



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-90L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8787_scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 05/07/19
[TEST DATE] 04/18/17
[MANUFACTURER] LSI INDUSTRIES, INC
[LUMCAT] LPASC24-LED-90L-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8815
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	75
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.44
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	3258	3736	4123
55	3008	3744	4329
65	2780	3867	4693
75	2530	4419	5757
85	2260	5798	5798

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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	2652	2652	2652	2652	2652
2.5	2722	2680	2657	2635	2613
5.0	2715	2676	2655	2635	2616
7.5	2706	2672	2652	2635	2618
10.0	2691	2657	2644	2631	2618
12.5	2668	2637	2631	2626	2613
15.0	2633	2607	2611	2616	2607
17.5	2594	2572	2587	2600	2594
20.0	2546	2533	2557	2581	2579
22.5	2492	2486	2523	2557	2562
25.0	2430	2434	2479	2529	2538
27.5	2360	2373	2436	2494	2507
30.0	2278	2302	2380	2453	2473
32.5	2198	2228	2321	2410	2430
35.0	2105	2146	2256	2358	2384
37.5	2010	2057	2185	2300	2334
40.0	1912	1967	2109	2241	2276
42.5	1802	1869	2029	2174	2215
45.0	1696	1768	1945	2101	2146
47.5	1586	1668	1858	2027	2073
50.0	1480	1566	1765	1947	1997
52.5	1372	1462	1672	1856	1910
55.0	1270	1363	1581	1770	1828
57.5	1166	1261	1484	1681	1735
60.0	1062	1160	1391	1586	1642
62.5	963	1060	1296	1495	1549
65.0	865	958	1203	1404	1460
67.5	764	861	1108	1311	1363
70.0	662	766	1012	1214	1268
72.5	573	679	926	1129	1179
75.0	482	595	842	1036	1097
77.5	394	513	757	956	1010
80.0	312	435	675	820	829
82.5	229	355	554	625	614
85.0	145	266	372	379	372
87.5	71	145	169	190	203
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	991.80	N.A.	11.30
0-30	2135.75	N.A.	24.20
0-40	3543.94	N.A.	40.20
0-60	6436.33	N.A.	73.00
0-80	8466.63	N.A.	96.00
0-90	8815.09	N.A.	100.00
10-90	8561.7	N.A.	97.10
20-40	2552.14	N.A.	29.00
20-50	4044.67	N.A.	45.90
40-70	4062.57	N.A.	46.10
60-80	2030.29	N.A.	23.00
70-80	860.12	N.A.	9.80
80-90	348.46	N.A.	4.00
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	8815.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	253.39
10-20	738.41
20-30	1143.95
30-40	1408.19
40-50	1492.53
50-60	1399.86
60-70	1170.18
70-80	860.12
80-90	348.46
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

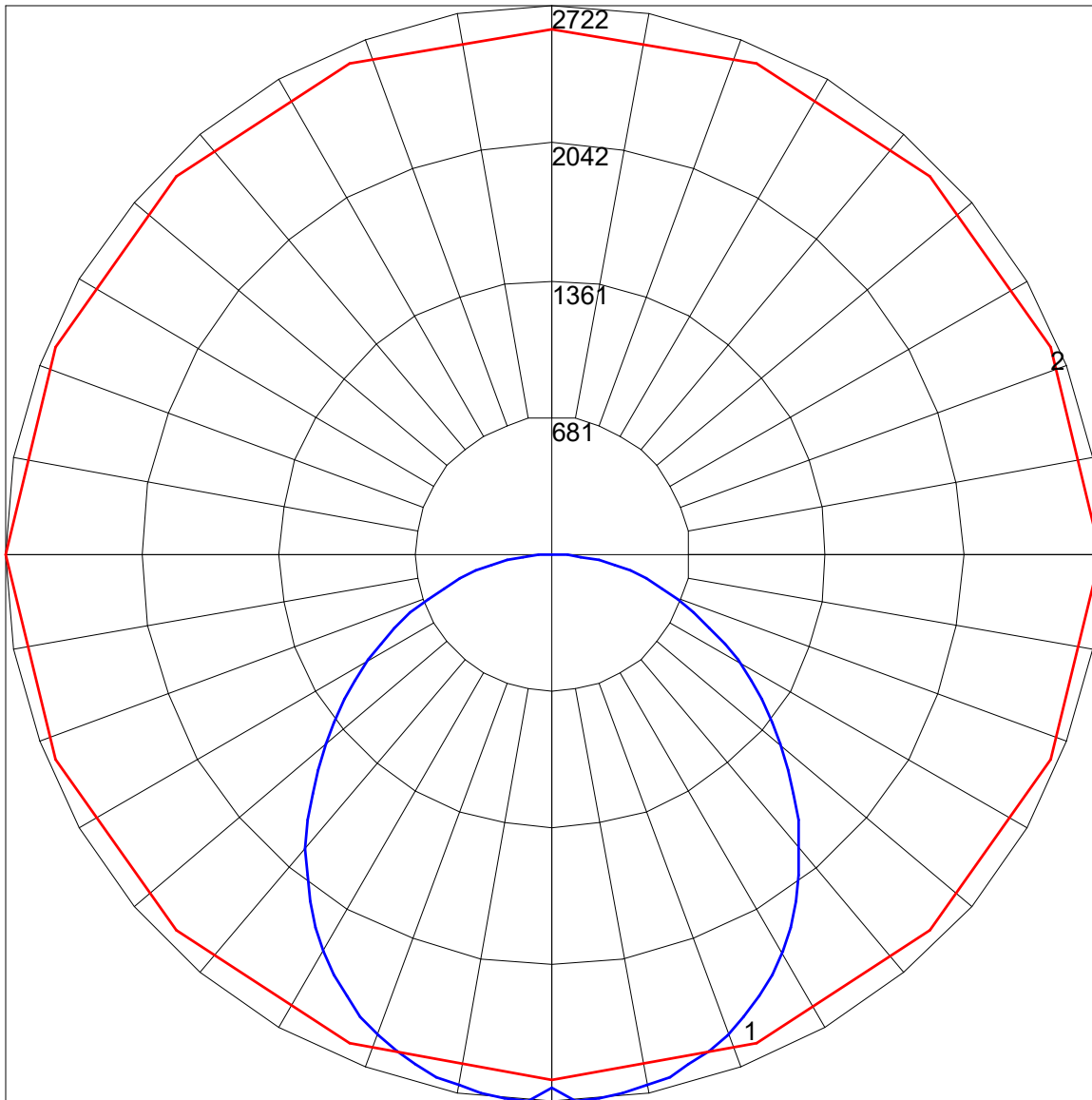
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	85	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	51	63	56	50	61	54	49	59	53	48	46
5	74	60	50	44	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	37	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	33	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	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 = 2722 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.)