

Family Correlated Photometric Data

The following photometric information is developed using correlated data. Finelite considers a family to be a group of luminaires where critical performance metrics such as photometric performance, thermal performance, and electrical performance can be accurately projected via a combination of LM79 tests at the luminaire level and well-documented specifications at the component level.

For more information, please download [Finelite's Family Correlated White Paper](#)

Additional links:

- [Solid-State Lighting: Early Lessons Learned on the Way to Market](#)
(U.S. Department of Energy)
- [Lighting Facts®](#)
- [Design Lights Consortium®](#)

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HP3-P-ID-4FT-S-S-835-F-F-KPL2008-50.015.IES

DESCRIPTION INFORMATION (From Photometric File)

[TEST] KPL2008-50.015 Family Correlation File
[TESTLAB] Northern Lights Testing Laboratories
[ISSUEDATE] 1/18/2024
[TESTDATE] 11/27/2024
[MANUFAC] Finelite, Inc.
[LUMCAT] HP3-P-ID-4ft-S-S-835-F-F
[LUMINAIRE] HP3 Series
[LAMPCAT] 320 LM561B+ LEDs with 80 CRI
[OTHER]INPUT ELECTRICAL: 277.0 VOLTS, 38.2 WATTS
[ABSOLUTELUMENS]5021
[LAMP] Samsung
[BALLAST] Osram
[BALLASTCAT] x2 @ 700mA

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5023
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	38.2
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8370	7988	7600
55	7615	7175	6807
65	6877	6462	6113
75	6136	5717	5517
85	5516	5176	4850

CANDELA TABULATION

	<u>0</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>60</u>	<u>75</u>	<u>90</u>	<u>105</u>	<u>120</u>	<u>135</u>
0.0	966.241	966.241	966.241	966.241	966.241	966.241	966.241	966.241	966.241	966.241
2.5	959.629	974.042	962.220	962.755	963.596	962.187	965.005	962.187	963.596	962.755
5.0	955.000	969.139	957.285	957.452	957.518	956.143	958.827	956.143	957.518	957.452
7.5	947.948	960.945	948.883	948.115	947.914	946.064	948.415	946.064	947.914	948.115
10.0	941.563	954.760	939.586	936.059	934.610	931.524	933.976	931.524	934.610	936.059
12.5	923.497	937.569	923.964	923.864	917.352	914.093	915.302	914.093	917.352	923.864
15.0	906.098	918.528	904.181	904.015	898.678	893.101	894.010	893.101	898.678	904.015
17.5	886.216	897.536	882.689	880.104	877.653	868.483	869.559	868.483	877.653	880.104
20.0	864.389	874.868	859.921	853.843	851.058	842.797	842.690	842.797	851.058	853.843
22.5	840.406	848.100	833.961	825.532	819.989	814.145	813.203	814.145	819.989	825.532
25.0	817.504	823.048	805.649	796.579	788.017	782.006	782.040	782.006	788.017	796.579
27.5	783.790	791.811	776.463	766.859	756.754	749.701	747.043	749.701	756.754	766.859
30.0	753.829	756.079	743.790	734.180	722.458	715.038	712.854	715.038	722.458	734.180
32.5	721.256	727.434	709.161	701.473	688.103	680.008	676.855	680.008	688.103	701.473
35.0	689.478	693.679	677.056	664.999	658.618	643.572	642.531	643.572	658.618	664.999
37.5	656.167	657.544	642.061	629.501	616.604	607.872	605.387	607.872	616.604	629.501
40.0	618.754	621.306	606.026	592.894	580.569	572.173	568.445	572.173	580.569	592.894
42.5	583.557	584.263	569.654	557.933	545.003	536.607	532.845	536.607	545.003	557.933
45.0	548.026	549.168	533.786	523.006	508.396	500.202	497.582	500.202	508.396	523.006
47.5	511.486	511.486	498.321	486.600	472.764	464.434	461.916	464.434	472.764	486.600
50.0	474.745	475.954	461.345	450.363	436.795	429.944	426.921	429.944	436.795	450.363
52.5	438.340	439.650	425.813	415.402	403.513	395.755	393.874	395.755	403.513	415.402
55.0	404.420	403.782	392.094	381.046	370.937	365.294	361.500	365.294	370.937	381.046
57.5	370.097	367.377	356.798	347.864	338.091	331.374	329.057	331.374	338.091	347.864
60.0	335.170	332.852	324.322	314.079	305.616	300.107	297.556	300.107	305.616	314.079
62.5	302.122	299.973	291.712	281.918	272.296	268.771	267.350	268.771	272.296	281.918
65.0	269.103	266.809	260.317	252.888	244.079	241.175	239.220	241.175	244.079	252.888
67.5	236.553	235.210	229.259	221.648	215.368	212.547	211.231	212.547	215.368	221.648
70.0	206.771	204.615	197.975	193.156	188.441	184.867	184.095	184.867	188.441	193.156
72.5	175.396	170.144	169.620	164.458	160.049	157.684	157.221	157.684	160.049	164.458
75.0	147.058	145.674	141.910	137.017	135.226	131.979	132.214	131.979	135.226	137.017
77.5	120.701	118.649	115.106	111.519	109.595	107.247	107.416	107.247	109.595	111.519
80.0	94.116	92.524	89.575	87.980	85.579	84.353	83.645	84.353	85.579	87.980
82.5	68.699	67.934	66.749	65.136	64.136	63.306	65.476	63.306	64.136	65.136
85.0	44.512	43.723	42.165	41.775	41.060	40.234	39.139	40.234	41.060	41.775
87.5	23.260	21.595	20.631	19.902	18.848	18.935	19.149	18.935	18.848	19.902
90.0	1.921	1.871	2.126	2.012	2.422	2.563	1.948	2.563	2.422	2.012
92.5	26.914	28.016	28.050	27.260	27.835	26.431	27.982	26.431	27.835	27.260
95.0	56.273	56.434	57.305	56.720	57.365	54.346	53.708	54.346	57.365	56.720
97.5	81.401	81.576	80.118	79.292	79.047	78.792	79.843	78.792	79.047	79.292
100.0	111.398	110.515	108.121	107.651	107.422	106.217	106.159	106.217	107.422	107.651
102.5	140.557	140.305	138.306	137.322	135.469	134.518	134.484	134.518	135.469	137.322
105.0	171.219	171.491	169.587	167.873	166.403	165.247	165.966	165.247	166.403	167.873
107.5	205.589	203.822	201.263	199.560	198.267	197.290	195.923	197.290	198.267	199.560
110.0	239.132	238.299	236.137	233.319	230.659	230.710	230.286	230.710	230.659	233.319
112.5	271.595	274.792	271.400	267.753	265.812	263.233	263.743	263.233	265.812	267.753
115.0	306.623	311.325	306.724	311.023	300.612	297.421	298.831	297.421	300.612	311.023
117.5	345.849	348.435	342.760	341.651	337.520	334.263	335.639	334.263	337.520	341.651
120.0	382.859	386.285	381.449	379.534	375.000	371.776	371.306	371.776	375.000	379.534
122.5	423.160	424.470	420.843	417.719	411.540	411.506	407.644	411.506	411.540	417.719
125.0	461.513	464.972	461.379	458.054	449.456	450.531	447.072	450.531	449.456	458.054
127.5	501.948	504.904	500.135	495.668	490.597	490.026	487.373	490.026	490.597	495.668
130.0	540.637	545.272	541.074	536.909	530.864	529.991	529.487	529.991	530.864	536.909
132.5	579.729	585.942	579.427	576.908	570.661	569.989	573.147	569.989	570.661	576.908

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CANDELA TABULATION - (Cont.)

135.0	618.485	626.445	618.787	617.007	613.179	611.668	614.388	611.668	613.179	617.007
137.5	659.458	664.865	656.167	654.823	655.596	651.162	655.159	651.162	655.596	654.823
140.0	697.139	706.142	695.663	694.521	695.022	692.137	695.463	692.137	695.022	694.521
142.5	734.079	742.441	734.353	733.078	733.278	730.252	731.394	730.252	733.278	733.078
145.0	772.436	778.313	770.719	769.210	769.818	768.776	770.152	768.776	769.818	769.210
147.5	806.892	814.045	807.499	807.466	807.433	804.374	806.224	804.374	807.433	807.466
150.0	842.289	849.041	840.139	840.446	840.646	838.496	841.414	838.496	840.646	840.446
152.5	871.642	881.854	873.526	874.601	873.526	870.834	874.528	870.834	873.526	874.601
155.0	901.530	913.285	903.714	903.514	903.914	899.246	904.288	899.246	903.914	903.514
157.5	929.674	942.872	932.326	929.841	930.416	930.950	930.416	930.950	930.416	929.841
160.0	956.677	968.365	955.735	953.384	954.693	950.466	952.850	950.466	954.693	953.384
162.5	977.434	989.991	977.468	975.785	977.161	971.891	974.883	971.891	977.161	975.785
165.0	996.709	1008.130	996.876	994.899	995.968	991.540	994.966	991.540	995.968	994.899
167.5	1012.558	1024.587	1013.533	1011.723	1012.658	1009.105	1012.832	1009.105	1012.658	1011.723
170.0	1025.662	1038.793	1027.238	1025.355	1027.338	1023.278	1027.539	1023.278	1027.338	1025.355
172.5	1036.001	1049.839	1038.419	1036.375	1038.519	1034.258	1038.759	1034.258	1038.519	1036.375
175.0	1043.595	1057.734	1046.446	1044.162	1046.413	1042.786	1047.221	1042.786	1046.413	1044.162
177.5	1048.297	1062.302	1050.948	1048.731	1051.249	1047.355	1052.257	1047.355	1051.249	1048.731
180.0	1053.312	1053.312	1053.312	1053.312	1053.312	1053.312	1053.312	1053.312	1053.312	1053.312

**Vert.
Angles**

Horizontal Angles

	<u>150</u>	<u>165</u>	<u>180</u>	<u>195</u>	<u>210</u>	<u>225</u>	<u>240</u>	<u>255</u>	<u>270</u>	<u>285</u>
0.0	966.241	966.241	966.241	966.241	966.241	966.241	966.241	966.241	966.241	966.241
2.5	962.220	974.042	959.629	974.042	962.220	962.755	963.596	962.187	965.005	962.187
5.0	957.285	969.139	955.000	969.139	957.285	957.452	957.518	956.143	958.827	956.143
7.5	948.883	960.945	947.948	960.945	948.883	948.115	947.914	946.064	948.415	946.064
10.0	939.586	954.760	941.563	954.760	939.586	936.059	934.610	931.524	933.976	931.524
12.5	923.964	937.569	923.497	937.569	923.964	923.864	917.352	914.093	915.302	914.093
15.0	904.181	918.528	906.098	918.528	904.181	904.015	898.678	893.101	894.010	893.101
17.5	882.689	897.536	886.216	897.536	882.689	880.104	877.653	868.483	869.559	868.483
20.0	859.921	874.868	864.389	874.868	859.921	853.843	851.058	842.797	842.690	842.797
22.5	833.961	848.100	840.406	848.100	833.961	825.532	819.989	814.145	813.203	814.145
25.0	805.649	823.048	817.504	823.048	805.649	796.579	788.017	782.006	782.040	782.006
27.5	776.463	791.811	783.790	791.811	776.463	766.859	756.754	749.701	747.043	749.701
30.0	743.790	756.079	753.829	756.079	743.790	734.180	722.458	715.038	712.854	715.038
32.5	709.161	727.434	721.256	727.434	709.161	701.473	688.103	680.008	676.855	680.008
35.0	677.056	693.679	689.478	693.679	677.056	664.999	658.618	643.572	642.531	643.572
37.5	642.061	657.544	656.167	657.544	642.061	629.501	616.604	607.872	605.387	607.872
40.0	606.026	621.306	618.754	621.306	606.026	592.894	580.569	572.173	568.445	572.173
42.5	569.654	584.263	583.557	584.263	569.654	557.933	545.003	536.607	532.845	536.607
45.0	533.786	549.168	548.026	549.168	533.786	523.006	508.396	500.202	497.582	500.202
47.5	498.321	511.486	511.486	511.486	498.321	486.600	472.764	464.434	461.916	464.434
50.0	461.345	475.954	474.745	475.954	461.345	450.363	436.795	429.944	426.921	429.944
52.5	425.813	439.650	438.340	439.650	425.813	415.402	403.513	395.755	393.874	395.755
55.0	392.094	403.782	404.420	403.782	392.094	381.046	370.937	365.294	361.500	365.294
57.5	356.798	367.377	370.097	367.377	356.798	347.864	338.091	331.374	329.057	331.374
60.0	324.322	332.852	335.170	332.852	324.322	314.079	305.616	300.107	297.556	300.107
62.5	291.712	299.973	302.122	299.973	291.712	281.918	272.296	268.771	267.350	268.771
65.0	260.317	266.809	269.103	266.809	260.317	252.888	244.079	241.175	239.220	241.175
67.5	229.259	235.210	236.553	235.210	229.259	221.648	215.368	212.547	211.231	212.547
70.0	197.975	204.615	206.771	204.615	197.975	193.156	188.441	184.867	184.095	184.867
72.5	169.620	170.144	175.396	170.144	169.620	164.458	160.049	157.684	157.221	157.684
75.0	141.910	145.674	147.058	145.674	141.910	137.017	135.226	131.979	132.214	131.979
77.5	115.106	118.649	120.701	118.649	115.106	111.519	109.595	107.247	107.416	107.247
80.0	89.575	92.524	94.116	92.524	89.575	87.980	85.579	84.353	83.645	84.353

CANDELA TABULATION - (Cont.)

82.5	66.749	67.934	68.699	67.934	66.749	65.136	64.136	63.306	65.476	63.306
85.0	42.165	43.723	44.512	43.723	42.165	41.775	41.060	40.234	39.139	40.234
87.5	20.631	21.595	23.260	21.595	20.631	19.902	18.848	18.935	19.149	18.935
90.0	2.126	1.871	1.921	1.871	2.126	2.012	2.422	2.563	1.948	2.563
92.5	28.050	28.016	26.914	28.016	28.050	27.260	27.835	26.431	27.982	26.431
95.0	57.305	56.434	56.273	56.434	57.305	56.720	57.365	54.346	53.708	54.346
97.5	80.118	81.576	81.401	81.576	80.118	79.292	79.047	78.792	79.843	78.792
100.0	108.121	110.515	111.398	110.515	108.121	107.651	107.422	106.217	106.159	106.217
102.5	138.306	140.305	140.557	140.305	138.306	137.322	135.469	134.518	134.484	134.518
105.0	169.587	171.491	171.219	171.491	169.587	167.873	166.403	165.247	165.966	165.247
107.5	201.263	203.822	205.589	203.822	201.263	199.560	198.267	197.290	195.923	197.290
110.0	236.137	238.299	239.132	238.299	236.137	233.319	230.659	230.710	230.286	230.710
112.5	271.400	274.792	271.595	274.792	271.400	267.753	265.812	263.233	263.743	263.233
115.0	306.724	311.325	306.623	311.325	306.724	311.023	300.612	297.421	298.831	297.421
117.5	342.760	348.435	345.849	348.435	342.760	341.651	337.520	334.263	335.639	334.263
120.0	381.449	386.285	382.859	386.285	381.449	379.534	375.000	371.776	371.306	371.776
122.5	420.843	424.470	423.160	424.470	420.843	417.719	411.540	411.506	407.644	411.506
125.0	461.379	464.972	461.513	464.972	461.379	458.054	449.456	450.531	447.072	450.531
127.5	500.135	504.904	501.948	504.904	500.135	495.668	490.597	490.026	487.373	490.026
130.0	541.074	545.272	540.637	545.272	541.074	536.909	530.864	529.991	529.487	529.991
132.5	579.427	585.942	579.729	585.942	579.427	576.908	570.661	569.989	573.147	569.989
135.0	618.787	626.445	618.485	626.445	618.787	617.007	613.179	611.668	614.388	611.668
137.5	656.167	664.865	659.458	664.865	656.167	654.823	655.596	651.162	655.159	651.162
140.0	695.663	706.142	697.139	706.142	695.663	694.521	695.022	692.137	695.463	692.137
142.5	734.353	742.441	734.079	742.441	734.353	733.078	733.278	730.252	731.394	730.252
145.0	770.719	778.313	772.436	778.313	770.719	769.210	769.818	768.776	770.152	768.776
147.5	807.499	814.045	806.892	814.045	807.499	807.466	807.433	804.374	806.224	804.374
150.0	840.139	849.041	842.289	849.041	840.139	840.446	840.646	838.496	841.414	838.496
152.5	873.526	881.854	871.642	881.854	873.526	874.601	873.526	870.834	874.528	870.834
155.0	903.714	913.285	901.530	913.285	903.714	903.514	903.914	899.246	904.288	899.246
157.5	932.326	942.872	929.674	942.872	932.326	929.841	930.416	930.950	930.416	930.950
160.0	955.735	968.365	956.677	968.365	955.735	953.384	954.693	950.466	952.850	950.466
162.5	977.468	989.991	977.434	989.991	977.468	975.785	977.161	971.891	974.883	971.891
165.0	996.876	1008.130	996.709	1008.130	996.876	994.899	995.968	991.540	994.966	991.540
167.5	1013.533	1024.587	1012.558	1024.587	1013.533	1011.723	1012.658	1009.105	1012.832	1009.105
170.0	1027.238	1038.793	1025.662	1038.793	1027.238	1025.355	1027.338	1023.278	1027.539	1023.278
172.5	1038.419	1049.839	1036.001	1049.839	1038.419	1036.375	1038.519	1034.258	1038.759	1034.258
175.0	1046.446	1057.734	1043.595	1057.734	1046.446	1044.162	1046.413	1042.786	1047.221	1042.786
177.5	1050.948	1062.302	1048.297	1062.302	1050.948	1048.731	1051.249	1047.355	1052.257	1047.355
180.0	1053.312	1053.312	1053.312	1053.312	1053.312	1053.312	1053.312	1053.312	1053.312	1053.312

Vert.
Angles

Horizontal Angles

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0.0	966.241	966.241	966.241	966.241	966.241
2.5	963.596	962.755	962.220	974.042	959.629
5.0	957.518	957.452	957.285	969.139	955.000
7.5	947.914	948.115	948.883	960.945	947.948
10.0	934.610	936.059	939.586	954.760	941.563
12.5	917.352	923.864	923.964	937.569	923.497
15.0	898.678	904.015	904.181	918.528	906.098
17.5	877.653	880.104	882.689	897.536	886.216
20.0	851.058	853.843	859.921	874.868	864.389
22.5	819.989	825.532	833.961	848.100	840.406
25.0	788.017	796.579	805.649	823.048	817.504
27.5	756.754	766.859	776.463	791.811	783.790

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

30.0	722.458	734.180	743.790	756.079	753.829
32.5	688.103	701.473	709.161	727.434	721.256
35.0	658.618	664.999	677.056	693.679	689.478
37.5	616.604	629.501	642.061	657.544	656.167
40.0	580.569	592.894	606.026	621.306	618.754
42.5	545.003	557.933	569.654	584.263	583.557
45.0	508.396	523.006	533.786	549.168	548.026
47.5	472.764	486.600	498.321	511.486	511.486
50.0	436.795	450.363	461.345	475.954	474.745
52.5	403.513	415.402	425.813	439.650	438.340
55.0	370.937	381.046	392.094	403.782	404.420
57.5	338.091	347.864	356.798	367.377	370.097
60.0	305.616	314.079	324.322	332.852	335.170
62.5	272.296	281.918	291.712	299.973	302.122
65.0	244.079	252.888	260.317	266.809	269.103
67.5	215.368	221.648	229.259	235.210	236.553
70.0	188.441	193.156	197.975	204.615	206.771
72.5	160.049	164.458	169.620	170.144	175.396
75.0	135.226	137.017	141.910	145.674	147.058
77.5	109.595	111.519	115.106	118.649	120.701
80.0	85.579	87.980	89.575	92.524	94.116
82.5	64.136	65.136	66.749	67.934	68.699
85.0	41.060	41.775	42.165	43.723	44.512
87.5	18.848	19.902	20.631	21.595	23.260
90.0	2.422	2.012	2.126	1.871	1.921
92.5	27.835	27.260	28.050	28.016	26.914
95.0	57.365	56.720	57.305	56.434	56.273
97.5	79.047	79.292	80.118	81.576	81.401
100.0	107.422	107.651	108.121	110.515	111.398
102.5	135.469	137.322	138.306	140.305	140.557
105.0	166.403	167.873	169.587	171.491	171.219
107.5	198.267	199.560	201.263	203.822	205.589
110.0	230.659	233.319	236.137	238.299	239.132
112.5	265.812	267.753	271.400	274.792	271.595
115.0	300.612	311.023	306.724	311.325	306.623
117.5	337.520	341.651	342.760	348.435	345.849
120.0	375.000	379.534	381.449	386.285	382.859
122.5	411.540	417.719	420.843	424.470	423.160
125.0	449.456	458.054	461.379	464.972	461.513
127.5	490.597	495.668	500.135	504.904	501.948
130.0	530.864	536.909	541.074	545.272	540.637
132.5	570.661	576.908	579.427	585.942	579.729
135.0	613.179	617.007	618.787	626.445	618.485
137.5	655.596	654.823	656.167	664.865	659.458
140.0	695.022	694.521	695.663	706.142	697.139
142.5	733.278	733.078	734.353	742.441	734.079
145.0	769.818	769.210	770.719	778.313	772.436
147.5	807.433	807.466	807.499	814.045	806.892
150.0	840.646	840.446	840.139	849.041	842.289
152.5	873.526	874.601	873.526	881.854	871.642
155.0	903.914	903.514	903.714	913.285	901.530
157.5	930.416	929.841	932.326	942.872	929.674
160.0	954.693	953.384	955.735	968.365	956.677
162.5	977.161	975.785	977.468	989.991	977.434
165.0	995.968	994.899	996.876	1008.130	996.709
167.5	1012.658	1011.723	1013.533	1024.587	1012.558

IES INDOOR REPORT

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CANDELA TABULATION - (Cont.)

170.0	1027.338	1025.355	1027.238	1038.793	1025.662
172.5	1038.519	1036.375	1038.419	1049.839	1036.001
175.0	1046.413	1044.162	1046.446	1057.734	1043.595
177.5	1051.249	1048.731	1050.948	1062.302	1048.297
180.0	1053.312	1053.312	1053.312	1053.312	1053.312

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	345.10	N.A.	6.90
0-30	712.61	N.A.	14.20
0-40	1129.15	N.A.	22.50
0-60	1874.56	N.A.	37.30
0-80	2272.42	N.A.	45.20
0-90	2319.46	N.A.	46.20
10-90	2228.57	N.A.	44.40
20-40	784.06	N.A.	15.60
20-50	1187.36	N.A.	23.60
40-70	996.34	N.A.	19.80
60-80	397.86	N.A.	7.90
70-80	146.93	N.A.	2.90
80-90	47.03	N.A.	0.90
90-110	238.00	N.A.	4.70
90-120	539.97	N.A.	10.80
90-130	948.37	N.A.	18.90
90-150	1906.69	N.A.	38.00
90-180	2703.42	N.A.	53.80
110-180	2465.42	N.A.	49.10
0-180	5022.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

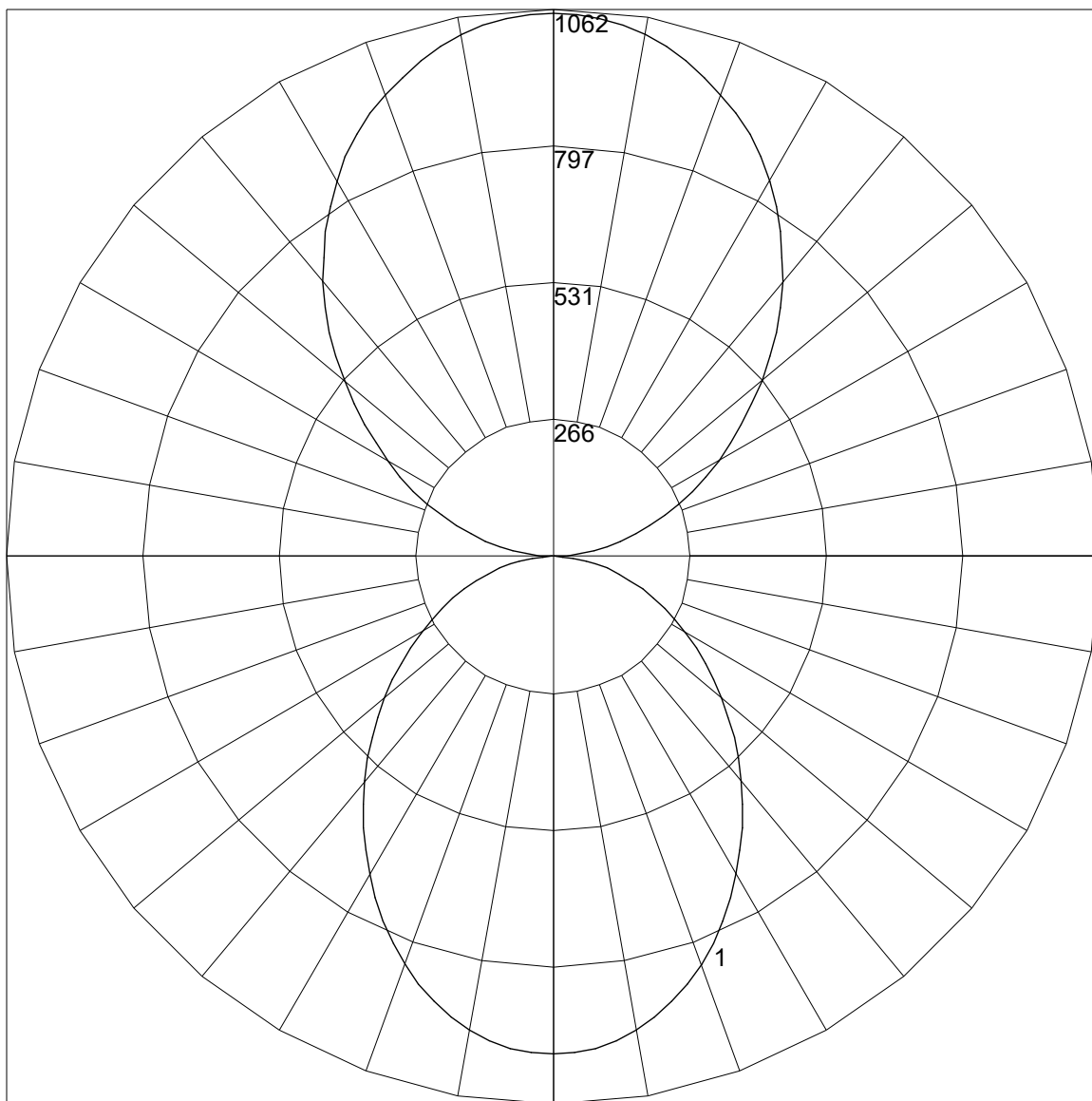
Zone	Lumens
0-10	90.89
10-20	254.20
20-30	367.51
30-40	416.54
40-50	403.30
50-60	342.11
60-70	250.93
70-80	146.93
80-90	47.03
90-100	59.53
100-110	178.47
110-120	301.97
120-130	408.40
130-140	475.96
140-150	482.37
150-160	416.26
160-170	281.12
170-180	99.35

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	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46
1	97	93	89	85	89	85	82	79	71	69	67	58	57	55	47	45	44	39
2	88	81	75	70	81	75	69	65	62	59	55	51	49	46	41	39	38	33
3	81	71	64	58	74	66	59	54	55	51	47	45	42	39	36	34	32	28
4	74	63	55	49	67	58	51	46	49	44	40	41	37	34	33	30	28	24
5	68	56	48	42	62	52	45	40	44	39	34	37	32	29	30	27	24	21
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	18
7	58	46	38	32	53	42	35	30	36	31	27	30	26	23	25	21	19	16
8	54	41	34	29	49	39	32	27	33	27	24	28	23	20	23	19	17	15
9	50	38	30	25	46	35	29	24	30	25	21	25	21	18	21	18	16	13
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12

POLAR GRAPH



Maximum Candela = 1062.302 Located At Horizontal Angle = 15, Vertical Angle = 177.5
1 - Vertical Plane Through Horizontal Angles (90 - 270)