



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-6040-FL-SS-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-8-LED-6040-FL-SS-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	8234
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	82
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	2311	2060	1636
55	2227	2046	1636
65	2015	1942	1614
75	1737	1813	1602
85	2346	2579	2362

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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>	861.147	861.147	861.147	861.147	861.147	861.147	861.147	861.147	861.147	861.147
<b>10</b>	911.159	911.159	904.908	897.093	886.153	875.213	864.273	856.458	850.207	845.518
<b>20</b>	995.555	992.429	978.363	956.483	925.225	897.093	868.961	847.081	829.889	820.512
<b>30</b>	1042.441	1039.315	1017.435	986.177	945.542	903.345	853.333	814.261	787.692	773.626
<b>40</b>	993.992	990.866	973.674	942.417	901.782	851.770	797.069	748.620	714.236	700.170
<b>50</b>	829.889	829.889	820.512	801.757	770.500	726.739	682.979	640.781	604.835	590.769
<b>60</b>	595.457	598.583	597.020	589.206	573.577	548.571	518.876	490.744	464.175	456.361
<b>70</b>	354.774	359.462	361.025	362.588	359.462	350.085	337.582	320.390	307.887	304.762
<b>80</b>	146.911	151.599	157.851	164.102	168.791	168.791	167.228	164.102	159.414	157.851
<b>90</b>	81.270	81.270	84.396	82.833	82.833	81.270	79.707	78.144	76.581	71.892
<b>100</b>	287.570	293.821	321.953	321.953	301.636	286.007	270.378	254.749	229.743	210.989
<b>110</b>	858.021	847.081	837.704	818.949	778.314	732.991	664.224	559.511	459.487	404.786
<b>120</b>	1184.663	1173.723	1151.843	1108.082	1048.693	965.860	865.836	737.679	632.966	578.266
<b>130</b>	1303.442	1298.753	1261.244	1217.484	1151.843	1058.070	950.231	867.398	772.063	728.302
<b>140</b>	1289.376	1289.376	1256.556	1214.358	1159.657	1089.327	1023.686	943.980	876.776	847.081
<b>150</b>	1219.046	1222.172	1212.795	1183.100	1156.531	1109.645	1048.693	986.177	942.417	925.225
<b>160</b>	1161.220	1151.843	1151.843	1137.777	1109.645	1078.387	1042.441	1012.746	997.117	986.177
<b>170</b>	1062.758	1059.633	1059.633	1056.507	1053.381	1048.693	1040.878	1037.752	1031.501	1025.249
<b>180</b>	1018.998	1018.998	1018.998	1018.998	1018.998	1018.998	1018.998	1018.998	1018.998	1018.998

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	337.10	N.A.	4.10
0-30	760.33	N.A.	9.20
0-40	1319.52	N.A.	16.00
0-60	2510.11	N.A.	30.50
0-80	3217.97	N.A.	39.10
0-90	3349.98	N.A.	40.70
10-90	3266.86	N.A.	39.70
20-40	982.42	N.A.	11.90
20-50	1600.08	N.A.	19.40
40-70	1631.47	N.A.	19.80
60-80	707.86	N.A.	8.60
70-80	266.98	N.A.	3.20
80-90	132.01	N.A.	1.60
90-110	717.87	N.A.	8.70
90-120	1539.3	N.A.	18.70
90-130	2444.39	N.A.	29.70
90-150	3976.98	N.A.	48.30
90-180	4884.1	N.A.	59.30
110-180	4166.23	N.A.	50.60
0-180	8234.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	83.12
10-20	253.98
20-30	423.23
30-40	559.19
40-50	617.66
50-60	572.94
60-70	440.88
70-80	266.98
80-90	132.01
90-100	197.19
100-110	520.68
110-120	821.44
120-130	905.09
130-140	839.62
140-150	692.96
150-160	506.30
160-170	302.17
170-180	98.65

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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**

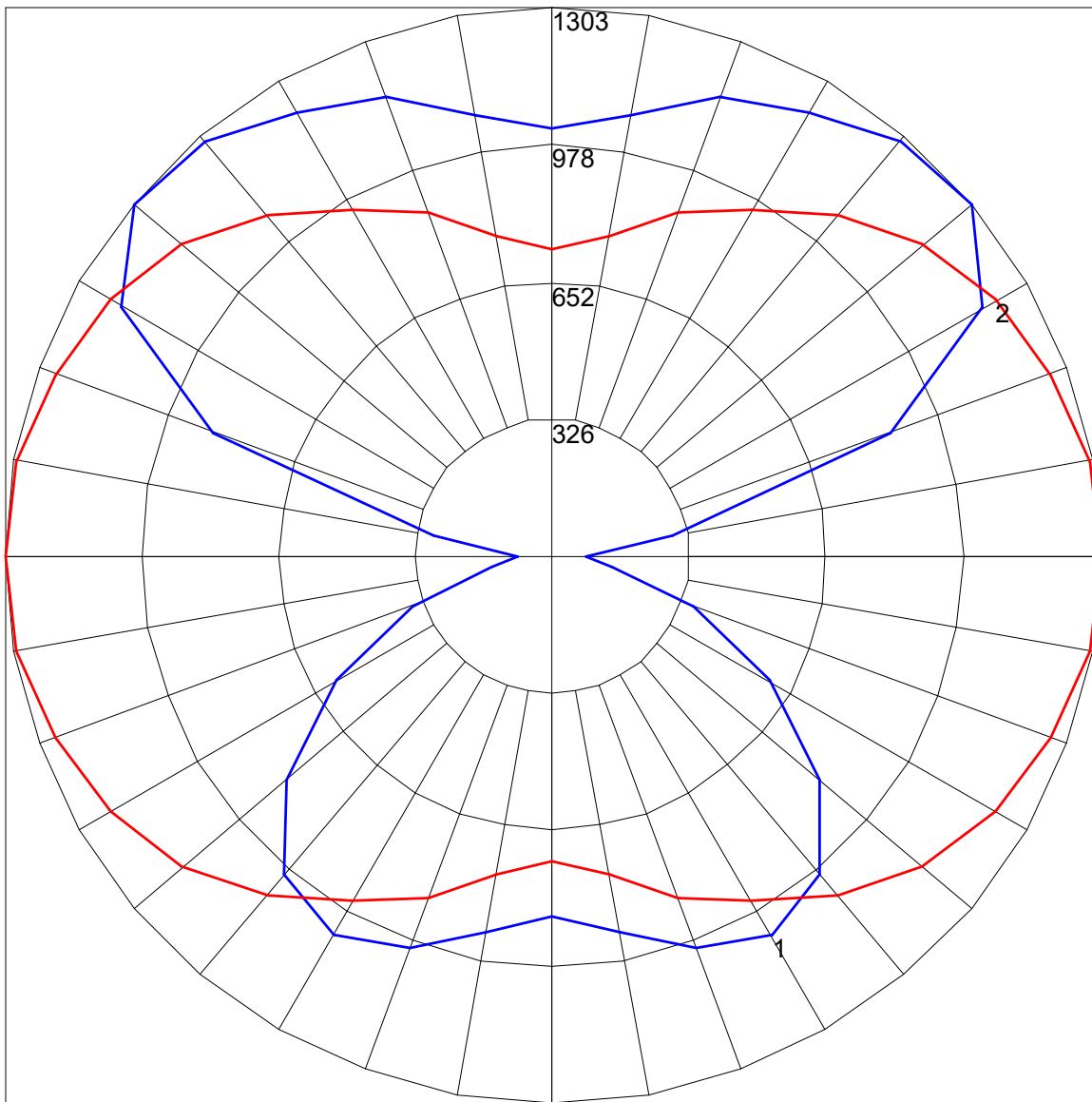
Reflectances

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	10.7	11.5	11.7	12.5	13.9	9.2	10.0	10.2	11.0	12.4
	3H	12.4	13.1	13.4	14.1	15.6	11.0	11.7	12.0	12.8	14.2
	4H	13.0	13.7	14.0	14.7	16.1	11.7	12.4	12.8	13.5	14.9
	6H	13.4	14.1	14.5	15.1	16.5	12.4	13.0	13.4	14.1	15.5
	8H	13.6	14.2	14.7	15.3	16.7	12.7	13.3	13.7	14.4	15.8
	12H	13.8	14.4	14.9	15.5	16.9	13.0	13.6	14.1	14.7	16.1
4H	2H	11.2	11.9	12.2	12.9	14.3	10.0	10.7	11.0	11.7	13.1
	3H	13.1	13.7	14.1	14.7	16.2	12.0	12.6	13.1	13.7	15.1
	4H	13.8	14.4	14.9	15.4	16.9	12.9	13.4	14.0	14.5	16.0
	6H	14.4	14.9	15.5	16.0	17.4	13.7	14.1	14.7	15.2	16.7
	8H	14.7	15.1	15.8	16.2	17.7	14.0	14.5	15.1	15.6	17.0
	12H	15.0	15.4	16.1	16.5	18.0	14.4	14.8	15.5	15.9	17.4
8H	4H	14.1	14.5	15.2	15.6	17.1	13.3	13.7	14.4	14.8	16.3
	6H	14.9	15.2	16.0	16.3	17.8	14.2	14.6	15.3	15.7	17.2
	8H	15.3	15.6	16.4	16.7	18.2	14.8	15.1	15.9	16.2	17.7
	12H	15.7	16.0	16.8	17.1	18.6	15.3	15.6	16.4	16.7	18.2
12H	4H	14.1	14.5	15.2	15.6	17.1	13.3	13.7	14.4	14.8	16.3
	6H	14.9	15.3	16.0	16.4	17.9	14.3	14.7	15.5	15.8	17.3
	8H	15.4	15.7	16.5	16.8	18.3	14.9	15.2	16.0	16.3	17.8

Maximum UGR = 18.6

POLAR GRAPH



Maximum Candela = 1303.442 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.)