	109.910	45.063	33.326
<b>130.0</b>	95.859	43.404	34.213
<b>132.5</b>	83.154	42.040	35.059
<b>135.0</b>	72.431	41.272	35.893
<b>137.5</b>	64.494	40.840	36.711
<b>140.0</b>	58.508	40.662	37.505
<b>142.5</b>	55.055	40.615	38.240
<b>145.0</b>	52.124	40.769	38.985
<b>147.5</b>	49.555	41.047	39.688
<b>150.0</b>	47.583	41.352	40.332
<b>152.5</b>	46.104	41.703	40.939
<b>155.0</b>	45.124	42.077	41.483
<b>157.5</b>	44.527	42.462	41.976
<b>160.0</b>	44.223	42.829	42.399
<b>162.5</b>	44.161	43.128	42.747
<b>165.0</b>	44.237	43.434	43.055
<b>167.5</b>	44.385	43.683	43.304
<b>170.0</b>	44.582	43.887	43.501
<b>172.5</b>	44.825	44.084	43.698
<b>175.0</b>	45.021	44.255	43.842
<b>177.5</b>	45.063	44.351	43.868
<b>180.0</b>	43.767	43.767	43.767

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : C-P69F4-50-DB-L\_C-P69F4-50-DB-W\_50W\_5000K.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	700.54	9.80	9.80
0-30	1489.31	20.90	20.90
0-40	2448.06	34.40	34.40
0-60	4426.75	62.20	62.20
0-80	5884.16	82.60	82.60
0-90	6323.67	88.80	88.80
10-90	6142.35	86.30	86.30
20-40	1747.53	24.50	24.50
20-50	2762.92	38.80	38.80
40-70	2802.76	39.40	39.40
60-80	1457.4	20.50	20.50
70-80	633.33	8.90	8.90
80-90	439.51	6.20	6.20
90-110	490.23	6.90	6.90
90-120	612.39	8.60	8.60
90-130	686.98	9.60	9.60
90-150	761.13	10.70	10.70
90-180	797.20	11.20	11.20
110-180	306.97	4.30	4.30
0-180	7120.87	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	181.31
10-20	519.23
20-30	788.77
30-40	958.75
40-50	1015.39
50-60	963.30
60-70	824.08
70-80	633.33
80-90	439.51
90-100	296.44
100-110	193.78
110-120	122.16
120-130	74.59
130-140	45.14
140-150	29.01
150-160	19.69
160-170	12.16
170-180	4.22

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : C-P69F4-50-DB-L\_C-P69F4-50-DB-W\_50W\_5000K.IES****COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	104	98	93	89	100	95	90	86	88	85	81	83	80	77	77	75	73	70
2	94	85	77	71	90	82	75	69	76	70	65	71	66	62	67	63	59	56
3	85	74	65	58	81	71	63	57	67	60	54	62	57	52	58	54	49	47
4	78	65	56	48	74	63	54	48	59	51	46	55	49	44	52	46	42	39
5	71	58	48	41	68	56	47	41	53	45	39	49	43	38	46	41	36	34
6	66	52	43	36	63	50	42	35	47	40	34	45	38	33	42	36	32	29
7	61	47	38	32	58	45	37	31	43	35	30	40	34	29	38	32	28	26
8	56	43	34	28	54	41	33	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	25	51	38	30	25	36	29	24	34	28	23	32	27	23	21
10	49	36	28	23	48	35	27	22	33	26	22	32	25	21	30	24	20	19

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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	19.3	20.7	19.8	21.3	21.8	19.1	20.6	19.7	21.1	21.7
	3H	21.0	22.4	21.6	22.9	23.5	21.2	22.5	21.7	23.1	23.7
	4H	21.7	22.9	22.2	23.5	24.1	22.1	23.4	22.7	23.9	24.6
	6H	22.1	23.3	22.6	23.8	24.5	23.0	24.2	23.5	24.7	25.4
	8H	22.2	23.3	22.8	23.9	24.6	23.4	24.5	23.9	25.1	25.7
	12H	22.3	23.4	22.9	23.9	24.6	23.7	24.8	24.3	25.4	26.1

### UGR Viewed Endwise

4H	2H	19.9	21.1	20.4	21.7	22.3	19.7	21.0	20.3	21.5	22.2
	3H	21.8	22.9	22.4	23.5	24.1	22.0	23.1	22.6	23.7	24.3
	4H	22.6	23.6	23.2	24.2	24.9	23.1	24.1	23.7	24.7	25.4
	6H	23.2	24.1	23.8	24.7	25.4	24.1	25.0	24.7	25.6	26.3
	8H	23.3	24.2	24.0	24.8	25.5	24.6	25.4	25.2	26.1	26.8
	12H	23.5	24.2	24.1	24.9	25.6	25.1	25.8	25.7	26.5	27.2

8H	4H	23.0	23.8	23.6	24.5	25.2	23.4	24.2	24.0	24.9	25.6
	6H	23.8	24.5	24.4	25.2	25.9	24.6	25.3	25.3	26.0	26.7
	8H	24.1	24.7	24.7	25.4	26.1	25.2	25.9	25.9	26.6	27.3
	12H	24.3	24.9	25.0	25.5	26.3	25.9	26.5	26.5	27.1	27.9

12H	4H	23.1	23.9	23.7	24.5	25.2	23.4	24.2	24.1	24.8	25.6
	6H	23.9	24.6	24.6	25.2	26.0	24.7	25.4	25.4	26.0	26.8
	8H	24.3	24.9	25.0	25.6	26.3	25.4	26.0	26.1	26.7	27.4

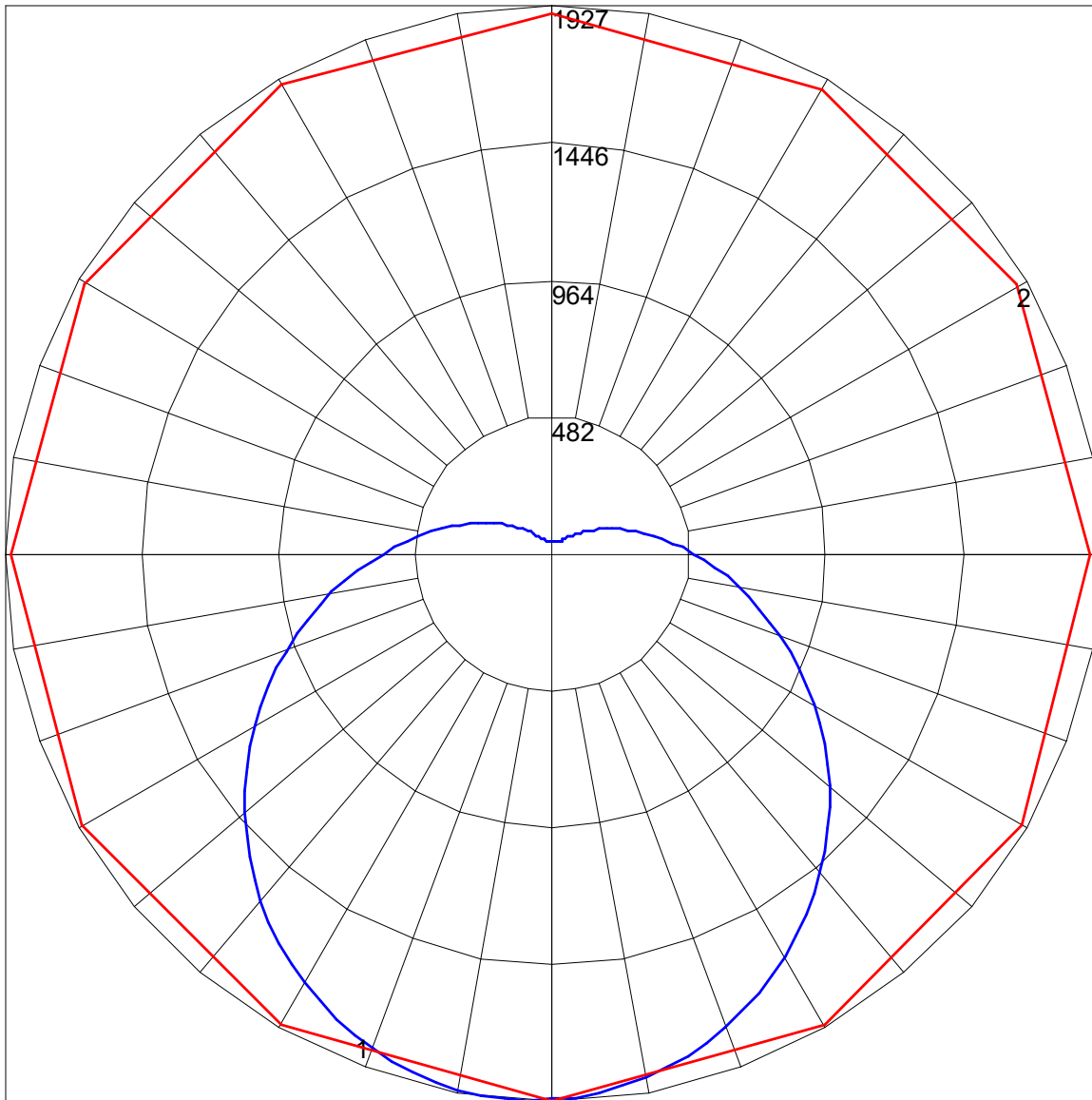
Maximum UGR = 27.9



# IES INDOOR REPORT

PHOTOMETRIC FILENAME : C-P69F4-50-DB-L\_C-P69F4-50-DB-W\_50W\_5000K.IES

## POLAR GRAPH



Maximum Candela = 1927.4 Located At Horizontal Angle = 270, Vertical Angle = 5

# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)