



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S2-LED-30L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9759_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]6/12/2018
[TEST DATE]02/22/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S2-LED-30L-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	3067
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	22650	21914	21545
55	22778	21870	21264
65	22081	20746	20233
75	20124	18447	18112
85	14940	14940	14442

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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	934.376	934.376	934.376	934.376	934.376
2.5	958.593	946.484	936.394	922.267	914.195
5.0	960.611	948.502	936.394	922.267	914.195
7.5	958.593	946.484	934.376	922.267	914.195
10.0	956.575	946.484	932.358	920.249	914.195
12.5	954.557	942.448	928.321	916.213	908.141
15.0	950.520	938.412	926.303	912.177	906.122
17.5	942.448	930.339	918.231	906.122	898.050
20.0	936.394	924.285	912.177	898.050	894.014
22.5	926.303	916.213	902.086	889.978	881.905
25.0	916.213	904.104	891.996	877.869	871.815
27.5	904.104	891.996	879.887	865.761	861.724
30.0	885.942	875.851	863.743	849.616	843.562
32.5	867.779	857.688	843.562	831.453	825.399
35.0	847.598	837.507	823.381	811.272	805.218
37.5	827.417	815.308	799.164	789.073	787.055
40.0	803.200	789.073	774.947	764.856	762.838
42.5	770.910	760.820	748.711	738.621	736.603
45.0	744.675	732.567	720.458	712.386	708.350
47.5	710.368	700.277	688.169	680.096	678.078
50.0	678.078	665.970	655.879	645.789	643.771
52.5	643.771	631.662	621.572	609.463	607.445
55.0	607.445	595.337	583.228	571.119	567.083
57.5	565.065	554.975	542.866	528.740	524.703
60.0	524.703	514.613	496.450	486.360	482.324
62.5	480.305	470.215	452.052	441.962	439.944
65.0	433.889	423.799	407.654	399.582	397.564
67.5	387.473	375.365	359.220	355.184	353.166
70.0	339.039	326.931	310.786	308.768	306.750
72.5	290.605	278.496	264.370	262.352	262.352
75.0	242.171	228.044	221.990	217.954	217.954
77.5	193.737	179.610	175.574	173.556	173.556
80.0	147.321	135.212	133.194	131.176	131.176
82.5	98.886	94.850	94.850	92.832	90.814
85.0	60.543	58.525	60.543	56.507	58.525
87.5	26.235	28.253	30.271	28.253	30.271
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	350.98	N.A.	11.40
0-30	762.65	N.A.	24.90
0-40	1278.76	N.A.	41.70
0-60	2356.19	N.A.	76.80
0-80	2999.48	N.A.	97.80
0-90	3067.28	N.A.	100.00
10-90	2978.04	N.A.	97.10
20-40	927.78	N.A.	30.20
20-50	1484.44	N.A.	48.40
40-70	1483.65	N.A.	48.40
60-80	643.29	N.A.	21.00
70-80	237.07	N.A.	7.70
80-90	67.81	N.A.	2.20
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	3067.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	89.25
10-20	261.73
20-30	411.67
30-40	516.11
40-50	556.66
50-60	520.77
60-70	406.22
70-80	237.07
80-90	67.81
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

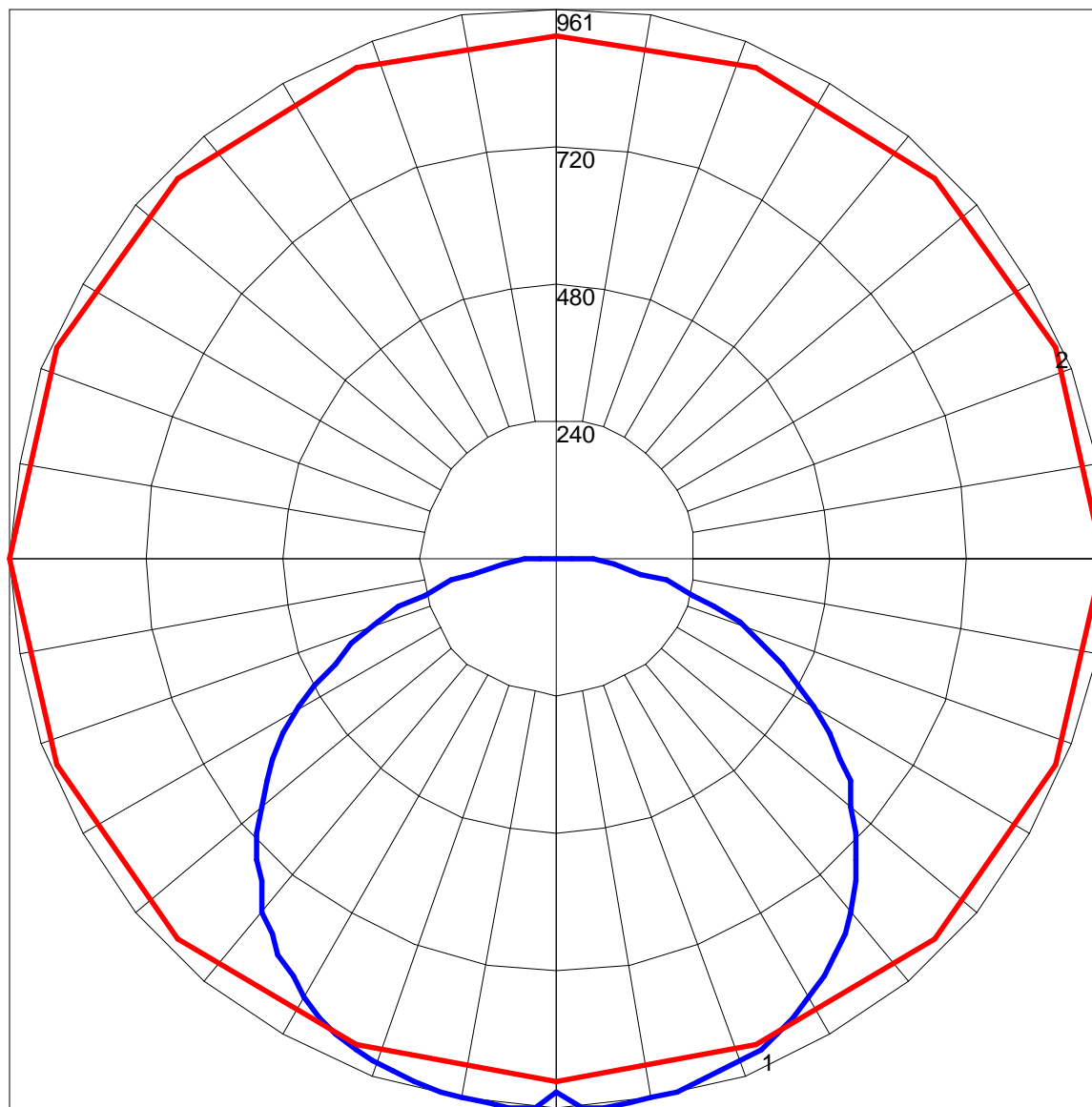
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	95	106	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	52	65	58	52	63	56	51	60	55	50	48
5	75	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	33	31
8	59	45	37	31	57	45	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	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	29	24	36	29	24	35	29	24	22

POLAR GRAPH



Maximum Candela = 960.611 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)