



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-55L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8781_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]08/18/17
[TEST]DATE]04/18/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC24-LED-55L-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_SOURCE]TYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5370
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
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	1996	2277	2508
55	1834	2285	2645
65	1701	2359	2875
75	1537	2704	3537
85	1402	3437	3299

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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	1614.161	1614.161	1614.161	1614.161	1614.161
2.5	1652.971	1628.274	1615.925	1600.048	1587.699
5.0	1652.971	1628.274	1615.925	1601.812	1589.463
7.5	1645.915	1622.981	1612.397	1601.812	1589.463
10.0	1637.094	1615.925	1607.104	1600.048	1589.463
12.5	1622.981	1603.576	1600.048	1594.755	1585.935
15.0	1605.340	1585.935	1585.935	1587.699	1580.643
17.5	1580.643	1564.766	1571.822	1578.878	1573.586
20.0	1550.653	1540.068	1554.181	1566.530	1564.766
22.5	1517.135	1511.842	1533.012	1552.417	1554.181
25.0	1480.088	1480.088	1508.314	1536.540	1538.304
27.5	1435.986	1441.278	1478.324	1513.606	1522.427
30.0	1390.119	1400.703	1446.570	1492.437	1501.258
32.5	1337.195	1353.072	1411.288	1464.211	1476.560
35.0	1280.744	1303.677	1372.478	1434.221	1448.334
37.5	1224.292	1250.754	1326.611	1400.703	1418.344
40.0	1164.313	1196.067	1284.272	1363.657	1384.826
42.5	1102.569	1137.851	1234.877	1324.847	1346.016
45.0	1039.061	1076.107	1185.482	1280.744	1305.441
47.5	970.260	1016.127	1132.559	1236.641	1263.103
50.0	903.224	954.383	1076.107	1189.010	1219.000
52.5	837.952	890.876	1021.420	1136.087	1167.841
55.0	774.444	829.132	964.968	1083.164	1116.682
57.5	710.936	769.152	908.517	1030.240	1061.994
60.0	650.957	707.408	850.301	975.553	1007.307
62.5	589.213	647.428	792.085	917.337	950.855
65.0	529.233	587.449	733.870	860.886	894.404
67.5	463.961	523.941	679.182	806.198	837.952
70.0	405.745	469.253	620.967	749.747	781.501
72.5	349.294	414.566	566.279	693.295	726.813
75.0	292.842	361.643	515.120	640.372	673.890
77.5	239.919	312.247	462.197	589.213	615.674
80.0	188.760	264.616	412.802	497.479	501.007
82.5	139.365	215.221	336.945	365.171	349.294
85.0	89.970	164.062	220.514	216.986	211.693
87.5	44.103	89.970	98.790	105.847	105.847
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	602.82	N.A.	11.20
0-30	1298.00	N.A.	24.20
0-40	2154.3	N.A.	40.10
0-60	3919.29	N.A.	73.00
0-80	5163.01	N.A.	96.10
0-90	5370.05	N.A.	100.00
10-90	5216.00	N.A.	97.10
20-40	1551.48	N.A.	28.90
20-50	2461.08	N.A.	45.80
40-70	2481.87	N.A.	46.20
60-80	1243.72	N.A.	23.20
70-80	526.83	N.A.	9.80
80-90	207.04	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	5370.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	154.05
10-20	448.78
20-30	695.18
30-40	856.30
40-50	909.60
50-60	855.39
60-70	716.89
70-80	526.83
80-90	207.04
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

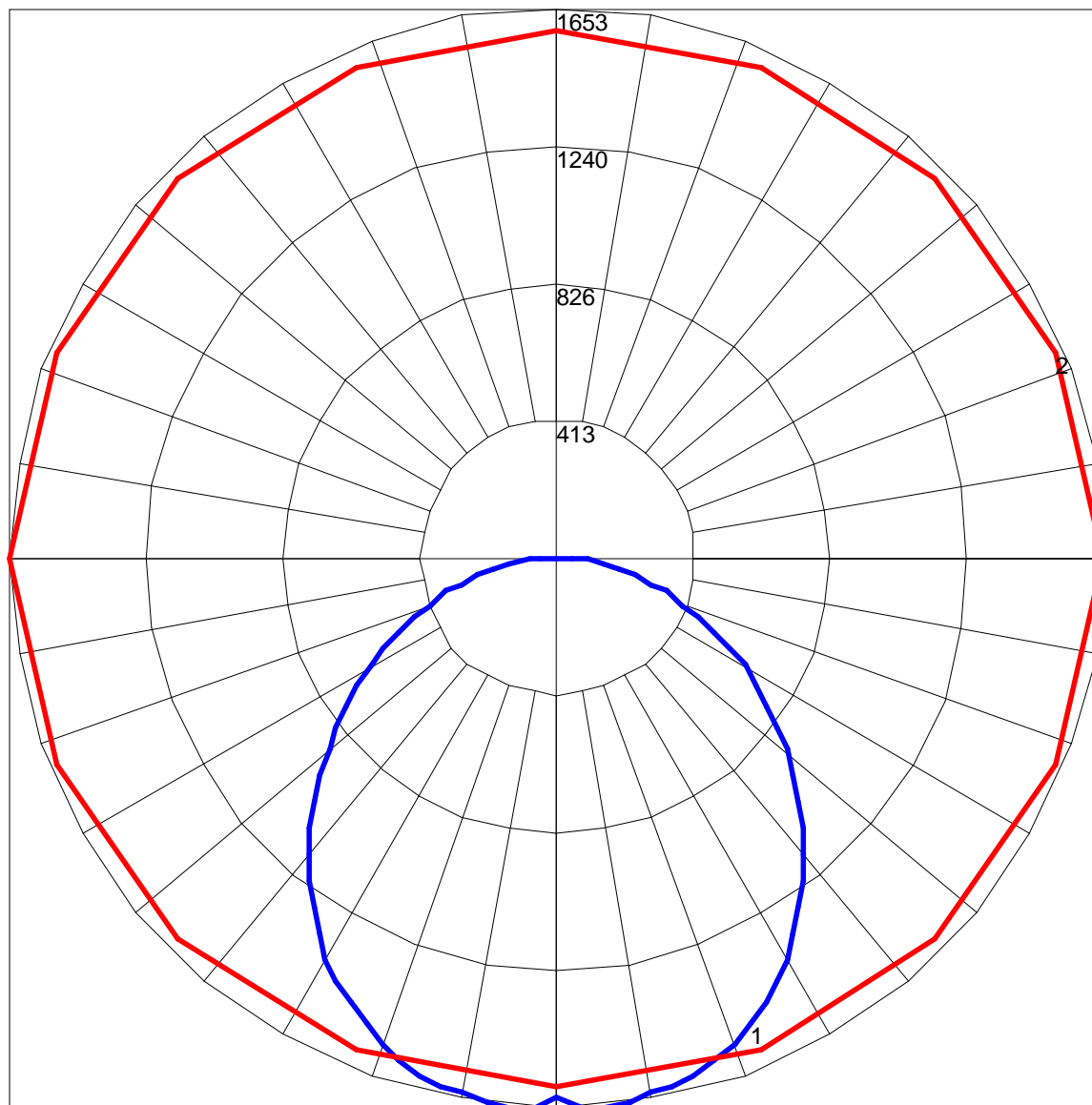
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1652.971 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.)