



IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT24-LED-48L-W-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-9541

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]02/14/18

[TEST DATE]01/09/18

[MANUFACT]LSI INDUSTRIES, INC

[LUMCAT]OPT24-LED-48L-W-35

[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER]TEST PROCEDURE: IESNA LM-79-08

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4723
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	38.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1909	1988	2053
55	1821	1985	2151
65	1695	2029	2392
75	1459	2213	2685
85	1018	2607	3517

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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	1446	1446	1446	1446	1446
2.5	1479	1458	1447	1438	1425
5.0	1478	1458	1447	1438	1425
7.5	1474	1455	1444	1436	1425
10.0	1467	1448	1438	1431	1421
12.5	1456	1438	1429	1424	1414
15.0	1442	1425	1417	1413	1406
17.5	1425	1409	1403	1401	1395
20.0	1404	1390	1386	1385	1380
22.5	1380	1367	1365	1367	1362
25.0	1351	1340	1341	1346	1341
27.5	1317	1311	1314	1322	1318
30.0	1281	1277	1285	1295	1291
32.5	1243	1240	1251	1265	1261
35.0	1201	1198	1215	1233	1229
37.5	1154	1155	1176	1199	1195
40.0	1106	1111	1135	1160	1158
42.5	1056	1063	1091	1122	1121
45.0	1004	1014	1046	1081	1080
47.5	951	963	1000	1036	1039
50.0	895	909	949	992	1000
52.5	839	854	899	948	959
55.0	777	797	847	902	918
57.5	719	738	795	856	878
60.0	658	679	741	811	838
62.5	595	621	689	767	798
65.0	533	562	638	723	752
67.5	470	503	589	672	694
70.0	407	444	539	615	636
72.5	345	386	486	555	576
75.0	281	331	426	493	517
77.5	222	277	364	429	454
80.0	165	223	298	363	387
82.5	111	170	235	294	313
85.0	66	115	169	215	228
87.5	30	62	100	125	136
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	539.16	N.A.	11.40
0-30	1158.46	N.A.	24.50
0-40	1918.85	N.A.	40.60
0-60	3484.77	N.A.	73.80
0-80	4552.76	N.A.	96.40
0-90	4723.35	N.A.	100.00
10-90	4585.34	N.A.	97.10
20-40	1379.69	N.A.	29.20
20-50	2186.51	N.A.	46.30
40-70	2199.49	N.A.	46.60
60-80	1067.99	N.A.	22.60
70-80	434.42	N.A.	9.20
80-90	170.59	N.A.	3.60
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	4723.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	138.01
10-20	401.16
20-30	619.30
30-40	760.39
40-50	806.82
50-60	759.10
60-70	633.56
70-80	434.42
80-90	170.59
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

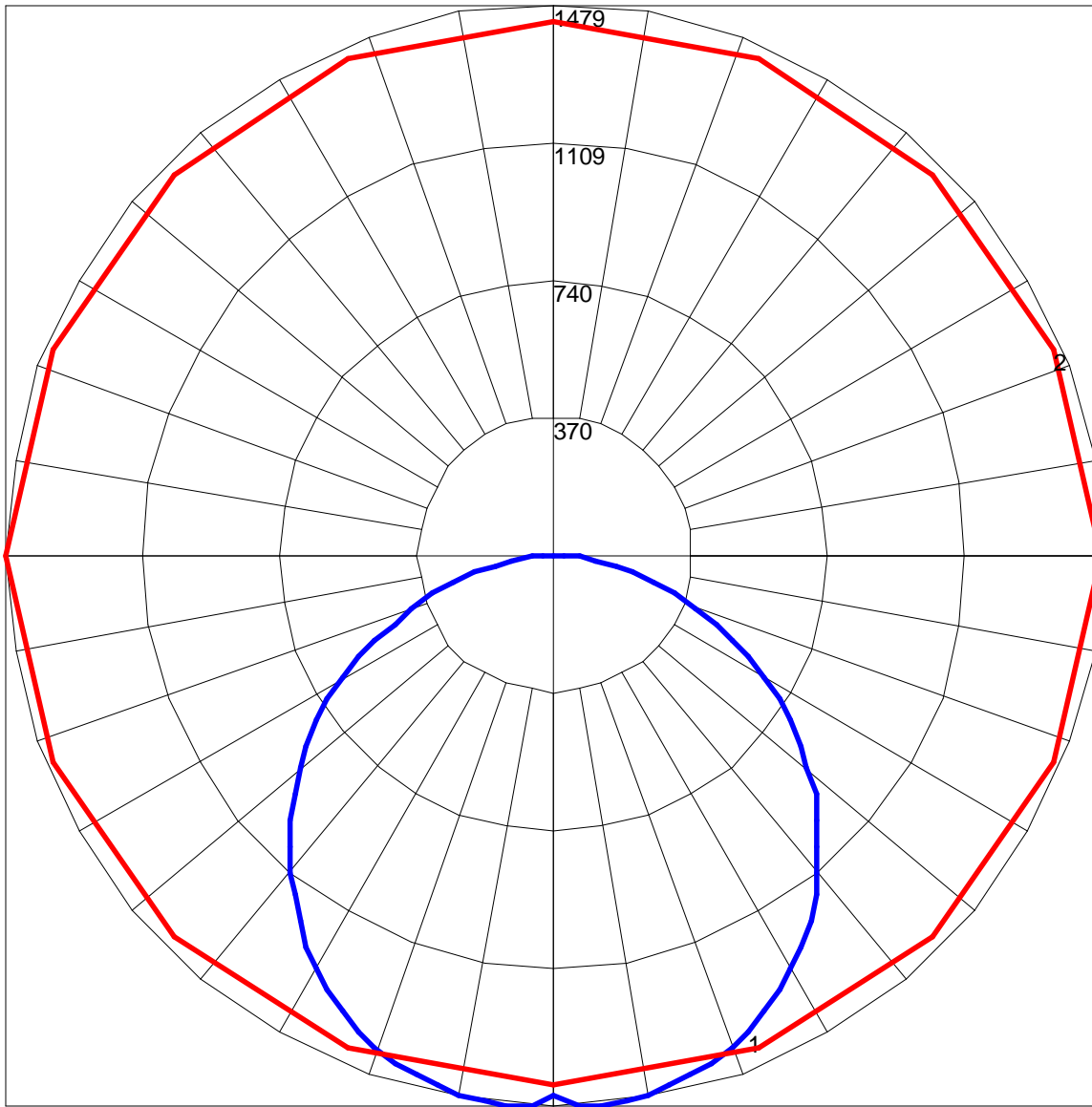
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	102	97	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	97	88	81	75	94	86	79	74	83	77	72	79	74	70	76	72	69	66
3	88	77	68	61	86	75	67	61	72	65	60	69	63	58	67	62	57	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	34	61	48	40	33	47	39	33	45	38	33	44	37	33	31
8	59	45	36	30	57	44	36	30	43	35	29	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 1479 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)