



IES INDOOR REPORT

PHOTOMETRIC FILENAME : INLL48H40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2014.1.3 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] 06/14/2016

[TEST] 1659

[MANUFAC]

[LUMCAT] INLL48H40

[LUMINAIRE] FORMED STEEL HOUSING, WHITE SOLID STEEL REFLECTOR.

[LAMP] LED 15W 33 LED linear LED module 4000K

[LAMPCAT] TMU045015HL840

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7080
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	65
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.99 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.25 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11769	10265	10443
55	11333	9598	9823
65	10681	8251	4849
75	9427	3383	988
85	6120	882	627

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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	2386.916	2386.916	2386.916	2386.916	2386.916
5	2412.332	2391.822	2383.445	2385.525	2401.058
10	2357.127	2374.065	2349.109	2353.039	2351.189
15	2335.355	2315.849	2316.078	2301.750	2287.063
20	2273.997	2247.061	2238.585	2234.368	2219.294
25	2191.813	2174.459	2153.490	2151.941	2147.638
30	2097.812	2080.472	2063.590	2056.405	2052.948
35	1995.750	1971.209	1954.973	1947.099	1949.251
40	1865.389	1844.033	1843.861	1829.590	1834.079
45	1730.224	1720.930	1697.867	1703.303	1706.659
50	1577.274	1561.569	1555.588	1560.049	1563.663
55	1415.948	1404.905	1403.599	1411.258	1414.098
60	1244.540	1232.406	1240.194	1190.238	1024.466
65	1058.085	1054.600	1011.902	633.686	582.369
70	861.433	865.048	617.651	451.521	364.289
75	661.640	616.590	322.437	110.811	91.520
80	456.268	337.411	107.555	75.041	69.906
85	239.709	118.241	57.414	40.805	39.069
90	69.447	39.858	25.229	17.584	13.941

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	879.20	N.A.	12.40
0-30	1876.59	N.A.	26.50
0-40	3104.64	N.A.	43.90
0-60	5672.23	N.A.	80.10
0-80	6969.28	N.A.	98.40
0-90	7079.52	N.A.	100.00
10-90	6852.49	N.A.	96.80
20-40	2225.44	N.A.	31.40
20-50	3544.27	N.A.	50.10
40-70	3457.18	N.A.	48.80
60-80	1297.05	N.A.	18.30
70-80	407.45	N.A.	5.80
80-90	110.24	N.A.	1.60
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	7079.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	227.03
10-20	652.17
20-30	997.39
30-40	1228.05
40-50	1318.84
50-60	1248.75
60-70	889.60
70-80	407.45
80-90	110.24
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

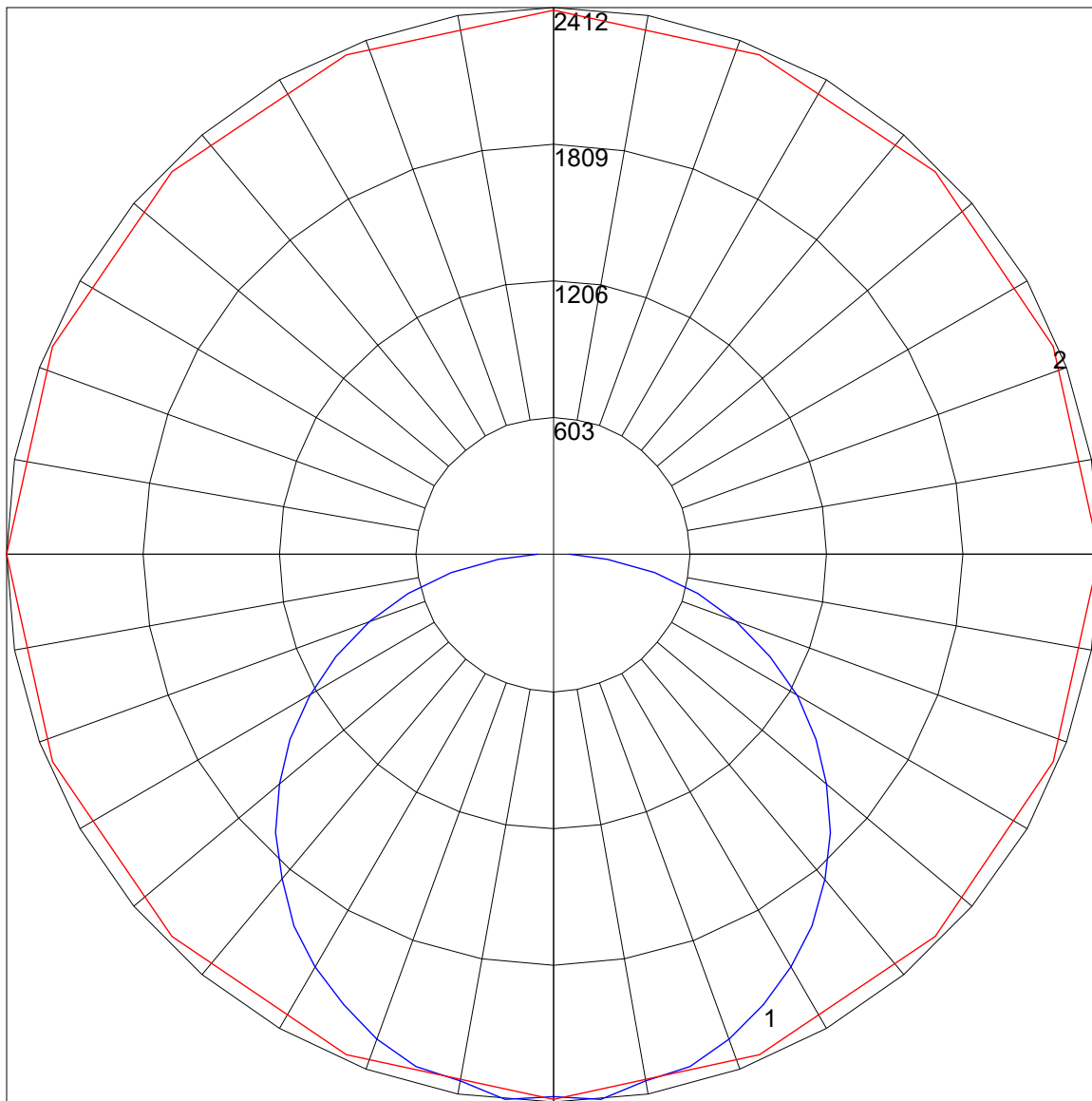
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	59	52	46	58	51	46	56	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 2412.332 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)