



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-35L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]08/18/17
[TESTDATE]08/18/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC14-LED-35L-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	3381
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	28.2
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	2624	2937	3191
55	2434	2921	3314
65	2260	2974	3411
75	2071	2959	2872
85	1912	2687	2997

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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	1067.243	1067.243	1067.243	1067.243	1067.243
2.5	1094.049	1077.295	1068.918	1058.865	1053.839
5.0	1090.698	1075.620	1068.918	1058.865	1050.488
7.5	1085.672	1072.269	1065.567	1057.190	1052.164
10.0	1085.672	1068.918	1063.892	1057.190	1050.488
12.5	1073.944	1058.865	1057.190	1052.164	1047.138
15.0	1062.216	1048.813	1050.488	1050.488	1043.787
17.5	1048.813	1037.085	1038.760	1042.111	1038.760
20.0	1027.032	1018.655	1023.682	1030.383	1028.708
22.5	1005.252	1000.226	1008.603	1020.331	1018.655
25.0	983.472	978.445	993.524	1006.927	1006.927
27.5	953.314	953.314	973.419	991.849	995.200
30.0	921.481	928.183	951.639	975.094	980.121
32.5	886.297	894.674	926.507	954.989	960.016
35.0	852.789	864.517	901.376	936.560	943.261
37.5	812.579	827.658	871.218	911.429	919.806
40.0	775.719	792.474	842.736	886.297	896.350
42.5	730.483	750.588	807.552	854.464	867.868
45.0	690.273	710.378	772.369	825.982	839.385
47.5	646.712	673.519	738.860	797.500	812.579
50.0	603.151	631.633	700.326	762.316	775.719
52.5	561.266	591.423	665.142	725.457	743.887
55.0	519.380	549.538	623.256	688.598	707.027
57.5	477.495	511.003	588.072	651.738	670.168
60.0	437.285	470.793	546.187	609.853	629.958
62.5	393.724	427.232	505.977	567.967	583.046
65.0	355.189	387.022	467.442	526.082	536.134
67.5	311.628	343.461	423.881	469.118	474.144
70.0	271.418	308.277	380.320	410.478	405.452
72.5	236.234	273.093	335.084	350.163	341.786
75.0	199.375	236.234	284.821	283.146	276.444
77.5	164.191	202.726	232.883	226.182	216.129
80.0	127.332	160.840	177.595	170.893	167.542
82.5	92.148	122.306	130.683	129.007	129.007
85.0	61.991	82.096	87.122	92.148	97.174
87.5	31.833	41.886	41.886	45.236	46.912
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	398.45	N.A.	11.80
0-30	856.30	N.A.	25.30
0-40	1418.66	N.A.	42.00
0-60	2566.43	N.A.	75.90
0-80	3290.89	N.A.	97.30
0-90	3381.4	N.A.	100.00
10-90	3279.56	N.A.	97.00
20-40	1020.21	N.A.	30.20
20-50	1613.86	N.A.	47.70
40-70	1596.05	N.A.	47.20
60-80	724.46	N.A.	21.40
70-80	276.19	N.A.	8.20
80-90	90.50	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	3381.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	101.83
10-20	296.62
20-30	457.85
30-40	562.36
40-50	593.65
50-60	554.12
60-70	448.28
70-80	276.19
80-90	90.50
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

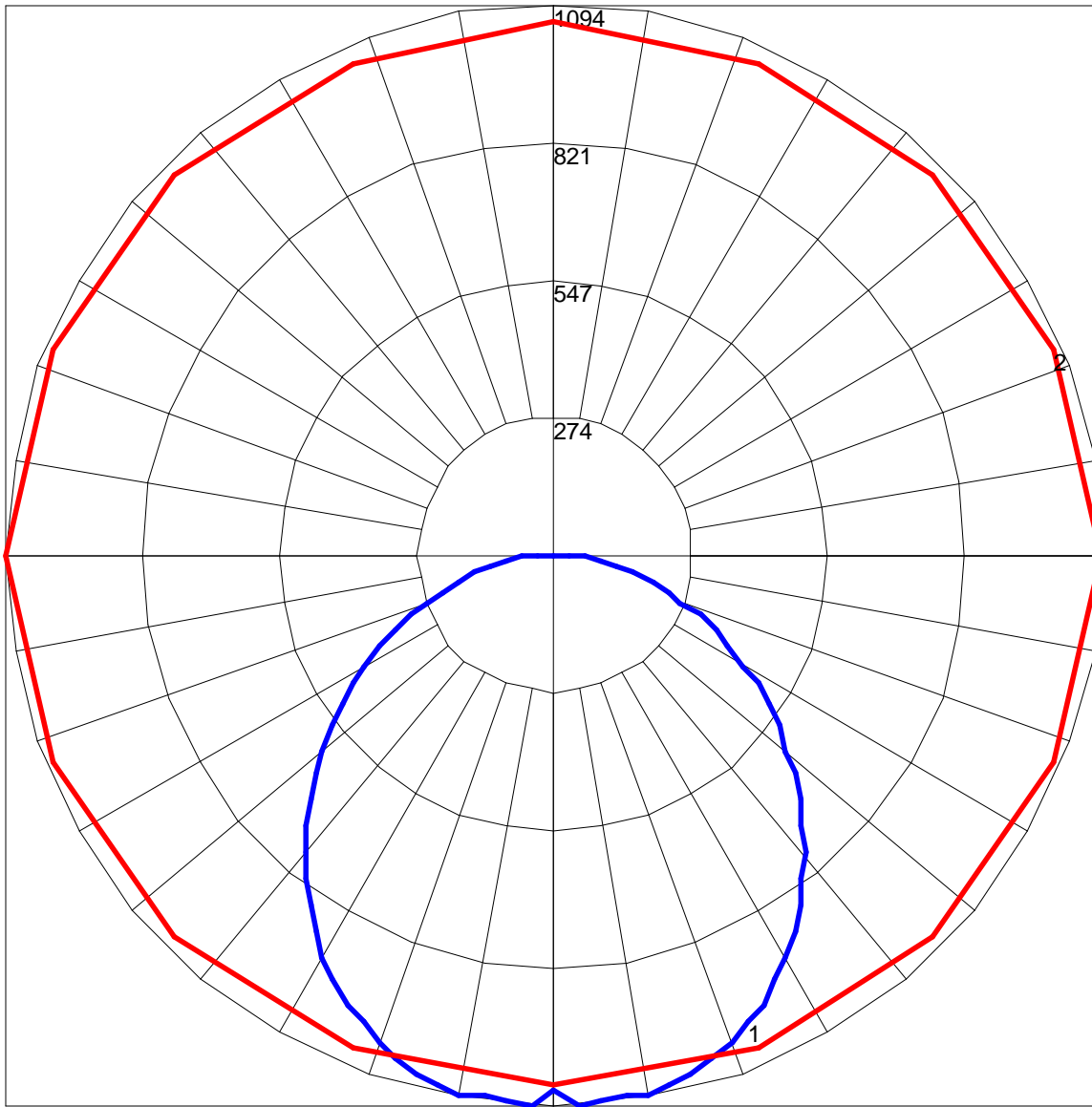
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1094.049 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.)