

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-B-835-ASY-F-KPL2008-103.014.IES

DESCRIPTION INFORMATION (From Photometric File)

[TEST] KPL2008-103.014 Family Correlation File
[TESTLAB] Northern Lights Testing Laboratories
[ISSUE DATE] 8/22/2024
[TEST DATE] 12/4/2024
[MANUFAC] Finelite Inc.
[LUMCAT] HP3-P-ID-4ft-S-B-835-ASY-F
[LUMINAIRE] HP3-P-ID Series
[LAMPCAT] 320 LM561B+ LEDs with 80 CRI
[OTHER] INPUT ELECTRICAL: 277.0 VOLTS, 43.0 WATTS
[ABSOLUTE LUMENS] 5668
[LAMP] Samsung
[BALLAST] Osram
[BALLAST CAT] Oti50 x-2 @700mA

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5669
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	43
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	9478	9046	8606
55	8623	8125	7708
65	7787	7318	6922
75	6949	6474	6247
85	6246	5862	5492

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	1094.168	1094.168	1094.168	1094.168	1094.168	1094.168	1094.168	1094.168	1094.168	1094.168
2.5	1086.681	1103.002	1089.615	1090.220	1091.173	1089.577	1092.769	1089.577	1091.173	1090.220
5.0	1081.439	1097.451	1084.026	1084.215	1084.291	1082.733	1085.773	1082.733	1084.291	1084.215
7.5	1073.453	1088.171	1074.512	1073.642	1073.415	1071.320	1073.982	1071.320	1073.415	1073.642
10.0	1066.223	1081.167	1063.984	1059.991	1058.350	1054.855	1057.631	1054.855	1058.350	1059.991
12.5	1045.765	1061.700	1046.294	1046.181	1038.807	1035.116	1036.485	1035.116	1038.807	1046.181
15.0	1026.063	1040.138	1023.892	1023.703	1017.660	1011.345	1012.374	1011.345	1017.660	1023.703
17.5	1003.548	1016.367	999.554	996.628	993.852	983.468	984.685	983.468	993.852	996.628
20.0	978.832	990.698	973.772	966.890	963.736	954.380	954.259	954.380	963.736	966.890
22.5	951.673	960.385	944.374	934.830	928.553	921.935	920.869	921.935	928.553	934.830
25.0	925.739	932.016	912.315	902.044	892.348	885.542	885.579	885.542	892.348	902.044
27.5	887.561	896.644	879.264	868.389	856.946	848.959	845.949	848.959	856.946	868.389
30.0	853.633	856.182	842.266	831.383	818.109	809.707	807.234	809.707	818.109	831.383
32.5	816.748	823.744	803.051	794.346	779.205	770.039	766.469	770.039	779.205	794.346
35.0	780.763	785.520	766.696	753.043	745.817	728.779	727.600	728.779	745.817	753.043
37.5	743.041	744.600	727.068	712.845	698.241	688.353	685.538	688.353	698.241	712.845
40.0	700.675	703.565	686.261	671.391	657.434	647.927	643.705	647.927	657.434	671.391
42.5	660.819	661.617	645.074	631.801	617.159	607.652	603.392	607.652	617.159	631.801
45.0	620.582	621.876	604.457	592.250	575.706	566.427	563.460	566.427	575.706	592.250
47.5	579.205	579.205	564.297	551.024	535.356	525.924	523.072	525.924	535.356	551.024
50.0	537.600	538.969	522.426	509.990	494.625	486.867	483.444	486.867	494.625	509.990
52.5	496.375	497.858	482.189	470.400	456.937	448.152	446.022	448.152	456.937	470.400
55.0	457.964	457.241	444.007	431.495	420.048	413.658	409.361	413.658	420.048	431.495
57.5	419.097	416.017	404.037	393.920	382.853	375.247	372.624	375.247	382.853	393.920
60.0	379.545	376.921	367.261	355.662	346.078	339.841	336.951	339.841	346.078	355.662
62.5	342.123	339.689	330.333	319.244	308.347	304.355	302.746	304.355	308.347	319.244
65.0	304.731	302.134	294.782	286.370	276.394	273.105	270.892	273.105	276.394	286.370
67.5	267.872	266.351	259.612	250.994	243.882	240.688	239.197	240.688	243.882	250.994
70.0	234.147	231.705	224.186	218.729	213.390	209.343	208.468	209.343	213.390	218.729
72.5	198.618	192.670	192.077	186.232	181.238	178.561	178.036	178.561	181.238	186.232
75.0	166.528	164.961	160.698	155.157	153.130	149.452	149.719	149.452	153.130	155.157
77.5	136.682	134.358	130.346	126.284	124.105	121.447	121.637	121.447	124.105	126.284
80.0	106.577	104.774	101.435	99.629	96.910	95.521	94.719	95.521	96.910	99.629
82.5	77.795	76.928	75.586	73.760	72.627	71.688	74.144	71.688	72.627	73.760
85.0	50.405	49.512	47.747	47.306	46.496	45.560	44.321	45.560	46.496	47.306
87.5	26.340	24.454	23.362	22.537	21.343	21.442	21.685	21.442	21.343	22.537
90.0	2.175	2.118	2.407	2.278	2.742	2.902	2.206	2.902	2.742	2.278
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	1094.168	1094.168	1094.168	1094.168	1094.168	1094.168	1094.168	1094.168	1094.168	1094.168
2.5	1089.615	1103.002	1086.681	1103.002	1089.615	1090.220	1091.173	1089.577	1092.769	1089.577
5.0	1084.026	1097.451	1081.439	1097.451	1084.026	1084.215	1084.291	1082.733	1085.773	1082.733
7.5	1074.512	1088.171	1073.453	1088.171	1074.512	1073.642	1073.415	1071.320	1073.982	1071.320
10.0	1063.984	1081.167	1066.223	1081.167	1063.984	1059.991	1058.350	1054.855	1057.631	1054.855
12.5	1046.294	1061.700	1045.765	1061.700	1046.294	1046.181	1038.807	1035.116	1036.485	1035.116
15.0	1023.892	1040.138	1026.063	1040.138	1023.892	1023.703	1017.660	1011.345	1012.374	1011.345
17.5	999.554	1016.367	1003.548	1016.367	999.554	996.628	993.852	983.468	984.685	983.468
20.0	973.772	990.698	978.832	990.698	973.772	966.890	963.736	954.380	954.259	954.380
22.5	944.374	960.385	951.673	960.385	944.374	934.830	928.553	921.935	920.869	921.935
25.0	912.315	932.016	925.739	932.016	912.315	902.044	892.348	885.542	885.579	885.542
27.5	879.264	896.644	887.561	896.644	879.264	868.389	856.946	848.959	845.949	848.959
30.0	842.266	856.182	853.633	856.182	842.266	831.383	818.109	809.707	807.234	809.707
32.5	803.051	823.744	816.748	823.744	803.051	794.346	779.205	770.039	766.469	770.039
35.0	766.696	785.520	780.763	785.520	766.696	753.043	745.817	728.779	727.600	728.779
37.5	727.068	744.600	743.041	744.600	727.068	712.845	698.241	688.353	685.538	688.353
40.0	686.261	703.565	700.675	703.565	686.261	671.391	657.434	647.927	643.705	647.927
42.5	645.074	661.617	660.819	661.617	645.074	631.801	617.159	607.652	603.392	607.652
45.0	604.457	621.876	620.582	621.876	604.457	592.250	575.706	566.427	563.460	566.427
47.5	564.297	579.205	579.205	579.205	564.297	551.024	535.356	525.924	523.072	525.924
50.0	522.426	538.969	537.600	538.969	522.426	509.990	494.625	486.867	483.444	486.867
52.5	482.189	497.858	496.375	497.858	482.189	470.400	456.937	448.152	446.022	448.152
55.0	444.007	457.241	457.964	457.241	444.007	431.495	420.048	413.658	409.361	413.658
57.5	404.037	416.017	419.097	416.017	404.037	393.920	382.853	375.247	372.624	375.247
60.0	367.261	376.921	379.545	376.921	367.261	355.662	346.078	339.841	336.951	339.841
62.5	330.333	339.689	342.123	339.689	330.333	319.244	308.347	304.355	302.746	304.355
65.0	294.782	302.134	304.731	302.134	294.782	286.370	276.394	273.105	270.892	273.105
67.5	259.612	266.351	267.872	266.351	259.612	250.994	243.882	240.688	239.197	240.688
70.0	224.186	231.705	234.147	231.705	224.186	218.729	213.390	209.343	208.468	209.343
72.5	192.077	192.670	198.618	192.670	192.077	186.232	181.238	178.561	178.036	178.561
75.0	160.698	164.961	166.528	164.961	160.698	155.157	153.130	149.452	149.719	149.452
77.5	130.346	134.358	136.682	134.358	130.346	126.284	124.105	121.447	121.637	121.447
80.0	101.435	104.774	106.577	104.774	101.435	99.629	96.910	95.521	94.719	95.521

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CANDELA TABULATION - (Cont.)

82.5	75.586	76.928	77.795	76.928	75.586	73.760	72.627	71.688	74.144	71.688
85.0	47.747	49.512	50.405	49.512	47.747	47.306	46.496	45.560	44.321	45.560
87.5	23.362	24.454	26.340	24.454	23.362	22.537	21.343	21.442	21.685	21.442
90.0	2.407	2.118	2.175	2.118	2.407	2.278	2.742	2.902	2.206	2.902
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	1094.168	1094.168	1094.168	1094.168	1094.168
2.5	1091.173	1090.220	1089.615	1103.002	1086.681
5.0	1084.291	1084.215	1084.026	1097.451	1081.439
7.5	1073.415	1073.642	1074.512	1088.171	1073.453
10.0	1058.350	1059.991	1063.984	1081.167	1066.223
12.5	1038.807	1046.181	1046.294	1061.700	1045.765
15.0	1017.660	1023.703	1023.892	1040.138	1026.063
17.5	993.852	996.628	999.554	1016.367	1003.548
20.0	963.736	966.890	973.772	990.698	978.832
22.5	928.553	934.830	944.374	960.385	951.673
25.0	892.348	902.044	912.315	932.016	925.739
27.5	856.946	868.389	879.264	896.644	887.561

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CANDELA TABULATION - (Cont.)

30.0	818.109	831.383	842.266	856.182	853.633
32.5	779.205	794.346	803.051	823.744	816.748
35.0	745.817	753.043	766.696	785.520	780.763
37.5	698.241	712.845	727.068	744.600	743.041
40.0	657.434	671.391	686.261	703.565	700.675
42.5	617.159	631.801	645.074	661.617	660.819
45.0	575.706	592.250	604.457	621.876	620.582
47.5	535.356	551.024	564.297	579.205	579.205
50.0	494.625	509.990	522.426	538.969	537.600
52.5	456.937	470.400	482.189	497.858	496.375
55.0	420.048	431.495	444.007	457.241	457.964
57.5	382.853	393.920	404.037	416.017	419.097
60.0	346.078	355.662	367.261	376.921	379.545
62.5	308.347	319.244	330.333	339.689	342.123
65.0	276.394	286.370	294.782	302.134	304.731
67.5	243.882	250.994	259.612	266.351	267.872
70.0	213.390	218.729	224.186	231.705	234.147
72.5	181.238	186.232	192.077	192.670	198.618
75.0	153.130	155.157	160.698	164.961	166.528
77.5	124.105	126.284	130.346	134.358	136.682
80.0	96.910	99.629	101.435	104.774	106.577
82.5	72.627	73.760	75.586	76.928	77.795
85.0	46.496	47.306	47.747	49.512	50.405
87.5	21.343	22.537	23.362	24.454	26.340
90.0	2.742	2.278	2.407	2.118	2.175
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

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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-B-835-ASY-F-KPL2008-103.014.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	390.79	N.A.	6.90
0-30	806.96	N.A.	14.20
0-40	1278.65	N.A.	22.60
0-60	2122.75	N.A.	37.40
0-80	2573.29	N.A.	45.40
0-90	2626.55	N.A.	46.30
10-90	2523.62	N.A.	44.50
20-40	887.86	N.A.	15.70
20-50	1344.56	N.A.	23.70
40-70	1128.25	N.A.	19.90
60-80	450.54	N.A.	7.90
70-80	166.39	N.A.	2.90
80-90	53.26	N.A.	0.90
90-110	293.46	N.A.	5.20
90-120	791.37	N.A.	14.00
90-130	1406.18	N.A.	24.80
90-150	2394.69	N.A.	42.20
90-180	3042.14	N.A.	53.70
110-180	2748.68	N.A.	48.50
0-180	5668.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	102.93
10-20	287.86
20-30	416.17
30-40	471.69
40-50	456.69
50-60	387.40
60-70	284.16
70-80	166.39
80-90	53.26
90-100	54.97
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

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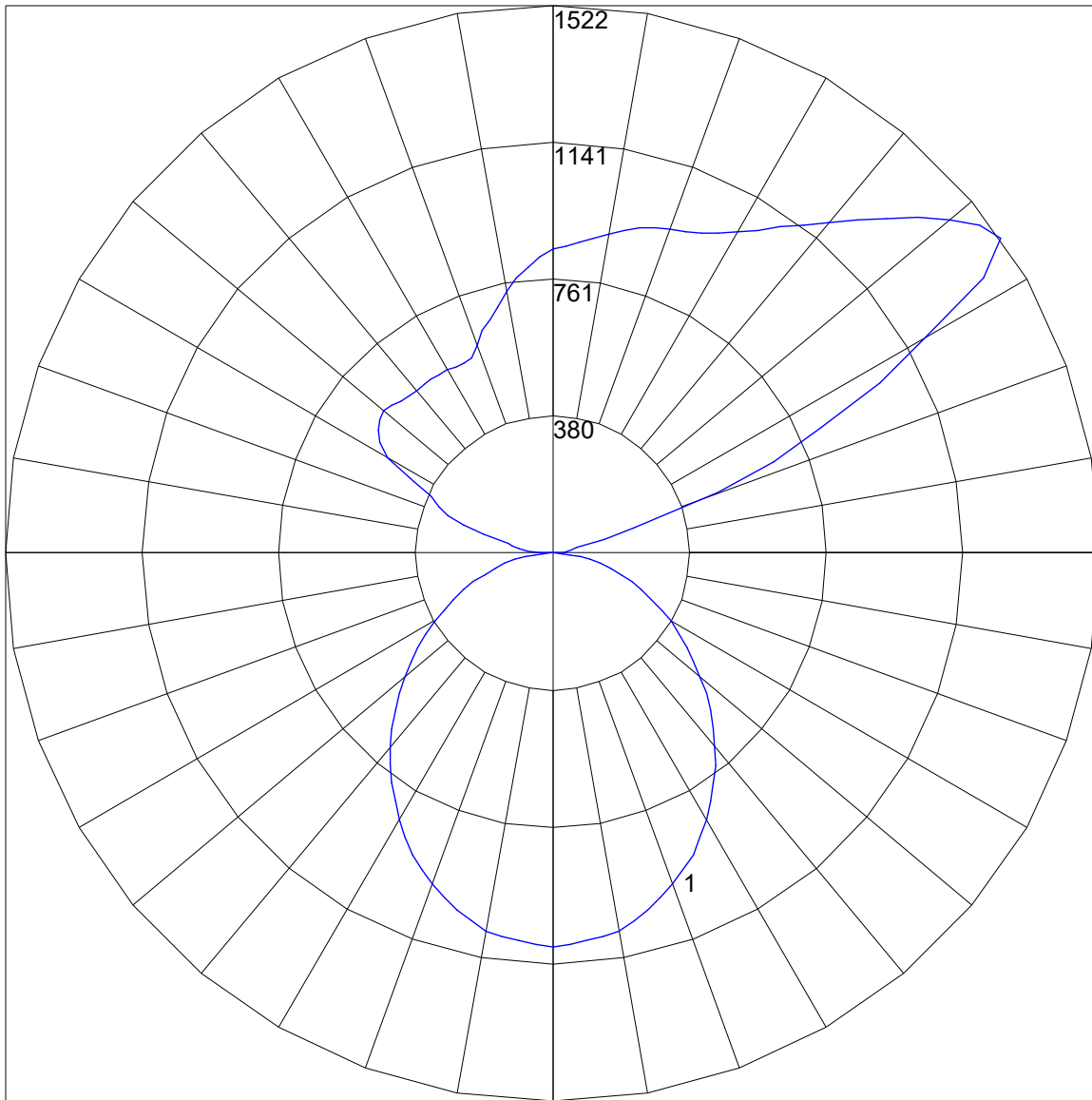
PHOTOMETRIC FILENAME : HP3-P-ID-4FT-S-B-835-ASY-F-KPL2008-103.014.IES

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	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	46	45	39
2	88	81	75	70	81	75	69	65	63	59	55	51	49	46	41	39	38	33
3	81	71	64	58	74	66	59	54	55	51	47	46	42	39	37	34	32	28
4	74	63	55	49	68	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	33	29	30	27	24	21
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19
7	58	46	38	32	53	42	35	30	36	31	27	30	26	23	25	22	19	17
8	54	41	34	29	49	39	32	27	33	27	24	28	23	20	23	20	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 = 1521.881 Located At Horizontal Angle = 0, Vertical Angle = 125
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)