

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-B-B-835-F-F-KPL2008-50.010.IES

DESCRIPTION INFORMATION (From Photometric File)

[TEST] KPL2008-50.010 Family Correlation File
[TESTLAB] Northern Lights Testing Laboratories
[ISSUEDATE] 1/18/2024
[TESTDATE] 11/27/2024
[MANUFAC] Finelite, Inc.
[LUMCAT] HP3-P-ID-4ft-B-B-835-F-F
[LUMINAIRE] HP3 Series
[LAMPCAT] 320 LM561B+ LEDs with 80 CRI
[OTHER]INPUT ELECTRICAL: 277.0 VOLTS, 47.8 WATTS
[ABSOLUTELUMENS]6282
[LAMP] Samsung
[BALLAST] Osram
[BALLASTCAT] x2 @ 700mA

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6284
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	47.8
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	10472	9994	9508
55	9527	8977	8516
65	8604	8085	7648
75	7677	7153	6903
85	6901	6477	6068

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	1208.922	1208.922	1208.922	1208.922	1208.922	1208.922	1208.922	1208.922	1208.922	1208.922
2.5	1200.649	1218.682	1203.892	1204.560	1205.613	1203.850	1207.376	1203.850	1205.613	1204.560
5.0	1194.858	1212.549	1197.716	1197.925	1198.009	1196.287	1199.647	1196.287	1198.009	1197.925
7.5	1186.034	1202.296	1187.204	1186.243	1185.993	1183.678	1186.619	1183.678	1185.993	1186.243
10.0	1178.046	1194.558	1175.572	1171.160	1169.347	1165.486	1168.553	1165.486	1169.347	1171.160
12.5	1155.442	1173.049	1156.027	1155.902	1147.754	1143.677	1145.189	1143.677	1147.754	1155.902
15.0	1133.674	1149.225	1131.276	1131.067	1124.390	1117.413	1118.549	1117.413	1124.390	1131.067
17.5	1108.798	1122.961	1104.385	1101.152	1098.085	1086.612	1087.957	1086.612	1098.085	1101.152
20.0	1081.489	1094.600	1075.899	1068.295	1064.810	1054.474	1054.340	1054.474	1064.810	1068.295
22.5	1051.482	1061.109	1043.418	1032.873	1025.937	1018.625	1017.447	1018.625	1025.937	1032.873
25.0	1022.829	1029.764	1007.996	996.648	985.936	978.415	978.457	978.415	985.936	996.648
27.5	980.646	990.682	971.479	959.463	946.820	937.996	934.670	937.996	946.820	959.463
30.0	943.160	945.976	930.601	918.576	903.911	894.627	891.895	894.627	903.911	918.576
32.5	902.407	910.136	887.274	877.656	860.926	850.799	846.855	850.799	860.926	877.656
35.0	862.648	867.904	847.105	832.021	824.037	805.212	803.909	805.212	824.037	832.021
37.5	820.969	822.693	803.321	787.606	771.470	760.546	757.436	760.546	771.470	787.606
40.0	774.160	777.353	758.235	741.805	726.384	715.880	711.215	715.880	726.384	741.805
42.5	730.124	731.006	712.728	698.063	681.886	671.381	666.675	671.381	681.886	698.063
45.0	685.668	687.097	667.851	654.364	636.085	625.833	622.555	625.833	636.085	654.364
47.5	639.951	639.951	623.480	608.815	591.503	581.082	577.931	581.082	591.503	608.815
50.0	593.982	595.495	577.216	563.476	546.500	537.929	534.147	537.929	546.500	563.476
52.5	548.433	550.072	532.760	519.735	504.860	495.153	492.800	495.153	504.860	519.735
55.0	505.994	505.196	490.573	476.749	464.101	457.042	452.294	457.042	464.101	476.749
57.5	463.051	459.647	446.411	435.234	423.006	414.602	411.704	414.602	423.006	435.234
60.0	419.351	416.452	405.779	392.963	382.374	375.483	372.290	375.483	382.374	392.963
62.5	378.004	375.315	364.978	352.725	340.686	336.275	334.498	336.275	340.686	352.725
65.0	336.690	333.821	325.699	316.404	305.382	301.748	299.302	301.748	305.382	316.404
67.5	295.966	294.285	286.840	277.318	269.460	265.931	264.284	265.931	269.460	277.318
70.0	258.703	256.006	247.698	241.669	235.770	231.298	230.332	231.298	235.770	241.669
72.5	219.449	212.877	212.222	205.763	200.246	197.288	196.708	197.288	200.246	205.763
75.0	183.993	182.262	177.552	171.430	169.190	165.127	165.421	165.127	169.190	171.430
77.5	151.016	148.449	144.016	139.528	137.121	134.184	134.394	134.184	137.121	139.528
80.0	117.754	115.762	112.073	110.078	107.073	105.539	104.653	105.539	107.073	110.078
82.5	85.954	84.996	83.513	81.496	80.244	79.206	81.920	79.206	80.244	81.496
85.0	55.692	54.705	52.755	52.267	51.372	50.339	48.969	50.339	51.372	52.267
87.5	29.102	27.018	25.812	24.901	23.581	23.691	23.959	23.691	23.581	24.901
90.0	2.403	2.341	2.660	2.517	3.030	3.206	2.438	3.206	3.030	2.517
92.5	33.674	35.053	35.095	34.107	34.825	33.069	35.010	33.069	34.825	34.107
95.0	70.407	70.609	71.697	70.966	71.773	67.996	67.197	67.996	71.773	70.966
97.5	101.846	102.065	100.241	99.207	98.900	98.581	99.896	98.581	98.900	99.207
100.0	139.377	138.272	135.277	134.688	134.403	132.894	132.822	132.894	134.403	134.688
102.5	175.859	175.544	173.043	171.812	169.493	168.303	168.261	168.303	169.493	171.812
105.0	214.222	214.562	212.180	210.037	208.197	206.751	207.650	206.751	208.197	210.037
107.5	257.224	255.014	251.812	249.682	248.064	246.842	245.131	246.842	248.064	249.682
110.0	299.193	298.151	295.445	291.919	288.592	288.655	288.125	288.655	288.592	291.919
112.5	339.809	343.809	339.565	335.002	332.573	329.346	329.984	329.346	332.573	335.002
115.0	383.634	389.517	383.760	389.139	376.113	372.121	373.886	372.121	376.113	389.139
117.5	432.713	435.948	428.847	427.460	422.292	418.216	419.939	418.216	422.292	427.460
120.0	479.018	483.304	477.253	474.858	469.185	465.152	464.563	465.152	469.185	474.858
122.5	529.441	531.080	526.542	522.633	514.902	514.860	510.028	514.860	514.902	522.633
125.0	577.427	581.755	577.259	573.098	562.341	563.687	559.358	563.687	562.341	573.098
127.5	628.017	631.716	625.749	620.160	613.815	613.101	609.781	613.101	613.815	620.160
130.0	676.423	682.223	676.970	671.760	664.196	663.103	662.473	663.103	664.196	671.760
132.5	725.334	733.108	724.955	721.804	713.989	713.148	717.098	713.148	713.989	721.804

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CANDELA TABULATION - (Cont.)

135.0	773.824	783.783	774.202	771.975	767.185	765.294	768.698	765.294	767.185	771.975
137.5	825.087	831.853	820.969	819.288	820.255	814.708	819.709	814.708	820.255	819.288
140.0	872.232	883.497	870.386	868.957	869.584	865.974	870.135	865.974	869.584	868.957
142.5	918.451	928.913	918.793	917.197	917.448	913.663	915.092	913.663	917.448	917.197
145.0	966.441	973.794	964.293	962.405	963.165	961.861	963.583	961.861	963.165	962.405
147.5	1009.551	1018.500	1010.311	1010.269	1010.227	1006.400	1008.715	1006.400	1010.227	1010.269
150.0	1053.839	1062.287	1051.148	1051.532	1051.783	1049.092	1052.744	1049.092	1051.783	1051.532
152.5	1090.564	1103.341	1092.921	1094.266	1092.921	1089.553	1094.174	1089.553	1092.921	1094.266
155.0	1127.958	1142.665	1130.691	1130.440	1130.942	1125.101	1131.410	1125.101	1130.942	1130.440
157.5	1163.172	1179.684	1166.489	1163.380	1164.099	1164.768	1164.099	1164.768	1164.099	1163.380
160.0	1196.956	1211.579	1195.778	1192.836	1194.474	1189.185	1192.168	1189.185	1194.474	1192.836
162.5	1222.927	1238.637	1222.969	1220.863	1222.584	1215.991	1219.735	1215.991	1222.584	1220.863
165.0	1247.043	1261.332	1247.252	1244.779	1246.116	1240.575	1244.862	1240.575	1246.116	1244.779
167.5	1266.873	1281.922	1268.093	1265.828	1266.998	1262.552	1267.215	1262.552	1266.998	1265.828
170.0	1283.268	1299.696	1285.240	1282.883	1285.365	1280.284	1285.615	1280.284	1285.365	1282.883
172.5	1296.203	1313.517	1299.228	1296.671	1299.353	1294.022	1299.654	1294.022	1299.353	1296.671
175.0	1305.704	1323.394	1309.272	1306.414	1309.230	1304.693	1310.241	1304.693	1309.230	1306.414
177.5	1311.587	1329.110	1314.904	1312.130	1315.280	1310.409	1316.542	1310.409	1315.280	1312.130
180.0	1317.862	1317.862	1317.862	1317.862	1317.862	1317.862	1317.862	1317.862	1317.862	1317.862

**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	1208.922	1208.922	1208.922	1208.922	1208.922	1208.922	1208.922	1208.922	1208.922	1208.922
2.5	1203.892	1218.682	1200.649	1218.682	1203.892	1204.560	1205.613	1203.850	1207.376	1203.850
5.0	1197.716	1212.549	1194.858	1212.549	1197.716	1197.925	1198.009	1196.287	1199.647	1196.287
7.5	1187.204	1202.296	1186.034	1202.296	1187.204	1186.243	1185.993	1183.678	1186.619	1183.678
10.0	1175.572	1194.558	1178.046	1194.558	1175.572	1171.160	1169.347	1165.486	1168.553	1165.486
12.5	1156.027	1173.049	1155.442	1173.049	1156.027	1155.902	1147.754	1143.677	1145.189	1143.677
15.0	1131.276	1149.225	1133.674	1149.225	1131.276	1131.067	1124.390	1117.413	1118.549	1117.413
17.5	1104.385	1122.961	1108.798	1122.961	1104.385	1101.152	1098.085	1086.612	1087.957	1086.612
20.0	1075.899	1094.600	1081.489	1094.600	1075.899	1068.295	1064.810	1054.474	1054.340	1054.474
22.5	1043.418	1061.109	1051.482	1061.109	1043.418	1032.873	1025.937	1018.625	1017.447	1018.625
25.0	1007.996	1029.764	1022.829	1029.764	1007.996	996.648	985.936	978.415	978.457	978.415
27.5	971.479	990.682	980.646	990.682	971.479	959.463	946.820	937.996	934.670	937.996
30.0	930.601	945.976	943.160	945.976	930.601	918.576	903.911	894.627	891.895	894.627
32.5	887.274	910.136	902.407	910.136	887.274	877.656	860.926	850.799	846.855	850.799
35.0	847.105	867.904	862.648	867.904	847.105	832.021	824.037	805.212	803.909	805.212
37.5	803.321	822.693	820.969	822.693	803.321	787.606	771.470	760.546	757.436	760.546
40.0	758.235	777.353	774.160	777.353	758.235	741.805	726.384	715.880	711.215	715.880
42.5	712.728	731.006	730.124	731.006	712.728	698.063	681.886	671.381	666.675	671.381
45.0	667.851	687.097	685.668	687.097	667.851	654.364	636.085	625.833	622.555	625.833
47.5	623.480	639.951	639.951	639.951	623.480	608.815	591.503	581.082	577.931	581.082
50.0	577.216	595.495	593.982	595.495	577.216	563.476	546.500	537.929	534.147	537.929
52.5	532.760	550.072	548.433	550.072	532.760	519.735	504.860	495.153	492.800	495.153
55.0	490.573	505.196	505.994	505.196	490.573	476.749	464.101	457.042	452.294	457.042
57.5	446.411	459.647	463.051	459.647	446.411	435.234	423.006	414.602	411.704	414.602
60.0	405.779	416.452	419.351	416.452	405.779	392.963	382.374	375.483	372.290	375.483
62.5	364.978	375.315	378.004	375.315	364.978	352.725	340.686	336.275	334.498	336.275
65.0	325.699	333.821	336.690	333.821	325.699	316.404	305.382	301.748	299.302	301.748
67.5	286.840	294.285	295.966	294.285	286.840	277.318	269.460	265.931	264.284	265.931
70.0	247.698	256.006	258.703	256.006	247.698	241.669	235.770	231.298	230.332	231.298
72.5	212.222	212.877	219.449	212.877	212.222	205.763	200.246	197.288	196.708	197.288
75.0	177.552	182.262	183.993	182.262	177.552	171.430	169.190	165.127	165.421	165.127
77.5	144.016	148.449	151.016	148.449	144.016	139.528	137.121	134.184	134.394	134.184
80.0	112.073	115.762	117.754	115.762	112.073	110.078	107.073	105.539	104.653	105.539

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CANDELA TABULATION - (Cont.)

82.5	83.513	84.996	85.954	84.996	83.513	81.496	80.244	79.206	81.920	79.206
85.0	52.755	54.705	55.692	54.705	52.755	52.267	51.372	50.339	48.969	50.339
87.5	25.812	27.018	29.102	27.018	25.812	24.901	23.581	23.691	23.959	23.691
90.0	2.660	2.341	2.403	2.341	2.660	2.517	3.030	3.206	2.438	3.206
92.5	35.095	35.053	33.674	35.053	35.095	34.107	34.825	33.069	35.010	33.069
95.0	71.697	70.609	70.407	70.609	71.697	70.966	71.773	67.996	67.197	67.996
97.5	100.241	102.065	101.846	102.065	100.241	99.207	98.900	98.581	99.896	98.581
100.0	135.277	138.272	139.377	138.272	135.277	134.688	134.403	132.894	132.822	132.894
102.5	173.043	175.544	175.859	175.544	173.043	171.812	169.493	168.303	168.261	168.303
105.0	212.180	214.562	214.222	214.562	212.180	210.037	208.197	206.751	207.650	206.751
107.5	251.812	255.014	257.224	255.014	251.812	249.682	248.064	246.842	245.131	246.842
110.0	295.445	298.151	299.193	298.151	295.445	291.919	288.592	288.655	288.125	288.655
112.5	339.565	343.809	339.809	343.809	339.565	335.002	332.573	329.346	329.984	329.346
115.0	383.760	389.517	383.634	389.517	383.760	389.139	376.113	372.121	373.886	372.121
117.5	428.847	435.948	432.713	435.948	428.847	427.460	422.292	418.216	419.939	418.216
120.0	477.253	483.304	479.018	483.304	477.253	474.858	469.185	465.152	464.563	465.152
122.5	526.542	531.080	529.441	531.080	526.542	522.633	514.902	514.860	510.028	514.860
125.0	577.259	581.755	577.427	581.755	577.259	573.098	562.341	563.687	559.358	563.687
127.5	625.749	631.716	628.017	631.716	625.749	620.160	613.815	613.101	609.781	613.101
130.0	676.970	682.223	676.423	682.223	676.970	671.760	664.196	663.103	662.473	663.103
132.5	724.955	733.108	725.334	733.108	724.955	721.804	713.989	713.148	717.098	713.148
135.0	774.202	783.783	773.824	783.783	774.202	771.975	767.185	765.294	768.698	765.294
137.5	820.969	831.853	825.087	831.853	820.969	819.288	820.255	814.708	819.709	814.708
140.0	870.386	883.497	872.232	883.497	870.386	868.957	869.584	865.974	870.135	865.974
142.5	918.793	928.913	918.451	928.913	918.793	917.197	917.448	913.663	915.092	913.663
145.0	964.293	973.794	966.441	973.794	964.293	962.405	963.165	961.861	963.583	961.861
147.5	1010.311	1018.500	1009.551	1018.500	1010.311	1010.269	1010.227	1006.400	1008.715	1006.400
150.0	1051.148	1062.287	1053.839	1062.287	1051.148	1051.532	1051.783	1049.092	1052.744	1049.092
152.5	1092.921	1103.341	1090.564	1103.341	1092.921	1094.266	1092.921	1089.553	1094.174	1089.553
155.0	1130.691	1142.665	1127.958	1142.665	1130.691	1130.440	1130.942	1125.101	1131.410	1125.101
157.5	1166.489	1179.684	1163.172	1179.684	1166.489	1163.380	1164.099	1164.768	1164.099	1164.768
160.0	1195.778	1211.579	1196.956	1211.579	1195.778	1192.836	1194.474	1189.185	1192.168	1189.185
162.5	1222.969	1238.637	1222.927	1238.637	1222.969	1220.863	1222.584	1215.991	1219.735	1215.991
165.0	1247.252	1261.332	1247.043	1261.332	1247.252	1244.779	1246.116	1240.575	1244.862	1240.575
167.5	1268.093	1281.922	1266.873	1281.922	1268.093	1265.828	1266.998	1262.552	1267.215	1262.552
170.0	1285.240	1299.696	1283.268	1299.696	1285.240	1282.883	1285.365	1280.284	1285.615	1280.284
172.5	1299.228	1313.517	1296.203	1313.517	1299.228	1296.671	1299.353	1294.022	1299.654	1294.022
175.0	1309.272	1323.394	1305.704	1323.394	1309.272	1306.414	1309.230	1304.693	1310.241	1304.693
177.5	1314.904	1329.110	1311.587	1329.110	1314.904	1312.130	1315.280	1310.409	1316.542	1310.409
180.0	1317.862	1317.862	1317.862	1317.862	1317.862	1317.862	1317.862	1317.862	1317.862	1317.862

**Vert.
Angles**

Horizontal Angles

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0.0	1208.922	1208.922	1208.922	1208.922	1208.922
2.5	1205.613	1204.560	1203.892	1218.682	1200.649
5.0	1198.009	1197.925	1197.716	1212.549	1194.858
7.5	1185.993	1186.243	1187.204	1202.296	1186.034
10.0	1169.347	1171.160	1175.572	1194.558	1178.046
12.5	1147.754	1155.902	1156.027	1173.049	1155.442
15.0	1124.390	1131.067	1131.276	1149.225	1133.674
17.5	1098.085	1101.152	1104.385	1122.961	1108.798
20.0	1064.810	1068.295	1075.899	1094.600	1081.489
22.5	1025.937	1032.873	1043.418	1061.109	1051.482
25.0	985.936	996.648	1007.996	1029.764	1022.829
27.5	946.820	959.463	971.479	990.682	980.646

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HP3-P-ID-4FT-B-B-835-F-F-KPL2008-50.010.IES****CANDELA TABULATION - (Cont.)**

30.0	903.911	918.576	930.601	945.976	943.160
32.5	860.926	877.656	887.274	910.136	902.407
35.0	824.037	832.021	847.105	867.904	862.648
37.5	771.470	787.606	803.321	822.693	820.969
40.0	726.384	741.805	758.235	777.353	774.160
42.5	681.886	698.063	712.728	731.006	730.124
45.0	636.085	654.364	667.851	687.097	685.668
47.5	591.503	608.815	623.480	639.951	639.951
50.0	546.500	563.476	577.216	595.495	593.982
52.5	504.860	519.735	532.760	550.072	548.433
55.0	464.101	476.749	490.573	505.196	505.994
57.5	423.006	435.234	446.411	459.647	463.051
60.0	382.374	392.963	405.779	416.452	419.351
62.5	340.686	352.725	364.978	375.315	378.004
65.0	305.382	316.404	325.699	333.821	336.690
67.5	269.460	277.318	286.840	294.285	295.966
70.0	235.770	241.669	247.698	256.006	258.703
72.5	200.246	205.763	212.222	212.877	219.449
75.0	169.190	171.430	177.552	182.262	183.993
77.5	137.121	139.528	144.016	148.449	151.016
80.0	107.073	110.078	112.073	115.762	117.754
82.5	80.244	81.496	83.513	84.996	85.954
85.0	51.372	52.267	52.755	54.705	55.692
87.5	23.581	24.901	25.812	27.018	29.102
90.0	3.030	2.517	2.660	2.341	2.403
92.5	34.825	34.107	35.095	35.053	33.674
95.0	71.773	70.966	71.697	70.609	70.407
97.5	98.900	99.207	100.241	102.065	101.846
100.0	134.403	134.688	135.277	138.272	139.377
102.5	169.493	171.812	173.043	175.544	175.859
105.0	208.197	210.037	212.180	214.562	214.222
107.5	248.064	249.682	251.812	255.014	257.224
110.0	288.592	291.919	295.445	298.151	299.193
112.5	332.573	335.002	339.565	343.809	339.809
115.0	376.113	389.139	383.760	389.517	383.634
117.5	422.292	427.460	428.847	435.948	432.713
120.0	469.185	474.858	477.253	483.304	479.018
122.5	514.902	522.633	526.542	531.080	529.441
125.0	562.341	573.098	577.259	581.755	577.427
127.5	613.815	620.160	625.749	631.716	628.017
130.0	664.196	671.760	676.970	682.223	676.423
132.5	713.989	721.804	724.955	733.108	725.334
135.0	767.185	771.975	774.202	783.783	773.824
137.5	820.255	819.288	820.969	831.853	825.087
140.0	869.584	868.957	870.386	883.497	872.232
142.5	917.448	917.197	918.793	928.913	918.451
145.0	963.165	962.405	964.293	973.794	966.441
147.5	1010.227	1010.269	1010.311	1018.500	1009.551
150.0	1051.783	1051.532	1051.148	1062.287	1053.839
152.5	1092.921	1094.266	1092.921	1103.341	1090.564
155.0	1130.942	1130.440	1130.691	1142.665	1127.958
157.5	1164.099	1163.380	1166.489	1179.684	1163.172
160.0	1194.474	1192.836	1195.778	1211.579	1196.956
162.5	1222.584	1220.863	1222.969	1238.637	1222.927
165.0	1246.116	1244.779	1247.252	1261.332	1247.043
167.5	1266.998	1265.828	1268.093	1281.922	1266.873

IES INDOOR REPORT

PHOTOMETRIC FILENAME : HP3-P-ID-4FT-B-B-835-F-F-KPL2008-50.010.IES

CANDELA TABULATION - (Cont.)

170.0	1285.365	1282.883	1285.240	1299.696	1283.268
172.5	1299.353	1296.671	1299.228	1313.517	1296.203
175.0	1309.230	1306.414	1309.272	1323.394	1305.704
177.5	1315.280	1312.130	1314.904	1329.110	1311.587
180.0	1317.862	1317.862	1317.862	1317.862	1317.862

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HP3-P-ID-4FT-B-B-835-F-F-KPL2008-50.010.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	431.77	N.A.	6.90
0-30	891.59	N.A.	14.20
0-40	1412.75	N.A.	22.50
0-60	2345.37	N.A.	37.30
0-80	2843.17	N.A.	45.20
0-90	2902.01	N.A.	46.20
10-90	2788.29	N.A.	44.40
20-40	980.98	N.A.	15.60
20-50	1485.57	N.A.	23.60
40-70	1246.58	N.A.	19.80
60-80	497.79	N.A.	7.90
70-80	183.84	N.A.	2.90
80-90	58.85	N.A.	0.90
90-110	297.77	N.A.	4.70
90-120	675.59	N.A.	10.80
90-130	1186.56	N.A.	18.90
90-150	2385.58	N.A.	38.00
90-180	3382.41	N.A.	53.80
110-180	3084.64	N.A.	49.10
0-180	6284.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	113.72
10-20	318.05
20-30	459.82
30-40	521.16
40-50	504.59
50-60	428.03
60-70	313.96
70-80	183.84
80-90	58.85
90-100	74.48
100-110	223.29
110-120	377.82
120-130	510.97
130-140	595.50
140-150	603.52
150-160	520.81
160-170	351.72
170-180	124.30

IES INDOOR REPORT

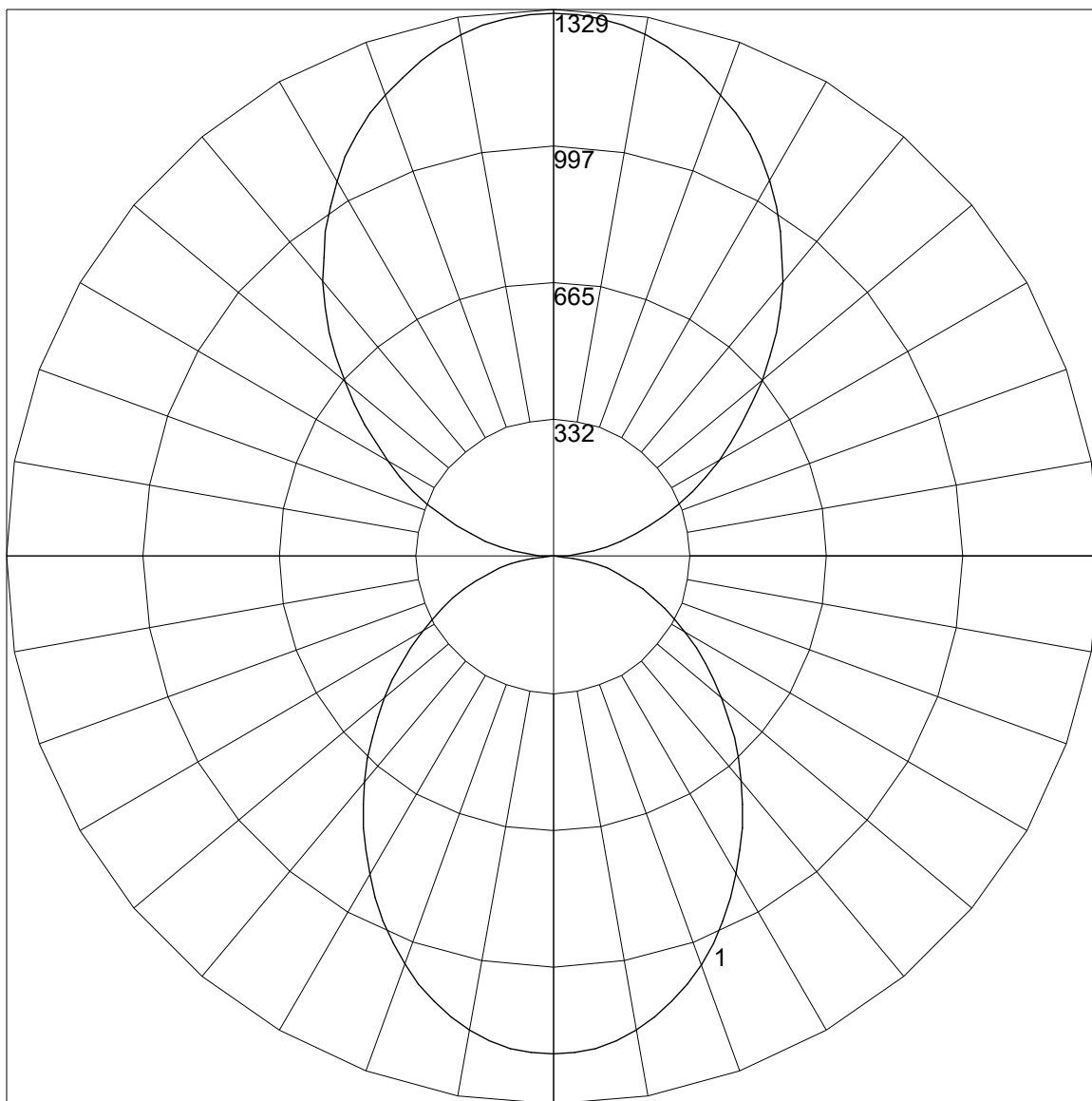
PHOTOMETRIC FILENAME : HP3-P-ID-4FT-B-B-835-F-F-KPL2008-50.010.IES

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	45	44	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	45	42	39	36	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	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 = 1329.11 Located At Horizontal Angle = 15, Vertical Angle = 177.5
1 - Vertical Plane Through Horizontal Angles (90 - 270)