



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : OPT22-LED-45L-W-35.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-9542  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]02/14/18  
[TEST DATE]01/09/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT]OPT22-LED-45L-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	4316
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	36.2
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	3479	3665	3874
55	3309	3642	4050
65	3060	3715	4453
75	2638	3875	4841
85	1820	3948	5028

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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	1340	1340	1340	1340	1340
2.5	1365	1354	1341	1326	1320
5.0	1364	1354	1341	1326	1321
7.5	1359	1350	1337	1324	1319
10.0	1352	1344	1332	1321	1316
12.5	1342	1334	1324	1314	1311
15.0	1327	1321	1313	1306	1302
17.5	1310	1305	1301	1296	1294
20.0	1291	1287	1285	1282	1283
22.5	1268	1264	1265	1266	1267
25.0	1242	1239	1243	1248	1250
27.5	1211	1211	1218	1226	1229
30.0	1178	1178	1190	1202	1206
32.5	1141	1143	1158	1175	1182
35.0	1100	1105	1124	1144	1153
37.5	1056	1062	1086	1111	1123
40.0	1010	1019	1047	1078	1090
42.5	964	974	1006	1041	1057
45.0	915	926	964	1003	1019
47.5	863	877	918	962	982
50.0	812	828	873	922	943
52.5	760	777	825	880	903
55.0	706	725	777	836	864
57.5	652	674	728	794	826
60.0	597	618	680	754	792
62.5	541	565	631	716	751
65.0	481	510	584	668	700
67.5	425	453	538	613	645
70.0	366	398	489	557	589
72.5	309	346	432	496	528
75.0	254	294	373	437	466
77.5	200	245	314	372	401
80.0	150	192	255	306	330
82.5	102	138	191	234	252
85.0	59	87	128	154	163
87.5	27	42	58	58	58
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	498.94	N.A.	11.60
0-30	1072.34	N.A.	24.80
0-40	1775.88	N.A.	41.10
0-60	3219.34	N.A.	74.60
0-80	4185.76	N.A.	97.00
0-90	4316.14	N.A.	100.00
10-90	4188.44	N.A.	97.00
20-40	1276.94	N.A.	29.60
20-50	2021.38	N.A.	46.80
40-70	2024.28	N.A.	46.90
60-80	966.42	N.A.	22.40
70-80	385.59	N.A.	8.90
80-90	130.39	N.A.	3.00
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	4316.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	127.70
10-20	371.24
20-30	573.40
30-40	703.54
40-50	744.44
50-60	699.01
60-70	580.83
70-80	385.59
80-90	130.39
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

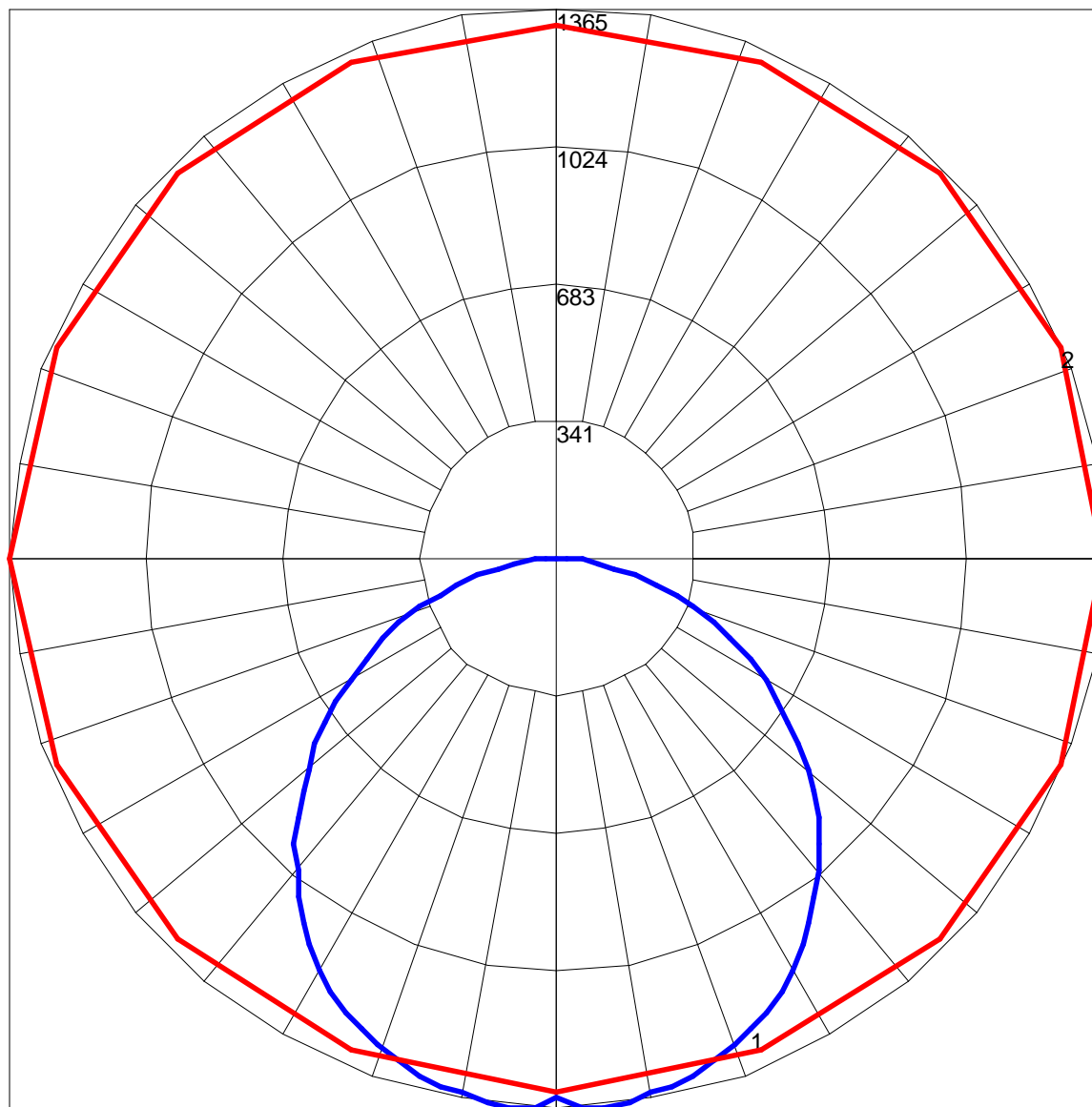
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	92	89	92	89	86	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	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	48	43	53	47	43	40
6	68	54	45	39	66	53	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	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	31	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 = 1365 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.)