



**IES INDOOR REPORT
PHOTOMETRIC FILENAME : INLL48L40.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] 1657
 [MANUFAC]
 [LUMCAT] INLL48L40
 [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	3450
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	33
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	5735	5002	5089
55	5523	4677	4787
65	5205	4021	2363
75	4594	1649	482
85	2982	430	306

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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	1163.116	1163.116	1163.116	1163.116	1163.116
5	1175.501	1165.507	1161.425	1162.438	1170.007
10	1148.600	1156.854	1144.693	1146.608	1145.707
15	1137.991	1128.486	1128.598	1121.616	1114.459
20	1108.092	1094.967	1090.836	1088.781	1081.436
25	1068.045	1059.588	1049.370	1048.616	1046.519
30	1022.239	1013.789	1005.563	1002.062	1000.377
35	972.505	960.547	952.636	948.799	949.847
40	908.982	898.576	898.492	891.538	893.725
45	843.118	838.589	827.351	830.000	831.635
50	768.587	760.934	758.020	760.194	761.955
55	689.975	684.594	683.958	687.690	689.073
60	606.449	600.537	604.332	579.989	499.210
65	515.592	513.894	493.088	308.788	283.781
70	419.766	421.528	300.974	220.021	177.514
75	322.410	300.457	157.120	53.997	44.597
80	222.334	164.416	52.411	36.566	34.064
85	116.807	57.617	27.977	19.884	19.038
90	33.841	19.422	12.294	8.569	6.793

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	428.43	N.A.	12.40
0-30	914.44	N.A.	26.50
0-40	1512.86	N.A.	43.90
0-60	2764.01	N.A.	80.10
0-80	3396.05	N.A.	98.40
0-90	3449.77	N.A.	100.00
10-90	3339.14	N.A.	96.80
20-40	1084.43	N.A.	31.40
20-50	1727.08	N.A.	50.10
40-70	1684.65	N.A.	48.80
60-80	632.04	N.A.	18.30
70-80	198.55	N.A.	5.80
80-90	53.72	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	3449.77	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.63
10-20	317.80
20-30	486.02
30-40	598.41
40-50	642.65
50-60	608.50
60-70	433.49
70-80	198.55
80-90	53.72
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

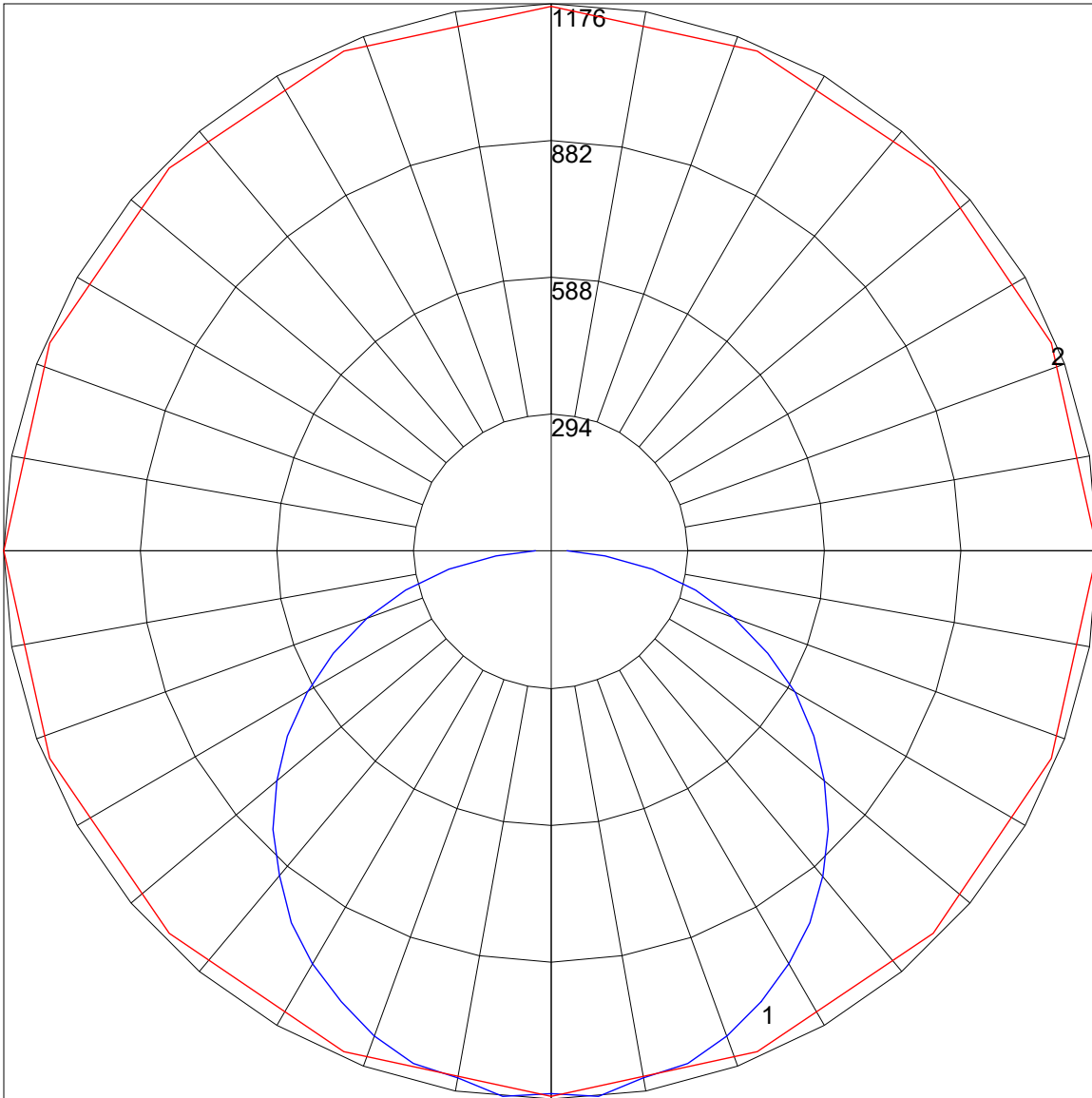
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1175.501 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.)