



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-45L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]08/18/17
[TEST]DATE]08/18/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC14-LED-45L-30
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4359
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	34.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3383	3785	4114
55	3138	3765	4272
65	2912	3833	4396
75	2669	3813	3701
85	2465	3464	3864

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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	1375.640	1375.640	1375.640	1375.640	1375.640
2.5	1410.193	1388.597	1377.799	1364.842	1358.363
5.0	1405.874	1386.437	1377.799	1364.842	1354.044
7.5	1399.395	1382.118	1373.480	1362.682	1356.204
10.0	1399.395	1377.799	1371.321	1362.682	1354.044
12.5	1384.278	1364.842	1362.682	1356.204	1349.725
15.0	1369.161	1351.885	1354.044	1354.044	1345.406
17.5	1351.885	1336.768	1338.927	1343.246	1338.927
20.0	1323.810	1313.012	1319.491	1328.129	1325.970
22.5	1295.736	1289.257	1300.055	1315.172	1313.012
25.0	1267.662	1261.183	1280.619	1297.896	1297.896
27.5	1228.790	1228.790	1254.704	1278.459	1282.779
30.0	1187.758	1196.396	1226.630	1256.864	1263.343
32.5	1142.407	1153.205	1194.237	1230.949	1237.428
35.0	1099.216	1114.333	1161.843	1207.194	1215.832
37.5	1047.387	1066.823	1122.971	1174.801	1185.598
40.0	999.876	1021.472	1086.259	1142.407	1155.365
42.5	941.568	967.483	1040.908	1101.376	1118.652
45.0	889.739	915.653	995.557	1064.663	1081.940
47.5	833.590	868.143	952.366	1027.951	1047.387
50.0	777.442	814.154	902.696	982.600	999.876
52.5	723.453	762.325	857.345	935.089	958.845
55.0	669.464	708.336	803.356	887.579	911.334
57.5	615.475	658.666	758.006	840.069	863.824
60.0	563.645	606.836	704.017	786.080	811.995
62.5	507.497	550.688	652.187	732.091	751.527
65.0	457.827	498.858	602.517	678.102	691.059
67.5	401.678	442.710	546.369	604.677	611.155
70.0	349.849	397.359	490.220	529.092	522.614
72.5	304.498	352.008	431.912	451.348	440.550
75.0	256.988	304.498	367.125	364.966	356.327
77.5	211.637	261.307	300.179	291.541	278.583
80.0	164.127	207.318	228.913	220.275	215.956
82.5	118.776	157.648	168.446	166.286	166.286
85.0	79.904	105.818	112.297	118.776	125.254
87.5	41.032	53.989	53.989	58.308	60.468
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	513.59	N.A.	11.80
0-30	1103.75	N.A.	25.30
0-40	1828.61	N.A.	42.00
0-60	3308.05	N.A.	75.90
0-80	4241.85	N.A.	97.30
0-90	4358.51	N.A.	100.00
10-90	4227.25	N.A.	97.00
20-40	1315.02	N.A.	30.20
20-50	2080.21	N.A.	47.70
40-70	2057.25	N.A.	47.20
60-80	933.81	N.A.	21.40
70-80	355.99	N.A.	8.20
80-90	116.65	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	4358.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	131.26
10-20	382.33
20-30	590.15
30-40	724.86
40-50	765.20
50-60	714.24
60-70	577.81
70-80	355.99
80-90	116.65
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

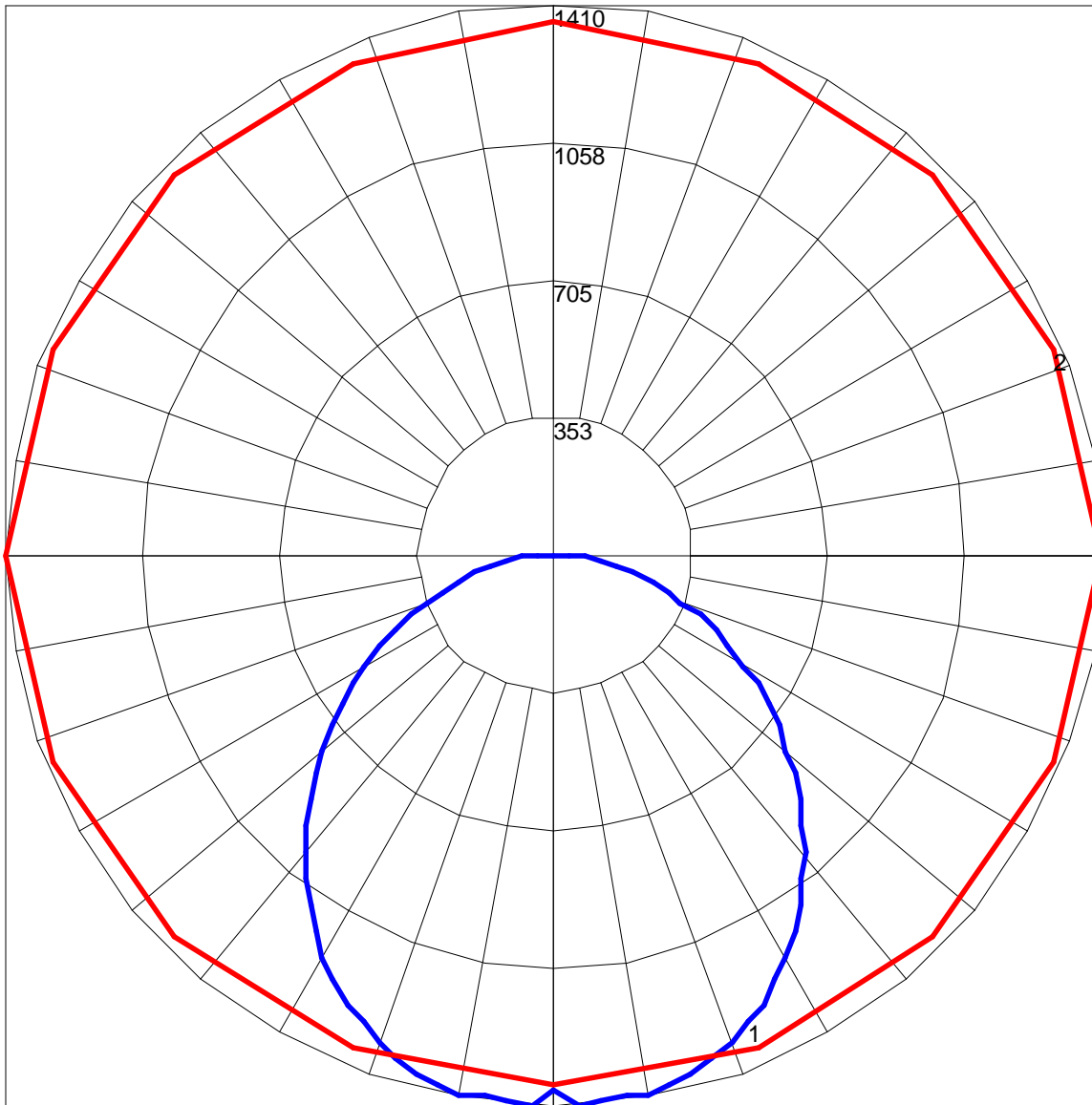
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 1410.193 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.)