



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-80L-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-80L-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	8023
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	66.5
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	2982	3403	3747
55	2740	3414	3951
65	2541	3524	4295
75	2296	4039	5284
85	2095	5135	4929

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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	2411.656	2411.656	2411.656	2411.656	2411.656
2.5	2469.642	2432.742	2414.292	2390.571	2372.121
5.0	2469.642	2432.742	2414.292	2393.206	2374.757
7.5	2459.099	2424.835	2409.021	2393.206	2374.757
10.0	2445.920	2414.292	2401.114	2390.571	2374.757
12.5	2424.835	2395.842	2390.571	2382.664	2369.485
15.0	2398.478	2369.485	2369.485	2372.121	2361.578
17.5	2361.578	2337.857	2348.400	2358.943	2351.035
20.0	2316.771	2300.957	2322.043	2340.493	2337.857
22.5	2266.693	2258.786	2290.415	2319.407	2322.043
25.0	2211.344	2211.344	2253.515	2295.686	2298.322
27.5	2145.452	2153.359	2208.708	2261.422	2274.600
30.0	2076.924	2092.738	2161.266	2229.794	2242.972
32.5	1997.853	2021.574	2108.552	2187.623	2206.073
35.0	1913.511	1947.775	2050.567	2142.816	2163.901
37.5	1829.169	1868.704	1982.039	2092.738	2119.095
40.0	1739.555	1786.998	1918.782	2037.388	2069.017
42.5	1647.306	1700.020	1844.983	1979.403	2011.031
45.0	1552.421	1607.771	1771.184	1913.511	1950.411
47.5	1449.629	1518.157	1692.113	1847.619	1887.154
50.0	1349.473	1425.908	1607.771	1776.455	1821.262
52.5	1251.953	1331.023	1526.064	1697.384	1744.827
55.0	1157.068	1238.774	1441.722	1618.314	1668.392
57.5	1062.183	1149.161	1357.380	1539.243	1586.685
60.0	972.570	1056.912	1270.403	1457.537	1504.979
62.5	880.320	967.298	1183.425	1370.559	1420.637
65.0	790.707	877.685	1096.447	1286.217	1336.295
67.5	693.186	782.800	1014.741	1204.510	1251.953
70.0	606.209	701.094	927.763	1120.168	1167.611
72.5	521.867	619.387	846.056	1035.826	1085.904
75.0	437.525	540.316	769.621	956.755	1006.834
77.5	358.454	466.517	690.551	880.320	919.856
80.0	282.019	395.353	616.751	743.265	748.536
82.5	208.220	321.554	503.417	545.588	521.867
85.0	134.420	245.119	329.461	324.190	316.283
87.5	65.892	134.420	147.599	158.141	158.141
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	900.66	N.A.	11.20
0-30	1939.29	N.A.	24.20
0-40	3218.66	N.A.	40.10
0-60	5855.66	N.A.	73.00
0-80	7713.85	N.A.	96.10
0-90	8023.18	N.A.	100.00
10-90	7793.03	N.A.	97.10
20-40	2318.00	N.A.	28.90
20-50	3677.00	N.A.	45.80
40-70	3708.07	N.A.	46.20
60-80	1858.2	N.A.	23.20
70-80	787.12	N.A.	9.80
80-90	309.33	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	8023.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	230.15
10-20	670.50
20-30	1038.64
30-40	1279.36
40-50	1359.00
50-60	1278.00
60-70	1071.07
70-80	787.12
80-90	309.33
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

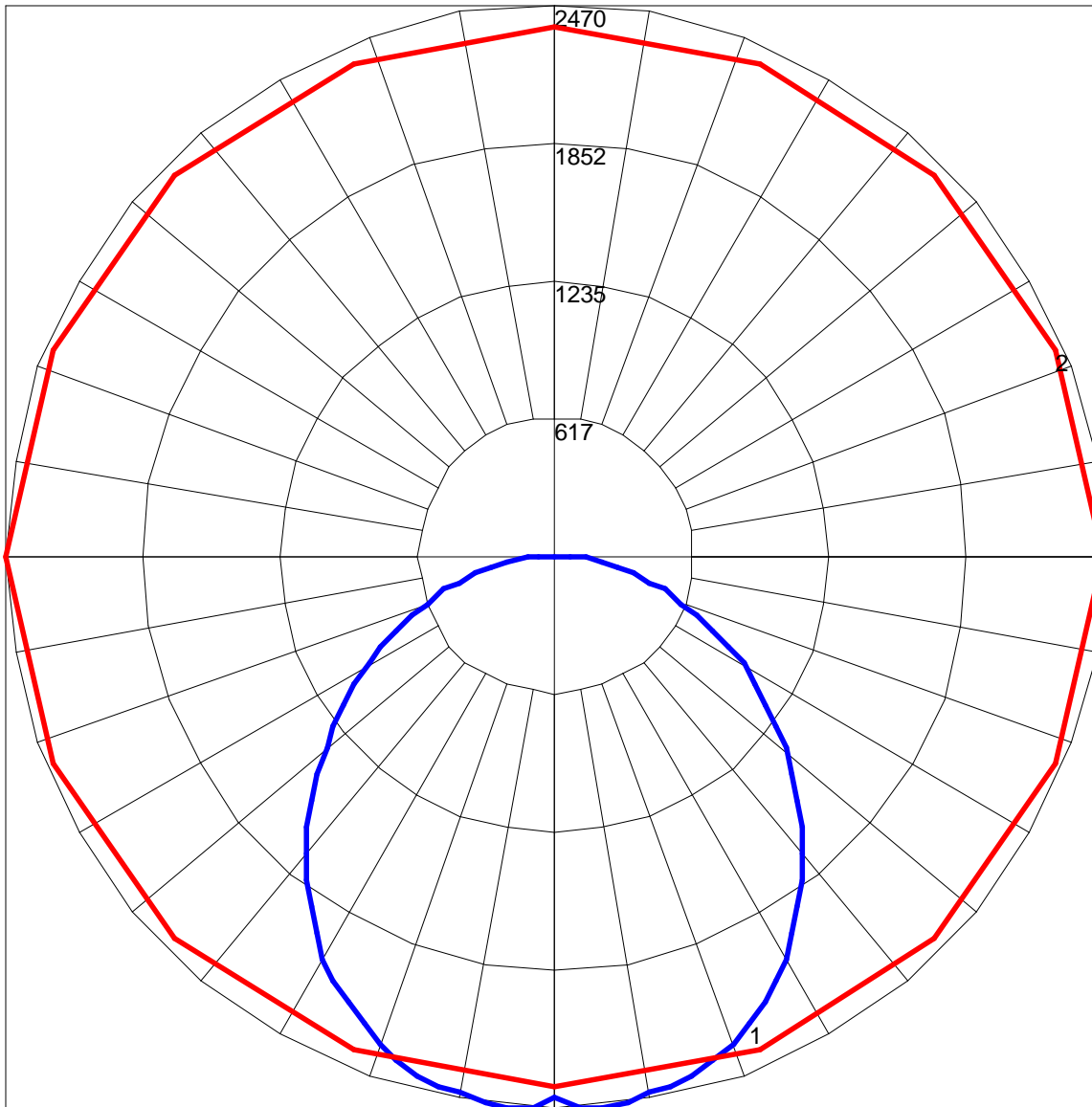
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2469.642 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.)