



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-20L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9054R Report: LSI-PH0416
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]06/23/17
[TEST DATE]06/23/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC14-LED-20L-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	2152
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	17.3
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	1669	1882	2046
55	1556	1880	2123
65	1438	1896	2163
75	1319	1870	1693
85	1203	1573	1697

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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	679	679	679	679	679
2.5	695	685	679	674	669
5.0	695	685	679	674	669
7.5	693	683	678	674	670
10.0	689	680	676	672	668
12.5	683	674	672	671	667
15.0	675	668	667	667	664
17.5	666	659	661	664	660
20.0	654	648	653	658	655
22.5	641	637	644	651	650
25.0	625	624	633	643	643
27.5	608	608	621	633	635
30.0	588	591	608	623	626
32.5	567	572	593	611	614
35.0	543	551	576	597	601
37.5	520	530	557	583	588
40.0	494	505	537	566	573
42.5	467	480	517	549	555
45.0	439	455	495	530	538
47.5	412	430	472	509	518
50.0	385	404	449	487	496
52.5	358	378	424	464	475
55.0	332	352	401	441	453
57.5	305	326	375	415	427
60.0	279	300	349	391	402
62.5	251	273	324	365	373
65.0	226	247	298	336	340
67.5	199	222	273	302	301
70.0	175	197	245	262	256
72.5	150	173	214	216	208
75.0	127	150	180	173	163
77.5	104	128	144	134	128
80.0	81	104	109	102	99
82.5	60	78	78	76	76
85.0	39	51	51	54	55
87.5	19	25	26	26	24
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	253.52	N.A.	11.80
0-30	545.54	N.A.	25.30
0-40	904.77	N.A.	42.00
0-60	1638.55	N.A.	76.10
0-80	2097.73	N.A.	97.50
0-90	2152.43	N.A.	100.00
10-90	2087.62	N.A.	97.00
20-40	651.25	N.A.	30.30
20-50	1030.87	N.A.	47.90
40-70	1020.61	N.A.	47.40
60-80	459.18	N.A.	21.30
70-80	172.35	N.A.	8.00
80-90	54.69	N.A.	2.50
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	2152.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	64.81
10-20	188.71
20-30	292.02
30-40	359.23
40-50	379.61
50-60	354.17
60-70	286.83
70-80	172.35
80-90	54.69
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

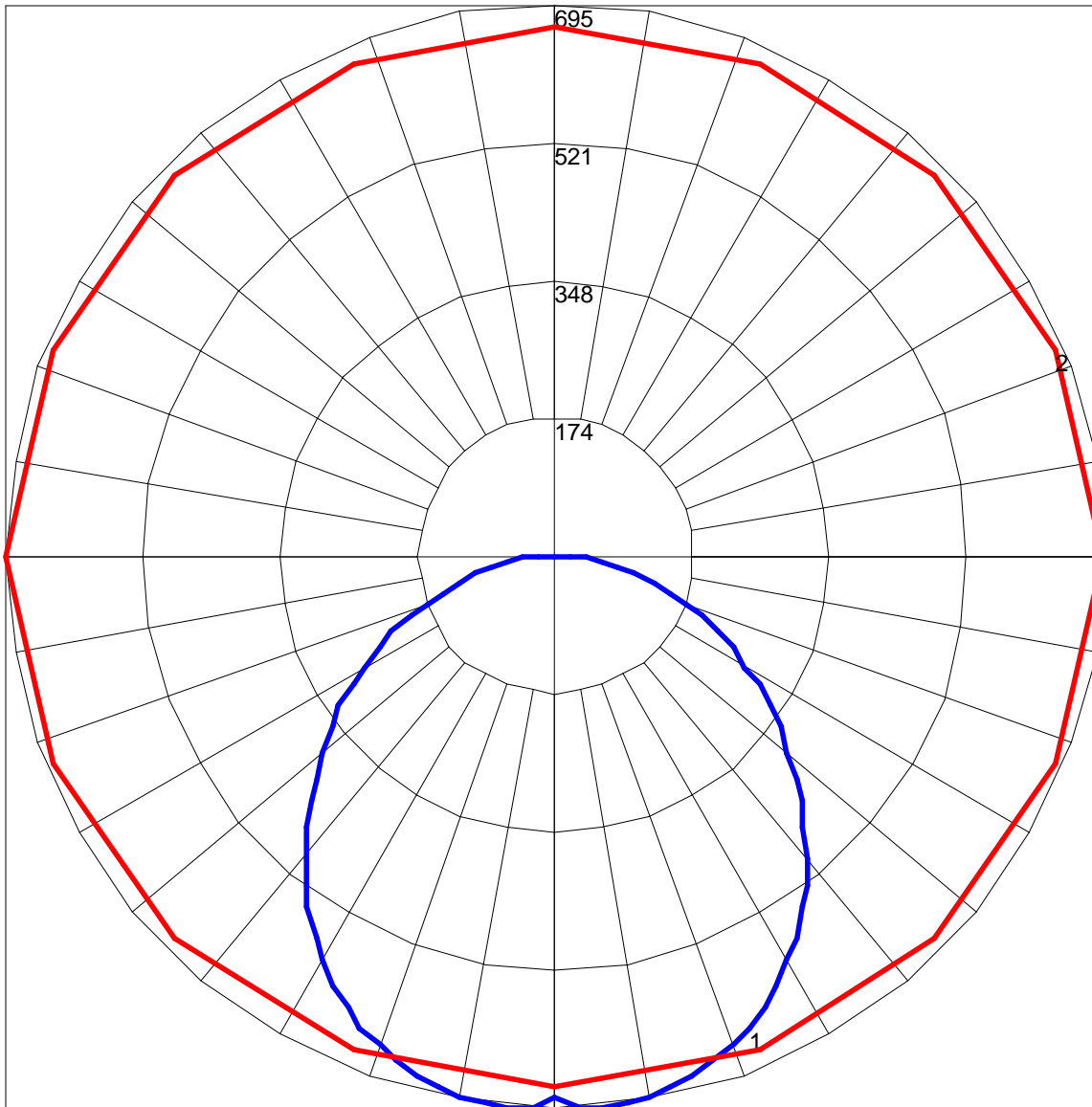
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	94	105	101	97	93	97	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	74	70	68
3	89	78	70	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	58	52	63	56	51	60	55	50	48
5	75	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	51	44	38	49	43	38	36
7	64	50	41	35	62	49	40	34	47	40	34	46	39	34	45	38	34	32
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	32	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 = 695 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.)