



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-FL-SS-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 SS
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 03-31-2017
[LUMCAT] CURV-4-LED-FL-SS-40
[MANUFAC] LSI INDUSTRIES, INC
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5343
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	40.6
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.75 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1610	1242	825
55	1715	1365	875
65	1675	1407	907
75	1603	1429	948
85	2236	2123	1587

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CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	176.883	176.883	176.883	176.883	176.883	176.883	176.883	176.883	176.883	176.883
10	193.189	194.064	192.531	189.927	186.877	183.450	180.631	178.611	176.890	177.117
20	236.031	235.445	229.988	221.167	211.187	200.746	191.369	184.395	179.099	178.680
30	293.950	289.704	278.634	262.667	243.551	222.056	204.039	189.829	180.502	177.899
40	326.504	324.245	311.748	288.186	263.784	237.003	210.066	189.468	175.661	171.162
50	308.597	307.180	296.208	278.065	252.894	226.611	198.275	175.914	160.167	154.268
60	240.163	240.456	235.605	224.852	206.796	187.470	164.950	145.794	131.645	125.871
70	154.706	156.071	154.222	149.479	140.161	128.951	116.179	103.155	92.950	88.076
80	76.788	78.468	78.381	76.966	74.042	69.501	64.540	58.461	52.188	48.891
90	31.943	32.051	31.870	31.908	31.659	31.299	30.891	30.253	29.352	28.265
100	308.919	298.296	298.040	290.390	265.379	231.023	195.897	159.804	121.880	102.061
110	963.102	946.881	916.413	858.580	790.640	699.460	593.835	462.108	323.662	254.047
120	1205.484	1185.771	1149.213	1092.875	1006.302	902.582	766.358	614.260	474.111	406.401
130	1269.117	1252.540	1211.429	1148.523	1065.415	956.270	829.091	703.448	578.247	534.085
140	1212.037	1197.017	1161.633	1106.091	1033.466	956.846	861.632	753.589	658.332	630.913
150	1111.549	1100.239	1081.118	1054.507	993.496	923.261	852.760	766.492	719.054	701.316
160	994.222	985.453	969.786	945.149	912.384	868.088	820.211	787.161	767.533	753.050
170	857.258	854.391	847.837	837.524	828.798	818.744	811.013	800.125	792.112	789.830
180	804.444	804.444	804.444	804.444	804.444	804.444	804.444	804.444	804.444	804.444

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	72.86	N.A.	1.40
0-30	174.89	N.A.	3.30
0-40	326.91	N.A.	6.10
0-60	706.93	N.A.	13.20
0-80	970.42	N.A.	18.20
0-90	1024.66	N.A.	19.20
10-90	1007.37	N.A.	18.90
20-40	254.05	N.A.	4.80
20-50	442.31	N.A.	8.30
40-70	539.02	N.A.	10.10
60-80	263.49	N.A.	4.90
70-80	104.50	N.A.	2.00
80-90	54.24	N.A.	1.00
90-110	628.01	N.A.	11.80
90-120	1410.94	N.A.	26.40
90-130	2240.52	N.A.	41.90
90-150	3579.66	N.A.	67.00
90-180	4318.84	N.A.	80.80
110-180	3690.82	N.A.	69.10
0-180	5343.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	17.29
10-20	55.57
20-30	102.03
30-40	152.02
40-50	188.27
50-60	191.76
60-70	158.99
70-80	104.50
80-90	54.24
90-100	142.18
100-110	485.84
110-120	782.93
120-130	829.57
130-140	744.18
140-150	594.95
150-160	419.84
160-170	241.63
170-180	77.71

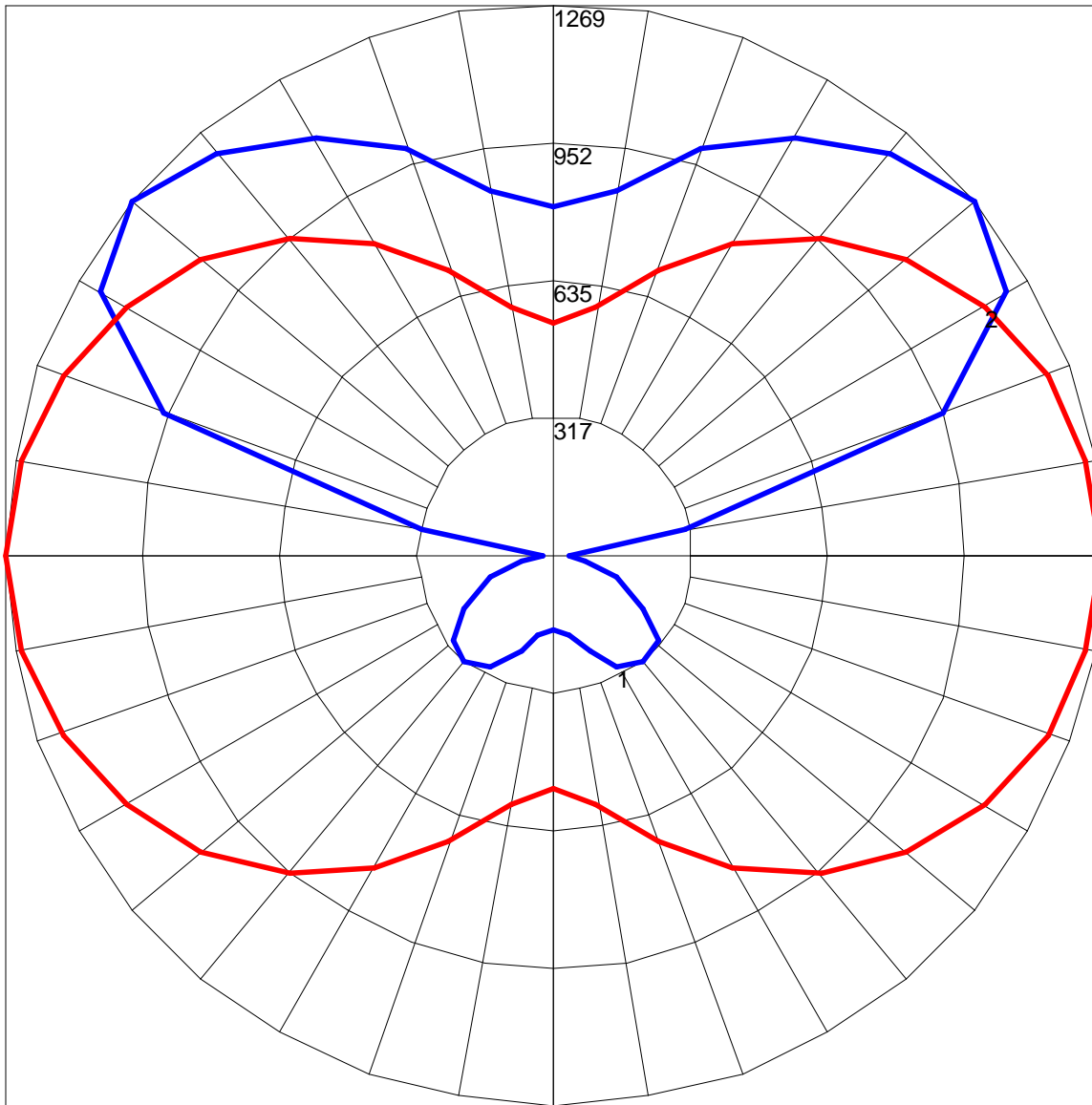
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	90	86	82	79	80	76	73	70	57	55	53	40	38	37	24	23	22	15
2	82	75	69	63	72	66	61	57	49	46	43	34	32	30	20	19	18	12
3	74	65	58	52	65	58	51	47	43	39	36	30	27	25	18	16	15	10
4	68	57	49	44	59	51	44	39	38	33	30	26	23	21	16	14	13	8
5	62	51	43	37	54	45	38	33	34	29	25	23	20	18	14	12	11	7
6	57	45	37	32	50	40	33	28	30	25	22	21	18	15	12	11	9	6
7	52	40	33	27	46	36	29	24	27	22	19	19	16	13	11	9	8	5
8	48	36	29	24	42	32	26	21	24	20	16	17	14	12	10	8	7	4
9	45	33	26	21	39	29	23	19	22	18	14	15	12	10	9	7	6	4
10	42	30	23	18	36	27	20	16	20	16	13	14	11	9	8	7	5	3

POLAR GRAPH



Maximum Candela = 1269.117 Located At Horizontal Angle = 0, Vertical Angle = 130
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)