



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-6040-FL-HO-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L450 VHO NW 60 40\_Scaled  
[TESTLAB] Dekko  
[ISSUE DATE] 6/29/2017  
[TEST DATE] 04-03-2017  
[LUMCAT] CURV-4-LED-6040-FL-HO-35  
[MANUFAC] LSI INDUSTRIES, INC  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[\_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED  
[\_SEARCH\_SOURCE TYPE] LED  
[\_SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5095
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	49
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	2861	2549	2025
55	2756	2533	2025
65	2493	2403	1996
75	2148	2241	1979
85	2898	3192	2930

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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>	532.742	532.742	532.742	532.742	532.742	532.742	532.742	532.742	532.742	532.742
<b>10</b>	564.210	563.528	559.883	555.120	548.809	541.175	535.177	529.830	525.676	523.329
<b>20</b>	616.343	614.000	605.147	591.829	572.345	554.994	537.830	523.900	513.161	507.649
<b>30</b>	645.349	642.805	629.942	610.581	585.431	558.524	528.341	503.983	487.437	478.755
<b>40</b>	615.300	613.206	602.501	583.108	557.794	527.306	492.878	463.661	442.284	432.930
<b>50</b>	513.572	513.468	507.995	495.780	476.652	449.761	422.979	396.297	374.626	365.816
<b>60</b>	368.552	370.367	369.667	364.673	355.321	339.653	321.529	303.821	287.626	282.339
<b>70</b>	219.216	222.036	223.587	224.057	221.944	216.218	208.738	198.198	190.599	188.239
<b>80</b>	90.936	94.113	97.705	101.204	104.358	104.747	103.908	101.821	98.393	97.587
<b>90</b>	49.969	50.632	51.973	51.628	51.158	50.174	49.208	48.192	47.101	44.872
<b>100</b>	177.653	181.348	198.858	198.925	186.970	177.298	167.165	157.439	141.771	130.585
<b>110</b>	530.857	524.333	518.452	506.793	481.830	453.466	411.200	346.052	284.677	250.609
<b>120</b>	732.942	726.481	712.984	685.368	648.567	597.673	536.022	456.339	391.883	357.856
<b>130</b>	806.138	803.839	780.359	753.216	712.958	654.758	587.766	536.716	477.310	451.111
<b>140</b>	797.809	797.702	777.782	751.188	717.226	673.933	633.175	584.536	542.298	524.550
<b>150</b>	754.161	755.930	750.423	732.084	715.435	686.832	649.275	610.379	583.066	572.460
<b>160</b>	718.194	712.774	713.053	703.913	686.422	667.155	644.567	626.235	617.100	609.743
<b>170</b>	657.936	656.128	655.488	654.201	651.594	648.815	644.319	642.382	637.846	634.067
<b>180</b>	630.836	630.836	630.836	630.836	630.836	630.836	630.836	630.836	630.836	630.836

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	208.57	N.A.	4.10
0-30	470.45	N.A.	9.20
0-40	816.52	N.A.	16.00
0-60	1553.4	N.A.	30.50
0-80	1991.34	N.A.	39.10
0-90	2073.05	N.A.	40.70
10-90	2021.63	N.A.	39.70
20-40	607.95	N.A.	11.90
20-50	990.19	N.A.	19.40
40-70	1009.7	N.A.	19.80
60-80	437.94	N.A.	8.60
70-80	165.13	N.A.	3.20
80-90	81.71	N.A.	1.60
90-110	444.08	N.A.	8.70
90-120	952.42	N.A.	18.70
90-130	1512.46	N.A.	29.70
90-150	2460.74	N.A.	48.30
90-180	3022.02	N.A.	59.30
110-180	2577.94	N.A.	50.60
0-180	5095.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	51.43
10-20	157.14
20-30	261.89
30-40	346.07
40-50	382.24
50-60	354.65
60-70	272.82
70-80	165.13
80-90	81.71
90-100	121.92
100-110	322.16
110-120	508.34
120-130	560.04
130-140	519.51
140-150	428.77
150-160	313.25
160-170	186.96
170-180	61.06

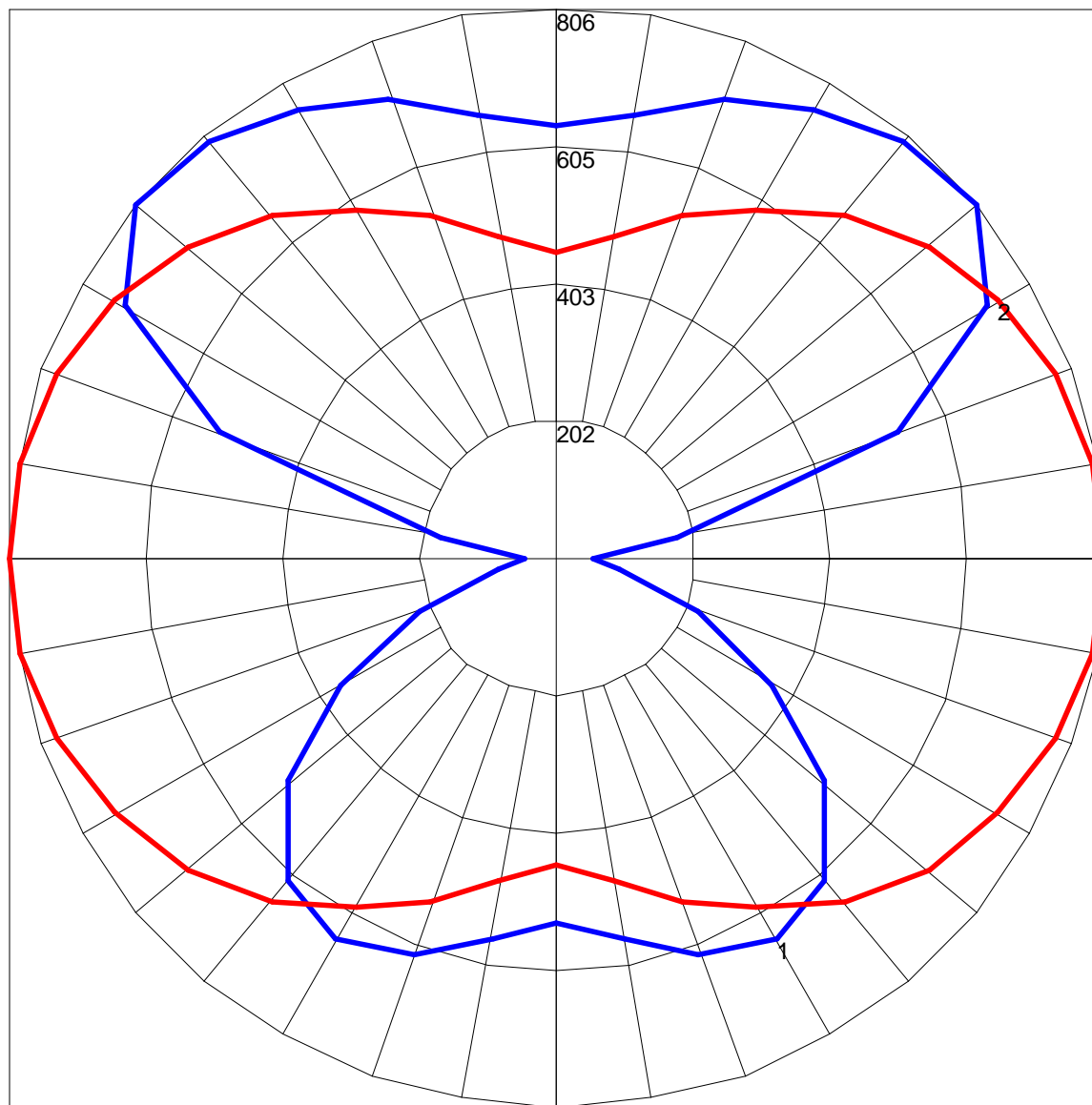
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	95	91	87	83	86	83	79	76	68	65	63	54	52	51	41	40	39	33
2	86	79	72	67	78	72	66	62	59	55	51	47	44	42	36	34	32	27
3	78	69	61	55	71	63	56	51	51	47	43	41	38	35	31	29	27	22
4	71	60	52	46	65	55	48	43	45	40	36	36	32	29	28	25	23	19
5	65	54	45	39	59	49	42	36	40	35	31	32	28	25	25	22	20	16
6	60	48	40	34	54	44	37	31	36	31	26	29	25	22	22	19	17	14
7	55	43	35	29	50	39	32	27	33	27	23	26	22	19	20	17	15	12
8	51	39	31	26	46	36	29	24	30	24	20	24	20	17	18	15	13	11
9	48	35	28	23	43	32	26	21	27	22	18	22	18	15	17	14	12	10
10	44	32	25	20	40	30	23	19	25	20	16	20	16	13	16	13	11	9

POLAR GRAPH



Maximum Candela = 806.138 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.)