



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-5050-FL-SS-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 SS 50 50
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 04-3-2017
[LUMCAT] CURV-4-LED-5050-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	4136
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	40.6
Ballast Factor	1.00
CIE Type	General Diffuse
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	2747	2461	2013
55	2657	2443	1987
65	2398	2298	1924
75	2058	2096	1834
85	2584	2793	2583

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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	547.435	547.435	547.435	547.435	547.435	547.435	547.435	547.435	547.435	547.435
10	567.059	566.085	562.532	558.839	553.429	548.830	544.476	540.976	539.091	538.225
20	599.776	597.156	590.044	580.136	566.972	552.515	539.440	528.945	521.400	518.885
30	620.911	617.797	608.287	591.692	570.715	545.324	522.633	502.640	489.835	484.843
40	589.574	587.583	577.962	561.049	538.386	509.547	482.213	457.623	439.997	433.128
50	494.048	493.534	487.896	476.868	457.798	436.254	411.269	385.881	368.311	361.220
60	356.225	357.329	356.021	351.347	341.118	328.185	311.425	293.077	279.778	274.703
70	209.287	209.529	212.843	212.801	210.576	203.605	198.598	189.233	181.977	178.889
80	87.927	90.447	92.673	94.584	95.548	95.538	94.151	91.235	87.655	86.007
90	37.724	38.336	39.150	39.925	40.309	40.246	40.348	40.005	39.932	39.610
100	149.862	156.277	163.090	163.505	155.389	143.391	131.926	121.366	110.401	103.062
110	374.779	368.737	372.567	366.143	350.872	328.417	295.957	258.186	217.700	196.450
120	486.317	484.263	480.079	470.030	447.980	418.127	377.692	329.622	292.475	274.254
130	529.648	533.351	524.046	512.230	487.331	450.036	413.005	383.747	351.134	335.253
140	525.420	530.753	518.586	505.269	491.323	465.588	442.931	414.498	389.942	380.833
150	503.684	506.342	501.623	492.406	483.006	471.047	455.908	437.980	422.137	416.760
160	482.331	483.363	485.242	478.637	471.640	463.682	453.918	444.139	439.448	435.660
170	454.406	453.795	454.655	454.402	454.025	451.398	449.972	448.659	446.377	445.772
180	444.816	444.816	444.816	444.816	444.816	444.816	444.816	444.816	444.816	444.816

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	209.99	N.A.	5.10
0-30	468.11	N.A.	11.30
0-40	805.51	N.A.	19.50
0-60	1518.87	N.A.	36.70
0-80	1935.93	N.A.	46.80
0-90	2007.8	N.A.	48.50
10-90	1955.33	N.A.	47.30
20-40	595.51	N.A.	14.40
20-50	966.01	N.A.	23.40
40-70	975.14	N.A.	23.60
60-80	417.06	N.A.	10.10
70-80	155.28	N.A.	3.80
80-90	71.87	N.A.	1.70
90-110	340.63	N.A.	8.20
90-120	700.44	N.A.	16.90
90-130	1087.61	N.A.	26.30
90-150	1739.34	N.A.	42.10
90-180	2128.17	N.A.	51.50
110-180	1787.54	N.A.	43.20
0-180	4135.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	52.47
10-20	157.53
20-30	258.12
30-40	337.40
40-50	370.49
50-60	342.87
60-70	261.77
70-80	155.28
80-90	71.87
90-100	98.72
100-110	241.91
110-120	359.81
120-130	387.17
130-140	357.08
140-150	294.65
150-160	216.25
160-170	129.80
170-180	42.78

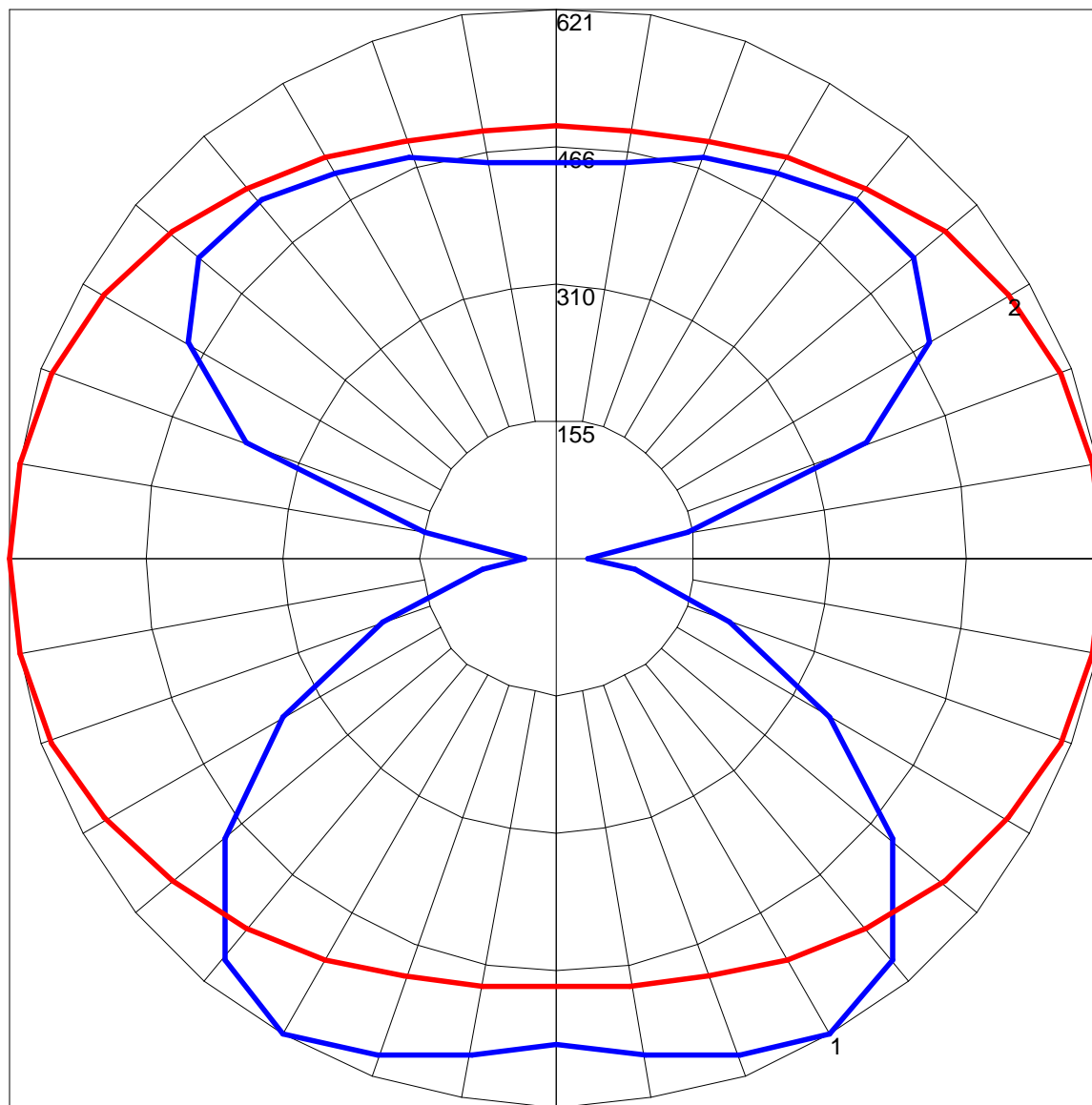
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	97	92	88	84	89	85	81	78	71	69	66	59	57	55	47	46	45	40
2	88	80	74	68	80	74	68	64	62	58	54	51	48	46	41	39	37	32
3	80	70	62	56	73	65	58	53	54	49	45	45	41	38	36	33	31	27
4	73	62	53	47	67	57	50	44	48	42	38	40	36	32	32	29	26	23
5	67	55	46	40	61	51	43	38	43	37	33	35	31	28	29	25	23	19
6	61	49	41	35	56	45	38	32	38	32	28	32	27	24	26	22	20	17
7	56	44	36	30	52	41	33	28	35	29	25	29	24	21	23	20	17	15
8	52	40	32	26	48	37	30	25	31	26	22	26	22	19	21	18	15	13
9	49	36	28	23	45	34	27	22	29	23	19	24	20	16	20	16	14	12
10	45	33	26	21	42	31	24	20	26	21	17	22	18	15	18	15	12	10

POLAR GRAPH



Maximum Candela = 620.911 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)