

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 : HPR-LED-EP-ANR-2X4-DCO-V-8-TW-ITL85152.900.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]ITL85152.900 Family Correlation File

[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.

[TESTDATE]08/28/15

[ISSUEDATE]04/15/16

[MANUFAC]FINELITE, INC.

[LUMCAT]FINELITE HPR-LED-EP-ANR-2X4-DCO-V-8-TW

[OTHER]ies file is based on 3500K; see luminaire tech sheet at www.finelite.com for lumen adjustment factors for other CCT's & CRI

[OTHER]INPUT ELECTRICAL: 120.0 VOLTS, 60.7 WATTS

[OTHER]INPUT ELECTRICAL: 277.0 VOLTS, 60.3 WATTS

[OTHER]see www.finelite.com for source file ITL85152. For further details on Finelite family correlation files, go to

[more]http://www.finelite.com/download_files/series_downloads/photometry_pdf/FL_Family_Correlation_WhitePaper.pdf

[_ABSOLUTE]LUMENS]6749

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6749
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	60.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.83 ft
Luminous Width (90-270)	1.81 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3434	3476	3507
55	3119	3125	3130
65	2747	2717	2674
75	2314	2207	2123
85	1776	1456	1314

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HPR-LED-EP-ANR-2X4-DCO-V-8-TW-ITL85152.900.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2646	2646	2646	2646	2646
2.5	2643	2643	2643	2643	2643
5.0	2634	2633	2634	2634	2634
7.5	2617	2617	2617	2617	2618
10.0	2589	2590	2595	2595	2595
12.5	2558	2559	2566	2567	2568
15.0	2519	2519	2529	2531	2531
17.5	2471	2474	2483	2487	2489
20.0	2416	2421	2431	2436	2440
22.5	2356	2362	2373	2378	2383
25.0	2289	2294	2306	2315	2318
27.5	2215	2221	2236	2244	2249
30.0	2138	2142	2158	2168	2172
32.5	2053	2058	2074	2085	2090
35.0	1963	1968	1986	1997	2003
37.5	1869	1875	1892	1903	1910
40.0	1771	1777	1793	1805	1810
42.5	1671	1677	1692	1703	1708
45.0	1569	1573	1588	1598	1602
47.5	1466	1468	1481	1490	1492
50.0	1363	1362	1374	1382	1382
52.5	1260	1256	1266	1273	1271
55.0	1156	1153	1158	1162	1160
57.5	1052	1048	1050	1053	1050
60.0	950	943	944	944	941
62.5	849	843	845	840	834
65.0	750	744	742	736	730
67.5	655	647	643	635	634
70.0	562	553	547	538	536
72.5	472	462	456	446	443
75.0	387	377	369	358	355
77.5	306	297	288	277	274
80.0	231	222	213	201	198
82.5	163	154	145	131	127
85.0	100	93	82	73	74
87.5	43	39	35	34	34
90.0	0	0	0	0	0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HPR-LED-EP-ANR-2X4-DCO-V-8-TW-ITL85152.900.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	962.19	N.A.	14.30
0-30	2023.18	N.A.	30.00
0-40	3262.41	N.A.	48.30
0-60	5520.26	N.A.	81.80
0-80	6648.19	N.A.	98.50
0-90	6748.95	N.A.	100.00
10-90	6498.84	N.A.	96.30
20-40	2300.21	N.A.	34.10
20-50	3522.88	N.A.	52.20
40-70	2992.53	N.A.	44.30
60-80	1127.93	N.A.	16.70
70-80	393.26	N.A.	5.80
80-90	100.76	N.A.	1.50
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	6748.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	250.11
10-20	712.09
20-30	1060.98
30-40	1239.23
40-50	1222.67
50-60	1035.18
60-70	734.67
70-80	393.26
80-90	100.76
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT

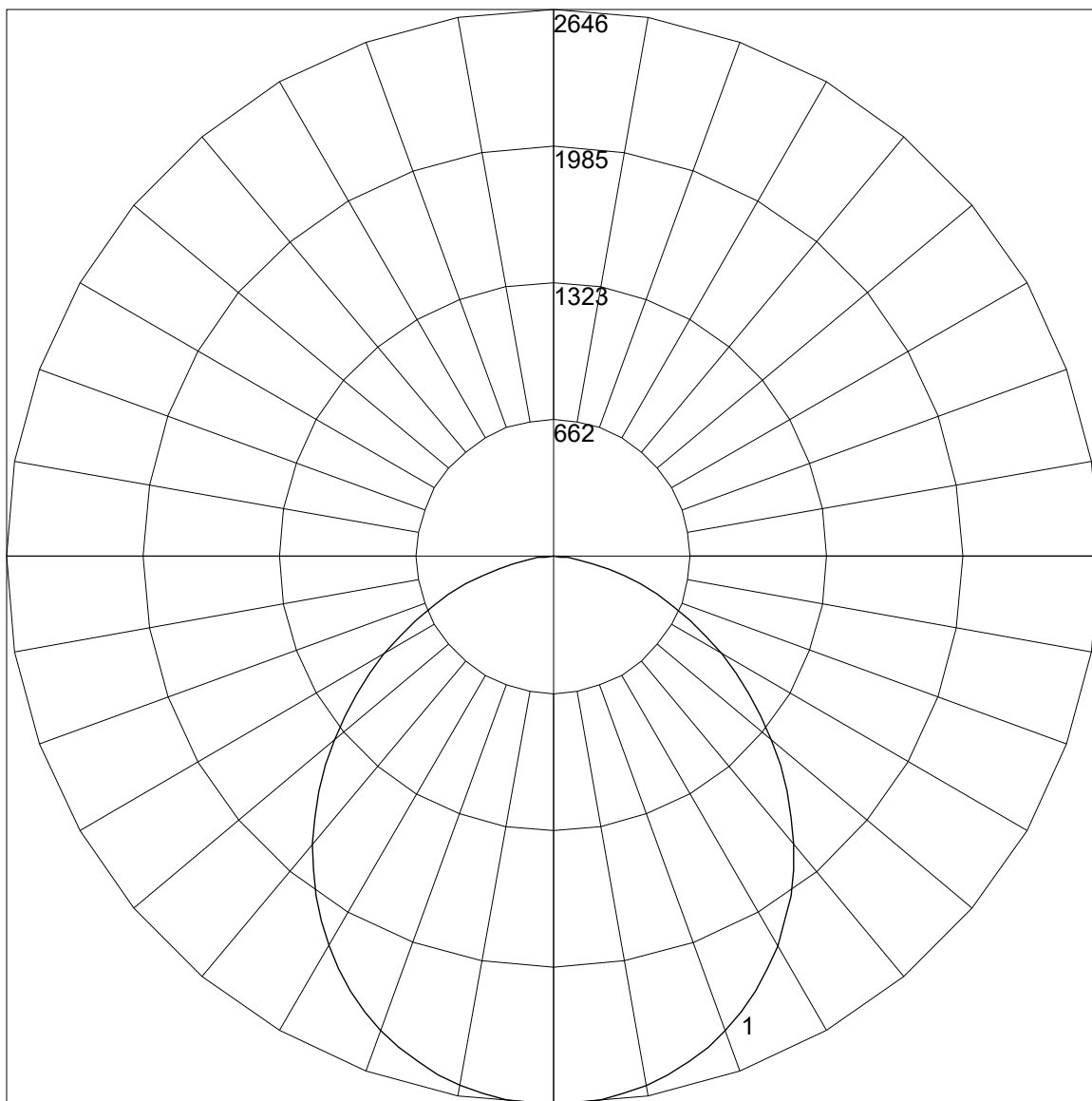
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 2646 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270)