



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : CURV-8-LED-6040-FL-VHO-40.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L450 VHO NW 60 40

[TESTLAB] Dekko

[ISSUE DATE] 6/29/2017

[TEST DATE] 04-03-2017

[LUMCAT] CURV-8-LED-6040-FL-VHO-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	15542
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	143.8
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)	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	4363	3888	3088
55	4203	3862	3088
65	3803	3666	3046
75	3279	3422	3023
85	4429	4868	4459

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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>	1625.45	1625.45	1625.45	1625.45	1625.45	1625.45	1625.45	1625.45	1625.45	1625.45
<b>10</b>	1719.85	1719.85	1708.05	1693.30	1672.65	1652.00	1631.35	1616.60	1604.80	1595.95
<b>20</b>	1879.15	1873.25	1846.70	1805.40	1746.40	1693.30	1640.20	1598.90	1566.45	1548.75
<b>30</b>	1967.65	1961.75	1920.45	1861.45	1784.75	1705.10	1610.70	1536.95	1486.80	1460.25
<b>40</b>	1876.20	1870.30	1837.85	1778.85	1702.15	1607.75	1504.50	1413.05	1348.15	1321.60
<b>50</b>	1566.45	1566.45	1548.75	1513.35	1454.35	1371.75	1289.15	1209.50	1141.65	1115.10
<b>60</b>	1123.95	1129.85	1126.90	1112.15	1082.65	1035.45	979.40	926.30	876.15	861.40
<b>70</b>	669.65	678.50	681.45	684.40	678.50	660.80	637.20	604.75	581.15	575.25
<b>80</b>	277.30	286.15	297.95	309.75	318.60	318.60	315.65	309.75	300.90	297.95
<b>90</b>	153.40	153.40	159.30	156.35	156.35	153.40	150.45	147.50	144.55	135.70
<b>100</b>	542.80	554.60	607.70	607.70	569.35	539.85	510.35	480.85	433.65	398.25
<b>110</b>	1619.55	1598.90	1581.20	1545.80	1469.10	1383.55	1253.75	1056.10	867.30	764.05
<b>120</b>	2236.10	2215.45	2174.15	2091.55	1979.45	1823.10	1634.30	1392.40	1194.75	1091.50
<b>130</b>	2460.30	2451.45	2380.65	2298.05	2174.15	1997.15	1793.60	1637.25	1457.30	1374.70
<b>140</b>	2433.75	2433.75	2371.80	2292.15	2188.90	2056.15	1932.25	1781.80	1654.95	1598.90
<b>150</b>	2301.00	2306.90	2289.20	2233.15	2183.00	2094.50	1979.45	1861.45	1778.85	1746.40
<b>160</b>	2191.85	2174.15	2174.15	2147.60	2094.50	2035.50	1967.65	1911.60	1882.10	1861.45
<b>170</b>	2006.00	2000.10	2000.10	1994.20	1988.30	1979.45	1964.70	1958.80	1947.00	1935.20
<b>180</b>	1923.40	1923.40	1923.40	1923.40	1923.40	1923.40	1923.40	1923.40	1923.40	1923.40

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	636.29	N.A.	4.10
0-30	1435.15	N.A.	9.20
0-40	2490.64	N.A.	16.00
0-60	4737.93	N.A.	30.50
0-80	6074.05	N.A.	39.10
0-90	6323.22	N.A.	40.70
10-90	6166.33	N.A.	39.70
20-40	1854.36	N.A.	11.90
20-50	3020.21	N.A.	19.40
40-70	3079.48	N.A.	19.80
60-80	1336.11	N.A.	8.60
70-80	503.93	N.A.	3.20
80-90	249.18	N.A.	1.60
90-110	1355.00	N.A.	8.70
90-120	2905.5	N.A.	18.70
90-130	4613.89	N.A.	29.70
90-150	7506.71	N.A.	48.30
90-180	9218.94	N.A.	59.30
110-180	7863.93	N.A.	50.60
0-180	15542.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	156.89
10-20	479.39
20-30	798.86
30-40	1055.49
40-50	1165.85
50-60	1081.44
60-70	832.18
70-80	503.93
80-90	249.18
90-100	372.20
100-110	982.80
110-120	1550.49
120-130	1708.4
130-140	1584.82
140-150	1307.99
150-160	955.66
160-170	570.35
170-180	186.21

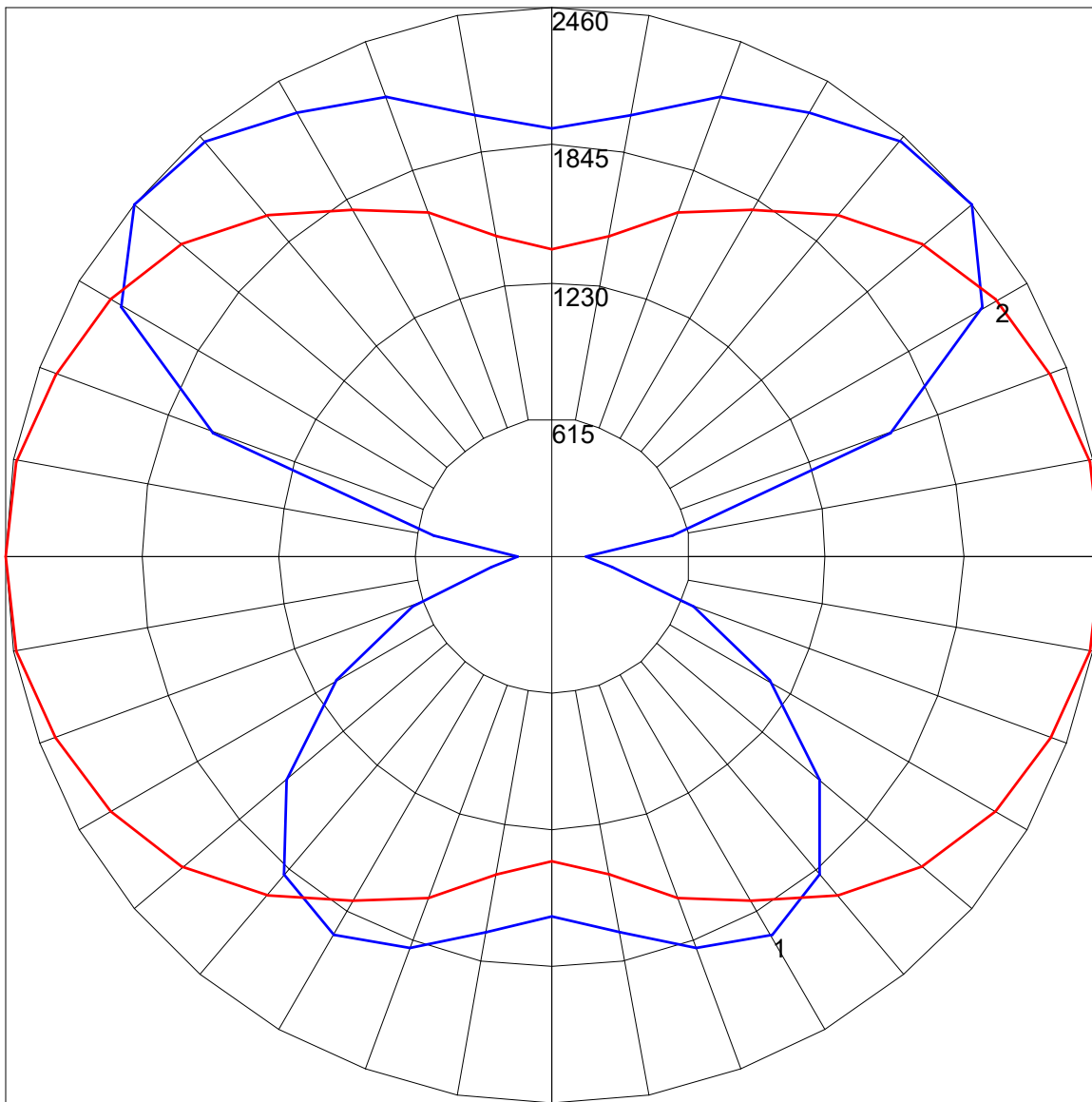
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 2460.3 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.)