



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-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-8-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\_SOURCETYPE] LED  
 [SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10190
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	98
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	2861	2549	2025
55	2756	2532	2025
65	2494	2403	1997
75	2150	2243	1982
85	2904	3192	2923

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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>	1065.711	1065.711	1065.711	1065.711	1065.711	1065.711	1065.711	1065.711	1065.711	1065.711
<b>10</b>	1127.604	1127.604	1119.867	1110.196	1096.657	1083.118	1069.579	1059.909	1052.172	1046.370
<b>20</b>	1232.047	1228.179	1210.772	1183.694	1145.011	1110.196	1075.382	1048.304	1027.028	1015.423
<b>30</b>	1290.071	1286.203	1259.125	1220.442	1170.155	1117.933	1056.040	1007.687	974.807	957.399
<b>40</b>	1230.113	1226.245	1204.969	1166.286	1115.999	1054.106	986.411	926.453	883.902	866.495
<b>50</b>	1027.028	1027.028	1015.423	992.214	953.531	899.375	845.219	792.997	748.512	731.105
<b>60</b>	736.907	740.776	738.841	729.171	709.829	678.883	642.134	607.320	574.440	564.769
<b>70</b>	439.050	444.852	446.786	448.720	444.852	433.247	417.774	396.499	381.026	377.157
<b>80</b>	181.809	187.612	195.348	203.085	208.887	208.887	206.953	203.085	197.282	195.348
<b>90</b>	100.575	100.575	104.444	102.509	102.509	100.575	98.641	96.707	94.773	88.970
<b>100</b>	355.882	363.618	398.433	398.433	373.289	353.948	334.606	315.265	284.319	261.109
<b>110</b>	1061.843	1048.304	1036.699	1013.489	963.202	907.112	822.009	692.422	568.637	500.942
<b>120</b>	1466.078	1452.539	1425.461	1371.305	1297.808	1195.298	1071.514	912.914	783.327	715.632
<b>130</b>	1613.073	1607.270	1560.851	1506.695	1425.461	1309.413	1175.957	1073.448	955.465	901.309
<b>140</b>	1595.665	1595.665	1555.049	1502.827	1435.132	1348.096	1266.862	1168.221	1085.053	1048.304
<b>150</b>	1508.629	1512.497	1500.893	1464.144	1431.264	1373.239	1297.808	1220.442	1166.286	1145.011
<b>160</b>	1437.066	1425.461	1425.461	1408.054	1373.239	1334.557	1290.071	1253.323	1233.981	1220.442
<b>170</b>	1315.215	1311.347	1311.347	1307.479	1303.610	1297.808	1288.137	1284.269	1276.532	1268.796
<b>180</b>	1261.059	1261.059	1261.059	1261.059	1261.059	1261.059	1261.059	1261.059	1261.059	1261.059

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	417.17	N.A.	4.10
0-30	940.94	N.A.	9.20
0-40	1632.97	N.A.	16.00
0-60	3106.38	N.A.	30.50
0-80	3982.39	N.A.	39.10
0-90	4145.76	N.A.	40.70
10-90	4042.9	N.A.	39.70
20-40	1215.79	N.A.	11.90
20-50	1980.17	N.A.	19.40
40-70	2019.03	N.A.	19.80
60-80	876.01	N.A.	8.60
70-80	330.40	N.A.	3.20
80-90	163.37	N.A.	1.60
90-110	888.40	N.A.	8.70
90-120	1904.96	N.A.	18.70
90-130	3025.06	N.A.	29.70
90-150	4921.7	N.A.	48.30
90-180	6044.31	N.A.	59.30
110-180	5155.91	N.A.	50.60
0-180	10190.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	102.87
10-20	314.31
20-30	523.77
30-40	692.02
40-50	764.38
50-60	709.04
60-70	545.61
70-80	330.40
80-90	163.37
90-100	244.03
100-110	644.37
110-120	1016.57
120-130	1120.09
130-140	1039.08
140-150	857.57
150-160	626.57
160-170	373.95
170-180	122.09

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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

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**UGR TABLE - CORRECTED**

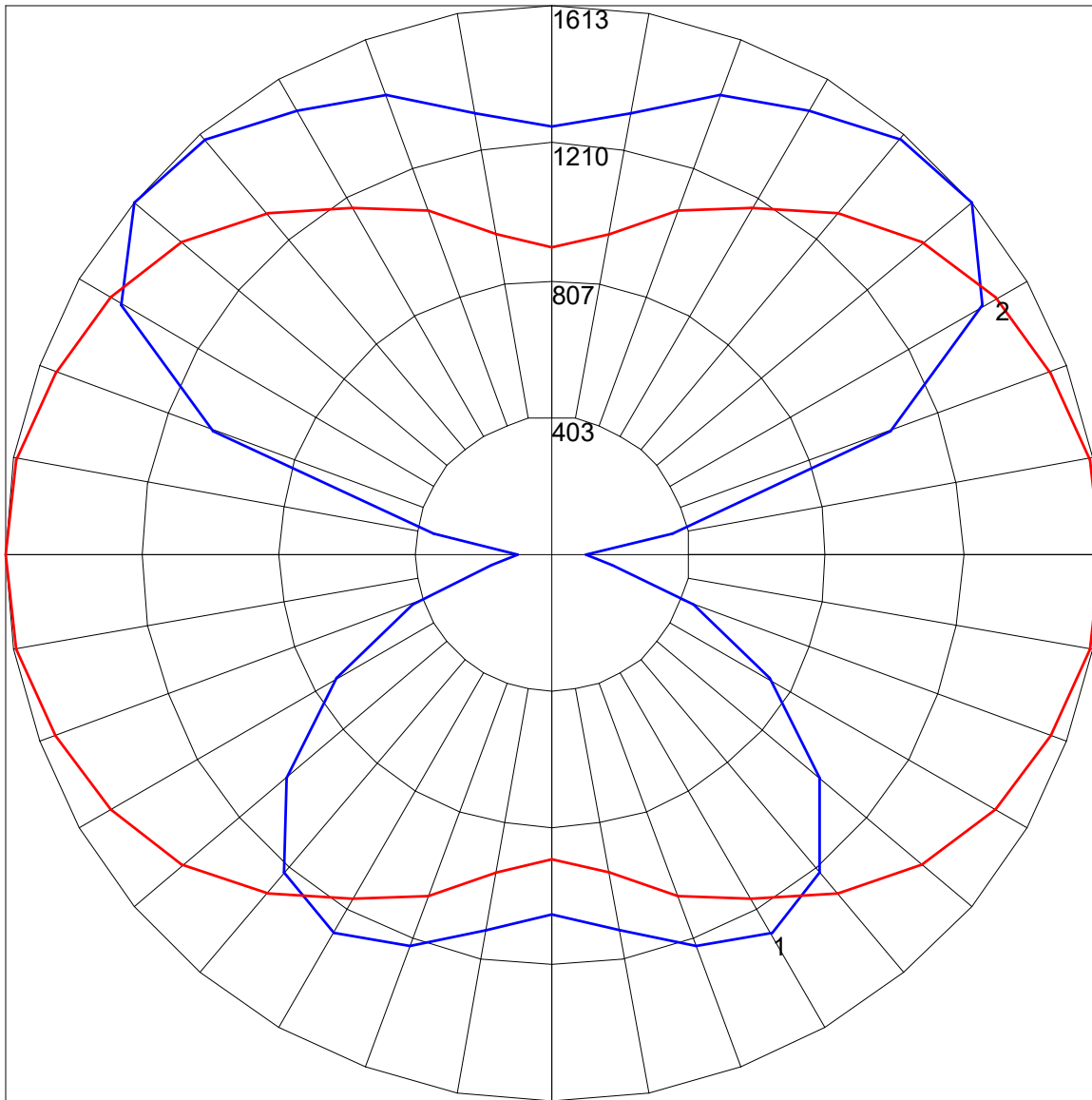
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	11.5	12.3	12.5	13.3	14.7	10.0	10.8	11.0	11.8	13.2
	3H	13.2	13.9	14.2	14.9	16.4	11.8	12.5	12.8	13.6	15.0
	4H	13.8	14.5	14.8	15.5	16.9	12.5	13.2	13.6	14.3	15.7
	6H	14.2	14.9	15.3	15.9	17.3	13.2	13.8	14.2	14.9	16.3
	8H	14.4	15.0	15.5	16.1	17.5	13.5	14.1	14.5	15.2	16.6
	12H	14.6	15.2	15.7	16.3	17.7	13.8	14.4	14.9	15.5	16.9
4H	2H	12.0	12.7	13.0	13.7	15.1	10.8	11.5	11.8	12.5	13.9
	3H	13.9	14.5	14.9	15.5	17.0	12.8	13.4	13.9	14.5	15.9
	4H	14.6	15.2	15.7	16.2	17.7	13.7	14.2	14.8	15.3	16.8
	6H	15.2	15.7	16.3	16.8	18.2	14.5	14.9	15.5	16.0	17.5
	8H	15.5	15.9	16.6	17.0	18.5	14.8	15.3	15.9	16.4	17.8
	12H	15.8	16.2	16.9	17.3	18.8	15.2	15.6	16.3	16.7	18.2
8H	4H	14.9	15.3	16.0	16.4	17.9	14.1	14.5	15.2	15.6	17.1
	6H	15.7	16.0	16.8	17.1	18.6	15.0	15.4	16.1	16.5	18.0
	8H	16.1	16.4	17.2	17.5	19.0	15.6	15.9	16.7	17.0	18.5
	12H	16.5	16.8	17.6	17.9	19.4	16.1	16.4	17.2	17.5	19.0
12H	4H	14.9	15.3	16.0	16.4	17.9	14.1	14.5	15.2	15.6	17.1
	6H	15.7	16.1	16.8	17.2	18.7	15.1	15.5	16.2	16.6	18.1
	8H	16.2	16.5	17.3	17.6	19.1	15.7	16.0	16.8	17.1	18.6

Maximum UGR = 19.4

POLAR GRAPH



Maximum Candela = 1613.073 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.)