



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-3070-FL-SS-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L450 VHO NW 30 70\_Scaled  
[TESTLAB] Dekko  
[ISSUE DATE] 6/29/2017  
[TEST DATE] 04-03-2017  
[LUMCAT] CURV-8-LED-3070-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	6856
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	82
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.60
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.56
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	3281	2901	2347
55	3281	2921	2273
65	3114	2838	2127
75	2900	2700	1921
85	3406	3253	2394

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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>	1340.642	1340.642	1340.642	1340.642	1340.642	1340.642	1340.642	1340.642	1340.642	1340.642
<b>10</b>	1365.643	1365.643	1357.830	1350.017	1343.767	1332.830	1326.580	1321.892	1317.204	1317.204
<b>20</b>	1421.893	1415.643	1398.455	1376.580	1350.017	1323.454	1298.454	1276.579	1262.516	1260.954
<b>30</b>	1453.144	1442.206	1420.331	1382.830	1339.080	1289.079	1240.641	1200.015	1167.202	1157.827
<b>40</b>	1390.643	1382.830	1354.705	1315.642	1260.954	1200.015	1131.264	1075.014	1035.951	1017.201
<b>50</b>	1198.453	1190.640	1171.890	1139.077	1090.639	1026.576	964.075	904.699	856.261	834.386
<b>60</b>	901.574	898.449	887.511	865.636	834.386	787.510	737.509	685.946	643.758	620.320
<b>70</b>	567.195	568.757	564.070	559.382	540.632	514.069	471.881	442.193	412.505	382.817
<b>80</b>	270.316	273.441	273.441	268.753	259.378	245.316	228.128	207.815	189.065	171.877
<b>90</b>	60.938	62.501	62.501	64.063	64.063	64.063	62.501	60.938	60.938	60.938
<b>100</b>	179.690	182.815	193.752	196.878	182.815	153.127	135.939	121.877	109.376	103.126
<b>110</b>	346.879	365.630	340.629	334.379	328.129	303.129	282.816	246.878	206.253	198.440
<b>120</b>	485.944	460.943	439.068	418.755	404.693	373.442	343.754	310.941	279.691	270.316
<b>130</b>	543.757	396.880	500.006	460.943	434.381	407.818	390.630	359.380	337.504	329.692
<b>140</b>	546.882	428.130	498.444	471.881	423.443	456.256	426.568	398.443	384.380	381.255
<b>150</b>	529.694	501.569	400.005	493.756	503.131	435.943	414.068	417.193	418.755	420.318
<b>160</b>	504.694	518.757	448.443	407.818	428.130	460.943	470.319	464.068	453.131	448.443
<b>170</b>	475.006	489.069	484.381	464.068	439.068	421.880	414.068	410.943	410.943	412.505
<b>180</b>	479.694	479.694	479.694	479.694	479.694	479.694	479.694	479.694	479.694	479.694

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	507.46	N.A.	7.40
0-30	1120.24	N.A.	16.30
0-40	1914.12	N.A.	27.90
0-60	3608.91	N.A.	52.60
0-80	4646.01	N.A.	67.80
0-90	4811.43	N.A.	70.20
10-90	4683.5	N.A.	68.30
20-40	1406.66	N.A.	20.50
20-50	2280.94	N.A.	33.30
40-70	2337.24	N.A.	34.10
60-80	1037.11	N.A.	15.10
70-80	394.66	N.A.	5.80
80-90	165.41	N.A.	2.40
90-110	360.93	N.A.	5.30
90-120	696.76	N.A.	10.20
90-130	1052.32	N.A.	15.30
90-150	1662.15	N.A.	24.20
90-180	2044.35	N.A.	29.80
110-180	1683.42	N.A.	24.60
0-180	6855.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	127.93
10-20	379.54
20-30	612.78
30-40	793.87
40-50	874.29
50-60	820.50
60-70	642.45
70-80	394.66
80-90	165.41
90-100	120.05
100-110	240.88
110-120	335.83
120-130	355.56
130-140	330.25
140-150	279.58
150-160	210.54
160-170	127.66
170-180	43.99

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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	112	112	112	112	106	106	106	106	95	95	95	84	84	84	75	75	75	70
1	101	96	92	88	96	91	87	84	82	79	76	73	70	68	65	63	61	57
2	92	84	77	71	86	79	73	68	71	66	62	63	59	56	56	53	51	47
3	83	73	65	58	78	69	62	56	62	56	51	55	51	47	49	45	42	39
4	76	64	55	49	71	61	53	47	55	48	43	49	44	39	43	39	36	33
5	70	57	48	42	65	54	46	40	49	42	37	44	38	34	39	34	31	28
6	64	51	42	36	60	48	40	35	44	37	32	39	34	29	35	30	27	24
7	59	46	37	31	56	44	36	30	39	33	28	35	30	26	32	27	24	21
8	55	42	33	28	52	40	32	27	36	29	25	32	27	23	29	24	21	19
9	51	38	30	24	48	36	29	24	33	26	22	30	24	20	27	22	19	17
10	48	35	27	22	45	33	26	21	30	24	20	27	22	18	25	20	17	15

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**UGR TABLE - CORRECTED**

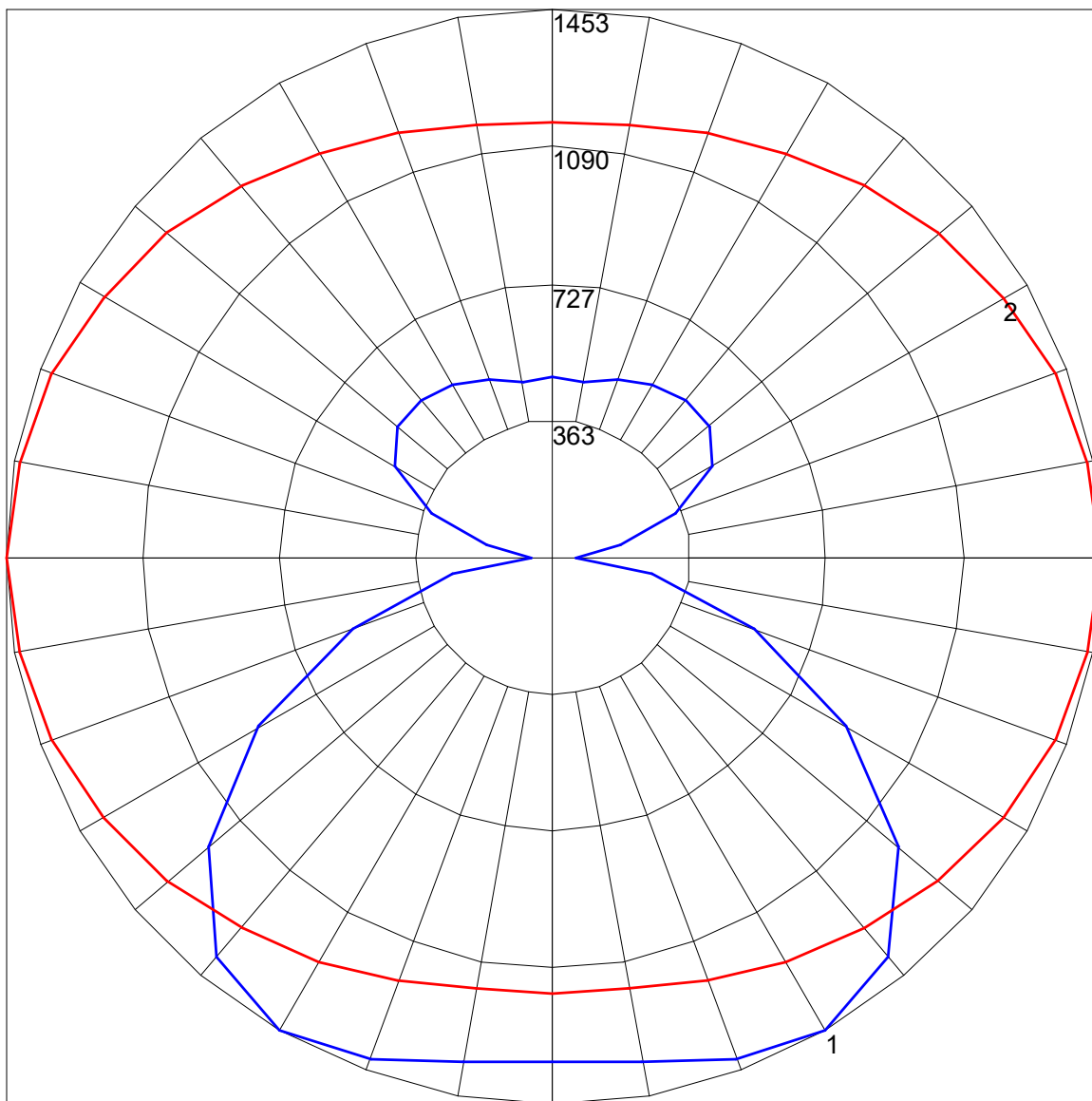
Reflectances

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	14.7	15.9	15.5	16.6	17.6	12.9	14.0	13.6	14.8	15.7
	3H	16.6	17.6	17.4	18.4	19.4	14.6	15.6	15.4	16.4	17.4
	4H	17.3	18.3	18.1	19.1	20.1	15.3	16.2	16.0	17.0	18.0
	6H	17.9	18.8	18.7	19.6	20.6	15.7	16.6	16.5	17.5	18.5
	8H	18.2	19.0	19.0	19.9	20.9	16.0	16.8	16.8	17.6	18.6
	12H	18.4	19.2	19.2	20.0	21.1	16.2	17.0	17.0	17.8	18.8
4H	2H	15.2	16.2	16.0	17.0	18.0	13.8	14.7	14.6	15.5	16.5
	3H	17.3	18.2	18.1	19.0	20.0	15.7	16.5	16.5	17.4	18.4
	4H	18.2	19.0	19.1	19.8	20.9	16.5	17.3	17.3	18.1	19.1
	6H	19.0	19.6	19.8	20.5	21.5	17.1	17.8	18.0	18.7	19.7
	8H	19.3	19.9	20.2	20.8	21.8	17.4	18.0	18.3	18.9	19.9
	12H	19.6	20.2	20.5	21.0	22.1	17.7	18.2	18.5	19.1	20.2
8H	4H	18.5	19.1	19.4	20.0	21.0	17.0	17.6	17.9	18.5	19.6
	6H	19.4	19.9	20.3	20.8	21.9	17.8	18.3	18.7	19.2	20.3
	8H	19.9	20.3	20.7	21.2	22.3	18.2	18.7	19.1	19.6	20.6
	12H	20.3	20.7	21.2	21.6	22.7	18.6	19.0	19.5	19.9	21.0
12H	4H	18.5	19.1	19.4	19.9	21.0	17.1	17.7	18.0	18.5	19.6
	6H	19.5	20.0	20.4	20.8	21.9	18.0	18.4	18.9	19.3	20.4
	8H	20.0	20.4	20.9	21.3	22.4	18.5	18.8	19.3	19.7	20.9

Maximum UGR = 22.7

POLAR GRAPH



Maximum Candela = 1453.144 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.)