



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-6040-FL-HO-30.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-30  
[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	4942
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
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	2775	2473	1964
55	2674	2457	1965
65	2418	2331	1936
75	2083	2174	1920
85	2811	3096	2842

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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>	516.745	516.745	516.745	516.745	516.745	516.745	516.745	516.745	516.745	516.745
<b>10</b>	547.267	546.606	543.071	538.451	532.329	524.924	519.107	513.919	509.891	507.614
<b>20</b>	597.835	595.562	586.975	574.057	555.158	538.328	521.680	508.168	497.752	492.405
<b>30</b>	625.970	623.502	611.025	592.246	567.851	541.753	512.476	488.849	472.800	464.378
<b>40</b>	596.823	594.792	584.409	565.598	541.044	511.471	478.077	449.738	429.002	419.930
<b>50</b>	498.150	498.049	492.741	480.892	462.339	436.255	410.277	384.396	363.376	354.831
<b>60</b>	357.485	359.246	358.567	353.723	344.651	329.454	311.874	294.698	278.989	273.861
<b>70</b>	212.634	215.369	216.873	217.328	215.280	209.726	202.470	192.246	184.875	182.587
<b>80</b>	88.205	91.287	94.771	98.165	101.225	101.602	100.788	98.763	95.438	94.657
<b>90</b>	48.468	49.111	50.413	50.078	49.622	48.667	47.731	46.745	45.687	43.525
<b>100</b>	172.318	175.902	192.886	192.952	181.356	171.974	162.145	152.711	137.514	126.664
<b>110</b>	514.916	508.588	502.884	491.575	467.361	439.849	398.852	335.661	276.129	243.084
<b>120</b>	710.933	704.666	691.574	664.787	629.092	579.726	519.926	442.636	380.115	347.110
<b>130</b>	781.931	779.701	756.925	730.598	691.549	635.096	570.116	520.599	462.977	437.565
<b>140</b>	773.851	773.748	754.427	728.631	695.689	653.695	614.161	566.983	526.013	508.799
<b>150</b>	731.514	733.230	727.889	710.100	693.951	666.208	629.778	592.050	565.557	555.270
<b>160</b>	696.627	691.370	691.640	682.775	665.810	647.121	625.211	607.430	598.569	591.434
<b>170</b>	638.179	636.425	635.804	634.556	632.028	629.332	624.971	623.092	618.693	615.027
<b>180</b>	611.893	611.893	611.893	611.893	611.893	611.893	611.893	611.893	611.893	611.893

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	202.30	N.A.	4.10
0-30	456.32	N.A.	9.20
0-40	792.00	N.A.	16.00
0-60	1506.75	N.A.	30.50
0-80	1931.55	N.A.	39.10
0-90	2010.8	N.A.	40.70
10-90	1960.92	N.A.	39.70
20-40	589.70	N.A.	11.90
20-50	960.45	N.A.	19.40
40-70	979.38	N.A.	19.80
60-80	424.79	N.A.	8.60
70-80	160.17	N.A.	3.20
80-90	79.25	N.A.	1.60
90-110	430.74	N.A.	8.70
90-120	923.82	N.A.	18.70
90-130	1467.05	N.A.	29.70
90-150	2386.85	N.A.	48.30
90-180	2931.27	N.A.	59.30
110-180	2500.53	N.A.	50.60
0-180	4942.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	49.88
10-20	152.42
20-30	254.02
30-40	335.67
40-50	370.76
50-60	344.00
60-70	264.62
70-80	160.17
80-90	79.25
90-100	118.26
100-110	312.49
110-120	493.08
120-130	543.22
130-140	503.91
140-150	415.90
150-160	303.85
160-170	181.35
170-180	59.23

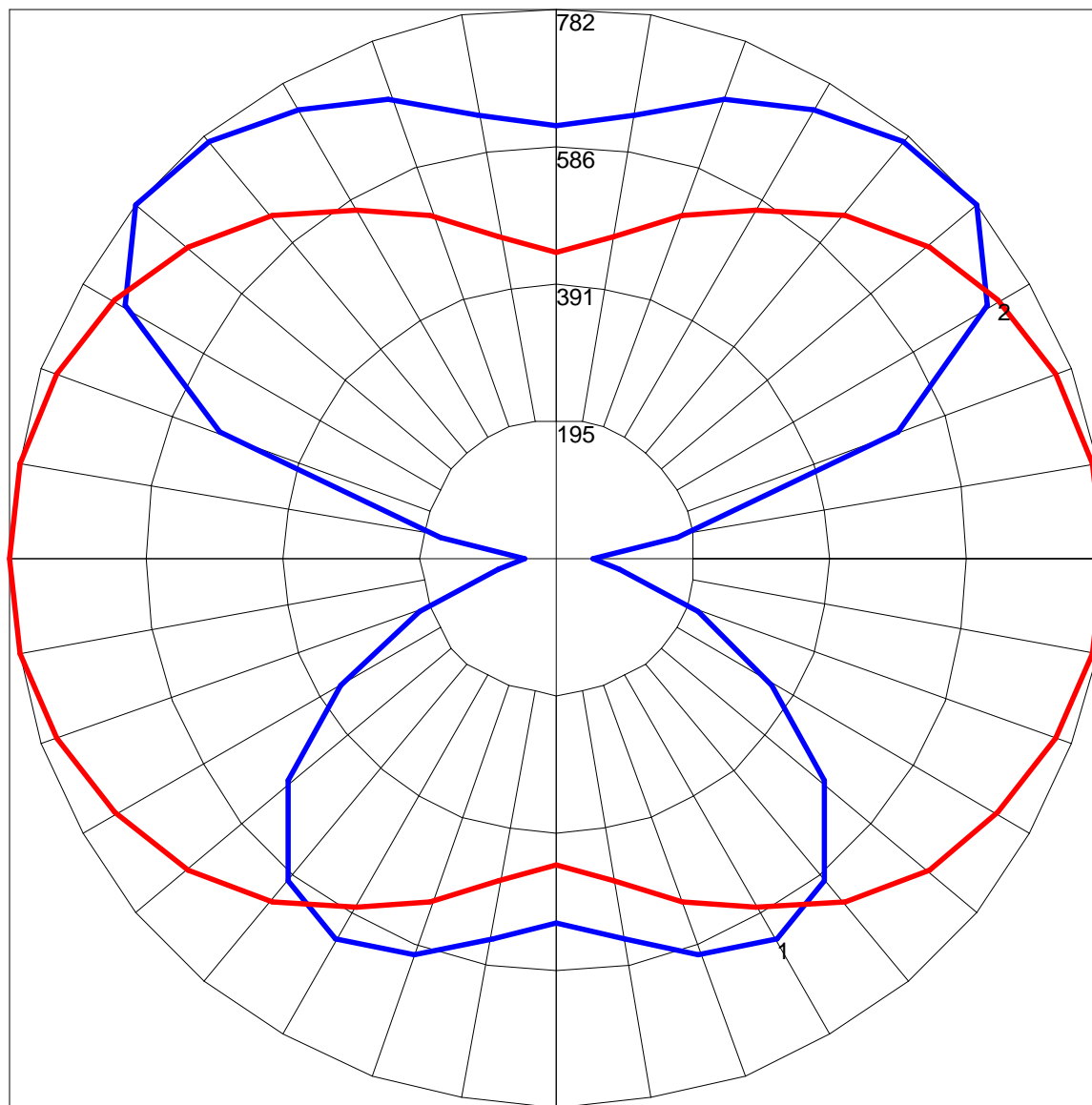
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 781.931 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.)