

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-ASY-F-KPL2008-103.015.IES

DESCRIPTION INFORMATION (From Photometric File)

[TEST] KPL2008-103.015 Family Correlation File
[TESTLAB] Northern Lights Testing Laboratories
[ISSUEDATE] 8/22/2024
[TESTDATE] 12/4/2024
[MANUFAC] Finelite Inc.
[LUMCAT] HP3-P-ID-4ft-S-S-835-ASY-F
[LUMINAIRE] HP3-P-ID Series
[LAMPCAT] 320 LM561B+ LEDs with 80 CRI
[OTHER]INPUT ELECTRICAL: 277.0 VOLTS, 38.2 WATTS
[ABSOLUTELUMENS]5141
[LAMP] Samsung
[BALLAST] Osram
[BALLASTCAT] Oti50 x-2 @700mA

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5141
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
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)	0.25 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7576	7230	6878
55	6892	6494	6160
65	6224	5849	5533
75	5554	5175	4993
85	4992	4685	4389

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	874.523	874.523	874.523	874.523	874.523	874.523	874.523	874.523	874.523	874.523
2.5	868.538	881.583	870.884	871.367	872.129	870.854	873.405	870.854	872.129	871.367
5.0	864.349	877.146	866.417	866.568	866.628	865.383	867.813	865.383	866.628	866.568
7.5	857.966	869.729	858.812	858.117	857.936	856.261	858.389	856.261	857.936	858.117
10.0	852.187	864.132	850.398	847.206	845.895	843.102	845.320	843.102	845.895	847.206
12.5	835.836	848.572	836.259	836.168	830.275	827.325	828.419	827.325	830.275	836.168
15.0	820.089	831.339	818.354	818.203	813.373	808.326	809.148	808.326	813.373	818.203
17.5	802.094	812.340	798.902	796.563	794.344	786.045	787.018	786.045	794.344	796.563
20.0	782.339	791.824	778.295	772.794	770.274	762.796	762.700	762.796	770.274	772.794
22.5	760.632	767.596	754.799	747.170	742.153	736.864	736.012	736.864	742.153	747.170
25.0	739.905	744.922	729.175	720.966	713.217	707.776	707.807	707.776	713.217	720.966
27.5	709.390	716.650	702.759	694.067	684.921	678.538	676.132	678.538	684.921	694.067
30.0	682.273	684.310	673.188	664.489	653.881	647.165	645.188	647.165	653.881	664.489
32.5	652.793	658.384	641.845	634.888	622.786	615.460	612.607	615.460	622.786	634.888
35.0	624.031	627.834	612.788	601.876	596.101	582.483	581.540	582.483	596.101	601.876
37.5	593.882	595.128	581.115	569.747	558.074	550.171	547.922	550.171	558.074	569.747
40.0	560.020	562.330	548.500	536.615	525.460	517.861	514.487	517.861	525.460	536.615
42.5	528.165	528.803	515.581	504.972	493.270	485.671	482.266	485.671	493.270	504.972
45.0	496.006	497.039	483.117	473.361	460.138	452.722	450.350	452.722	460.138	473.361
47.5	462.934	462.934	451.019	440.411	427.888	420.349	418.070	420.349	427.888	440.411
50.0	429.681	430.775	417.553	407.613	395.333	389.133	386.397	389.133	395.333	407.613
52.5	396.732	397.917	385.394	375.971	365.211	358.189	356.487	358.189	365.211	375.971
55.0	366.032	365.454	354.876	344.876	335.726	330.620	327.185	330.620	335.726	344.876
57.5	334.967	332.505	322.930	314.844	305.999	299.919	297.822	299.919	305.999	314.844
60.0	303.355	301.257	293.537	284.266	276.606	271.621	269.311	271.621	276.606	284.266
62.5	273.444	271.499	264.022	255.158	246.449	243.258	241.972	243.258	246.449	255.158
65.0	243.559	241.483	235.607	228.884	220.910	218.282	216.512	218.282	220.910	228.884
67.5	214.099	212.883	207.497	200.609	194.925	192.372	191.180	192.372	194.925	200.609
70.0	187.144	185.192	179.182	174.821	170.554	167.319	166.620	167.319	170.554	174.821
72.5	158.747	153.993	153.519	148.847	144.856	142.716	142.297	142.716	144.856	148.847
75.0	133.099	131.847	128.439	124.011	122.390	119.451	119.664	119.451	122.390	124.011
77.5	109.244	107.387	104.180	100.933	99.192	97.067	97.220	97.067	99.192	100.933
80.0	85.182	83.741	81.073	79.629	77.456	76.346	75.705	76.346	77.456	79.629
82.5	62.178	61.485	60.413	58.953	58.048	57.297	59.260	57.297	58.048	58.953
85.0	40.287	39.573	38.162	37.810	37.162	36.415	35.424	36.415	37.162	37.810
87.5	21.052	19.545	18.672	18.013	17.058	17.138	17.332	17.138	17.058	18.013
90.0	1.738	1.693	1.924	1.821	2.192	2.319	1.763	2.319	2.192	1.821
92.5	14.432	14.633	15.581	15.648	16.116	17.107	18.949	26.262	33.381	35.637
95.0	29.800	29.563	29.667	29.764	29.606	58.640	43.400	62.920	61.583	63.589
97.5	42.664	42.196	41.886	41.905	78.666	110.028	68.951	89.851	84.562	83.833
100.0	54.032	52.823	55.625	81.492	155.118	161.319	95.985	124.138	126.084	119.640
102.5	67.018	68.526	115.871	231.924	210.488	201.855	123.999	153.258	162.802	171.070
105.0	148.941	179.016	236.629	335.453	306.394	238.604	152.273	176.784	205.843	210.767
107.5	239.851	367.005	447.250	413.389	387.369	276.970	181.751	198.974	248.094	244.994
110.0	491.569	522.451	574.307	547.862	450.898	309.130	210.846	220.920	279.949	296.789
112.5	665.432	683.065	699.966	694.435	492.723	340.012	243.139	245.176	301.895	346.152
115.0	822.767	841.609	865.746	812.430	525.308	373.631	271.986	268.520	320.680	390.956
117.5	1025.450	1031.833	1053.837	857.537	561.053	401.777	300.558	290.527	336.912	409.255
120.0	1189.102	1214.024	1199.130	869.451	585.857	428.709	329.495	312.352	351.806	427.675
122.5	1420.963	1407.465	1225.818	874.988	608.109	452.174	354.724	333.203	368.524	440.198
125.0	1521.881	1453.974	1202.473	878.815	626.038	473.938	379.649	357.642	384.512	447.675
127.5	1497.442	1412.391	1170.012	877.539	641.785	498.194	405.851	385.181	399.528	455.397
130.0	1440.536	1356.156	1139.619	876.324	656.921	520.383	432.903	407.188	415.212	464.819
132.5	1378.776	1302.720	1107.581	872.740	669.265	544.153	460.381	431.201	430.411	476.127

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CANDELA TABULATION - (Cont.)

135.0	1314.332	1250.076	1079.491	868.786	682.823	567.984	488.528	453.633	443.663	487.130
137.5	1254.029	1201.687	1050.433	864.470	699.477	591.693	515.824	476.735	460.381	498.194
140.0	1197.244	1152.198	1022.953	860.396	715.224	616.802	545.247	500.930	475.275	509.562
142.5	1147.030	1108.367	999.367	856.382	731.696	640.933	571.692	527.132	498.680	519.532
145.0	1105.937	1072.316	979.546	856.020	748.839	664.586	599.414	554.671	527.861	527.314
147.5	1064.596	1037.243	959.791	859.362	766.532	689.630	628.474	587.012	556.312	536.554
150.0	1030.552	1008.307	945.078	863.497	782.460	712.304	655.283	617.956	578.562	549.199
152.5	1000.158	983.620	937.177	869.451	797.415	734.857	682.884	645.920	601.055	575.218
155.0	981.432	968.363	931.036	875.593	812.370	756.625	709.022	672.064	623.125	606.042
157.5	967.692	957.053	927.874	880.338	824.163	776.929	732.790	709.511	649.444	628.293
160.0	956.267	948.360	925.444	882.218	834.010	794.435	754.920	724.097	680.025	649.383
162.5	946.541	938.936	919.666	881.855	841.367	810.792	775.043	749.812	712.425	674.373
165.0	933.406	927.814	911.342	878.815	847.569	824.345	792.676	772.003	737.233	703.732
167.5	917.356	912.738	900.032	874.196	851.824	836.138	809.269	793.522	759.846	740.388
170.0	899.609	895.293	888.057	868.968	854.255	844.287	821.612	810.913	782.702	762.276
172.5	881.372	880.338	875.714	862.705	854.376	849.818	830.244	825.137	803.007	786.045
175.0	867.384	865.256	864.289	856.020	852.677	852.496	837.111	837.414	820.639	809.692
177.5	853.892	852.369	853.952	848.240	849.207	852.858	840.636	845.441	834.923	827.627
180.0	843.162	843.162	843.162	843.162	843.162	843.162	843.162	843.162	843.162	843.162

**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	874.523	874.523	874.523	874.523	874.523	874.523	874.523	874.523	874.523	874.523
2.5	870.884	881.583	868.538	881.583	870.884	871.367	872.129	870.854	873.405	870.854
5.0	866.417	877.146	864.349	877.146	866.417	866.568	866.628	865.383	867.813	865.383
7.5	858.812	869.729	857.966	869.729	858.812	858.117	857.936	856.261	858.389	856.261
10.0	850.398	864.132	852.187	864.132	850.398	847.206	845.895	843.102	845.320	843.102
12.5	836.259	848.572	835.836	848.572	836.259	836.168	830.275	827.325	828.419	827.325
15.0	818.354	831.339	820.089	831.339	818.354	818.203	813.373	808.326	809.148	808.326
17.5	798.902	812.340	802.094	812.340	798.902	796.563	794.344	786.045	787.018	786.045
20.0	778.295	791.824	782.339	791.824	778.295	772.794	770.274	762.796	762.700	762.796
22.5	754.799	767.596	760.632	767.596	754.799	747.170	742.153	736.864	736.012	736.864
25.0	729.175	744.922	739.905	744.922	729.175	720.966	713.217	707.776	707.807	707.776
27.5	702.759	716.650	709.390	716.650	702.759	694.067	684.921	678.538	676.132	678.538
30.0	673.188	684.310	682.273	684.310	673.188	664.489	653.881	647.165	645.188	647.165
32.5	641.845	658.384	652.793	658.384	641.845	634.888	622.786	615.460	612.607	615.460
35.0	612.788	627.834	624.031	627.834	612.788	601.876	596.101	582.483	581.540	582.483
37.5	581.115	595.128	593.882	595.128	581.115	569.747	558.074	550.171	547.922	550.171
40.0	548.500	562.330	560.020	562.330	548.500	536.615	525.460	517.861	514.487	517.861
42.5	515.581	528.803	528.165	528.803	515.581	504.972	493.270	485.671	482.266	485.671
45.0	483.117	497.039	496.006	497.039	483.117	473.361	460.138	452.722	450.350	452.722
47.5	451.019	462.934	462.934	462.934	451.019	440.411	427.888	420.349	418.070	420.349
50.0	417.553	430.775	429.681	430.775	417.553	407.613	395.333	389.133	386.397	389.133
52.5	385.394	397.917	396.732	397.917	385.394	375.971	365.211	358.189	356.487	358.189
55.0	354.876	365.454	366.032	365.454	354.876	344.876	335.726	330.620	327.185	330.620
57.5	322.930	332.505	334.967	332.505	322.930	314.844	305.999	299.919	297.822	299.919
60.0	293.537	301.257	303.355	301.257	293.537	284.266	276.606	271.621	269.311	271.621
62.5	264.022	271.499	273.444	271.499	264.022	255.158	246.449	243.258	241.972	243.258
65.0	235.607	241.483	243.559	241.483	235.607	228.884	220.910	218.282	216.512	218.282
67.5	207.497	212.883	214.099	212.883	207.497	200.609	194.925	192.372	191.180	192.372
70.0	179.182	185.192	187.144	185.192	179.182	174.821	170.554	167.319	166.620	167.319
72.5	153.519	153.993	158.747	153.993	153.519	148.847	144.856	142.716	142.297	142.716
75.0	128.439	131.847	133.099	131.847	128.439	124.011	122.390	119.451	119.664	119.451
77.5	104.180	107.387	109.244	107.387	104.180	100.933	99.192	97.067	97.220	97.067
80.0	81.073	83.741	85.182	83.741	81.073	79.629	77.456	76.346	75.705	76.346

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CANDELA TABULATION - (Cont.)

82.5	60.413	61.485	62.178	61.485	60.413	58.953	58.048	57.297	59.260	57.297
85.0	38.162	39.573	40.287	39.573	38.162	37.810	37.162	36.415	35.424	36.415
87.5	18.672	19.545	21.052	19.545	18.672	18.013	17.058	17.138	17.332	17.138
90.0	1.924	1.693	1.738	1.693	1.924	1.821	2.192	2.319	1.763	2.319
92.5	36.749	35.922	37.023	35.922	36.749	35.637	33.381	26.262	18.949	17.107
95.0	65.352	66.690	67.601	66.690	65.352	63.589	61.583	62.920	43.400	58.640
97.5	89.851	92.465	93.134	92.465	89.851	83.833	84.562	89.851	68.951	110.028
100.0	106.205	110.764	112.466	110.764	106.205	119.640	126.084	124.138	95.985	161.319
102.5	162.985	134.048	127.056	134.048	162.985	171.070	162.802	153.258	123.999	201.855
105.0	222.500	211.011	199.034	211.011	222.500	210.767	205.843	176.784	152.273	238.604
107.5	263.961	261.225	261.043	261.225	263.961	244.994	248.094	198.974	181.751	276.970
110.0	296.242	306.333	307.853	306.333	296.242	296.789	279.949	220.920	210.846	309.130
112.5	331.137	338.067	341.046	338.067	331.137	346.152	301.895	245.176	243.139	340.012
115.0	403.844	375.029	373.631	375.029	403.844	390.956	320.680	268.520	271.986	373.631
117.5	456.977	459.104	433.208	459.104	456.977	409.255	336.912	290.527	300.558	401.777
120.0	488.711	526.462	530.475	526.462	488.711	427.675	351.806	312.352	329.495	428.709
122.5	511.265	555.765	570.841	555.765	511.265	440.198	368.524	333.203	354.724	452.174
125.0	526.037	576.252	591.632	576.252	526.037	447.675	384.512	357.642	379.649	473.938
127.5	532.116	591.632	605.250	591.632	532.116	455.397	399.528	385.181	405.851	498.194
130.0	531.812	594.611	613.882	594.611	531.812	464.819	415.212	407.188	432.903	520.383
132.5	532.724	587.194	606.465	587.194	532.724	476.127	430.411	431.201	460.381	544.153
135.0	536.676	579.595	596.374	579.595	536.676	487.130	443.663	453.633	488.528	567.984
137.5	541.721	577.468	590.660	577.468	541.721	498.194	460.381	476.735	515.824	591.693
140.0	548.044	577.954	588.958	577.954	548.044	509.562	475.275	500.930	545.247	616.802
142.5	552.968	579.535	588.958	579.535	552.968	519.532	498.680	527.132	571.692	640.933
145.0	558.379	579.960	588.836	579.960	558.379	527.314	527.861	554.671	599.414	664.586
147.5	562.209	579.899	587.498	579.899	562.209	536.554	556.312	587.012	628.474	689.630
150.0	564.397	580.021	586.890	580.021	564.397	549.199	578.562	617.956	655.283	712.304
152.5	567.984	578.076	583.972	578.076	567.984	575.218	601.055	645.920	682.884	734.857
155.0	577.650	578.866	582.513	578.866	577.650	606.042	623.125	672.064	709.022	756.625
157.5	605.861	588.045	587.741	588.045	605.861	628.293	649.444	709.511	732.790	776.929
160.0	636.677	618.809	610.600	618.809	636.677	649.383	680.025	724.097	754.920	794.435
162.5	659.539	649.994	647.195	649.994	659.539	674.373	712.425	749.812	775.043	810.792
165.0	684.764	672.064	670.419	672.064	684.764	703.732	737.233	772.003	792.676	824.345
167.5	716.439	700.752	699.235	700.752	716.439	740.388	759.846	793.522	809.269	836.138
170.0	754.678	741.301	737.656	741.301	754.678	762.276	782.702	810.913	821.612	844.287
172.5	778.265	768.841	769.512	768.841	778.265	786.045	803.007	825.137	830.244	849.818
175.0	804.409	796.261	798.328	796.261	804.409	809.692	820.639	837.414	837.111	852.496
177.5	827.748	822.096	822.519	822.096	827.748	827.627	834.923	845.441	840.636	852.858
180.0	843.162	843.162	843.162	843.162	843.162	843.162	843.162	843.162	843.162	843.162

Vert. Angles	Horizontal Angles				
	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0.0	874.523	874.523	874.523	874.523	874.523
2.5	872.129	871.367	870.884	881.583	868.538
5.0	866.628	866.568	866.417	877.146	864.349
7.5	857.936	858.117	858.812	869.729	857.966
10.0	845.895	847.206	850.398	864.132	852.187
12.5	830.275	836.168	836.259	848.572	835.836
15.0	813.373	818.203	818.354	831.339	820.089
17.5	794.344	796.563	798.902	812.340	802.094
20.0	770.274	772.794	778.295	791.824	782.339
22.5	742.153	747.170	754.799	767.596	760.632
25.0	713.217	720.966	729.175	744.922	739.905
27.5	684.921	694.067	702.759	716.650	709.390

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HP3-P-ID-4FT-S-S-835-ASY-F-KPL2008-103.015.IES****CANDELA TABULATION - (Cont.)**

30.0	653.881	664.489	673.188	684.310	682.273
32.5	622.786	634.888	641.845	658.384	652.793
35.0	596.101	601.876	612.788	627.834	624.031
37.5	558.074	569.747	581.115	595.128	593.882
40.0	525.460	536.615	548.500	562.330	560.020
42.5	493.270	504.972	515.581	528.803	528.165
45.0	460.138	473.361	483.117	497.039	496.006
47.5	427.888	440.411	451.019	462.934	462.934
50.0	395.333	407.613	417.553	430.775	429.681
52.5	365.211	375.971	385.394	397.917	396.732
55.0	335.726	344.876	354.876	365.454	366.032
57.5	305.999	314.844	322.930	332.505	334.967
60.0	276.606	284.266	293.537	301.257	303.355
62.5	246.449	255.158	264.022	271.499	273.444
65.0	220.910	228.884	235.607	241.483	243.559
67.5	194.925	200.609	207.497	212.883	214.099
70.0	170.554	174.821	179.182	185.192	187.144
72.5	144.856	148.847	153.519	153.993	158.747
75.0	122.390	124.011	128.439	131.847	133.099
77.5	99.192	100.933	104.180	107.387	109.244
80.0	77.456	79.629	81.073	83.741	85.182
82.5	58.048	58.953	60.413	61.485	62.178
85.0	37.162	37.810	38.162	39.573	40.287
87.5	17.058	18.013	18.672	19.545	21.052
90.0	2.192	1.821	1.924	1.693	1.738
92.5	16.116	15.648	15.581	14.633	14.432
95.0	29.606	29.764	29.667	29.563	29.800
97.5	78.666	41.905	41.886	42.196	42.664
100.0	155.118	81.493	55.625	52.823	54.032
102.5	210.488	231.924	115.871	68.526	67.018
105.0	306.394	335.453	236.629	179.016	148.941
107.5	387.369	413.389	447.250	367.005	239.851
110.0	450.898	547.862	574.307	522.451	491.569
112.5	492.723	694.435	699.966	683.065	665.432
115.0	525.308	812.430	865.746	841.609	822.767
117.5	561.053	857.537	1053.837	1031.833	1025.450
120.0	585.857	869.451	1199.130	1214.024	1189.102
122.5	608.109	874.988	1225.818	1407.465	1420.963
125.0	626.038	878.815	1202.473	1453.974	1521.881
127.5	641.785	877.539	1170.012	1412.391	1497.442
130.0	656.921	876.324	1139.619	1356.156	1440.536
132.5	669.265	872.740	1107.581	1302.720	1378.776
135.0	682.823	868.786	1079.491	1250.076	1314.332
137.5	699.477	864.470	1050.433	1201.687	1254.029
140.0	715.224	860.396	1022.953	1152.198	1197.244
142.5	731.696	856.382	999.367	1108.367	1147.030
145.0	748.839	856.020	979.546	1072.316	1105.937
147.5	766.532	859.362	959.791	1037.243	1064.596
150.0	782.460	863.497	945.078	1008.307	1030.552
152.5	797.415	869.451	937.177	983.620	1000.158
155.0	812.370	875.593	931.036	968.363	981.432
157.5	824.163	880.338	927.874	957.053	967.692
160.0	834.010	882.218	925.444	948.360	956.267
162.5	841.367	881.855	919.666	938.936	946.541
165.0	847.569	878.815	911.342	927.814	933.406
167.5	851.824	874.196	900.032	912.738	917.356

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HP3-P-ID-4FT-S-S-835-ASY-F-KPL2008-103.015.IES****CANDELA TABULATION - (Cont.)**

170.0	854.255	868.968	888.057	895.293	899.609
172.5	854.376	862.705	875.714	880.338	881.372
175.0	852.677	856.020	864.289	865.256	867.384
177.5	849.207	848.240	853.952	852.369	853.892
180.0	843.162	843.162	843.162	843.162	843.162

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HP3-P-ID-4FT-S-S-835-ASY-F-KPL2008-103.015.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	312.34	N.A.	6.10
0-30	644.97	N.A.	12.50
0-40	1021.97	N.A.	19.90
0-60	1696.62	N.A.	33.00
0-80	2056.72	N.A.	40.00
0-90	2099.29	N.A.	40.80
10-90	2017.02	N.A.	39.20
20-40	709.63	N.A.	13.80
20-50	1074.65	N.A.	20.90
40-70	901.76	N.A.	17.50
60-80	360.10	N.A.	7.00
70-80	132.98	N.A.	2.60
80-90	42.57	N.A.	0.80
90-110	293.39	N.A.	5.70
90-120	791.30	N.A.	15.40
90-130	1406.11	N.A.	27.30
90-150	2394.62	N.A.	46.60
90-180	3042.07	N.A.	59.20
110-180	2748.68	N.A.	53.50
0-180	5141.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.27
10-20	230.07
20-30	332.63
30-40	377.00
40-50	365.02
50-60	309.63
60-70	227.11
70-80	132.98
80-90	42.57
90-100	54.90
100-110	238.49
110-120	497.91
120-130	614.81
130-140	542.47
140-150	446.04
150-160	343.27
160-170	224.90
170-180	79.27

IES INDOOR REPORT

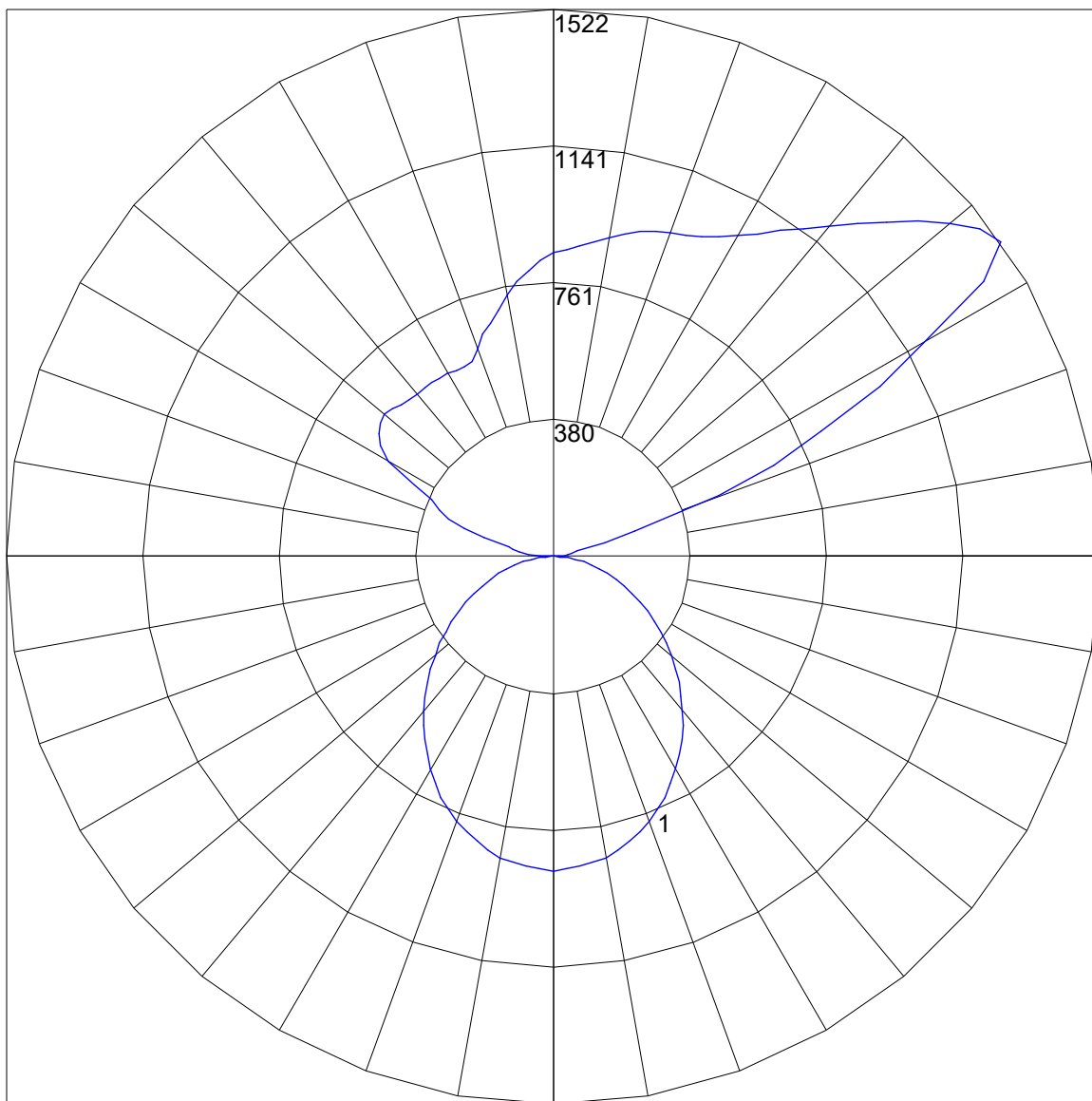
PHOTOMETRIC FILENAME : HP3-P-ID-4FT-S-S-835-ASY-F-KPL2008-103.015.IES

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	92	88	84	87	84	80	77	69	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	46	43	37	36	34	29
3	80	70	63	57	72	64	58	53	53	49	45	43	40	37	33	31	29	25
4	73	62	55	49	66	57	50	45	47	42	38	38	35	32	30	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22	19
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	22	19	16
7	57	45	37	32	52	41	34	30	35	29	25	28	24	21	22	19	17	15
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	16	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	32	25	21	27	22	18	22	18	15	18	15	13	11

POLAR GRAPH



Maximum Candela = 1521.881 Located At Horizontal Angle = 0, Vertical Angle = 125
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)