



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S2-LED-20L-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-20L-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	2025
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	14.6
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	14957	14471	14227
55	15041	14441	14042
65	14581	13700	13360
75	13289	12181	11960
85	9866	9866	9537

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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	617.008	617.008	617.008	617.008	617.008
2.5	632.999	625.003	618.340	609.012	603.681
5.0	634.332	626.336	618.340	609.012	603.681
7.5	632.999	625.003	617.008	609.012	603.681
10.0	631.667	625.003	615.675	607.679	603.681
12.5	630.334	622.338	613.010	605.014	599.684
15.0	627.669	619.673	611.677	602.349	598.351
17.5	622.338	614.342	606.347	598.351	593.020
20.0	618.340	610.345	602.349	593.020	590.355
22.5	611.677	605.014	595.686	587.690	582.359
25.0	605.014	597.018	589.022	579.694	575.696
27.5	597.018	589.022	581.027	571.698	569.033
30.0	585.025	578.361	570.366	561.037	557.039
32.5	573.031	566.368	557.039	549.044	545.046
35.0	559.705	553.041	543.713	535.717	531.719
37.5	546.378	538.383	527.721	521.058	519.726
40.0	530.387	521.058	511.730	505.067	503.734
42.5	509.065	502.402	494.406	487.743	486.410
45.0	491.740	483.745	475.749	470.418	467.753
47.5	469.086	462.423	454.427	449.096	447.764
50.0	447.764	439.768	433.105	426.442	425.109
52.5	425.109	417.113	410.450	402.454	401.122
55.0	401.122	393.126	385.130	377.134	374.469
57.5	373.136	366.473	358.477	349.149	346.484
60.0	346.484	339.821	327.827	321.164	318.499
62.5	317.166	310.503	298.509	291.846	290.513
65.0	286.515	279.852	269.191	263.861	262.528
67.5	255.865	247.869	237.208	234.543	233.210
70.0	223.882	215.886	205.225	203.892	202.560
72.5	191.899	183.903	174.575	173.242	173.242
75.0	159.916	150.587	146.589	143.924	143.924
77.5	127.932	118.604	115.939	114.606	114.606
80.0	97.282	89.286	87.954	86.621	86.621
82.5	65.299	62.634	62.634	61.301	59.968
85.0	39.979	38.646	39.979	37.314	38.646
87.5	17.324	18.657	19.989	18.657	19.989
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	231.77	N.A.	11.40
0-30	503.61	N.A.	24.90
0-40	844.42	N.A.	41.70
0-60	1555.89	N.A.	76.80
0-80	1980.68	N.A.	97.80
0-90	2025.46	N.A.	100.00
10-90	1966.52	N.A.	97.10
20-40	612.65	N.A.	30.20
20-50	980.24	N.A.	48.40
40-70	979.71	N.A.	48.40
60-80	424.79	N.A.	21.00
70-80	156.55	N.A.	7.70
80-90	44.78	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	2025.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.93
10-20	172.83
20-30	271.84
30-40	340.81
40-50	367.59
50-60	343.89
60-70	268.24
70-80	156.55
80-90	44.78
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

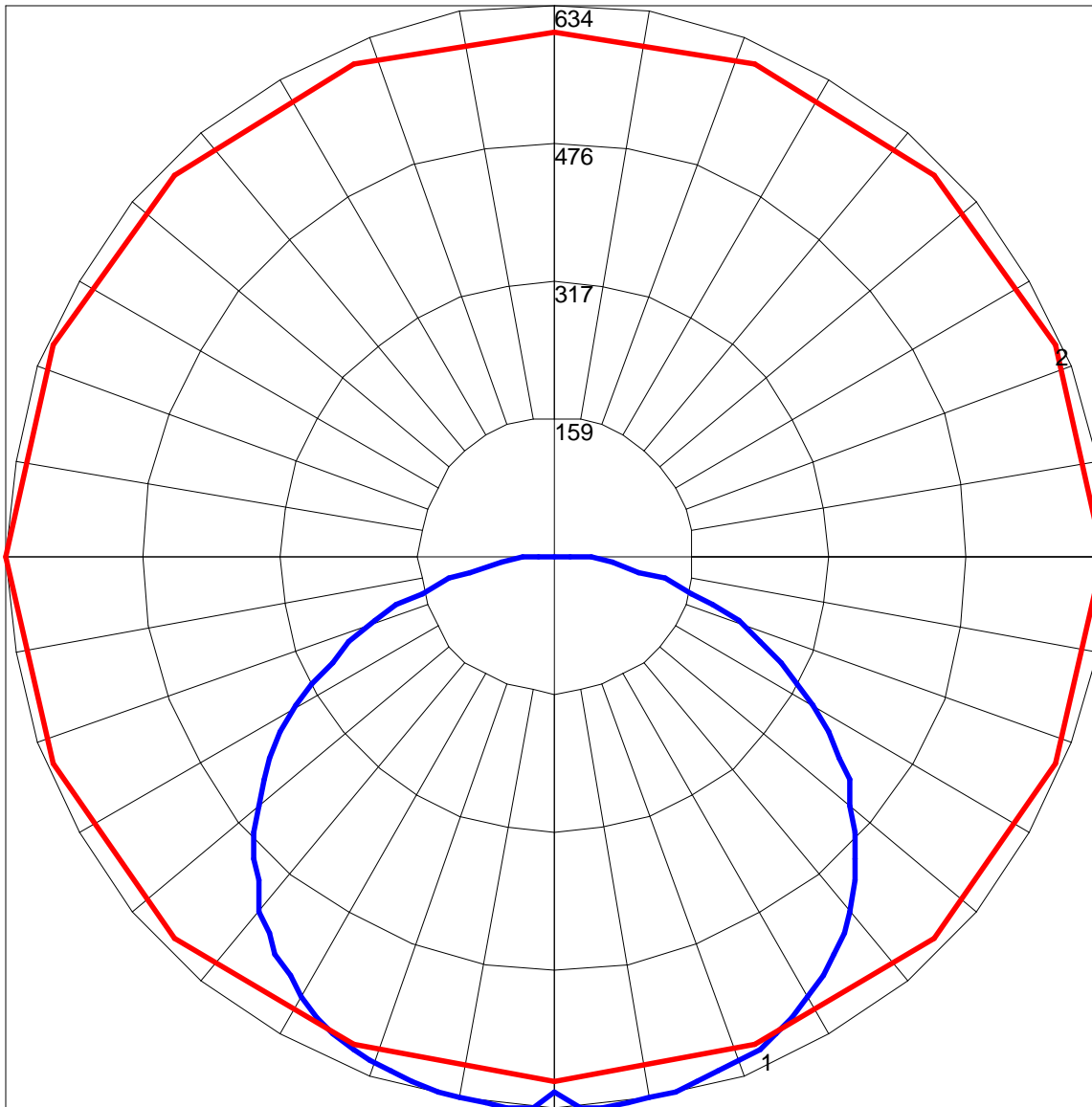
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	25	36	29	24	35	29	24	22

POLAR GRAPH



Maximum Candela = 634.332 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.)