



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-65L-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
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC24-LED-65L-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	6307
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	52.6
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	2344	2675	2945
55	2154	2684	3106
65	1998	2770	3376
75	1805	3175	4154
85	1647	4037	3875

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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	1895.816	1895.816	1895.816	1895.816	1895.816
2.5	1941.398	1912.391	1897.888	1879.240	1864.737
5.0	1941.398	1912.391	1897.888	1881.312	1866.809
7.5	1933.111	1906.176	1893.744	1881.312	1866.809
10.0	1922.751	1897.888	1887.528	1879.240	1866.809
12.5	1906.176	1883.384	1879.240	1873.025	1862.665
15.0	1885.456	1862.665	1862.665	1864.737	1856.449
17.5	1856.449	1837.802	1846.090	1854.377	1848.161
20.0	1821.226	1808.795	1825.370	1839.874	1837.802
22.5	1781.860	1775.644	1800.507	1823.298	1825.370
25.0	1738.349	1738.349	1771.500	1804.651	1806.723
27.5	1686.551	1692.767	1736.277	1777.716	1788.076
30.0	1632.681	1645.112	1698.983	1752.853	1763.212
32.5	1570.523	1589.170	1657.544	1719.702	1734.205
35.0	1504.221	1531.156	1611.961	1684.479	1701.054
37.5	1437.919	1468.998	1558.091	1645.112	1665.832
40.0	1367.474	1404.768	1508.365	1601.602	1626.465
42.5	1294.956	1336.395	1450.351	1556.019	1580.883
45.0	1220.367	1263.877	1392.337	1504.221	1533.228
47.5	1139.561	1193.432	1330.179	1452.423	1483.502
50.0	1060.828	1120.914	1263.877	1396.481	1431.704
52.5	984.167	1046.325	1199.647	1334.323	1371.618
55.0	909.577	973.807	1133.346	1272.165	1311.532
57.5	834.988	903.361	1067.044	1210.007	1247.302
60.0	764.542	830.844	998.670	1145.777	1183.072
62.5	692.025	760.398	930.297	1077.404	1116.770
65.0	621.579	689.953	861.923	1011.102	1050.468
67.5	544.918	615.363	797.693	946.872	984.167
70.0	476.544	551.133	729.319	880.570	917.865
72.5	410.242	486.904	665.090	814.268	853.635
75.0	343.940	424.746	605.004	752.111	791.477
77.5	281.782	366.732	542.846	692.025	723.104
80.0	221.697	310.789	484.832	584.284	588.428
82.5	163.682	252.775	395.739	428.889	410.242
85.0	105.668	192.689	258.991	254.847	248.632
87.5	51.798	105.668	116.028	124.316	124.316
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	708.01	N.A.	11.20
0-30	1524.49	N.A.	24.20
0-40	2530.2	N.A.	40.10
0-60	4603.16	N.A.	73.00
0-80	6063.9	N.A.	96.10
0-90	6307.07	N.A.	100.00
10-90	6126.14	N.A.	97.10
20-40	1822.19	N.A.	28.90
20-50	2890.51	N.A.	45.80
40-70	2914.93	N.A.	46.20
60-80	1460.74	N.A.	23.20
70-80	618.76	N.A.	9.80
80-90	243.17	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	6307.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	180.93
10-20	527.09
20-30	816.48
30-40	1005.71
40-50	1068.32
50-60	1004.64
60-70	841.98
70-80	618.76
80-90	243.17
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

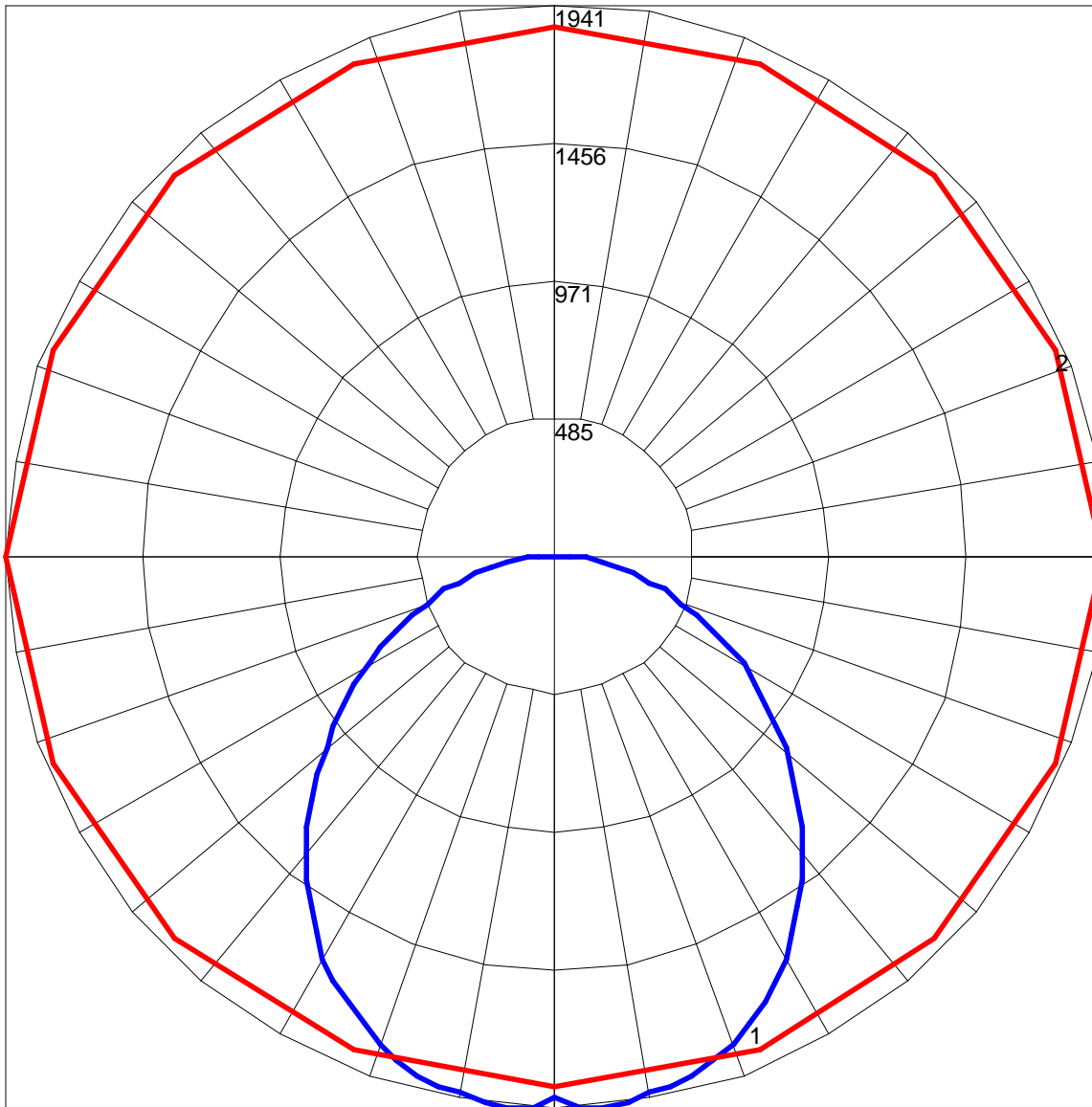
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1941.398 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.)