



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-35L-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-35L-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	3411
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	28.9
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	1268	1447	1593
55	1165	1452	1680
65	1081	1498	1826
75	976	1717	2247
85	891	2183	2096

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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	1025.312	1025.312	1025.312	1025.312	1025.312
2.5	1049.965	1034.277	1026.433	1016.348	1008.504
5.0	1049.965	1034.277	1026.433	1017.469	1009.625
7.5	1045.483	1030.915	1024.192	1017.469	1009.625
10.0	1039.880	1026.433	1020.830	1016.348	1009.625
12.5	1030.915	1018.589	1016.348	1012.986	1007.383
15.0	1019.710	1007.383	1007.383	1008.504	1004.022
17.5	1004.022	993.937	998.419	1002.901	999.540
20.0	984.972	978.249	987.213	995.057	993.937
22.5	963.682	960.320	973.767	986.093	987.213
25.0	940.150	940.150	958.079	976.008	977.128
27.5	912.136	915.498	939.029	961.441	967.043
30.0	883.001	889.725	918.859	947.994	953.597
32.5	849.385	859.470	896.448	930.065	937.909
35.0	813.527	828.094	871.796	911.015	919.980
37.5	777.669	794.477	842.661	889.725	900.930
40.0	739.570	759.740	815.768	866.193	879.640
42.5	700.350	722.761	784.392	841.541	854.987
45.0	660.010	683.542	753.016	813.527	829.214
47.5	616.308	645.443	719.400	785.513	802.321
50.0	573.727	606.223	683.542	755.257	774.307
52.5	532.266	565.883	648.804	721.641	741.811
55.0	491.926	526.663	612.946	688.024	709.315
57.5	451.586	488.564	577.088	654.407	674.577
60.0	413.487	449.345	540.110	619.670	639.840
62.5	374.267	411.246	503.131	582.691	603.982
65.0	336.168	373.146	466.153	546.833	568.124
67.5	294.707	332.806	431.416	512.096	532.266
70.0	257.729	298.069	394.437	476.238	496.408
72.5	221.871	263.332	359.700	440.380	461.671
75.0	186.013	229.715	327.204	406.763	428.054
77.5	152.396	198.339	293.587	374.267	391.075
80.0	119.900	168.084	262.211	315.998	318.239
82.5	88.524	136.708	214.027	231.956	221.871
85.0	57.149	104.212	140.070	137.829	134.467
87.5	28.014	57.149	62.751	67.234	67.234
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	382.91	N.A.	11.20
0-30	824.49	N.A.	24.20
0-40	1368.41	N.A.	40.10
0-60	2489.52	N.A.	73.00
0-80	3279.53	N.A.	96.10
0-90	3411.05	N.A.	100.00
10-90	3313.2	N.A.	97.10
20-40	985.49	N.A.	28.90
20-50	1563.27	N.A.	45.80
40-70	1576.48	N.A.	46.20
60-80	790.01	N.A.	23.20
70-80	334.64	N.A.	9.80
80-90	131.51	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	3411.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.85
10-20	285.06
20-30	441.58
30-40	543.92
40-50	577.78
50-60	543.34
60-70	455.36
70-80	334.64
80-90	131.51
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

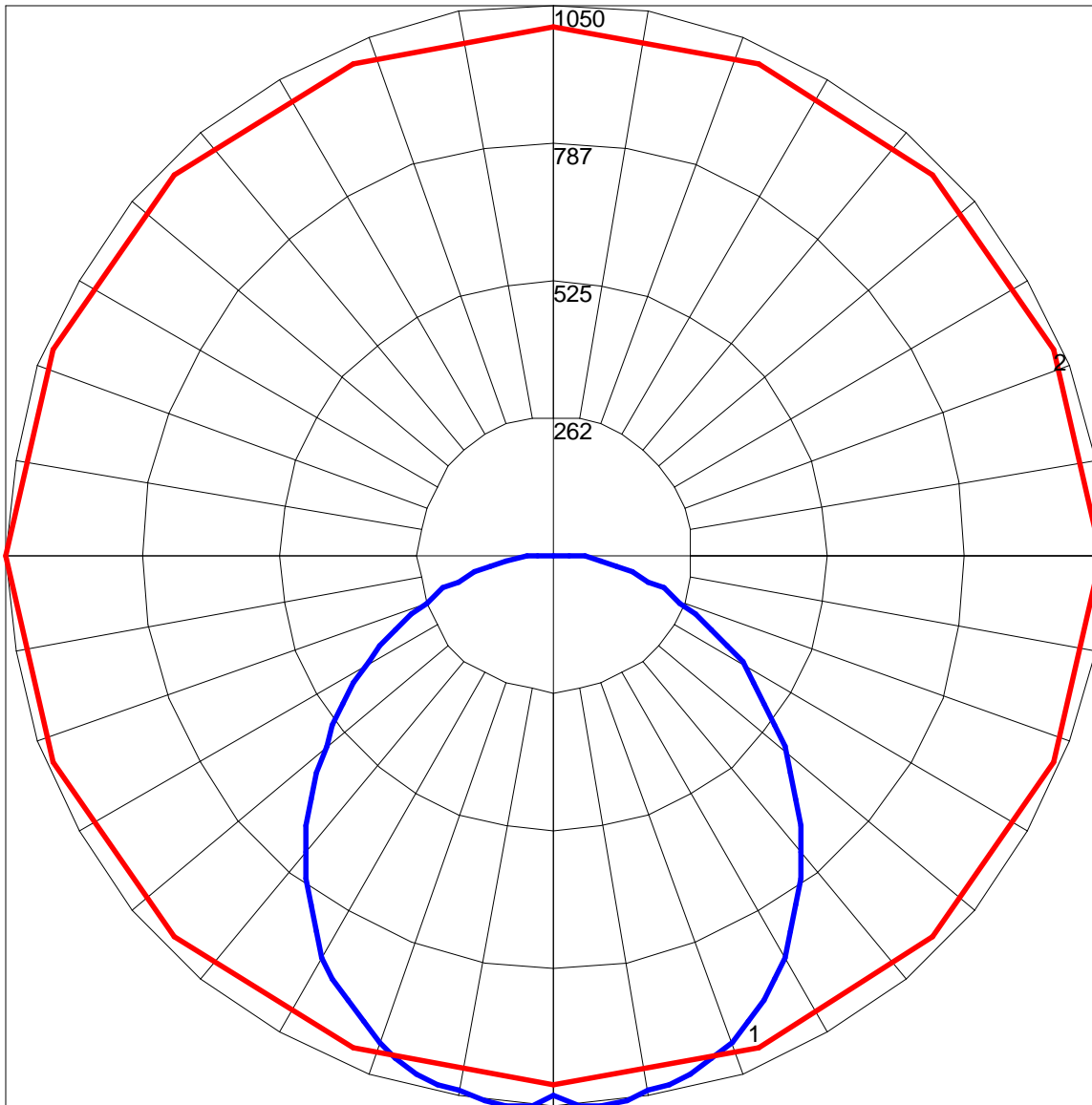
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1049.965 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.)