



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-55L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8856
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/01/17
[TEST DATE]05/01/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC14-LED-55L-40
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_SEARCH_SOURCE TYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5573
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	43.5
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	4319	4851	5277
55	3989	4828	5479
65	3709	4898	5592
75	3366	4882	4757
85	3146	4473	4843

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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	1755	1755	1755	1755	1755
2.5	1794	1769	1755	1742	1730
5.0	1793	1768	1756	1743	1730
7.5	1788	1764	1753	1742	1729
10.0	1778	1756	1747	1738	1727
12.5	1763	1742	1737	1732	1723
15.0	1743	1724	1724	1723	1717
17.5	1718	1702	1707	1712	1707
20.0	1686	1674	1686	1698	1695
22.5	1651	1644	1662	1681	1680
25.0	1610	1608	1635	1660	1663
27.5	1565	1568	1603	1636	1642
30.0	1514	1523	1567	1607	1616
32.5	1459	1474	1527	1577	1588
35.0	1399	1420	1483	1542	1556
37.5	1337	1363	1437	1504	1518
40.0	1272	1303	1386	1462	1478
42.5	1204	1239	1332	1415	1435
45.0	1136	1174	1276	1366	1388
47.5	1059	1107	1217	1314	1338
50.0	990	1040	1157	1258	1285
52.5	920	972	1094	1201	1229
55.0	851	904	1030	1138	1169
57.5	783	838	967	1074	1104
60.0	715	771	899	1007	1034
62.5	649	705	835	938	962
65.0	583	637	770	864	879
67.5	517	571	702	779	782
70.0	450	508	630	683	675
72.5	384	445	554	580	564
75.0	324	387	470	470	458
77.5	265	330	384	369	353
80.0	208	270	296	284	276
82.5	153	205	215	212	214
85.0	102	137	145	153	157
87.5	51	71	79	81	82
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	654.82	N.A.	11.80
0-30	1408.45	N.A.	25.30
0-40	2334.73	N.A.	41.90
0-60	4226.6	N.A.	75.80
0-80	5421.42	N.A.	97.30
0-90	5572.69	N.A.	100.00
10-90	5405.25	N.A.	97.00
20-40	1679.91	N.A.	30.10
20-50	2659.01	N.A.	47.70
40-70	2631.67	N.A.	47.20
60-80	1194.81	N.A.	21.40
70-80	455.01	N.A.	8.20
80-90	151.28	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	5572.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	167.44
10-20	487.38
20-30	753.63
30-40	926.28
40-50	979.10
50-60	912.76
60-70	739.80
70-80	455.01
80-90	151.28
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

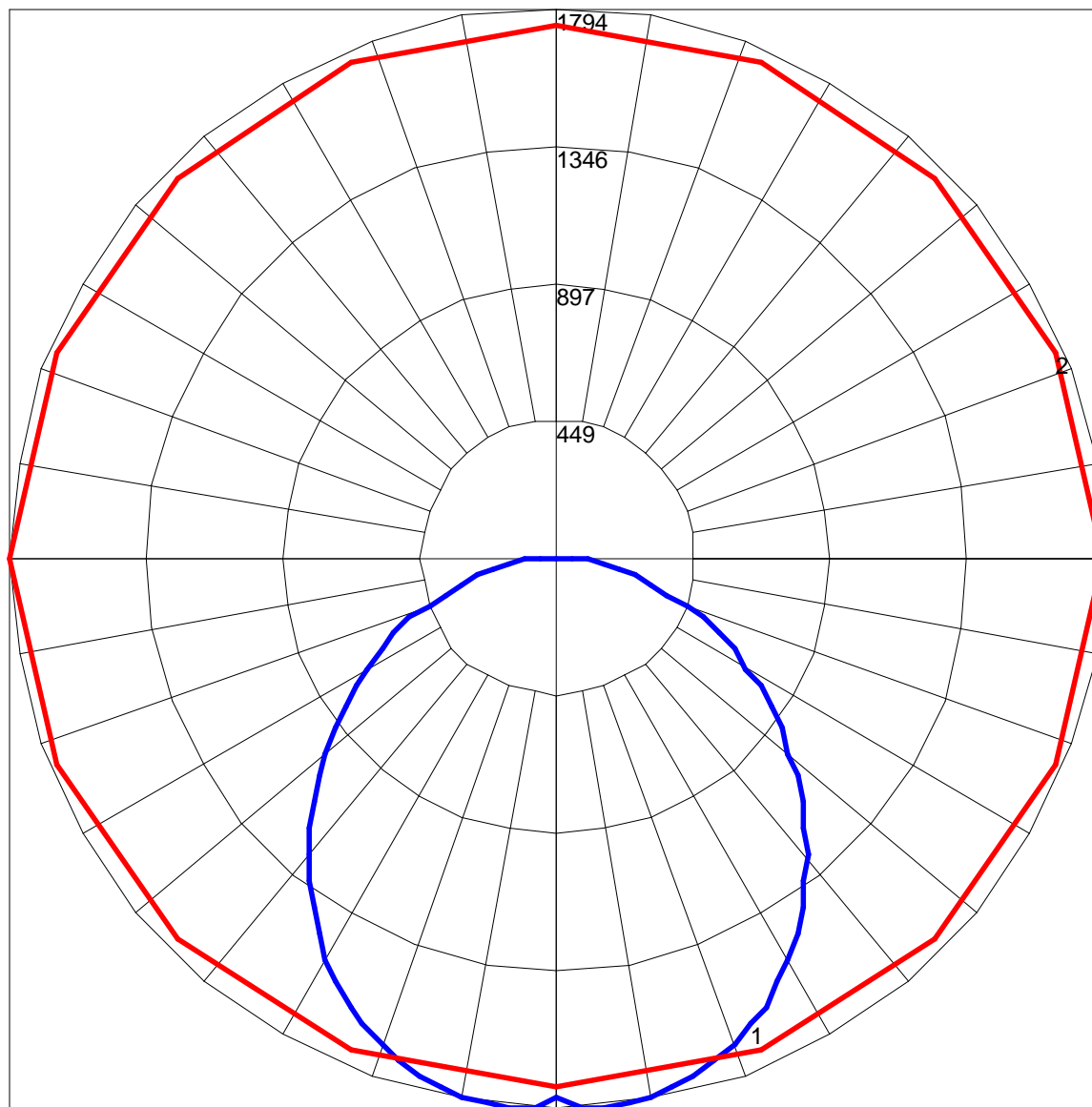
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	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	51	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	43	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	30	28
9	55	41	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 = 1794 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.)