



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-FL-HO-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L450 HO NW  
 [TESTLAB] Dekko  
 [ISSUE DATE] 6/29/2017  
 [TEST DATE] 04-05-2017  
 [LUMCAT] CURV-8-LED-FL-HO-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	12829
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	97.4
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)	8.00 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	1931	1493	989
55	2056	1639	1050
65	2010	1688	1090
75	1925	1714	1143
85	2673	2550	1912

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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>
<b>0</b>	424	424	424	424	424	424	424	424	424	424
<b>10</b>	464	466	462	456	448	440	434	428	424	426
<b>20</b>	566	566	552	532	508	482	460	442	430	430
<b>30</b>	706	696	668	630	584	534	490	456	434	428
<b>40</b>	784	778	748	692	634	570	504	454	422	410
<b>50</b>	740	738	712	668	608	544	476	422	384	370
<b>60</b>	576	578	566	540	496	450	396	350	316	302
<b>70</b>	372	374	370	358	336	310	278	248	224	212
<b>80</b>	184	188	188	184	178	166	154	140	126	118
<b>90</b>	76	76	76	76	76	76	74	72	70	68
<b>100</b>	742	716	716	698	638	554	470	384	292	246
<b>110</b>	2312	2274	2200	2062	1898	1680	1426	1110	778	610
<b>120</b>	2894	2846	2760	2624	2416	2168	1840	1474	1138	976
<b>130</b>	3048	3008	2908	2758	2558	2296	1990	1688	1388	1282
<b>140</b>	2910	2874	2790	2656	2482	2298	2068	1810	1580	1514
<b>150</b>	2668	2642	2596	2532	2386	2216	2048	1840	1726	1684
<b>160</b>	2388	2366	2328	2270	2190	2084	1970	1890	1842	1808
<b>170</b>	2058	2052	2036	2010	1990	1966	1948	1922	1902	1896
<b>180</b>	1932	1932	1932	1932	1932	1932	1932	1932	1932	1932

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	174.90	N.A.	1.40
0-30	419.93	N.A.	3.30
0-40	784.92	N.A.	6.10
0-60	1697.38	N.A.	13.20
0-80	2329.71	N.A.	18.20
0-90	2459.6	N.A.	19.20
10-90	2418.14	N.A.	18.80
20-40	610.02	N.A.	4.80
20-50	1062.04	N.A.	8.30
40-70	1294.12	N.A.	10.10
60-80	632.33	N.A.	4.90
70-80	250.67	N.A.	2.00
80-90	129.90	N.A.	1.00
90-110	1507.96	N.A.	11.80
90-120	3387.87	N.A.	26.40
90-130	5379.56	N.A.	41.90
90-150	8594.86	N.A.	67.00
90-180	10369.68	N.A.	80.80
110-180	8861.72	N.A.	69.10
0-180	12829.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	41.46
10-20	133.43
20-30	245.04
30-40	364.98
40-50	452.02
50-60	460.44
60-70	381.66
70-80	250.67
80-90	129.90
90-100	341.26
100-110	1166.7
110-120	1879.91
120-130	1991.7
130-140	1786.77
140-150	1428.52
150-160	1008.02
160-170	580.18
170-180	186.62

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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	90	86	82	79	79	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

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**UGR TABLE - CORRECTED**

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size      UGR Viewed Crosswise

X=2H	Y=2H	8.9	8.9	9.4	10.1	11.7	8.9	8.9	8.9	8.9	8.9
	3H	10.2	10.8	11.4	12.0	13.6	8.9	8.9	8.9	8.9	10.1
	4H	11.0	11.5	12.2	12.7	14.4	8.9	8.9	8.9	9.2	10.9
	6H	11.6	12.1	12.8	13.3	15.0	8.9	8.9	9.4	9.9	11.5
	8H	11.9	12.4	13.1	13.6	15.2	8.9	9.0	9.7	10.2	11.9
	12H	12.2	12.7	13.4	13.8	15.5	8.9	9.4	10.1	10.6	12.3

UGR Viewed Endwise

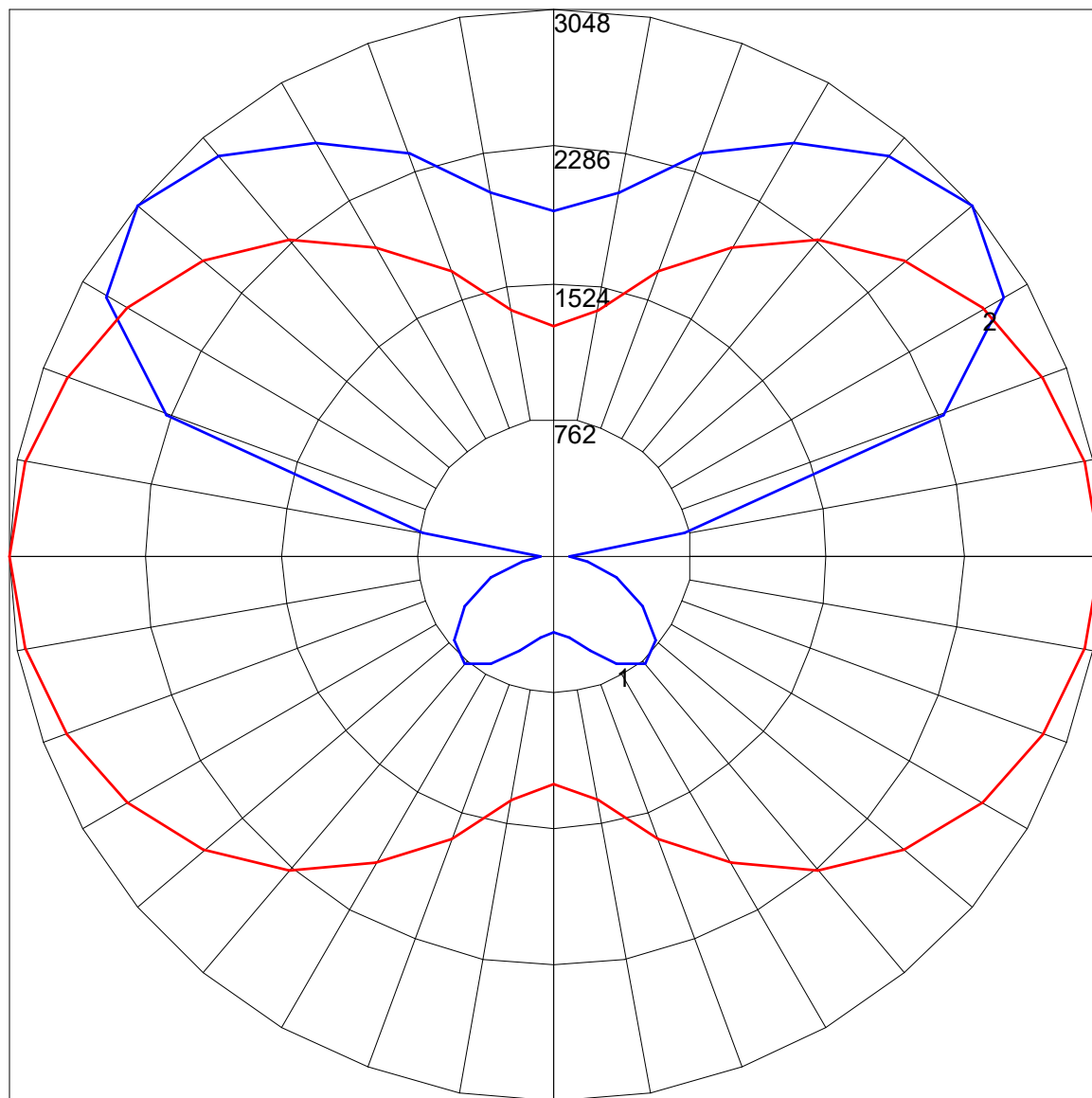
4H	2H	8.9	9.2	9.8	10.3	12.0	8.9	8.9	8.9	8.9	9.4
	3H	10.8	11.3	12.0	12.5	14.2	8.9	8.9	9.3	9.8	11.4
	4H	11.8	12.2	13.0	13.4	15.1	9.0	9.5	10.2	10.6	12.3
	6H	12.6	13.0	13.8	14.2	15.9	9.8	10.2	11.0	11.4	13.1
	8H	13.0	13.3	14.2	14.5	16.2	10.2	10.6	11.4	11.8	13.5
	12H	13.4	13.7	14.6	14.9	16.6	10.7	11.0	11.9	12.2	13.9

8H	4H	12.0	12.4	13.2	13.6	15.3	9.7	10.0	10.9	11.2	12.9
	6H	13.0	13.3	14.3	14.6	16.3	10.7	11.0	11.9	12.3	14.0
	8H	13.6	13.8	14.8	15.0	16.8	11.3	11.5	12.5	12.7	14.5
	12H	14.1	14.4	15.4	15.6	17.3	11.9	12.1	13.1	13.3	15.1

12H	4H	12.0	12.3	13.2	13.5	15.2	9.8	10.1	11.0	11.3	13.0
	6H	13.1	13.3	14.3	14.6	16.3	10.9	11.2	12.2	12.4	14.1
	8H	13.7	13.9	14.9	15.1	16.9	11.6	11.8	12.8	13.0	14.8

Maximum UGR = 17.3

POLAR GRAPH



Maximum Candela = 3048 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.)