



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-20L-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-20L-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	1946
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	16.3
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	1511	1690	1837
55	1401	1681	1907
65	1301	1712	1963
75	1192	1703	1653
85	1101	1547	1725

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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	614.272	614.272	614.272	614.272	614.272
2.5	629.701	620.058	615.236	609.450	606.557
5.0	627.772	619.093	615.236	609.450	604.629
7.5	624.879	617.165	613.308	608.486	605.593
10.0	624.879	615.236	612.343	608.486	604.629
12.5	618.129	609.450	608.486	605.593	602.700
15.0	611.379	603.664	604.629	604.629	600.771
17.5	603.664	596.914	597.878	599.807	597.878
20.0	591.128	586.307	589.200	593.057	592.092
22.5	578.592	575.699	580.521	587.271	586.307
25.0	566.056	563.163	571.842	579.556	579.556
27.5	548.698	548.698	560.270	570.877	572.806
30.0	530.376	534.233	547.734	561.234	564.127
32.5	510.125	514.947	533.269	549.662	552.555
35.0	490.839	497.589	518.804	539.055	542.912
37.5	467.695	476.374	501.446	524.590	529.412
40.0	446.480	456.123	485.053	510.125	515.911
42.5	420.444	432.015	464.802	491.803	499.518
45.0	397.300	408.872	444.552	475.410	483.124
47.5	372.228	387.657	425.265	459.016	467.695
50.0	347.155	363.549	403.086	438.766	446.480
52.5	323.047	340.405	382.835	417.551	428.158
55.0	298.939	316.297	358.727	396.336	406.943
57.5	274.831	294.118	338.476	375.120	385.728
60.0	251.688	270.974	314.368	351.012	362.584
62.5	226.615	245.902	291.225	326.904	335.583
65.0	204.436	222.758	269.045	302.796	308.582
67.5	179.364	197.686	243.973	270.010	272.903
70.0	156.220	177.435	218.901	236.258	233.365
72.5	135.969	157.184	192.864	201.543	196.721
75.0	114.754	135.969	163.934	162.970	159.113
77.5	94.503	116.683	134.040	130.183	124.397
80.0	73.288	92.575	102.218	98.361	96.432
82.5	53.038	70.395	75.217	74.253	74.253
85.0	35.680	47.252	50.145	53.038	55.931
87.5	18.322	24.108	24.108	26.037	27.001
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	229.34	N.A.	11.80
0-30	492.86	N.A.	25.30
0-40	816.54	N.A.	42.00
0-60	1477.16	N.A.	75.90
0-80	1894.14	N.A.	97.30
0-90	1946.23	N.A.	100.00
10-90	1887.62	N.A.	97.00
20-40	587.20	N.A.	30.20
20-50	928.89	N.A.	47.70
40-70	918.63	N.A.	47.20
60-80	416.98	N.A.	21.40
70-80	158.96	N.A.	8.20
80-90	52.09	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	1946.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.61
10-20	170.73
20-30	263.52
30-40	323.68
40-50	341.69
50-60	318.93
60-70	258.01
70-80	158.96
80-90	52.09
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

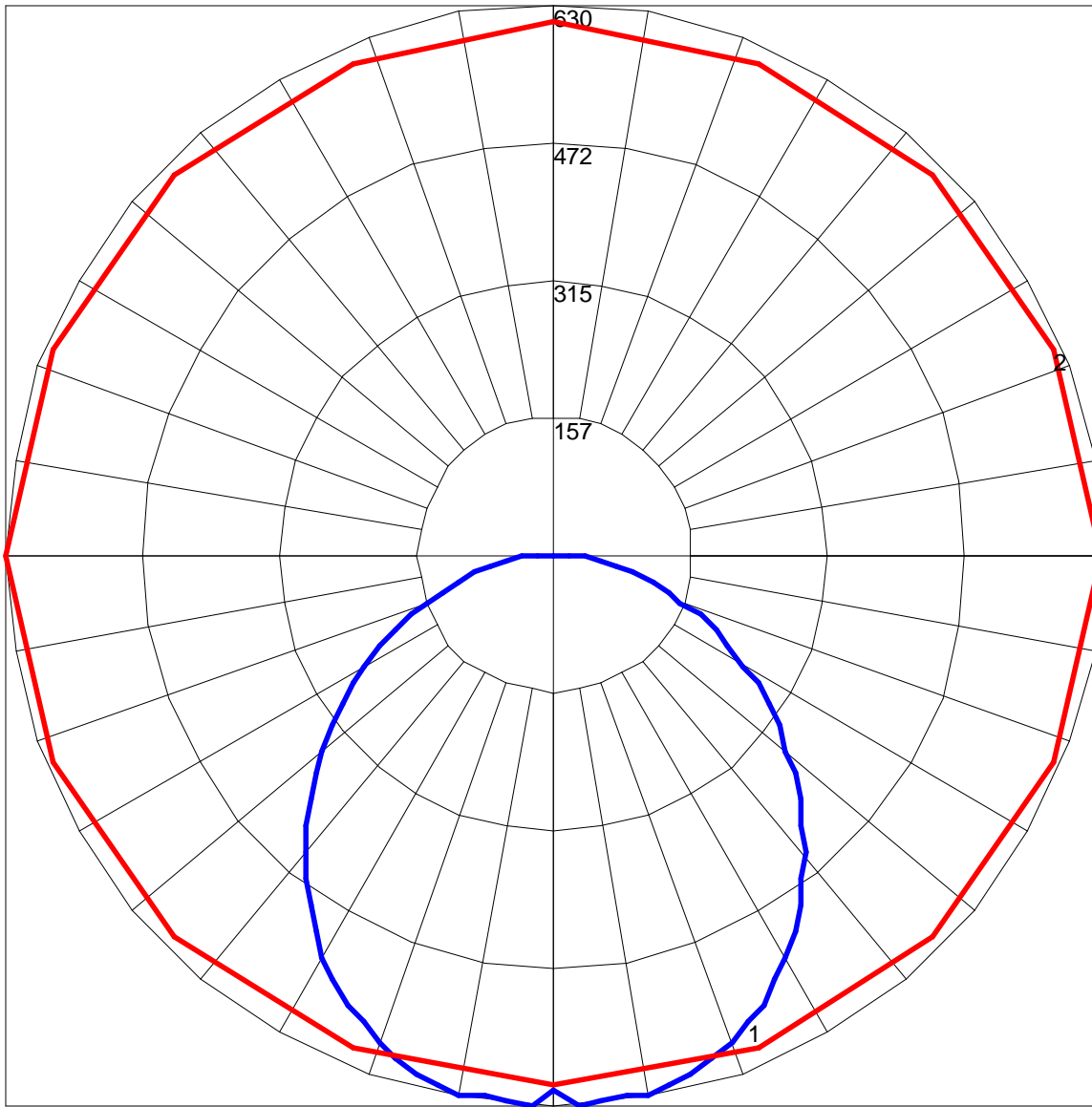
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 629.701 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.)