



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC14-LED-30L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]08/18/17
[TEST DATE]08/18/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC14-LED-30L-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2892
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2245	2512	2730
55	2082	2499	2835
65	1933	2544	2917
75	1771	2531	2456
85	1636	2299	2564

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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	912.885	912.885	912.885	912.885	912.885
2.5	935.814	921.483	914.318	905.719	901.420
5.0	932.948	920.050	914.318	905.719	898.554
7.5	928.649	917.184	911.452	904.286	899.987
10.0	928.649	914.318	910.018	904.286	898.554
12.5	918.617	905.719	904.286	899.987	895.687
15.0	908.585	897.121	898.554	898.554	892.821
17.5	897.121	887.089	888.522	891.388	888.522
20.0	878.490	871.325	875.624	881.356	879.923
22.5	859.860	855.561	862.726	872.758	871.325
25.0	841.230	836.930	849.828	861.293	861.293
27.5	815.434	815.434	832.631	848.395	851.261
30.0	788.205	793.937	814.001	834.064	838.363
32.5	758.110	765.275	792.504	816.867	821.166
35.0	729.448	739.480	771.008	801.103	806.835
37.5	695.053	707.951	745.212	779.606	786.772
40.0	663.525	677.856	720.849	758.110	766.708
42.5	624.832	642.029	690.754	730.881	742.346
45.0	590.437	607.634	660.659	706.518	717.983
47.5	553.177	576.106	631.997	682.156	695.053
50.0	515.916	540.279	599.036	652.060	663.525
52.5	480.088	505.884	568.941	620.532	636.296
55.0	444.261	470.057	533.113	589.004	604.768
57.5	408.433	437.095	503.018	557.476	573.240
60.0	374.039	402.701	467.191	521.648	538.846
62.5	336.778	365.440	432.796	485.821	498.719
65.0	303.817	331.046	399.835	449.993	458.592
67.5	266.557	293.785	362.574	401.268	405.567
70.0	232.162	263.690	325.314	351.109	346.810
72.5	202.067	233.595	286.620	299.518	292.352
75.0	170.539	202.067	243.627	242.194	236.461
77.5	140.444	173.405	199.201	193.468	184.870
80.0	108.916	137.578	151.909	146.176	143.310
82.5	78.820	104.616	111.782	110.349	110.349
85.0	53.025	70.222	74.521	78.820	83.120
87.5	27.229	35.827	35.827	38.694	40.127
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	340.82	N.A.	11.80
0-30	732.45	N.A.	25.30
0-40	1213.48	N.A.	42.00
0-60	2195.24	N.A.	75.90
0-80	2814.92	N.A.	97.30
0-90	2892.34	N.A.	100.00
10-90	2805.23	N.A.	97.00
20-40	872.65	N.A.	30.20
20-50	1380.44	N.A.	47.70
40-70	1365.21	N.A.	47.20
60-80	619.68	N.A.	21.40
70-80	236.24	N.A.	8.20
80-90	77.41	N.A.	2.70
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	2892.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	87.10
10-20	253.72
20-30	391.63
30-40	481.02
40-50	507.79
50-60	473.97
60-70	383.44
70-80	236.24
80-90	77.41
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

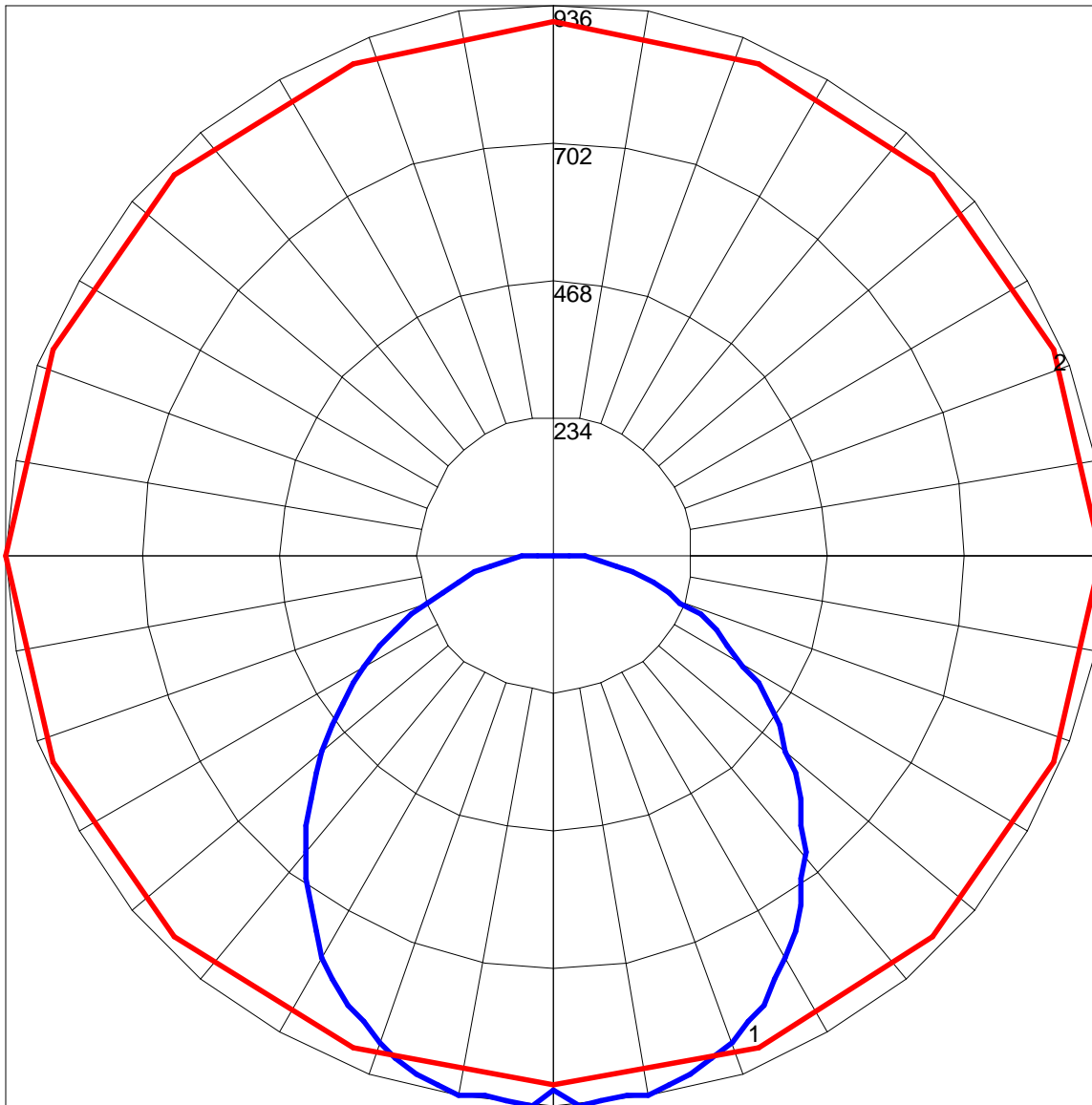
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 935.814 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.)