IES INDOOR REPORT
PHOTOMETRIC FILENAME : OPT22-LED-45L-W-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9440
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]02/14/18
[TESTDATE]12/12/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]OPT22-LED-45L-W-50
[_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	4479
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	35.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.34
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	3646	3829	4042
55	3473	3801	4204
65	3193	3836	4574
75	2732	3895	4851
85	1912	3455	4226

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	1407	1407	1407	1407	1407
2.5	1434	1424	1409	1393	1387
5.0	1434	1424	1409	1393	1387
7.5	1429	1419	1406	1391	1386
10.0	1421	1413	1400	1387	1382
12.5	1410	1402	1392	1381	1376
15.0	1396	1389	1381	1372	1368
17.5	1378	1372	1366	1360	1358
20.0	1358	1353	1348	1346	1344
22.5	1334	1329	1329	1329	1329
25.0	1305	1303	1306	1309	1309
27.5	1274	1273	1280	1286	1290
30.0	1238	1239	1249	1260	1265
32.5	1197	1201	1215	1231	1239
35.0	1154	1160	1179	1199	1208
37.5	1109	1114	1138	1165	1176
40.0	1058	1067	1097	1127	1140
42.5	1009	1020	1052	1088	1104
45.0	959	971	1007	1048	1063
47.5	906	921	961	1004	1024
50.0	853	869	912	960	980
52.5	798	814	862	914	939
55.0	741	758	811	869	897
57.5	681	701	758	823	856
60.0	623	642	704	781	821
62.5	561	585	654	739	776
65.0	502	528	603	687	719
67.5	442	471	553	627	659
70.0	383	414	501	566	596
72.5	324	357	439	502	534
75.0	263	303	375	437	467
77.5	206	246	312	369	396
80.0	154	190	247	294	319
82.5	104	136	179	216	231
85.0	62	84	112	130	137
87.5	29	38	45	33	24
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	524.26	N.A.	11.70
0-30	1126.47	N.A.	25.10
0-40	1864.24	N.A.	41.60
0-60	3371.24	N.A.	75.30
0-80	4360.17	N.A.	97.30
0-90	4479.19	N.A.	100.00
10-90	4344.98	N.A.	97.00
20-40	1339.98	N.A.	29.90
20-50	2118.7	N.A.	47.30
40-70	2106.53	N.A.	47.00
60-80	988.93	N.A.	22.10
70-80	389.40	N.A.	8.70
80-90	119.01	N.A.	2.70
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	4479.19	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	134.20
10-20	390.06
20-30	602.21
30-40	737.77
40-50	778.72
50-60	728.28
60-70	599.53
70-80	389.40
80-90	119.01
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	101	96	93	96	93	90	92	89	87	89	86	84	82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	43	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	35
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22

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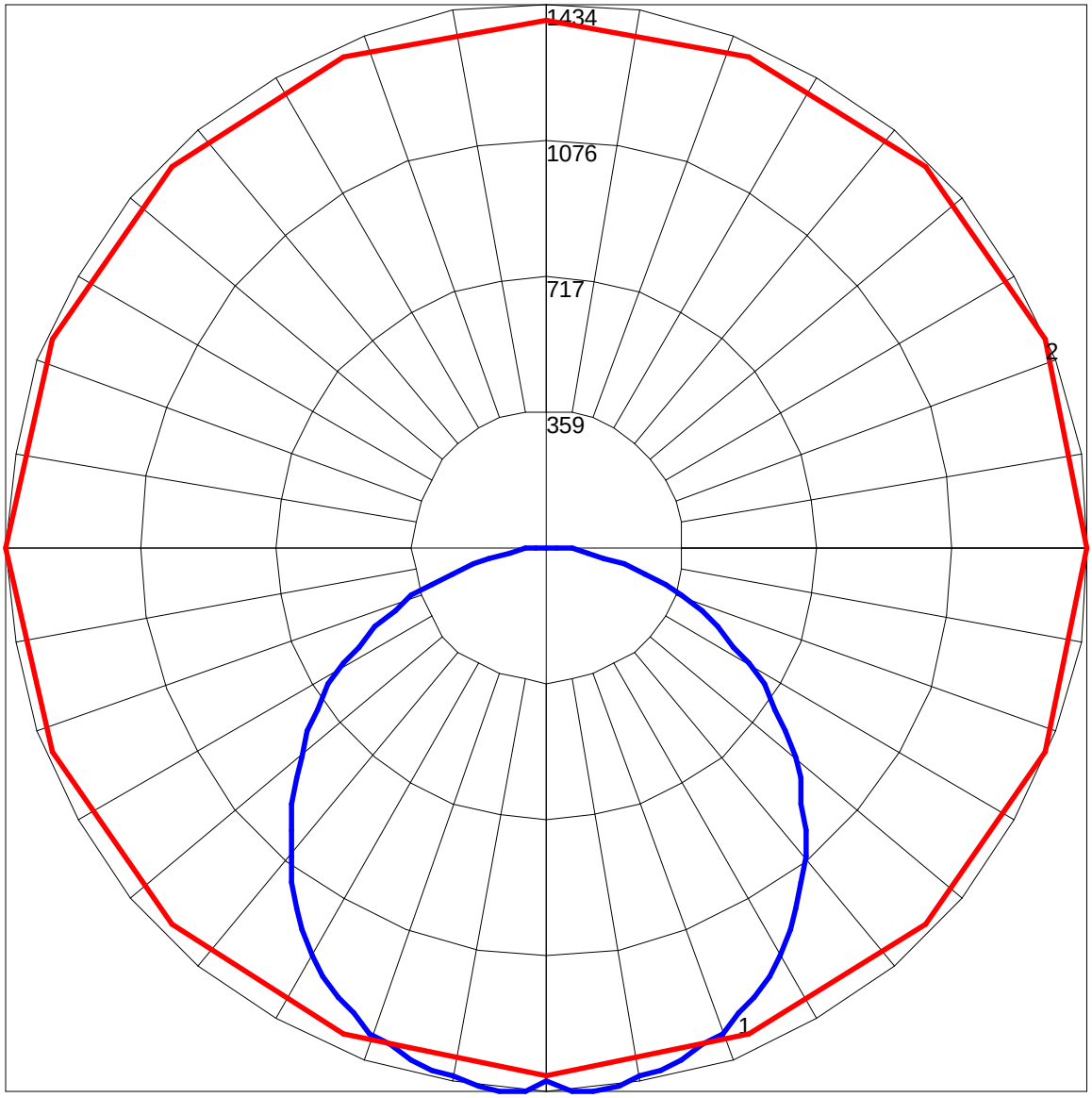
POLAR GRAPH



Maximum Candela = 1434 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.)

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