

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-WSO-KPL2008-102.014.IES

DESCRIPTION INFORMATION (From Photometric File)

[TEST] KPL2008-102.014 Family Correlation File
[TESTLAB] Northern Lights Testing Laboratories
[ISSUEDATE] 8/22/2024
[TESTDATE] 11/27/2024
[MANUFAC] Finelite Inc.
[LUMCAT] HP3-P-ID-4ft-S-B-835-WSO-F
[LUMINAIRE] HP3-P-ID Series
[LAMPCAT] 320 LM561B+ LEDs with 80 CRI
[OTHER]INPUT ELECTRICAL: 277.0 VOLTS, 43.0 WATTS
[ABSOLUTELUMENS]5593
[LAMP] Samsung
[BALLAST] Osram
[BALLASTCAT] Oti50 x-2 @ 700mA

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5595
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
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)	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	9535	9100	8657
55	8675	8173	7754
65	7834	7362	6964
75	6990	6513	6285
85	6283	5897	5525

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	1100.731	1100.731	1100.731	1100.731	1100.731	1100.731	1100.731	1100.731	1100.731	1100.731
2.5	1093.199	1109.618	1096.151	1096.759	1097.718	1096.113	1099.323	1096.113	1097.718	1096.759
5.0	1087.926	1104.033	1090.528	1090.718	1090.794	1089.227	1092.286	1089.227	1090.794	1090.718
7.5	1079.892	1094.697	1080.957	1080.082	1079.853	1077.746	1080.424	1077.746	1079.853	1080.082
10.0	1072.618	1087.652	1070.366	1066.349	1064.698	1061.182	1063.975	1061.182	1064.698	1066.349
12.5	1052.037	1068.068	1052.570	1052.456	1045.037	1041.325	1042.702	1041.325	1045.037	1052.456
15.0	1032.217	1046.377	1030.034	1029.843	1023.764	1017.411	1018.446	1017.411	1023.764	1029.843
17.5	1009.567	1022.463	1005.550	1002.605	999.813	989.367	990.592	989.367	999.813	1002.605
20.0	984.703	996.640	979.613	972.689	969.516	960.105	959.983	960.105	969.516	972.689
22.5	957.381	966.146	950.039	940.437	934.122	927.465	926.392	927.465	934.122	940.437
25.0	931.292	937.607	917.787	907.455	897.701	890.853	890.891	890.853	897.701	907.455
27.5	892.884	902.022	884.538	873.597	862.086	854.051	851.023	854.051	862.086	873.597
30.0	858.753	861.317	847.318	836.369	823.017	814.564	812.076	814.564	823.017	836.369
32.5	821.647	828.685	807.868	799.111	783.879	774.657	771.066	774.657	783.879	799.111
35.0	785.446	790.232	771.295	757.560	750.291	733.151	731.964	733.151	750.291	757.560
37.5	747.498	749.067	731.429	717.120	702.429	692.481	689.650	692.481	702.429	717.120
40.0	704.878	707.785	690.378	675.418	661.377	651.813	647.566	651.813	661.377	675.418
42.5	664.782	665.586	648.943	635.591	620.861	611.297	607.012	611.297	620.861	635.591
45.0	624.305	625.606	608.083	595.802	579.160	569.825	566.840	569.825	579.160	595.802
47.5	582.679	582.679	567.682	554.329	538.567	529.079	526.210	529.079	538.567	554.329
50.0	540.825	542.202	525.559	513.049	497.592	489.787	486.344	489.787	497.592	513.049
52.5	499.352	500.844	485.082	473.222	459.678	450.840	448.697	450.840	459.678	473.222
55.0	460.711	459.984	446.670	434.083	422.567	416.139	411.816	416.139	422.567	434.083
57.5	421.611	418.512	406.460	396.283	385.150	377.498	374.859	377.498	385.150	396.283
60.0	381.822	379.182	369.464	357.795	348.154	341.879	338.972	341.879	348.154	357.795
62.5	344.175	341.726	332.315	321.158	310.197	306.181	304.562	306.181	310.197	321.158
65.0	306.559	303.946	296.551	288.088	278.052	274.743	272.516	274.743	278.052	288.088
67.5	269.479	267.948	261.169	252.499	245.345	242.131	240.632	242.131	245.345	252.499
70.0	235.551	233.095	225.531	220.041	214.670	210.598	209.719	210.598	214.670	220.041
72.5	199.810	193.826	193.229	187.349	182.326	179.632	179.104	179.632	182.326	187.349
75.0	167.527	165.951	161.662	156.088	154.048	150.349	150.617	150.349	154.048	156.088
77.5	137.501	135.164	131.128	127.041	124.849	122.175	122.367	122.175	124.849	127.041
80.0	107.216	105.402	102.043	100.226	97.491	96.094	95.287	96.094	97.491	100.226
82.5	78.262	77.390	76.039	74.203	73.063	72.118	74.589	72.118	73.063	74.203
85.0	50.708	49.809	48.033	47.590	46.775	45.834	44.587	45.834	46.775	47.590
87.5	26.498	24.600	23.502	22.672	21.471	21.571	21.815	21.571	21.471	22.672
90.0	1.749	1.703	1.936	1.832	2.205	2.333	1.774	2.333	2.205	1.832
92.5	22.811	27.417	28.508	30.936	33.273	32.159	35.838	32.159	33.273	30.936
95.0	45.605	58.191	54.705	57.056	58.506	57.971	59.066	57.971	58.506	57.056
97.5	67.377	88.375	90.543	80.514	81.623	83.070	83.583	83.070	81.623	80.514
100.0	91.363	119.324	149.890	144.046	104.401	103.542	106.218	103.542	104.401	144.046
102.5	115.868	149.315	191.626	236.779	188.062	148.120	133.696	148.120	188.062	236.779
105.0	141.040	179.163	234.253	320.616	325.155	257.203	226.312	257.203	325.155	320.616
107.5	166.733	210.224	279.537	365.413	457.210	402.173	382.642	402.173	457.210	365.413
110.0	193.990	239.396	321.656	426.754	522.710	545.552	540.567	545.552	522.710	426.754
112.5	221.260	266.033	351.837	514.698	576.254	613.587	627.902	613.587	576.254	514.698
115.0	249.050	293.003	381.681	581.451	669.855	672.391	670.834	672.391	669.855	581.451
117.5	278.143	320.647	409.906	607.504	784.490	785.438	770.886	785.438	784.490	607.504
120.0	301.015	344.314	436.417	623.530	859.226	923.990	916.072	923.990	859.226	623.530
122.5	322.298	364.099	458.831	637.747	876.107	1019.858	1048.907	1019.858	876.107	637.747
125.0	342.235	383.149	479.625	650.438	873.596	1043.860	1097.769	1043.860	873.596	650.438
127.5	360.154	399.631	497.421	661.780	867.545	1032.762	1090.982	1032.762	867.545	661.780
130.0	376.666	415.470	512.374	672.422	860.631	1014.720	1069.820	1014.720	860.631	672.422
132.5	392.384	430.607	525.859	679.731	854.179	995.272	1046.092	995.272	854.179	679.731

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CANDELA TABULATION - (Cont.)

135.0	408.162	445.346	537.479	684.438	847.453	973.593	1021.202	973.593	847.453	684.438
137.5	422.901	459.076	546.439	686.122	837.517	952.309	995.515	952.309	837.517	686.122
140.0	438.496	473.203	554.909	685.265	825.099	928.672	969.525	928.672	825.099	685.265
142.5	453.847	486.413	562.156	681.811	810.237	903.320	939.983	903.320	810.237	681.811
145.0	469.380	499.225	568.027	676.703	792.140	876.928	908.854	876.928	792.140	676.703
147.5	482.835	511.732	573.073	669.606	772.443	846.936	876.016	846.936	772.443	669.606
150.0	496.902	523.046	576.895	662.023	751.099	816.446	841.397	816.446	751.099	662.023
152.5	509.866	533.871	580.228	653.157	729.146	784.922	807.641	784.922	729.146	653.157
155.0	521.670	543.840	582.491	644.655	707.710	753.823	773.574	753.823	707.710	644.655
157.5	533.718	553.288	583.989	635.297	687.284	720.979	740.615	720.979	687.284	635.297
160.0	544.114	561.483	584.356	626.552	669.667	697.865	709.851	697.865	669.667	626.552
162.5	552.493	568.761	584.876	617.899	651.539	673.583	682.881	673.583	651.539	617.899
165.0	560.994	575.152	584.906	609.488	634.901	651.722	658.478	651.722	634.901	609.488
167.5	568.211	580.533	584.998	602.183	619.918	631.143	637.686	631.143	619.918	602.183
170.0	574.081	585.365	585.243	596.282	607.381	613.800	617.686	613.800	607.381	596.282
172.5	578.668	588.882	585.396	591.175	597.321	600.410	603.009	600.410	597.321	591.175
175.0	581.543	591.175	585.610	588.209	591.236	591.144	592.857	591.144	591.236	588.209
177.5	583.133	592.643	585.610	586.282	587.322	586.191	586.925	586.191	587.322	586.282
180.0	586.649	586.649	586.649	586.649	586.649	586.649	586.649	586.649	586.649	586.649

**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	1100.731	1100.731	1100.731	1100.731	1100.731	1100.731	1100.731	1100.731	1100.731	1100.731
2.5	1096.151	1109.618	1093.199	1109.618	1096.151	1096.759	1097.718	1096.113	1099.323	1096.113
5.0	1090.528	1104.033	1087.926	1104.033	1090.528	1090.718	1090.794	1089.227	1092.286	1089.227
7.5	1080.957	1094.697	1079.892	1094.697	1080.957	1080.082	1079.853	1077.746	1080.424	1077.746
10.0	1070.366	1087.652	1072.618	1087.652	1070.366	1066.349	1064.698	1061.182	1063.975	1061.182
12.5	1052.570	1068.068	1052.037	1068.068	1052.570	1052.456	1045.037	1041.325	1042.702	1041.325
15.0	1030.034	1046.377	1032.217	1046.377	1030.034	1029.843	1023.764	1017.411	1018.446	1017.411
17.5	1005.550	1022.463	1009.567	1022.463	1005.550	1002.605	999.813	989.367	990.592	989.367
20.0	979.613	996.640	984.703	996.640	979.613	972.689	969.516	960.105	959.983	960.105
22.5	950.039	966.146	957.381	966.146	950.039	940.437	934.122	927.465	926.392	927.465
25.0	917.787	937.607	931.292	937.607	917.787	907.455	897.701	890.853	890.891	890.853
27.5	884.538	902.022	892.884	902.022	884.538	873.597	862.086	854.051	851.023	854.051
30.0	847.318	861.317	858.753	861.317	847.318	836.369	823.017	814.564	812.076	814.564
32.5	807.868	828.685	821.647	828.685	807.868	799.111	783.879	774.657	771.066	774.657
35.0	771.295	790.232	785.446	790.232	771.295	757.560	750.291	733.151	731.964	733.151
37.5	731.429	749.067	747.498	749.067	731.429	717.120	702.429	692.481	689.650	692.481
40.0	690.378	707.785	704.878	707.785	690.378	675.418	661.377	651.813	647.566	651.813
42.5	648.943	665.586	664.782	665.586	648.943	635.591	620.861	611.297	607.012	611.297
45.0	608.083	625.606	624.305	625.606	608.083	595.802	579.160	569.825	566.840	569.825
47.5	567.682	582.679	582.679	582.679	567.682	554.329	538.567	529.079	526.210	529.079
50.0	525.559	542.202	540.825	542.202	525.559	513.049	497.592	489.787	486.344	489.787
52.5	485.082	500.844	499.352	500.844	485.082	473.222	459.678	450.840	448.697	450.840
55.0	446.670	459.984	460.711	459.984	446.670	434.083	422.567	416.139	411.816	416.139
57.5	406.460	418.512	421.611	418.512	406.460	396.283	385.150	377.498	374.859	377.498
60.0	369.464	379.182	381.822	379.182	369.464	357.795	348.154	341.879	338.972	341.879
62.5	332.315	341.726	344.175	341.726	332.315	321.158	310.197	306.181	304.562	306.181
65.0	296.551	303.946	306.559	303.946	296.551	288.088	278.052	274.743	272.516	274.743
67.5	261.169	267.948	269.479	267.948	261.169	252.499	245.345	242.131	240.632	242.131
70.0	225.531	233.095	235.551	233.095	225.531	220.041	214.670	210.598	209.719	210.598
72.5	193.229	193.826	199.810	193.826	193.229	187.349	182.326	179.632	179.104	179.632
75.0	161.662	165.951	167.527	165.951	161.662	156.088	154.048	150.349	150.617	150.349
77.5	131.128	135.164	137.501	135.164	131.128	127.041	124.849	122.175	122.367	122.175
80.0	102.043	105.402	107.216	105.402	102.043	100.226	97.491	96.094	95.287	96.094

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CANDELA TABULATION - (Cont.)

82.5	76.039	77.390	78.262	77.390	76.039	74.203	73.063	72.118	74.589	72.118
85.0	48.033	49.809	50.708	49.809	48.033	47.590	46.775	45.834	44.587	45.834
87.5	23.502	24.600	26.498	24.600	23.502	22.672	21.471	21.571	21.815	21.571
90.0	1.936	1.703	1.749	1.703	1.936	1.832	2.205	2.333	1.774	2.333
92.5	28.508	27.417	22.811	27.417	28.508	30.936	33.273	32.159	35.838	32.159
95.0	54.705	58.191	45.605	58.191	54.705	57.056	58.506	57.971	59.066	57.971
97.5	90.543	88.375	67.377	88.375	90.543	80.514	81.623	83.070	83.583	83.070
100.0	149.890	119.324	91.363	119.324	149.890	144.046	104.401	103.542	106.218	103.542
102.5	191.626	149.315	115.868	149.315	191.626	236.779	188.062	148.120	133.696	148.120
105.0	234.253	179.163	141.040	179.163	234.253	320.616	325.155	257.203	226.312	257.203
107.5	279.537	210.224	166.733	210.224	279.537	365.413	457.210	402.173	382.642	402.173
110.0	321.656	239.396	193.990	239.396	321.656	426.754	522.710	545.552	540.567	545.552
112.5	351.837	266.033	221.260	266.033	351.837	514.698	576.254	613.587	627.902	613.587
115.0	381.681	293.003	249.050	293.003	381.681	581.451	669.855	672.391	670.834	672.391
117.5	409.906	320.647	278.143	320.647	409.906	607.504	784.490	785.438	770.886	785.438
120.0	436.417	344.314	301.015	344.314	436.417	623.530	859.226	923.990	916.072	923.990
122.5	458.831	364.099	322.298	364.099	458.831	637.747	876.107	1019.858	1048.907	1019.858
125.0	479.625	383.149	342.235	383.149	479.625	650.438	873.596	1043.860	1097.769	1043.860
127.5	497.421	399.631	360.154	399.631	497.421	661.780	867.545	1032.762	1090.982	1032.762
130.0	512.374	415.470	376.666	415.470	512.374	672.422	860.631	1014.720	1069.820	1014.720
132.5	525.859	430.607	392.384	430.607	525.859	679.731	854.179	995.272	1046.092	995.272
135.0	537.479	445.346	408.162	445.346	537.479	684.438	847.453	973.587	1021.202	973.593
137.5	546.439	459.076	422.901	459.076	546.439	686.122	837.517	952.309	995.515	952.309
140.0	554.909	473.203	438.496	473.203	554.909	685.265	825.099	928.672	969.525	928.672
142.5	562.156	486.413	453.847	486.413	562.156	681.811	810.237	903.320	939.983	903.320
145.0	568.027	499.225	469.380	499.225	568.027	676.703	792.140	876.928	908.854	876.928
147.5	573.073	511.732	482.835	511.732	573.073	669.606	772.443	846.936	876.016	846.936
150.0	576.895	523.046	496.902	523.046	576.895	662.023	751.099	816.446	841.397	816.446
152.5	580.228	533.871	509.866	533.871	580.228	653.157	729.146	784.922	807.641	784.922
155.0	582.491	543.840	521.670	543.840	582.491	644.655	707.710	753.823	773.574	753.823
157.5	583.989	553.288	533.718	553.288	583.989	635.297	687.284	720.979	740.615	720.979
160.0	584.356	561.483	544.114	561.483	584.356	626.552	669.667	697.865	709.851	697.865
162.5	584.876	568.761	552.493	568.761	584.876	617.899	651.539	673.583	682.881	673.583
165.0	584.906	575.152	560.994	575.152	584.906	609.488	634.901	651.722	658.478	651.722
167.5	584.998	580.533	568.211	580.533	584.998	602.183	619.918	631.143	637.686	631.143
170.0	585.243	585.365	574.081	585.365	585.243	596.282	607.381	613.800	617.686	613.800
172.5	585.396	588.882	578.668	588.882	585.396	591.175	597.321	600.410	603.009	600.410
175.0	585.610	591.175	581.543	591.175	585.610	588.209	591.236	591.144	592.857	591.144
177.5	585.610	592.643	583.133	592.643	585.610	586.282	587.322	586.191	586.925	586.191
180.0	586.649	586.649	586.649	586.649	586.649	586.649	586.649	586.649	586.649	586.649

**Vert.
Angles**

Horizontal Angles

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0.0	1100.731	1100.731	1100.731	1100.731	1100.731
2.5	1097.718	1096.759	1096.151	1109.618	1093.199
5.0	1090.794	1090.718	1090.528	1104.033	1087.926
7.5	1079.853	1080.082	1080.957	1094.697	1079.892
10.0	1064.698	1066.349	1070.366	1087.652	1072.618
12.5	1045.037	1052.456	1052.570	1068.068	1052.037
15.0	1023.764	1029.843	1030.034	1046.377	1032.217
17.5	999.813	1002.605	1005.550	1022.463	1009.567
20.0	969.516	972.689	979.613	996.640	984.703
22.5	934.122	940.437	950.039	966.146	957.381
25.0	897.701	907.455	917.787	937.607	931.292
27.5	862.086	873.597	884.538	902.022	892.884

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

30.0	823.017	836.369	847.318	861.317	858.753
32.5	783.879	799.111	807.868	828.685	821.647
35.0	750.291	757.560	771.295	790.232	785.446
37.5	702.429	717.120	731.429	749.067	747.498
40.0	661.377	675.418	690.378	707.785	704.878
42.5	620.861	635.591	648.943	665.586	664.782
45.0	579.160	595.802	608.083	625.606	624.305
47.5	538.567	554.329	567.682	582.679	582.679
50.0	497.592	513.049	525.559	542.202	540.825
52.5	459.678	473.222	485.082	500.844	499.352
55.0	422.567	434.083	446.670	459.984	460.711
57.5	385.150	396.283	406.460	418.512	421.611
60.0	348.154	357.795	369.464	379.182	381.822
62.5	310.197	321.158	332.315	341.726	344.175
65.0	278.052	288.088	296.551	303.946	306.559
67.5	245.345	252.499	261.169	267.948	269.479
70.0	214.670	220.041	225.531	233.095	235.551
72.5	182.326	187.349	193.229	193.826	199.810
75.0	154.048	156.088	161.662	165.951	167.527
77.5	124.849	127.041	131.128	135.164	137.501
80.0	97.491	100.226	102.043	105.402	107.216
82.5	73.063	74.203	76.039	77.390	78.262
85.0	46.775	47.590	48.033	49.809	50.708
87.5	21.471	22.672	23.502	24.600	26.498
90.0	2.205	1.832	1.936	1.703	1.749
92.5	33.273	30.936	28.508	27.417	22.811
95.0	58.506	57.056	54.705	58.191	45.605
97.5	81.623	80.514	90.543	88.375	67.377
100.0	104.401	144.046	149.890	119.324	91.363
102.5	188.062	236.779	191.626	149.315	115.868
105.0	325.155	320.616	234.253	179.163	141.040
107.5	457.210	365.413	279.537	210.224	166.733
110.0	522.710	426.754	321.656	239.396	193.990
112.5	576.254	514.698	351.837	266.033	221.260
115.0	669.855	581.451	381.681	293.003	249.050
117.5	784.490	607.504	409.906	320.647	278.143
120.0	859.226	623.530	436.417	344.314	301.015
122.5	876.107	637.747	458.831	364.099	322.298
125.0	873.596	650.438	479.625	383.149	342.235
127.5	867.545	661.780	497.421	399.631	360.154
130.0	860.631	672.422	512.374	415.470	376.666
132.5	854.179	679.731	525.859	430.607	392.384
135.0	847.453	684.438	537.479	445.346	408.162
137.5	837.517	686.122	546.439	459.076	422.901
140.0	825.099	685.265	554.909	473.203	438.496
142.5	810.237	681.811	562.156	486.413	453.847
145.0	792.140	676.703	568.027	499.225	469.380
147.5	772.443	669.606	573.073	511.732	482.835
150.0	751.099	662.023	576.895	523.046	496.902
152.5	729.146	653.157	580.228	533.871	509.866
155.0	707.710	644.655	582.491	543.840	521.670
157.5	687.284	635.297	583.989	553.288	533.718
160.0	669.667	626.552	584.356	561.483	544.114
162.5	651.539	617.899	584.876	568.761	552.493
165.0	634.901	609.488	584.906	575.152	560.994
167.5	619.918	602.183	584.998	580.533	568.211

IES INDOOR REPORT

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CANDELA TABULATION - (Cont.)

170.0	607.381	596.282	585.243	585.365	574.081
172.5	597.321	591.175	585.396	588.882	578.668
175.0	591.236	588.209	585.610	591.175	581.543
177.5	587.322	586.282	585.610	592.643	583.133
180.0	586.649	586.649	586.649	586.649	586.649

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HP3-P-ID-4FT-S-B-835-WSO-KPL2008-102.014.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	393.13	N.A.	7.00
0-30	811.80	N.A.	14.50
0-40	1286.32	N.A.	23.00
0-60	2135.48	N.A.	38.20
0-80	2588.72	N.A.	46.30
0-90	2642.23	N.A.	47.20
10-90	2538.69	N.A.	45.40
20-40	893.19	N.A.	16.00
20-50	1352.62	N.A.	24.20
40-70	1135.02	N.A.	20.30
60-80	453.24	N.A.	8.10
70-80	167.38	N.A.	3.00
80-90	53.51	N.A.	1.00
90-110	330.57	N.A.	5.90
90-120	839.81	N.A.	15.00
90-130	1451.43	N.A.	25.90
90-150	2422.19	N.A.	43.30
90-180	2952.36	N.A.	52.80
110-180	2621.78	N.A.	46.90
0-180	5594.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	103.55
10-20	289.59
20-30	418.67
30-40	474.52
40-50	459.43
50-60	389.72
60-70	285.86
70-80	167.38
80-90	53.51
90-100	62.85
100-110	267.72
110-120	509.23
120-130	611.63
130-140	541.63
140-150	429.13
150-160	299.87
160-170	173.80
170-180	56.49

IES INDOOR REPORT

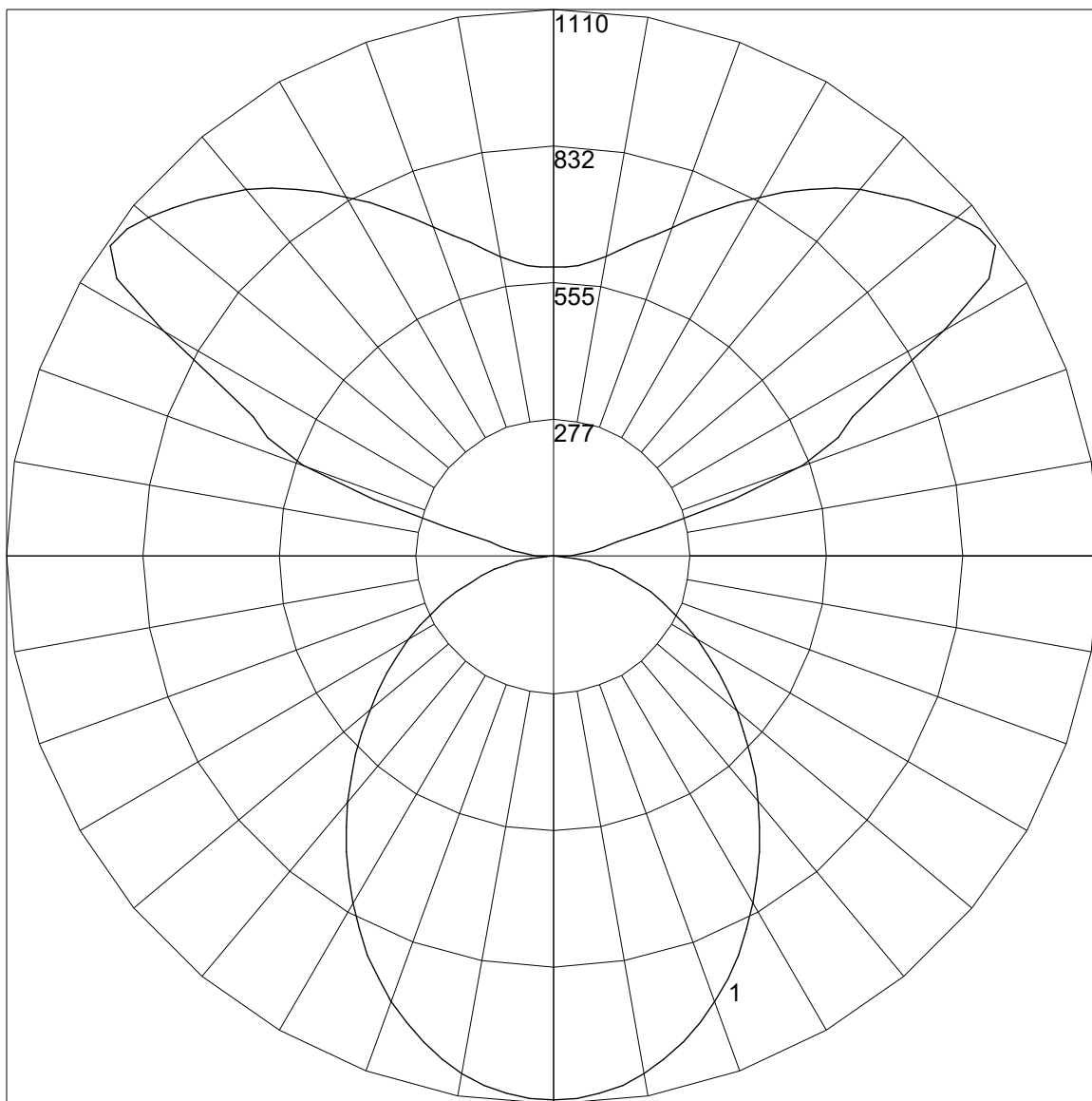
PHOTOMETRIC FILENAME : HP3-P-ID-4FT-S-B-835-WSO-KPL2008-102.014.IES

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	82	82	82	67	67	67	54	54	54	47
1	97	93	89	86	89	86	82	79	72	69	67	59	57	56	47	46	45	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	37	35	33	29
4	74	63	55	50	68	59	52	46	49	44	40	41	37	34	33	31	28	25
5	68	56	48	43	62	52	45	40	44	39	35	37	33	30	30	27	25	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	43	35	31	36	31	27	30	26	23	25	22	19	17
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15
9	50	38	31	26	46	35	29	24	30	25	21	26	22	19	21	18	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	14	12

POLAR GRAPH



Maximum Candela = 1109.618 Located At Horizontal Angle = 15, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270)