

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-WSO-KPL2008-102.015.IES

DESCRIPTION INFORMATION (From Photometric File)

[TEST] KPL2008-102.015 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-S-835-WSO-F
[LUMINAIRE] HP3-P-ID Series
[LAMPCAT] 320 LM561B+ LEDs with 80 CRI
[OTHER]INPUT ELECTRICAL: 277.0 VOLTS, 38.2 WATTS
[ABSOLUTELUMENS]5063
[LAMP] Samsung
[BALLAST] Osram
[BALLASTCAT] Oti50 x-2 @ 700mA

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5064
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
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	7621	7273	6919
55	6933	6533	6197
65	6261	5884	5566
75	5587	5206	5023
85	5022	4713	4416

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	879.768	879.768	879.768	879.768	879.768	879.768	879.768	879.768	879.768	879.768
2.5	873.748	886.871	876.107	876.594	877.360	876.077	878.643	876.077	877.360	876.594
5.0	869.534	882.407	871.613	871.766	871.826	870.574	873.018	870.574	871.826	871.766
7.5	863.112	874.946	863.963	863.264	863.082	861.397	863.538	861.397	863.082	863.264
10.0	857.299	869.315	855.499	852.288	850.968	848.159	850.390	848.159	850.968	852.288
12.5	840.849	853.662	841.275	841.184	835.255	832.287	833.388	832.287	835.255	841.184
15.0	825.008	836.325	823.263	823.111	818.252	813.174	814.001	813.174	818.252	823.111
17.5	806.905	817.212	803.694	801.340	799.109	790.759	791.739	790.759	799.109	801.340
20.0	787.032	796.573	782.963	777.430	774.894	767.372	767.274	767.372	774.894	777.430
22.5	765.195	772.200	759.326	751.652	746.605	741.284	740.426	741.284	746.605	751.652
25.0	744.343	749.390	733.549	725.291	717.495	712.022	712.052	712.022	717.495	725.291
27.5	713.645	720.949	706.974	698.230	689.029	682.607	680.187	682.607	689.029	698.230
30.0	686.366	688.415	677.226	668.475	657.803	651.047	649.058	651.047	657.803	668.475
32.5	656.708	662.333	645.695	638.696	626.522	619.151	616.281	619.151	626.522	638.696
35.0	627.774	631.599	616.463	605.486	599.676	585.977	585.029	585.977	599.676	605.486
37.5	597.444	598.698	584.600	573.164	561.422	553.471	551.209	553.471	561.422	573.164
40.0	563.379	565.703	551.790	539.833	528.611	520.967	517.572	520.967	528.611	539.833
42.5	531.333	531.975	518.673	508.001	496.228	488.584	485.159	488.584	496.228	508.001
45.0	498.981	500.021	486.015	476.200	462.898	455.437	453.051	455.437	462.898	476.200
47.5	465.711	465.711	453.725	443.052	430.454	422.870	420.577	422.870	430.454	443.052
50.0	432.258	433.359	420.057	410.058	397.705	391.467	388.714	391.467	397.705	410.058
52.5	399.111	400.304	387.705	378.226	367.401	360.337	358.625	360.337	367.401	378.226
55.0	368.227	367.646	357.004	346.945	337.740	332.603	329.148	332.603	337.740	346.945
57.5	336.976	334.499	324.867	316.733	307.834	301.718	299.609	301.718	307.834	316.733
60.0	305.174	303.064	295.297	285.971	278.265	273.250	270.926	273.250	278.265	285.971
62.5	275.084	273.127	265.605	256.689	247.928	244.717	243.424	244.717	247.928	256.689
65.0	245.020	242.931	237.020	230.256	222.236	219.591	217.811	219.591	222.236	230.256
67.5	215.383	214.160	208.742	201.812	196.094	193.526	192.327	193.526	196.094	201.812
70.0	188.266	186.303	180.257	175.870	171.576	168.323	167.620	168.323	171.576	175.870
72.5	159.700	154.917	154.440	149.740	145.725	143.572	143.150	143.572	145.725	149.740
75.0	133.897	132.637	129.210	124.755	123.124	120.168	120.382	120.168	123.124	124.755
77.5	109.899	108.031	104.805	101.539	99.787	97.649	97.803	97.649	99.787	101.539
80.0	85.693	84.244	81.559	80.107	77.921	76.804	76.159	76.804	77.921	80.107
82.5	62.551	61.854	60.775	59.307	58.396	57.641	59.616	57.641	58.396	59.307
85.0	40.529	39.810	38.391	38.037	37.385	36.633	35.636	36.633	37.385	38.037
87.5	21.179	19.662	18.784	18.121	17.161	17.240	17.436	17.240	17.161	18.121
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

	150	165	180	195	210	225	240	255	270	285
0.0	879.768	879.768	879.768	879.768	879.768	879.768	879.768	879.768	879.768	879.768
2.5	876.107	886.871	873.748	886.871	876.107	876.594	877.360	876.077	878.643	876.077
5.0	871.613	882.407	869.534	882.407	871.613	871.766	871.826	870.574	873.018	870.574
7.5	863.963	874.946	863.112	874.946	863.963	863.264	863.082	861.397	863.538	861.397
10.0	855.499	869.315	857.299	869.315	855.499	852.288	850.968	848.159	850.390	848.159
12.5	841.275	853.662	840.849	853.662	841.275	841.184	835.255	832.287	833.388	832.287
15.0	823.263	836.325	825.008	836.325	823.263	823.111	818.252	813.174	814.001	813.174
17.5	803.694	817.212	806.905	817.212	803.694	801.340	799.109	790.759	791.739	790.759
20.0	782.963	796.573	787.032	796.573	782.963	777.430	774.894	767.372	767.274	767.372
22.5	759.326	772.200	765.195	772.200	759.326	751.652	746.605	741.284	740.426	741.284
25.0	733.549	749.390	744.343	749.390	733.549	725.291	717.495	712.022	712.052	712.022
27.5	706.974	720.949	713.645	720.949	706.974	698.230	689.029	682.607	680.187	682.607
30.0	677.226	688.415	686.366	688.415	677.226	668.475	657.803	651.047	649.058	651.047
32.5	645.695	662.333	656.708	662.333	645.695	638.696	626.522	619.151	616.281	619.151
35.0	616.463	631.599	627.774	631.599	616.463	605.486	599.676	585.977	585.029	585.977
37.5	584.600	598.698	597.444	598.698	584.600	573.164	561.422	553.471	551.209	553.471
40.0	551.790	565.703	563.379	565.703	551.790	539.833	528.611	520.967	517.572	520.967
42.5	518.673	531.975	531.333	531.975	518.673	508.001	496.228	488.584	485.159	488.584
45.0	486.015	500.021	498.981	500.021	486.015	476.200	462.898	455.437	453.051	455.437
47.5	453.725	465.711	465.711	465.711	453.725	443.052	430.454	422.870	420.577	422.870
50.0	420.057	433.359	432.258	433.359	420.057	410.058	397.705	391.467	388.714	391.467
52.5	387.705	400.304	399.111	400.304	387.705	378.226	367.401	360.337	358.625	360.337
55.0	357.004	367.646	368.227	367.646	357.004	346.945	337.740	332.603	329.148	332.603
57.5	324.867	334.499	336.976	334.499	324.867	316.733	307.834	301.718	299.609	301.718
60.0	295.297	303.064	305.174	303.064	295.297	285.971	278.265	273.250	270.926	273.250
62.5	265.605	273.127	275.084	273.127	265.605	256.689	247.928	244.717	243.424	244.717
65.0	237.020	242.931	245.020	242.931	237.020	230.256	222.236	219.591	217.811	219.591
67.5	208.742	214.160	215.383	214.160	208.742	201.812	196.094	193.526	192.327	193.526
70.0	180.257	186.303	188.266	186.303	180.257	175.870	171.576	168.323	167.620	168.323
72.5	154.440	154.917	159.700	154.917	154.440	149.740	145.725	143.572	143.150	143.572
75.0	129.210	132.637	133.897	132.637	129.210	124.755	123.124	120.168	120.382	120.168
77.5	104.805	108.031	109.899	108.031	104.805	101.539	99.787	97.649	97.803	97.649
80.0	81.559	84.244	85.693	84.244	81.559	80.107	77.921	76.804	76.159	76.804

CANDELA TABULATION - (Cont.)

82.5	60.775	61.854	62.551	61.854	60.775	59.307	58.396	57.641	59.616	57.641
85.0	38.391	39.810	40.529	39.810	38.391	38.037	37.385	36.633	35.636	36.633
87.5	18.784	19.662	21.179	19.662	18.784	18.121	17.161	17.240	17.436	17.240
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	879.768	879.768	879.768	879.768	879.768
2.5	877.360	876.594	876.107	886.871	873.748
5.0	871.826	871.766	871.613	882.407	869.534
7.5	863.082	863.264	863.963	874.946	863.112
10.0	850.968	852.288	855.499	869.315	857.299
12.5	835.255	841.184	841.275	853.662	840.849
15.0	818.252	823.111	823.263	836.325	825.008
17.5	799.109	801.340	803.694	817.212	806.905
20.0	774.894	777.430	782.963	796.573	787.032
22.5	746.605	751.652	759.326	772.200	765.195
25.0	717.495	725.291	733.549	749.390	744.343
27.5	689.029	698.230	706.974	720.949	713.645

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HP3-P-ID-4FT-S-S-835-WSO-KPL2008-102.015.IES****CANDELA TABULATION - (Cont.)**

30.0	657.803	668.475	677.226	688.415	686.366
32.5	626.522	638.696	645.695	662.333	656.708
35.0	599.676	605.486	616.463	631.599	627.774
37.5	561.422	573.164	584.600	598.698	597.444
40.0	528.611	539.833	551.790	565.703	563.379
42.5	496.228	508.001	518.673	531.975	531.333
45.0	462.898	476.200	486.015	500.021	498.981
47.5	430.454	443.052	453.725	465.711	465.711
50.0	397.705	410.058	420.057	433.359	432.258
52.5	367.401	378.226	387.705	400.304	399.111
55.0	337.740	346.945	357.004	367.646	368.227
57.5	307.834	316.733	324.867	334.499	336.976
60.0	278.265	285.971	295.297	303.064	305.174
62.5	247.928	256.689	265.605	273.127	275.084
65.0	222.236	230.256	237.020	242.931	245.020
67.5	196.094	201.812	208.742	214.160	215.383
70.0	171.576	175.870	180.257	186.303	188.266
72.5	145.725	149.740	154.440	154.917	159.700
75.0	123.124	124.755	129.210	132.637	133.897
77.5	99.787	101.539	104.805	108.031	109.899
80.0	77.921	80.107	81.559	84.244	85.693
82.5	58.396	59.307	60.775	61.854	62.551
85.0	37.385	38.037	38.391	39.810	40.529
87.5	17.161	18.121	18.784	19.662	21.179
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**PHOTOMETRIC FILENAME : HP3-P-ID-4FT-S-S-835-WSO-KPL2008-102.015.IES****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-S-835-WSO-KPL2008-102.015.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	314.21	N.A.	6.20
0-30	648.84	N.A.	12.80
0-40	1028.1	N.A.	20.30
0-60	1706.8	N.A.	33.70
0-80	2069.06	N.A.	40.90
0-90	2111.88	N.A.	41.70
10-90	2029.12	N.A.	40.10
20-40	713.89	N.A.	14.10
20-50	1081.09	N.A.	21.30
40-70	907.17	N.A.	17.90
60-80	362.26	N.A.	7.20
70-80	133.78	N.A.	2.60
80-90	42.83	N.A.	0.80
90-110	330.57	N.A.	6.50
90-120	839.81	N.A.	16.60
90-130	1451.43	N.A.	28.70
90-150	2422.19	N.A.	47.80
90-180	2952.36	N.A.	58.30
110-180	2621.78	N.A.	51.80
0-180	5064.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.76
10-20	231.45
20-30	334.62
30-40	379.27
40-50	367.21
50-60	311.49
60-70	228.48
70-80	133.78
80-90	42.83
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

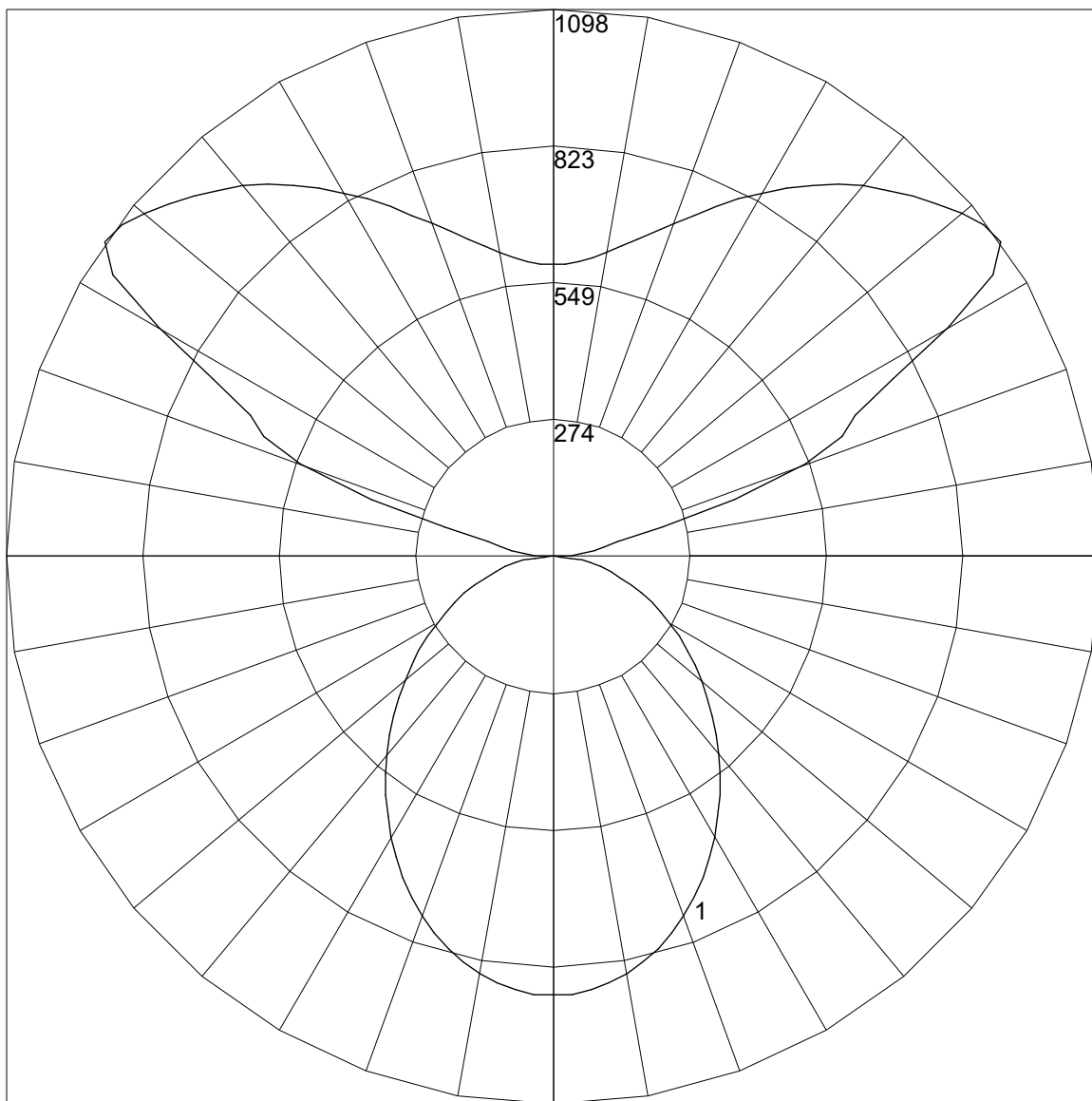
PHOTOMETRIC FILENAME : HP3-P-ID-4FT-S-S-835-WSO-KPL2008-102.015.IES

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	79	79	79	63	63	63	49	49	49	42
1	96	92	88	84	87	84	81	78	69	67	65	55	54	52	43	42	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	70	63	58	73	65	58	53	53	49	45	43	40	37	34	31	30	25
4	73	62	55	49	66	57	51	45	48	43	39	39	35	32	30	28	26	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	27	24	22	19
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	25	22	20	17
7	57	45	37	32	52	42	35	30	35	29	26	28	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	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	16	18	15	13	11

POLAR GRAPH



Maximum Candela = 1097.769 Located At Horizontal Angle = 90, Vertical Angle = 125
1 - Vertical Plane Through Horizontal Angles (90 - 270)