

IES INDOOR REPORT

PHOTOMETRIC FILENAME : C-P69F4-50-DB-L_C-P69F4-50-DB-W_50W_4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995

[TEST] 20260319009

[TESTLAB] EVERFINE

[TESTDATE] 2026-03-19

[ISSUEDATE] 2026-03-19 13:41:51

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-2000B_V1 SYSTEM

[MANUFAC] BELUCE CANADA INC.

[LUMINAIRE] 50W 4000K 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	183.38	183.38	2.55	2.55
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[OTHER]	10- 20	525.04	708.42	9.86	9.86
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[OTHER]	20- 30	797.29	1505.72	20.96	20.96
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[OTHER]	30- 40	968.58	2474.29	34.44	34.44
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[OTHER]	40- 50	1025.16	3499.46	48.70	48.70
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[OTHER]	50- 60	971.93	4471.39	62.23	62.23
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[OTHER]	60- 70	830.94	5302.33	73.79	73.79
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[OTHER]	70- 80	638.13	5940.46	82.68	82.68
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[OTHER]	80- 90	442.43	6382.90	88.83	88.83
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[OTHER]	90-100	298.19	6681.09	92.98	92.98
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[OTHER]	100-110	194.88	6875.97	95.70	95.70
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[OTHER]	110-120	122.91	6998.88	97.41	97.41
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[OTHER]	120-130	75.05	7073.93	98.45	98.45
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[OTHER]	130-140	45.53	7119.45	99.08	99.08
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[OTHER]	140-150	29.31	7148.77	99.49	99.49
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[OTHER]	150-160	19.92	7168.69	99.77	99.77
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[OTHER]	160-170	12.31	7181.00	99.94	99.94
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[OTHER]	170-180	4.27	7185.27	100.00	100.00
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[OTHER]

IES INDOOR REPORT**PHOTOMETRIC FILENAME : C-P69F4-50-DB-L_C-P69F4-50-DB-W_50W_4000K.IES****CHARACTERISTICS**

Lumens Per Lamp	7185.3 (1 lamp)
Total Lamp Lumens	7185.3
Luminaire Lumens	7185
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	48.9
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.30
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	9831	11907	22216
55	7557	9999	22794
65	5290	8229	24446
75	2923	6634	29160
85	715	5319	48188

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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	1938.700	1938.700	1938.700	1938.700	1938.700	1938.700	1938.700	1938.700	1938.700	1938.700
2.5	1927.200	1919.300	1916.500	1951.400	1941.800	1938.000	1934.900	1932.400	1930.200	1961.600
5.0	1915.700	1905.500	1903.700	1940.800	1932.800	1931.500	1930.600	1931.800	1931.200	1961.100
7.5	1898.700	1886.800	1887.300	1927.300	1920.100	1920.100	1921.000	1925.900	1928.200	1957.700
10.0	1877.300	1864.100	1867.400	1910.000	1903.500	1903.900	1906.200	1915.400	1921.100	1948.900
12.5	1850.200	1836.800	1843.800	1888.200	1883.200	1883.000	1886.000	1899.800	1909.900	1936.900
15.0	1819.000	1805.200	1816.900	1864.300	1859.500	1857.400	1860.600	1879.700	1894.700	1922.100
17.5	1782.600	1769.300	1786.300	1837.600	1832.500	1827.500	1830.300	1854.700	1875.800	1904.600
20.0	1742.500	1730.000	1753.200	1808.700	1802.100	1793.500	1795.600	1825.700	1853.400	1884.100
22.5	1698.800	1687.700	1717.100	1777.900	1768.900	1756.500	1756.500	1792.900	1827.800	1861.100
25.0	1651.500	1641.900	1678.800	1744.000	1732.200	1715.000	1712.300	1755.400	1798.300	1835.000
27.5	1600.500	1592.400	1637.500	1708.000	1693.400	1669.600	1664.700	1714.200	1766.400	1806.100
30.0	1546.300	1538.900	1593.700	1669.100	1651.900	1620.200	1613.900	1668.600	1731.300	1773.600
32.5	1488.600	1484.800	1547.500	1628.000	1608.100	1567.700	1559.400	1619.500	1693.700	1739.100
35.0	1429.000	1427.600	1499.700	1584.900	1560.900	1512.300	1499.800	1567.400	1651.900	1702.000
37.5	1367.100	1368.500	1450.700	1540.200	1512.200	1454.300	1437.900	1512.500	1608.300	1662.400
40.0	1302.500	1307.500	1398.800	1494.100	1461.800	1394.400	1373.600	1455.400	1562.300	1620.700
42.5	1236.500	1245.200	1346.700	1446.100	1409.300	1332.100	1306.200	1395.400	1514.000	1576.600
45.0	1168.400	1181.400	1292.600	1397.100	1356.000	1268.600	1237.400	1333.700	1464.300	1530.600
47.5	1099.600	1116.600	1239.000	1346.400	1301.700	1203.100	1166.600	1269.600	1412.700	1483.000
50.0	1028.900	1051.900	1183.700	1295.500	1246.700	1137.100	1094.400	1205.100	1359.900	1434.000
52.5	957.410	986.550	1128.500	1243.000	1190.300	1069.700	1019.200	1138.400	1304.900	1383.000
55.0	884.450	921.610	1072.600	1190.200	1133.600	1002.600	942.980	1071.300	1249.200	1331.600
57.5	810.670	856.280	1016.800	1136.600	1076.200	934.430	864.960	1002.900	1193.100	1278.200
60.0	737.310	792.080	961.950	1083.000	1019.900	867.170	786.980	935.000	1136.300	1224.400
62.5	664.100	728.850	908.390	1030.200	963.300	800.960	707.340	868.210	1079.200	1170.100
65.0	590.720	667.190	855.370	976.800	907.920	735.200	628.590	801.100	1023.000	1115.700
67.5	517.330	607.320	803.090	924.700	853.520	671.810	549.150	735.800	966.700	1061.400
70.0	443.870	549.050	751.950	872.680	800.400	609.330	470.290	671.100	911.320	1006.600
72.5	371.730	493.540	702.440	822.260	748.250	549.920	391.770	608.980	856.290	952.170
75.0	300.800	440.270	654.230	772.300	697.240	492.720	314.800	548.440	801.970	898.180
77.5	233.210	391.540	608.040	724.150	648.050	438.960	241.430	491.280	748.770	846.610
80.0	167.580	344.820	563.060	676.870	600.760	388.080	172.480	436.720	697.430	794.370
82.5	111.360	302.220	520.820	631.850	556.160	341.980	111.460	386.680	648.390	743.580
85.0	65.065	263.820	480.610	588.260	512.890	299.340	60.604	340.180	600.530	694.300
87.5	32.658	229.350	442.240	546.460	471.900	260.720	26.497	297.560	554.590	646.640
90.0	20.214	199.000	406.730	507.130	433.140	226.800	14.521	259.770	510.680	601.130
92.5	20.257	172.510	373.020	469.330	397.330	197.480	14.770	225.810	469.840	557.990
95.0	21.199	149.410	341.230	433.210	362.800	168.180	15.434	196.830	430.250	516.470
97.5	22.167	129.810	311.480	398.880	331.040	144.950	16.130	167.880	393.780	477.090
100.0	23.149	113.210	284.040	366.760	300.990	125.360	16.863	145.800	359.180	439.890
102.5	24.144	98.061	258.340	336.080	273.090	108.430	17.638	123.110	326.790	404.190
105.0	25.122	86.402	234.830	307.830	247.050	94.371	18.413	101.990	296.750	370.820
107.5	26.114	76.511	212.920	281.150	223.300	82.348	19.229	91.635	268.770	339.380
110.0	27.095	68.408	190.640	256.430	201.640	72.232	20.057	81.423	242.220	310.170
112.5	28.060	61.689	172.730	233.140	181.580	63.802	20.897	71.793	216.700	282.600
115.0	29.026	56.180	156.080	211.700	163.380	56.856	21.751	64.794	194.380	257.070
117.5	29.985	51.580	140.780	189.820	146.700	51.044	22.637	56.754	170.170	232.960
120.0	30.936	47.310	126.830	171.280	131.560	46.012	23.540	50.572	151.080	210.640
122.5	31.865	44.106	114.300	154.220	117.630	41.781	24.495	45.580	135.970	189.880
125.0	32.791	42.062	102.920	138.390	105.340	38.828	25.457	42.012	120.880	170.550
127.5	33.701	41.121	92.802	124.140	93.059	37.139	26.459	39.539	106.470	153.010
130.0	34.591	40.640	83.694	111.070	83.325	35.962	27.466	37.686	90.310	136.760
132.5	35.457	40.076	75.725	99.354	74.675	35.130	28.497	36.281	81.883	122.170

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CANDELA TABULATION - (Cont.)

135.0	36.310	39.717	68.567	88.772	66.745	34.580	29.544	35.505	72.632	108.790
137.5	37.144	39.630	62.551	79.243	59.606	34.358	30.605	35.132	64.315	95.942
140.0	37.936	39.712	57.413	70.656	54.686	34.454	31.651	35.126	57.687	85.386
142.5	38.693	39.980	53.615	63.546	51.323	34.783	32.686	35.281	53.022	76.146
145.0	39.445	40.383	50.996	58.262	48.196	35.296	33.707	35.630	49.550	68.817
147.5	40.161	40.882	48.869	53.693	45.669	35.986	34.738	36.140	46.802	62.788
150.0	40.814	41.411	47.091	50.403	43.929	36.761	35.714	36.807	44.882	57.832
152.5	41.425	41.965	45.829	47.844	42.711	37.638	36.685	37.542	43.463	53.780
155.0	41.982	42.490	45.049	45.853	42.068	38.527	37.621	38.304	42.565	50.676
157.5	42.481	42.973	44.653	44.730	41.883	39.430	38.524	39.102	42.123	48.370
160.0	42.908	43.397	44.621	44.190	42.043	40.284	39.388	39.916	42.043	46.833
162.5	43.262	43.742	44.746	44.222	42.504	41.088	40.208	40.701	42.249	45.941
165.0	43.577	44.044	44.982	44.593	43.101	41.846	40.986	41.448	42.695	45.590
167.5	43.826	44.288	45.209	45.132	43.702	42.551	41.670	42.118	43.213	45.631
170.0	44.027	44.472	45.389	45.719	44.251	43.168	42.340	42.778	43.785	45.922
172.5	44.217	44.620	45.547	46.214	44.724	43.736	42.918	43.369	44.300	46.296
175.0	44.361	44.725	45.654	46.559	45.118	44.225	43.423	43.894	44.750	46.625
177.5	44.397	44.758	45.657	46.844	45.463	44.638	43.870	44.349	45.147	46.835
180.0	44.292	44.292	44.292	44.292	44.292	44.292	44.292	44.292	44.292	44.292

Vert. Horizontal Angles

	<u>300</u>	<u>330</u>	<u>360</u>
0.0	1938.700	1938.700	1938.700
2.5	1947.900	1936.200	1927.200
5.0	1945.300	1928.000	1915.700
7.5	1939.100	1914.900	1898.700
10.0	1928.800	1897.500	1877.300
12.5	1914.100	1875.500	1850.200
15.0	1895.400	1849.300	1819.000
17.5	1872.400	1818.900	1782.600
20.0	1846.700	1784.400	1742.500
22.5	1817.700	1745.900	1698.800
25.0	1786.100	1704.200	1651.500
27.5	1751.100	1658.900	1600.500
30.0	1713.400	1610.200	1546.300
32.5	1672.500	1559.200	1488.600
35.0	1629.600	1504.500	1429.000
37.5	1584.900	1447.400	1367.100
40.0	1537.300	1389.000	1302.500
42.5	1488.100	1329.100	1236.500
45.0	1437.100	1267.800	1168.400
47.5	1385.600	1204.200	1099.600
50.0	1332.000	1140.500	1028.900
52.5	1277.600	1075.800	957.410
55.0	1221.900	1011.600	884.450
57.5	1166.000	946.560	810.670
60.0	1110.400	882.140	737.310
62.5	1055.300	818.150	664.100
65.0	1000.200	755.550	590.720
67.5	945.380	694.330	517.330
70.0	890.840	634.710	443.870
72.5	837.620	576.950	371.730
75.0	784.920	521.050	300.800
77.5	733.780	469.330	233.210
80.0	683.870	419.050	167.580

IES INDOOR REPORT**PHOTOMETRIC FILENAME : C-P69F4-50-DB-L_C-P69F4-50-DB-W_50W_4000K.IES****CANDELA TABULATION - (Cont.)**

82.5	635.830	372.620	111.360
85.0	589.680	329.710	65.065
87.5	545.400	290.420	32.658
90.0	503.890	255.300	20.214
92.5	464.440	224.360	20.257
95.0	426.610	196.710	21.199
97.5	391.070	172.630	22.167
100.0	357.760	149.250	23.149
102.5	326.620	128.970	24.144
105.0	295.620	109.720	25.122
107.5	261.720	94.195	26.114
110.0	238.600	83.662	27.095
112.5	216.180	77.753	28.060
115.0	195.220	68.599	29.026
117.5	174.280	61.730	29.985
120.0	157.680	56.105	30.936
122.5	142.240	51.329	31.865
125.0	126.060	47.849	32.791
127.5	108.680	45.595	33.701
130.0	96.046	43.949	34.591
132.5	83.284	42.591	35.457
135.0	73.232	41.833	36.310
137.5	65.266	41.398	37.144
140.0	59.338	41.223	37.936
142.5	55.814	41.173	38.693
145.0	52.886	41.317	39.445
147.5	50.352	41.589	40.161
150.0	48.328	41.907	40.814
152.5	46.869	42.265	41.425
155.0	45.876	42.649	41.982
157.5	45.279	43.043	42.481
160.0	44.968	43.414	42.908
162.5	44.929	43.726	43.262
165.0	45.011	44.028	43.577
167.5	45.172	44.288	43.826
170.0	45.373	44.488	44.027
172.5	45.622	44.672	44.217
175.0	45.815	44.846	44.361
177.5	45.848	44.935	44.397
180.0	44.292	44.292	44.292

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Zone	Lumens	%Lamp	%Fixt
0-20	708.42	9.90	9.90
0-30	1505.72	21.00	21.00
0-40	2474.3	34.40	34.40
0-60	4471.39	62.20	62.20
0-80	5940.47	82.70	82.70
0-90	6382.9	88.80	88.80
10-90	6199.52	86.30	86.30
20-40	1765.87	24.60	24.60
20-50	2791.04	38.80	38.80
40-70	2828.04	39.40	39.40
60-80	1469.07	20.40	20.40
70-80	638.13	8.90	8.90
80-90	442.43	6.20	6.20
90-110	493.07	6.90	6.90
90-120	615.98	8.60	8.60
90-130	691.03	9.60	9.60
90-150	765.87	10.70	10.70
90-180	802.37	11.20	11.20
110-180	309.30	4.30	4.30
0-180	7185.27	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	183.38
10-20	525.04
20-30	797.29
30-40	968.58
40-50	1025.17
50-60	971.93
60-70	830.94
70-80	638.13
80-90	442.43
90-100	298.19
100-110	194.88
110-120	122.91
120-130	75.05
130-140	45.53
140-150	29.31
150-160	19.92
160-170	12.31
170-180	4.27

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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	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	66	71	67	62	67	63	59	56
3	85	74	65	58	82	71	63	57	67	60	54	62	57	52	58	54	50	47
4	78	65	56	49	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	46	37	31	43	35	30	41	34	29	38	33	28	26
8	57	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	25	21	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	20.8	19.9	21.3	21.9	19.3	20.7	19.8	21.3	21.8
	3H	21.1	22.4	21.6	23.0	23.6	21.3	22.7	21.9	23.2	23.8
	4H	21.7	23.0	22.3	23.5	24.2	22.3	23.5	22.8	24.1	24.7
	6H	22.1	23.3	22.7	23.9	24.5	23.1	24.3	23.7	24.9	25.5
	8H	22.3	23.4	22.8	24.0	24.6	23.5	24.7	24.1	25.2	25.9
	12H	22.3	23.4	22.9	24.0	24.7	23.9	25.0	24.5	25.6	26.2

UGR Viewed Endwise

4H	2H	19.9	21.2	20.5	21.8	22.4	19.8	21.1	20.4	21.6	22.3
	3H	21.9	23.0	22.4	23.5	24.2	22.1	23.2	22.7	23.8	24.5
	4H	22.6	23.6	23.2	24.2	24.9	23.2	24.2	23.8	24.8	25.5
	6H	23.2	24.1	23.8	24.7	25.4	24.3	25.1	24.9	25.8	26.5
	8H	23.4	24.2	24.0	24.9	25.6	24.7	25.6	25.3	26.2	26.9
	12H	23.5	24.3	24.1	24.9	25.6	25.2	26.0	25.8	26.6	27.3

8H	4H	23.1	23.9	23.7	24.5	25.2	23.5	24.4	24.1	25.0	25.7
	6H	23.8	24.5	24.5	25.2	25.9	24.8	25.5	25.4	26.1	26.8
	8H	24.1	24.8	24.8	25.4	26.1	25.4	26.0	26.0	26.7	27.4
	12H	24.3	24.9	25.0	25.6	26.4	26.0	26.6	26.7	27.3	28.0

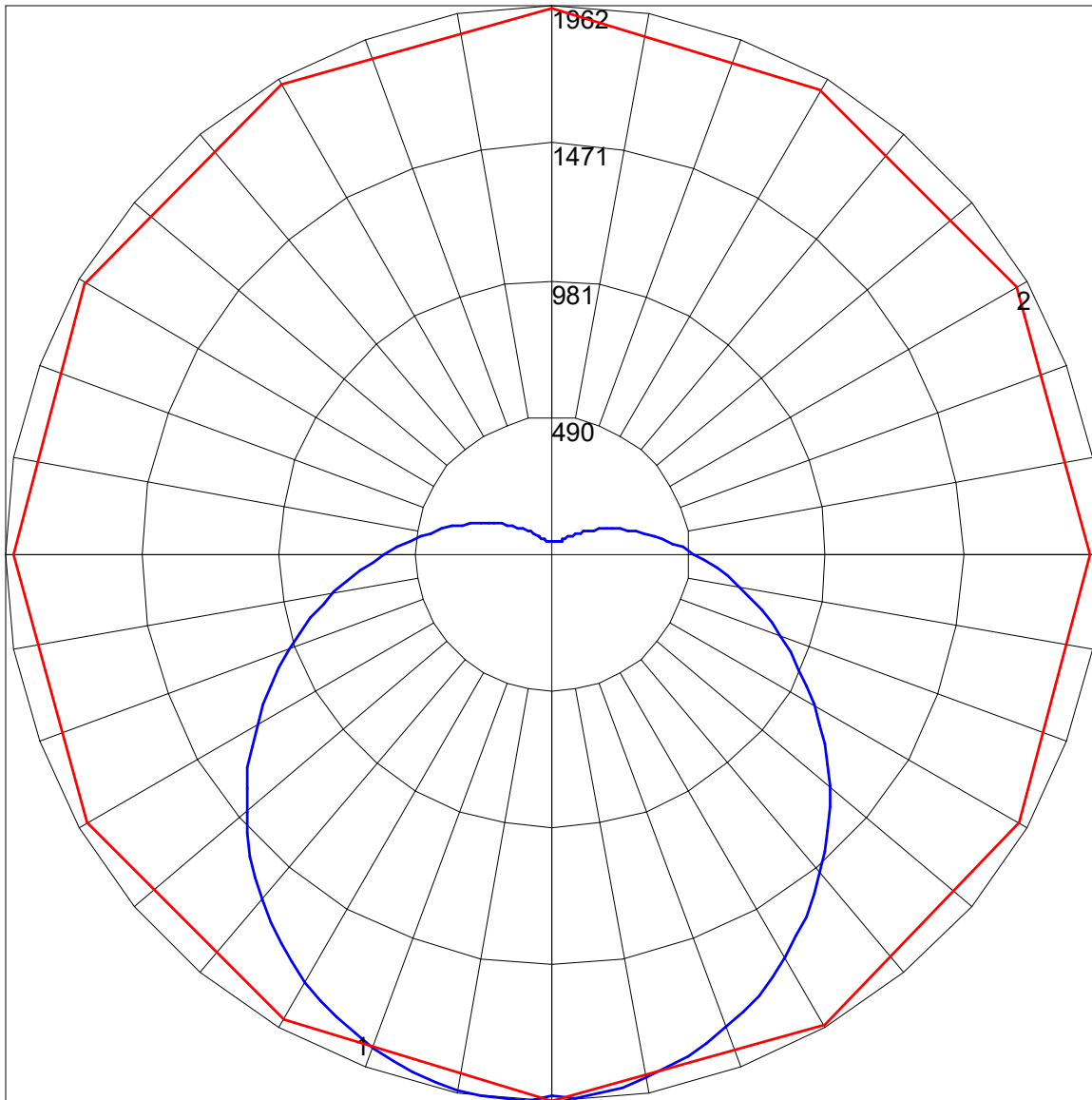
12H	4H	23.2	23.9	23.8	24.6	25.3	23.6	24.3	24.2	25.0	25.7
	6H	24.0	24.6	24.7	25.3	26.1	24.8	25.5	25.5	26.1	26.9
	8H	24.4	24.9	25.0	25.6	26.4	25.5	26.1	26.2	26.8	27.6

Maximum UGR = 28.0

IES INDOOR REPORT

PHOTOMETRIC FILENAME : C-P69F4-50-DB-L_C-P69F4-50-DB-W_50W_4000K.IES

POLAR GRAPH



Maximum Candela = 1961.6 Located At Horizontal Angle = 270, Vertical Angle = 2.5

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

2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)