



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-55L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8781_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/13/17
[TEST DATE]04/18/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC24-LED-55L-50
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5905
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	44.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2195	2504	2758
55	2017	2513	2908
65	1871	2594	3161
75	1690	2973	3889
85	1542	3779	3628

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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	1775.009	1775.009	1775.009	1775.009	1775.009
2.5	1817.686	1790.528	1776.948	1759.489	1745.910
5.0	1817.686	1790.528	1776.948	1761.429	1747.850
7.5	1809.927	1784.708	1773.069	1761.429	1747.850
10.0	1800.227	1776.948	1767.249	1759.489	1747.850
12.5	1784.708	1763.369	1759.489	1753.670	1743.970
15.0	1765.309	1743.970	1743.970	1745.910	1738.150
17.5	1738.150	1720.691	1728.451	1736.211	1730.391
20.0	1705.172	1693.533	1709.052	1722.631	1720.691
22.5	1668.314	1662.494	1685.773	1707.112	1709.052
25.0	1627.576	1627.576	1658.615	1689.653	1691.593
27.5	1579.079	1584.898	1625.636	1664.434	1674.134
30.0	1528.641	1540.281	1590.718	1641.155	1650.855
32.5	1470.444	1487.903	1551.920	1610.117	1623.696
35.0	1408.367	1433.586	1509.242	1577.139	1592.658
37.5	1346.291	1375.389	1458.805	1540.281	1559.680
40.0	1280.334	1315.252	1412.247	1499.543	1522.822
42.5	1212.438	1251.236	1357.930	1456.865	1480.144
45.0	1142.601	1183.339	1303.613	1408.367	1435.526
47.5	1066.945	1117.382	1245.416	1359.870	1388.968
50.0	993.229	1049.486	1183.339	1307.493	1340.471
52.5	921.453	979.650	1123.202	1249.296	1284.214
55.0	851.616	911.753	1061.125	1191.099	1227.957
57.5	781.780	845.796	999.049	1132.902	1167.820
60.0	715.823	777.900	935.032	1072.765	1107.683
62.5	647.927	711.943	871.015	1008.748	1045.606
65.0	581.970	645.987	806.998	946.671	983.529
67.5	510.194	576.150	746.862	886.534	921.453
70.0	446.177	516.013	682.845	824.458	859.376
72.5	384.100	455.877	622.708	762.381	799.239
75.0	322.023	397.680	566.451	704.184	741.042
77.5	263.826	343.362	508.254	647.927	677.025
80.0	207.569	290.985	453.937	547.052	550.932
82.5	153.252	236.668	370.521	401.559	384.100
85.0	98.935	180.411	242.488	238.608	232.788
87.5	48.498	98.935	108.634	116.394	116.394
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	662.89	N.A.	11.20
0-30	1427.34	N.A.	24.20
0-40	2368.97	N.A.	40.10
0-60	4309.83	N.A.	73.00
0-80	5677.49	N.A.	96.10
0-90	5905.16	N.A.	100.00
10-90	5735.76	N.A.	97.10
20-40	1706.08	N.A.	28.90
20-50	2706.32	N.A.	45.80
40-70	2729.19	N.A.	46.20
60-80	1367.66	N.A.	23.20
70-80	579.33	N.A.	9.80
80-90	227.67	N.A.	3.90
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	5905.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	169.40
10-20	493.50
20-30	764.45
30-40	941.63
40-50	1000.24
50-60	940.62
60-70	788.32
70-80	579.33
80-90	227.67
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

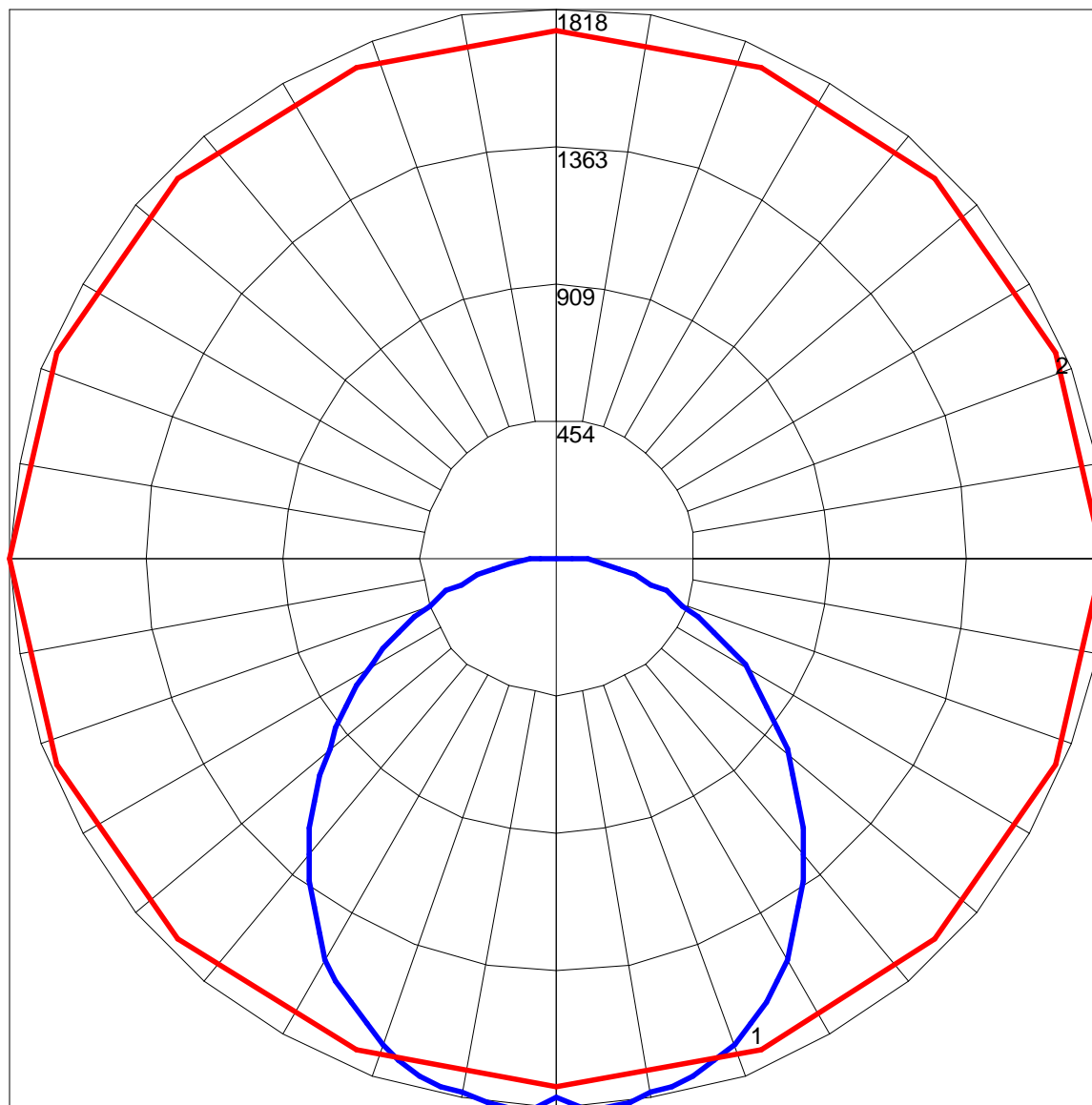
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	102	97	93	104	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	36	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 1817.686 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.)