



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-60L-35.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-60L-35
[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	6050
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	48.4
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	2249	2566	2825
55	2066	2575	2980
65	1916	2658	3239
75	1732	3046	3985
85	1580	3872	3717

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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	1818.590	1818.590	1818.590	1818.590	1818.590
2.5	1862.316	1834.490	1820.577	1802.690	1788.777
5.0	1862.316	1834.490	1820.577	1804.677	1790.765
7.5	1854.365	1828.528	1816.602	1804.677	1790.765
10.0	1844.428	1820.577	1810.640	1802.690	1790.765
12.5	1828.528	1806.665	1802.690	1796.727	1786.789
15.0	1808.652	1786.789	1786.789	1788.777	1780.827
17.5	1780.827	1762.939	1770.889	1778.839	1772.877
20.0	1747.039	1735.114	1751.014	1764.927	1762.939
22.5	1709.276	1703.313	1727.164	1749.026	1751.014
25.0	1667.538	1667.538	1699.338	1731.139	1733.126
27.5	1617.849	1623.812	1665.550	1705.301	1715.238
30.0	1566.174	1578.099	1629.775	1681.450	1691.388
32.5	1506.548	1524.436	1590.024	1649.650	1663.563
35.0	1442.947	1468.785	1546.298	1615.862	1631.762
37.5	1379.346	1409.159	1494.623	1578.099	1597.974
40.0	1311.770	1347.545	1446.922	1536.361	1560.211
42.5	1242.206	1281.957	1391.271	1492.635	1516.485
45.0	1170.655	1212.393	1335.620	1442.947	1470.772
47.5	1093.141	1144.817	1275.994	1393.259	1423.071
50.0	1017.615	1075.254	1212.393	1339.595	1373.383
52.5	944.077	1003.703	1150.780	1279.969	1315.745
55.0	872.526	934.139	1087.179	1220.343	1258.106
57.5	800.975	866.563	1023.578	1160.718	1196.493
60.0	733.399	797.000	957.989	1099.104	1134.880
62.5	663.835	729.424	892.401	1033.516	1071.279
65.0	596.259	661.847	826.812	969.915	1007.678
67.5	522.720	590.296	765.199	908.301	944.077
70.0	457.132	528.683	699.611	844.700	880.476
72.5	393.531	467.070	637.997	781.099	818.862
75.0	329.930	407.444	580.359	721.473	759.236
77.5	270.304	351.793	520.733	663.835	693.648
80.0	212.666	298.129	465.082	560.483	564.459
82.5	157.015	242.479	379.618	411.419	393.531
85.0	101.364	184.840	248.441	244.466	238.504
87.5	49.688	101.364	111.302	119.252	119.252
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	679.17	N.A.	11.20
0-30	1462.39	N.A.	24.20
0-40	2427.14	N.A.	40.10
0-60	4415.65	N.A.	73.00
0-80	5816.89	N.A.	96.10
0-90	6050.15	N.A.	100.00
10-90	5876.59	N.A.	97.10
20-40	1747.97	N.A.	28.90
20-50	2772.76	N.A.	45.80
40-70	2796.19	N.A.	46.20
60-80	1401.23	N.A.	23.20
70-80	593.56	N.A.	9.80
80-90	233.26	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	6050.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	173.56
10-20	505.61
20-30	783.22
30-40	964.75
40-50	1024.8
50-60	963.72
60-70	807.68
70-80	593.56
80-90	233.26
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

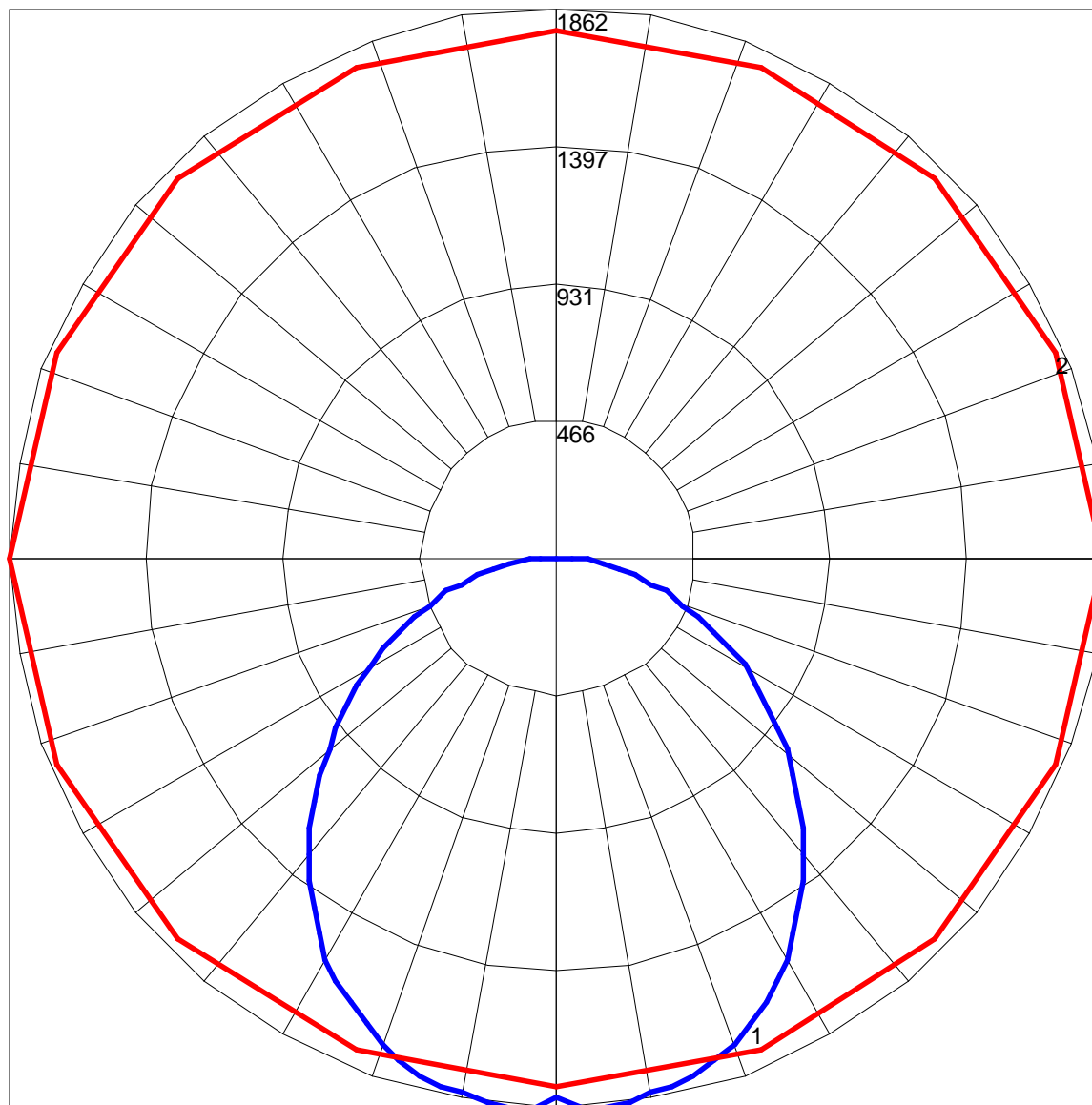
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1862.316 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.)