



IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT22-LED-45L-W-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-9406

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]02/14/18

[TEST DATE]11/30/17

[MANUFACTURER]LSI INDUSTRIES, INC

[LUMCAT]OPT22-LED-45L-W-40

[_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	4523
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	36
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	3673	3855	4057
55	3492	3825	4247
65	3263	3912	4625
75	2794	4051	5038
85	2005	3856	4627

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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	1401	1401	1401	1401	1401
2.5	1427	1418	1403	1387	1381
5.0	1427	1418	1403	1388	1382
7.5	1424	1413	1400	1385	1379
10.0	1416	1407	1394	1382	1377
12.5	1405	1397	1387	1376	1371
15.0	1390	1384	1376	1366	1363
17.5	1374	1368	1362	1356	1353
20.0	1355	1349	1346	1344	1341
22.5	1331	1327	1326	1328	1327
25.0	1305	1302	1304	1308	1308
27.5	1273	1270	1278	1285	1288
30.0	1237	1237	1248	1260	1265
32.5	1197	1199	1215	1232	1238
35.0	1155	1159	1180	1200	1209
37.5	1112	1118	1141	1166	1178
40.0	1066	1073	1100	1128	1143
42.5	1017	1026	1057	1091	1105
45.0	966	978	1014	1050	1067
47.5	914	928	965	1008	1025
50.0	862	876	917	964	985
52.5	806	820	867	919	945
55.0	745	766	816	877	906
57.5	690	709	766	834	868
60.0	631	653	714	793	835
62.5	572	595	663	752	788
65.0	513	539	615	698	727
67.5	452	482	568	640	671
70.0	391	422	513	578	611
72.5	333	366	452	519	552
75.0	269	310	390	454	485
77.5	211	256	327	388	416
80.0	157	200	260	310	338
82.5	109	146	194	231	246
85.0	65	93	125	146	150
87.5	30	43	52	43	38
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	522.42	N.A.	11.50
0-30	1123.84	N.A.	24.80
0-40	1862.34	N.A.	41.20
0-60	3380.04	N.A.	74.70
0-80	4393.87	N.A.	97.10
0-90	4523.13	N.A.	100.00
10-90	4389.48	N.A.	97.00
20-40	1339.93	N.A.	29.60
20-50	2122.47	N.A.	46.90
40-70	2128.44	N.A.	47.10
60-80	1013.83	N.A.	22.40
70-80	403.08	N.A.	8.90
80-90	129.26	N.A.	2.90
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	4523.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	133.65
10-20	388.77
20-30	601.43
30-40	738.50
40-50	782.55
50-60	735.15
60-70	610.75
70-80	403.08
80-90	129.26
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

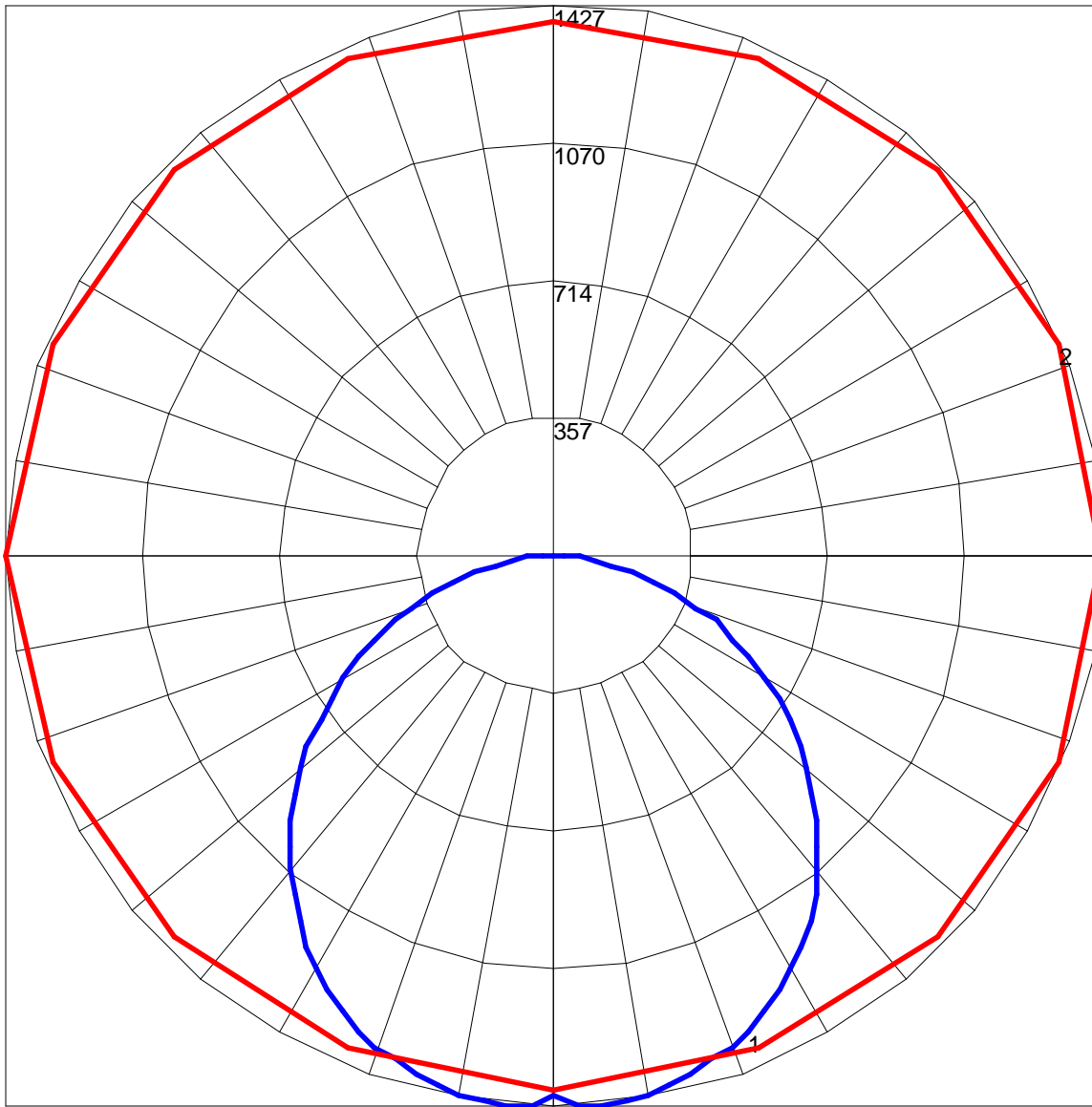
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	73	80	75	71	77	73	69	67
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47
5	74	61	51	44	72	60	51	44	57	50	44	55	49	43	53	47	43	40
6	68	54	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	34	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	27
9	55	41	33	27	53	41	32	27	39	32	27	38	32	27	37	31	26	25
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24	22

POLAR GRAPH



Maximum Candela = 1427 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.)