



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-6040-FL-SS-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-SS-35  
[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	4244
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	41
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	2383	2123	1686
55	2296	2110	1687
65	2076	2001	1662
75	1789	1867	1649
85	2414	2659	2440

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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>	443.758	443.758	443.758	443.758	443.758	443.758	443.758	443.758	443.758	443.758
<b>10</b>	469.970	469.402	466.366	462.399	457.142	450.783	445.787	441.332	437.872	435.917
<b>20</b>	513.395	511.443	504.069	492.976	476.746	462.293	447.996	436.393	427.448	422.856
<b>30</b>	537.556	535.437	524.722	508.595	487.647	465.234	440.092	419.802	406.020	398.788
<b>40</b>	512.526	510.782	501.865	485.712	464.626	439.230	410.552	386.215	368.409	360.618
<b>50</b>	427.790	427.703	423.145	412.970	397.037	374.637	352.329	330.103	312.052	304.714
<b>60</b>	306.993	308.505	307.922	303.762	295.972	282.921	267.824	253.074	239.584	235.180
<b>70</b>	182.601	184.950	186.241	186.632	184.873	180.103	173.873	165.093	158.763	156.798
<b>80</b>	75.747	78.394	81.385	84.300	86.927	87.251	86.552	84.814	81.958	81.287
<b>90</b>	41.622	42.175	43.292	43.005	42.613	41.793	40.989	40.142	39.234	37.377
<b>100</b>	147.979	151.057	165.642	165.699	155.741	147.684	139.243	131.142	118.091	108.774
<b>110</b>	442.188	436.753	431.855	422.143	401.350	377.723	342.517	288.251	237.128	208.750
<b>120</b>	610.519	605.137	593.894	570.891	540.237	497.844	446.490	380.117	326.427	298.083
<b>130</b>	671.488	669.574	650.015	627.406	593.872	545.393	489.591	447.068	397.585	375.762
<b>140</b>	664.550	664.462	647.869	625.717	597.428	561.366	527.415	486.901	451.718	436.935
<b>150</b>	628.193	629.666	625.080	609.803	595.935	572.111	540.827	508.427	485.676	476.842
<b>160</b>	598.233	593.719	593.951	586.338	571.769	555.720	536.905	521.635	514.026	507.898
<b>170</b>	548.041	546.535	546.001	544.929	542.758	540.443	536.698	535.085	531.307	528.159
<b>180</b>	525.467	525.467	525.467	525.467	525.467	525.467	525.467	525.467	525.467	525.467

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	173.73	N.A.	4.10
0-30	391.87	N.A.	9.20
0-40	680.13	N.A.	16.00
0-60	1293.93	N.A.	30.50
0-80	1658.73	N.A.	39.10
0-90	1726.79	N.A.	40.70
10-90	1683.95	N.A.	39.70
20-40	506.41	N.A.	11.90
20-50	824.80	N.A.	19.40
40-70	841.05	N.A.	19.80
60-80	364.80	N.A.	8.60
70-80	137.55	N.A.	3.20
80-90	68.06	N.A.	1.60
90-110	369.90	N.A.	8.70
90-120	793.34	N.A.	18.70
90-130	1259.84	N.A.	29.70
90-150	2049.72	N.A.	48.30
90-180	2517.25	N.A.	59.30
110-180	2147.35	N.A.	50.60
0-180	4244.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	42.84
10-20	130.89
20-30	218.14
30-40	288.26
40-50	318.39
50-60	295.41
60-70	227.25
70-80	137.55
80-90	68.06
90-100	101.55
100-110	268.35
110-120	423.44
120-130	466.50
130-140	432.73
140-150	357.15
150-160	260.93
160-170	155.73
170-180	50.86

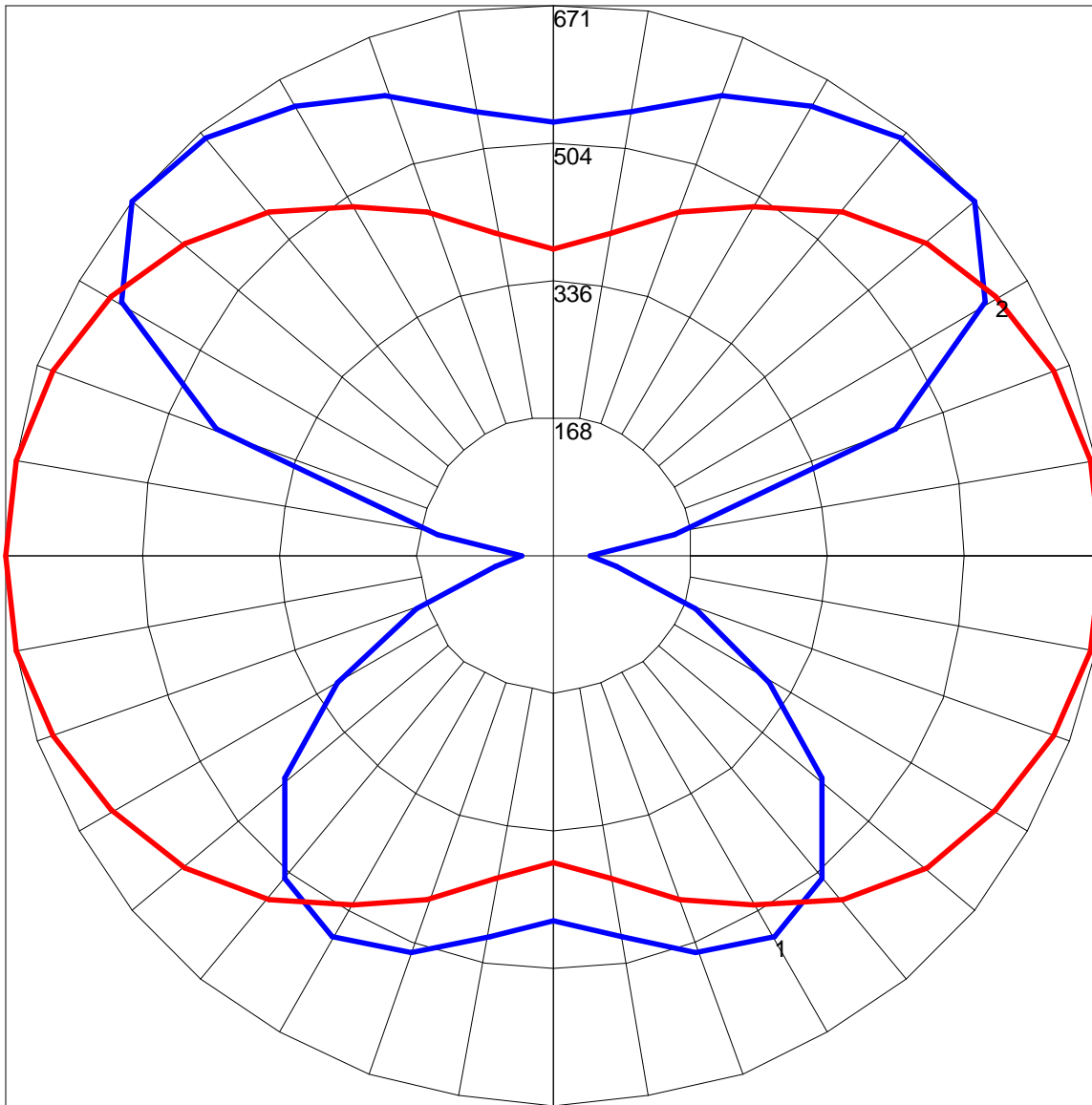
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 671.488 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.)