

IES INDOOR REPORT

PHOTOMETRIC FILENAME : HP-2-ID-4FT-H-V-835-WSO-MLW-ITL89456-KPL2008-7.009.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]ITL89456-KPL2008-7.009 Family Correlation File

[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.

[TESTDATE]07/19/17

[ISSUEDATE]02/07/23

[MANUFAC]FINELITE, INC.

[LUMCAT]HP-2-ID-4ft-H-V-835-WSO-MLW

[_INPUT_ELECTRICAL]120.0 VOLTS, 64.0 WATTS

[_INPUT_ELECTRICAL]277.0 VOLTS, 64.0 WATTS

[OTHER]see www.finelite.com for source files ITL89456 and KPL2008-7. For further details on Finelite family correlation files, go

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

[_ABSOLUTE]LUMENS]6589

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6587
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	64
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)	0.18 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5067	4951	4794
55	4222	4103	3905
65	3601	3407	3188
75	3051	2830	2556
85	2399	2167	1944

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	8701.140	8701.140	8701.140	8701.140	8701.140
2.5	8503.900	8555.090	8516.110	8523.160	8539.590
5.0	8023.010	8081.720	8069.030	8076.080	8100.030
7.5	7259.780	7355.070	7384.890	7449.560	7446.880
10.0	6204.260	6404.140	6618.000	6741.140	6757.660
12.5	5066.280	5276.250	5747.980	5959.640	6004.770
15.0	4127.970	4349.640	4815.970	5136.820	5125.450
17.5	3213.520	3457.310	3940.120	4160.750	4031.040
20.0	2242.720	2577.850	3079.020	3211.130	3157.360
22.5	1508.420	1883.140	2319.550	2461.710	2393.940
25.0	1017.950	1213.410	1761.550	1862.140	1776.860
27.5	730.470	810.780	1166.160	1165.320	1044.250
30.0	533.280	613.860	745.100	733.480	676.840
32.5	406.560	462.840	525.590	505.650	498.890
35.0	339.330	360.940	395.490	390.990	378.630
37.5	309.270	312.340	327.410	317.260	299.990
40.0	283.200	285.730	281.920	270.540	265.060
42.5	259.630	261.600	252.600	245.170	244.960
45.0	235.990	238.620	230.600	224.960	223.280
47.5	206.820	217.080	209.850	205.650	202.370
50.0	194.080	196.200	191.470	188.170	187.150
52.5	177.140	178.200	172.510	167.220	165.310
55.0	159.520	160.240	155.000	151.040	147.540
57.5	143.050	143.370	138.110	133.490	131.460
60.0	127.470	127.980	122.750	118.360	116.390
62.5	113.720	113.190	108.280	104.310	101.930
65.0	100.250	99.600	94.850	90.940	88.740
67.5	86.640	86.740	82.040	78.520	76.120
70.0	74.460	74.220	70.160	66.790	64.340
72.5	62.220	62.360	58.840	55.660	53.420
75.0	52.020	51.490	48.240	45.580	43.580
77.5	41.440	40.450	38.310	36.140	34.550
80.0	32.100	31.320	29.180	27.290	26.450
82.5	22.370	22.110	20.400	19.290	18.240
85.0	13.770	13.220	12.440	11.600	11.160
87.5	5.620	5.740	5.160	4.820	4.580
90.0	0.000	0.000	0.000	0.000	0.000
92.5	14.000	24.111	24.111	23.333	23.333
95.0	36.556	64.556	64.556	53.667	52.889
97.5	61.444	105.778	129.889	93.333	87.889
100.0	87.111	137.667	258.222	150.111	132.222
102.5	115.111	168.000	357.000	265.222	210.778
105.0	142.333	200.667	413.778	432.445	356.222
107.5	169.556	232.556	448.778	583.333	543.667
110.0	196.778	262.111	479.889	672.000	679.000
112.5	224.000	290.889	516.444	730.333	759.889
115.0	252.000	318.111	560.000	772.333	815.111
117.5	280.000	345.333	607.444	812.000	857.889
120.0	308.000	374.111	646.333	854.000	900.667
122.5	333.667	398.222	674.333	913.111	945.778
125.0	357.778	421.555	689.889	977.667	1010.333
127.5	380.333	443.333	699.222	1021.222	1081.889
130.0	399.000	462.000	704.667	1039.111	1133.222
132.5	417.667	479.111	706.222	1032.111	1149.555

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HP-2-ID-4FT-H-V-835-WSO-MLW-ITL89456-KPL2008-7.009.IES****CANDELA TABULATION - (Cont.)**

135.0	434.000	493.111	705.444	1010.333	1133.222
137.5	448.778	506.333	703.111	980.778	1099.000
140.0	463.555	518.000	699.222	948.111	1055.445
142.5	477.555	528.889	693.778	911.556	1008.778
145.0	492.333	539.000	688.333	876.556	961.333
147.5	504.778	546.778	682.111	840.778	913.111
150.0	517.222	555.333	674.333	808.889	868.000
152.5	528.889	561.556	665.000	778.556	826.000
155.0	539.778	566.222	655.667	749.000	787.111
157.5	549.889	572.444	647.111	721.778	752.111
160.0	558.444	576.333	637.000	695.333	719.444
162.5	566.222	579.444	626.889	672.778	689.111
165.0	572.444	582.556	616.778	651.000	663.444
167.5	577.889	584.889	609.000	632.333	640.889
170.0	582.556	587.222	603.556	617.556	623.000
172.5	584.889	588.778	597.333	605.111	609.778
175.0	588.000	589.556	593.444	597.333	598.889
177.5	589.556	589.556	591.111	591.111	591.889
180.0	590.333	590.333	590.333	590.333	590.333

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HP-2-ID-4FT-H-V-835-WSO-MLW-ITL89456-KPL2008-7.009.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2007.08	N.A.	30.50
0-30	2729.14	N.A.	41.40
0-40	2984.44	N.A.	45.30
0-60	3302.22	N.A.	50.10
0-80	3448.07	N.A.	52.30
0-90	3462.43	N.A.	52.60
10-90	2740.62	N.A.	41.60
20-40	977.36	N.A.	14.80
20-50	1156.11	N.A.	17.60
40-70	412.24	N.A.	6.30
60-80	145.84	N.A.	2.20
70-80	51.38	N.A.	0.80
80-90	14.36	N.A.	0.20
90-110	408.95	N.A.	6.20
90-120	948.49	N.A.	14.40
90-130	1565.25	N.A.	23.80
90-150	2586.53	N.A.	39.30
90-180	3124.96	N.A.	47.40
110-180	2716.01	N.A.	41.20
0-180	6587.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	721.81
10-20	1285.27
20-30	722.05
30-40	255.31
40-50	178.76
50-60	139.03
60-70	94.46
70-80	51.38
80-90	14.36
90-100	71.33
100-110	337.61
110-120	539.54
120-130	616.76
130-140	576.44
140-150	444.84
150-160	305.78
160-170	175.72
170-180	56.93

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

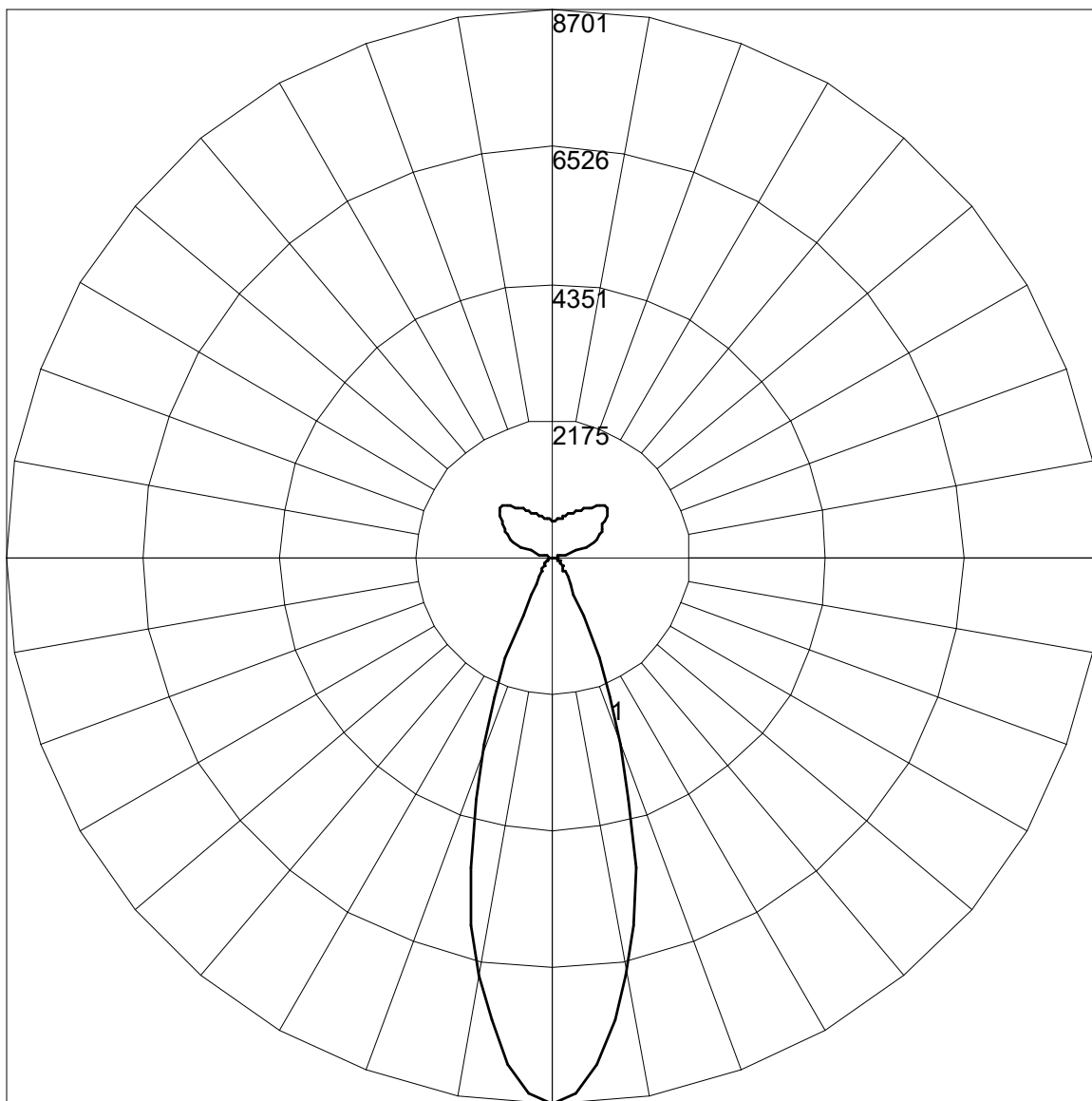
Effective Floor Cavity Reflectance 0.20

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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	58	58	58	53
1	101	97	94	92	93	91	88	86	78	76	74	66	65	64	55	55	54	49
2	94	88	84	80	87	83	79	75	72	69	66	62	60	58	52	51	50	46
3	88	81	75	71	82	76	71	67	66	63	60	58	55	53	50	48	47	43
4	83	74	68	63	77	70	65	60	62	58	55	54	51	49	47	45	44	40
5	78	69	62	58	73	65	59	55	58	54	50	51	48	46	45	43	41	38
6	73	64	57	53	69	61	55	51	54	50	47	48	45	43	43	41	39	36
7	69	60	53	49	65	57	51	47	51	47	44	46	43	40	41	39	37	35
8	66	56	50	45	62	53	48	44	48	44	41	44	40	38	39	37	35	33
9	63	53	47	43	59	50	45	41	46	42	39	42	39	36	38	35	34	32
10	60	50	44	40	56	48	42	39	44	40	37	40	37	34	36	34	32	31

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POLAR GRAPH



Maximum Candela = 8701.14 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (90 - 270)