



IES INDOOR REPORT

PHOTOMETRIC FILENAME : INLL48M40.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] 1658

[MANUFAC]

[LUMCAT] INLL48M40

[LUMINAIRE] FORMED STEEL HOUSING, WHITE SOLID STEEL

[MORE] REFLECTOR W/FROSTED POLYCARBONATE DIFFUSER

[LAMP] LED 56 LED linear LED module 4000K (2)

[LAMPCAT]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5536
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	49.8
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	9204	8027	8166
55	8863	7506	7682
65	8352	6453	3792
75	7372	2646	773
85	4786	690	490

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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	1866.578	1866.578	1866.578	1866.578	1866.578
5	1886.453	1870.414	1863.864	1865.490	1877.637
10	1843.282	1856.528	1837.013	1840.086	1838.639
15	1826.256	1811.003	1811.182	1799.977	1788.492
20	1778.274	1757.211	1750.582	1747.285	1735.497
25	1714.007	1700.435	1684.038	1682.826	1679.461
30	1640.497	1626.937	1613.736	1608.116	1605.413
35	1560.684	1541.493	1528.797	1522.639	1524.322
40	1458.742	1442.041	1441.907	1430.747	1434.257
45	1353.042	1345.774	1327.739	1331.990	1334.614
50	1233.435	1221.153	1216.476	1219.964	1222.791
55	1107.277	1098.641	1097.620	1103.610	1105.830
60	973.235	963.746	969.836	930.771	801.136
65	827.427	824.701	791.311	495.545	455.414
70	673.644	676.471	483.006	353.091	284.875
75	517.405	482.176	252.147	86.655	71.569
80	356.803	263.856	84.109	58.682	54.667
85	187.453	92.465	44.898	31.910	30.552
90	54.308	31.169	19.729	13.751	10.902

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	687.54	N.A.	12.40
0-30	1467.5	N.A.	26.50
0-40	2427.84	N.A.	43.90
0-60	4435.71	N.A.	80.10
0-80	5450.00	N.A.	98.40
0-90	5536.21	N.A.	100.00
10-90	5358.67	N.A.	96.80
20-40	1740.3	N.A.	31.40
20-50	2771.64	N.A.	50.10
40-70	2703.53	N.A.	48.80
60-80	1014.3	N.A.	18.30
70-80	318.63	N.A.	5.80
80-90	86.21	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	5536.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	177.54
10-20	510.00
20-30	779.96
30-40	960.34
40-50	1031.34
50-60	976.53
60-70	695.67
70-80	318.63
80-90	86.21
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

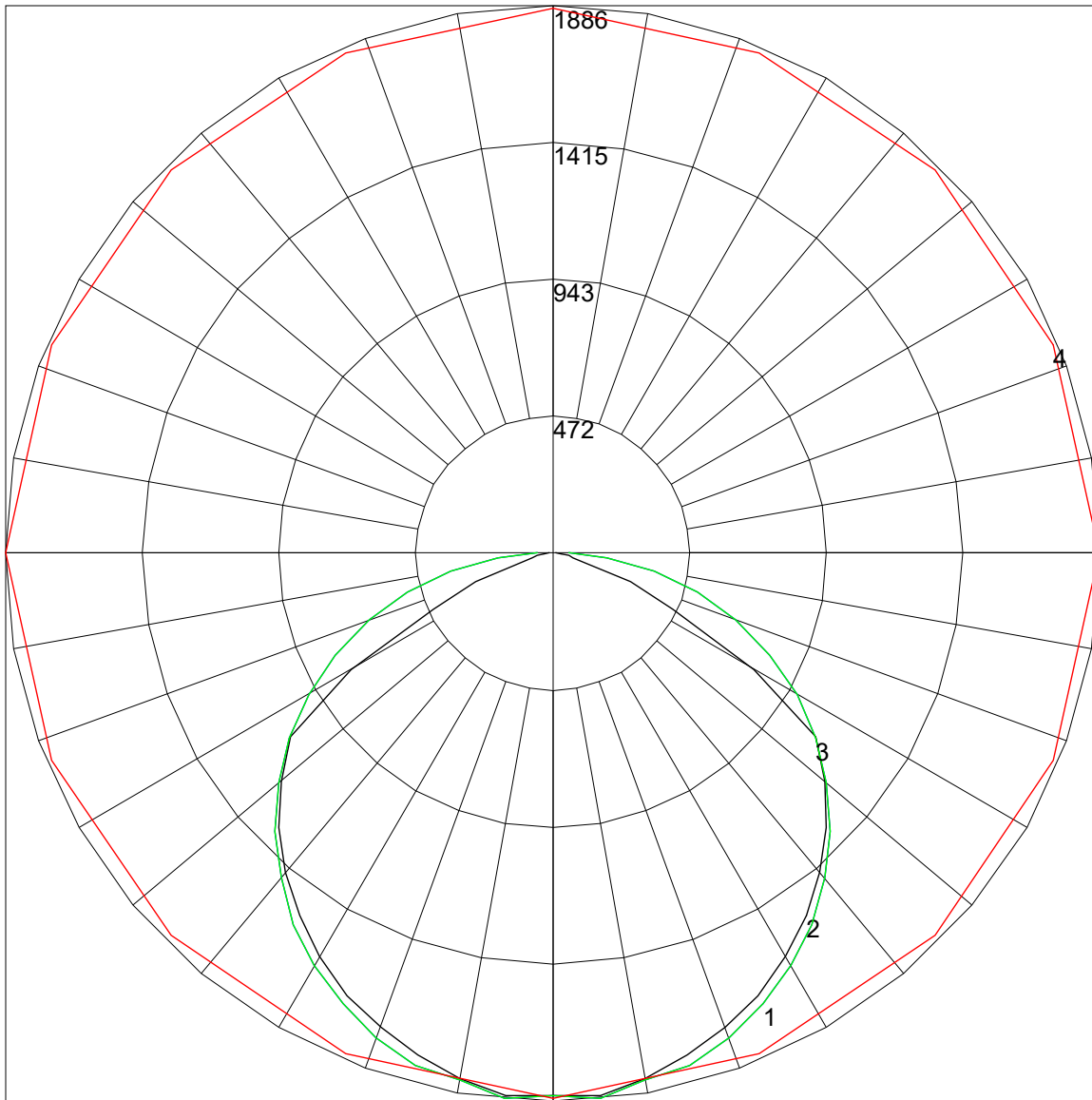
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1886.453 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)