



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-5050-FL-SS-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L450 VHO NW 50 50\_Scaled  
 [TESTLAB] Dekko  
 [ISSUE DATE] 6/29/2017  
 [TEST DATE] 04-03-2017  
 [LUMCAT] CURV-8-LED-5050-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	7760
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
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	2577	2309	1890
55	2493	2293	1865
65	2250	2156	1806
75	1932	1967	1721
85	2426	2619	2426

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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>	1026.773	1026.773	1026.773	1026.773	1026.773	1026.773	1026.773	1026.773	1026.773	1026.773
<b>10</b>	1064.280	1062.718	1054.903	1048.652	1037.712	1029.898	1022.084	1014.270	1011.145	1009.582
<b>20</b>	1125.230	1120.542	1106.477	1087.723	1064.280	1036.150	1012.707	992.391	978.325	973.637
<b>30</b>	1164.301	1159.612	1140.859	1109.602	1070.532	1023.647	979.888	942.380	918.938	909.561
<b>40</b>	1106.477	1101.788	1084.597	1053.341	1009.582	956.446	904.873	857.988	825.169	812.666
<b>50</b>	926.752	925.189	915.812	893.933	859.551	818.918	772.033	723.586	690.766	678.264
<b>60</b>	668.887	670.450	667.324	659.510	640.756	615.751	584.495	550.113	525.108	515.731
<b>70</b>	392.268	393.831	400.082	398.519	395.393	381.328	371.951	354.760	340.695	336.006
<b>80</b>	165.659	170.347	173.473	178.161	179.724	179.724	176.599	171.910	164.096	160.970
<b>90</b>	70.327	71.890	73.453	75.015	75.015	75.015	75.015	75.015	75.015	75.015
<b>100</b>	281.308	293.810	306.313	306.313	292.247	268.805	246.926	228.172	207.855	193.790
<b>110</b>	703.269	692.329	698.581	687.641	657.947	615.751	554.801	484.474	407.896	368.826
<b>120</b>	912.687	907.998	900.184	881.430	840.797	784.536	707.957	618.877	548.550	514.168
<b>130</b>	993.953	1000.205	983.014	961.134	914.250	843.923	775.159	720.460	659.510	628.254
<b>140</b>	986.139	995.516	973.637	948.632	922.064	873.616	831.420	778.284	731.400	714.209
<b>150</b>	945.506	950.195	940.818	923.627	906.436	882.993	854.863	822.043	792.350	781.410
<b>160</b>	904.873	906.436	911.124	898.621	884.556	870.491	851.737	832.983	825.169	817.355
<b>170</b>	853.300	851.737	853.300	853.300	851.737	847.048	843.923	842.360	837.671	836.109
<b>180</b>	834.546	834.546	834.546	834.546	834.546	834.546	834.546	834.546	834.546	834.546

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	393.96	N.A.	5.10
0-30	878.18	N.A.	11.30
0-40	1511.11	N.A.	19.50
0-60	2849.57	N.A.	36.70
0-80	3632.13	N.A.	46.80
0-90	3767.02	N.A.	48.50
10-90	3668.6	N.A.	47.30
20-40	1117.16	N.A.	14.40
20-50	1812.25	N.A.	23.40
40-70	1829.62	N.A.	23.60
60-80	782.55	N.A.	10.10
70-80	291.40	N.A.	3.80
80-90	134.90	N.A.	1.70
90-110	639.17	N.A.	8.20
90-120	1314.11	N.A.	16.90
90-130	2040.44	N.A.	26.30
90-150	3263.35	N.A.	42.10
90-180	3992.97	N.A.	51.50
110-180	3353.79	N.A.	43.20
0-180	7759.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	98.42
10-20	295.54
20-30	484.22
30-40	632.94
40-50	695.09
50-60	643.37
60-70	491.15
70-80	291.40
80-90	134.90
90-100	185.24
100-110	453.93
110-120	674.94
120-130	726.33
130-140	670.05
140-150	552.87
150-160	405.75
160-170	243.59
170-180	80.27

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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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	97	92	88	84	89	85	81	78	71	69	66	59	57	55	47	46	45	40
2	88	80	74	68	80	74	68	64	62	58	54	51	48	46	41	39	37	32
3	80	70	62	56	73	65	58	53	54	49	45	45	41	38	36	33	31	27
4	73	62	53	47	67	57	50	44	48	42	38	40	36	32	32	29	26	23
5	67	55	46	40	61	51	43	38	43	37	33	35	31	28	29	25	23	19
6	61	49	40	35	56	45	38	32	38	32	28	32	27	24	26	22	20	17
7	56	44	36	30	52	41	33	28	35	29	25	29	24	21	23	20	17	15
8	52	40	32	26	48	37	30	25	31	26	22	26	22	19	21	18	15	13
9	49	36	28	23	45	34	27	22	29	23	19	24	20	16	20	16	14	12
10	45	33	26	21	42	31	24	20	26	21	17	22	18	15	18	15	12	10

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**UGR TABLE - CORRECTED**

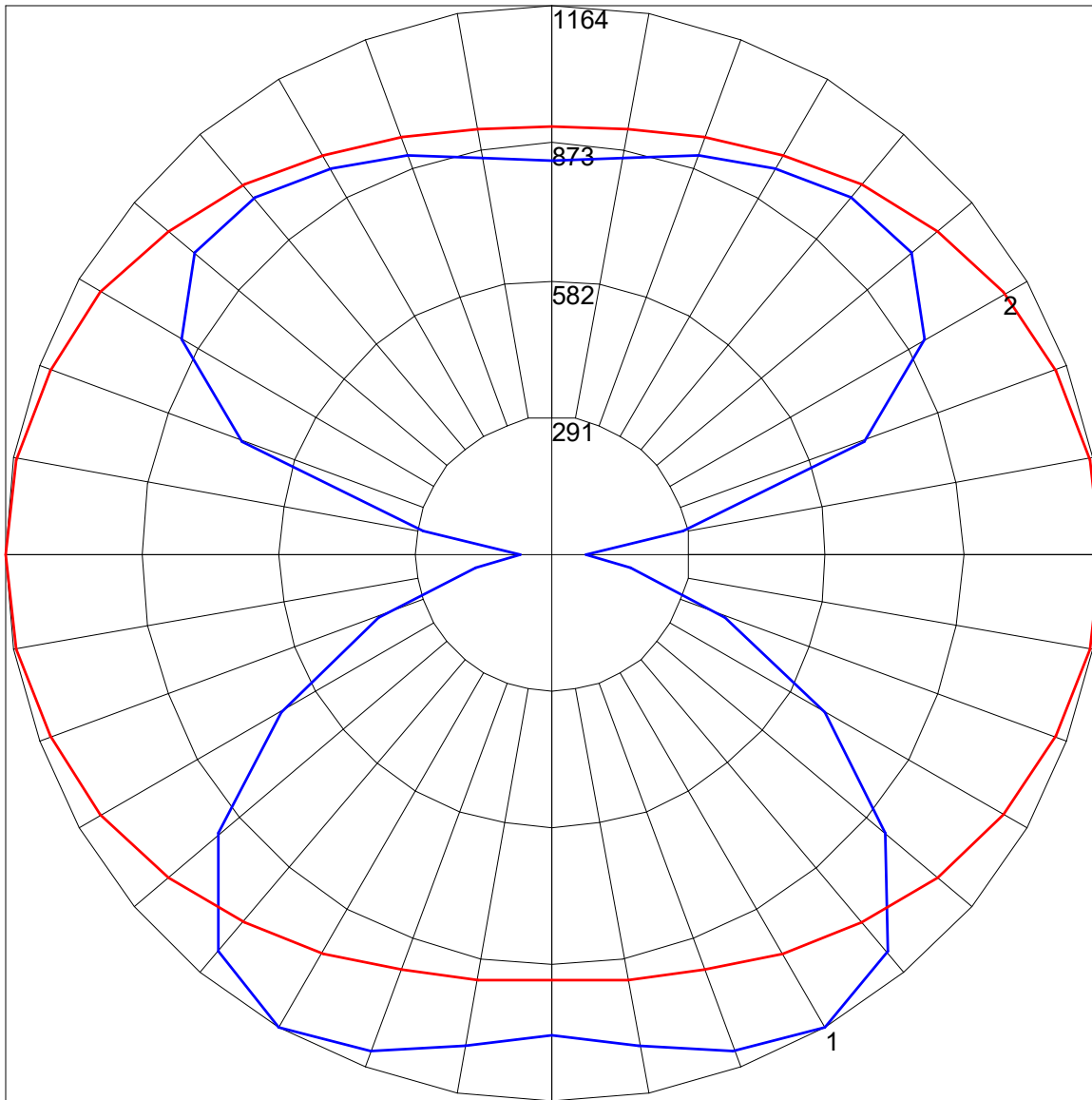
Reflectances

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	11.9	12.7	12.8	13.7	15.0	10.4	11.3	11.3	12.2	13.5
	3H	13.5	14.3	14.5	15.3	16.6	12.2	13.0	13.1	13.9	15.2
	4H	14.1	14.9	15.1	15.9	17.2	12.9	13.6	13.9	14.6	15.9
	6H	14.5	15.2	15.5	16.2	17.6	13.4	14.1	14.4	15.1	16.5
	8H	14.7	15.4	15.7	16.4	17.7	13.7	14.4	14.7	15.4	16.7
	12H	14.9	15.6	16.0	16.6	17.9	14.0	14.6	15.0	15.6	17.0
4H	2H	12.3	13.1	13.3	14.1	15.4	11.2	11.9	12.2	12.9	14.2
	3H	14.2	14.8	15.2	15.9	17.2	13.2	13.8	14.2	14.8	16.1
	4H	15.0	15.5	16.0	16.6	17.9	14.0	14.6	15.0	15.6	17.0
	6H	15.6	16.1	16.6	17.1	18.4	14.7	15.2	15.7	16.2	17.6
	8H	15.8	16.3	16.8	17.3	18.7	15.0	15.5	16.0	16.5	17.9
	12H	16.1	16.5	17.1	17.6	18.9	15.4	15.8	16.4	16.9	18.2
8H	4H	15.2	15.7	16.2	16.7	18.1	14.4	14.9	15.4	15.9	17.3
	6H	16.0	16.4	17.0	17.4	18.8	15.3	15.6	16.3	16.7	18.1
	8H	16.3	16.7	17.4	17.7	19.1	15.7	16.1	16.8	17.1	18.5
	12H	16.8	17.1	17.8	18.1	19.6	16.2	16.5	17.3	17.6	19.0
12H	4H	15.2	15.6	16.3	16.7	18.1	14.4	14.8	15.5	15.9	17.3
	6H	16.0	16.4	17.1	17.4	18.8	15.3	15.7	16.4	16.8	18.2
	8H	16.5	16.8	17.5	17.8	19.3	15.9	16.2	16.9	17.3	18.7

Maximum UGR = 19.6

POLAR GRAPH



Maximum Candela = 1164.301 Located At Horizontal Angle = 0, Vertical Angle = 30  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)