



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-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-4-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\_SOURCE TYPE] LED  
[\_SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3428
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	41
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)	4.00 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	3283	2901	2347
55	3283	2921	2272
65	3117	2838	2127
75	2903	2701	1922
85	3406	3252	2387

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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>	670.552	670.552	670.552	670.552	670.552	670.552	670.552	670.552	670.552	670.552
<b>10</b>	683.060	682.452	678.911	675.047	671.672	666.522	663.223	661.082	658.355	658.555
<b>20</b>	711.093	707.685	699.034	688.640	675.213	661.734	648.897	638.590	631.391	630.354
<b>30</b>	726.759	721.320	709.924	691.710	669.354	644.757	620.417	599.775	583.719	578.986
<b>40</b>	695.683	691.199	677.099	657.618	630.698	599.862	565.260	537.622	518.353	508.824
<b>50</b>	599.544	595.622	585.897	569.218	545.161	513.473	482.279	452.494	427.786	417.152
<b>60</b>	451.093	449.496	443.543	432.868	417.377	393.395	368.394	342.957	321.517	309.890
<b>70</b>	283.769	284.341	282.094	279.630	270.500	256.900	236.172	221.311	206.024	191.591
<b>80</b>	135.442	137.027	136.715	134.256	129.915	122.769	113.924	103.865	94.463	85.946
<b>90</b>	30.185	30.915	31.637	31.870	31.950	31.668	31.243	30.764	30.407	30.142
<b>100</b>	89.786	91.307	96.749	98.825	91.768	76.888	67.709	61.156	54.407	51.519
<b>110</b>	173.238	182.591	170.630	167.121	163.750	151.483	141.758	123.588	102.957	99.299
<b>120</b>	243.066	230.154	219.319	209.416	202.150	186.584	171.926	155.307	139.949	135.333
<b>130</b>	272.157	198.079	250.305	230.811	216.866	203.851	194.986	179.818	168.590	164.593
<b>140</b>	273.602	213.972	249.597	236.256	211.443	228.135	213.085	199.188	192.117	190.552
<b>150</b>	265.224	250.700	199.824	246.511	251.900	217.897	206.748	208.251	209.097	210.175
<b>160</b>	252.215	259.271	224.248	204.260	213.971	230.706	234.993	231.998	226.785	223.921
<b>170</b>	237.553	244.805	242.265	232.322	219.474	210.886	206.782	205.713	205.735	206.427
<b>180</b>	239.667	239.667	239.667	239.667	239.667	239.667	239.667	239.667	239.667	239.667

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	253.74	N.A.	7.40
0-30	560.15	N.A.	16.30
0-40	957.09	N.A.	27.90
0-60	1804.45	N.A.	52.60
0-80	2323.03	N.A.	67.80
0-90	2405.73	N.A.	70.20
10-90	2341.75	N.A.	68.30
20-40	703.36	N.A.	20.50
20-50	1140.5	N.A.	33.30
40-70	1168.56	N.A.	34.10
60-80	518.58	N.A.	15.10
70-80	197.38	N.A.	5.80
80-90	82.69	N.A.	2.40
90-110	180.47	N.A.	5.30
90-120	348.35	N.A.	10.20
90-130	526.07	N.A.	15.30
90-150	830.93	N.A.	24.20
90-180	1022.02	N.A.	29.80
110-180	841.55	N.A.	24.60
0-180	3427.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	63.97
10-20	189.76
20-30	306.41
30-40	396.95
40-50	437.14
50-60	410.22
60-70	321.20
70-80	197.38
80-90	82.69
90-100	60.01
100-110	120.46
110-120	167.87
120-130	177.72
130-140	165.11
140-150	139.76
150-160	105.25
160-170	63.85
170-180	21.99

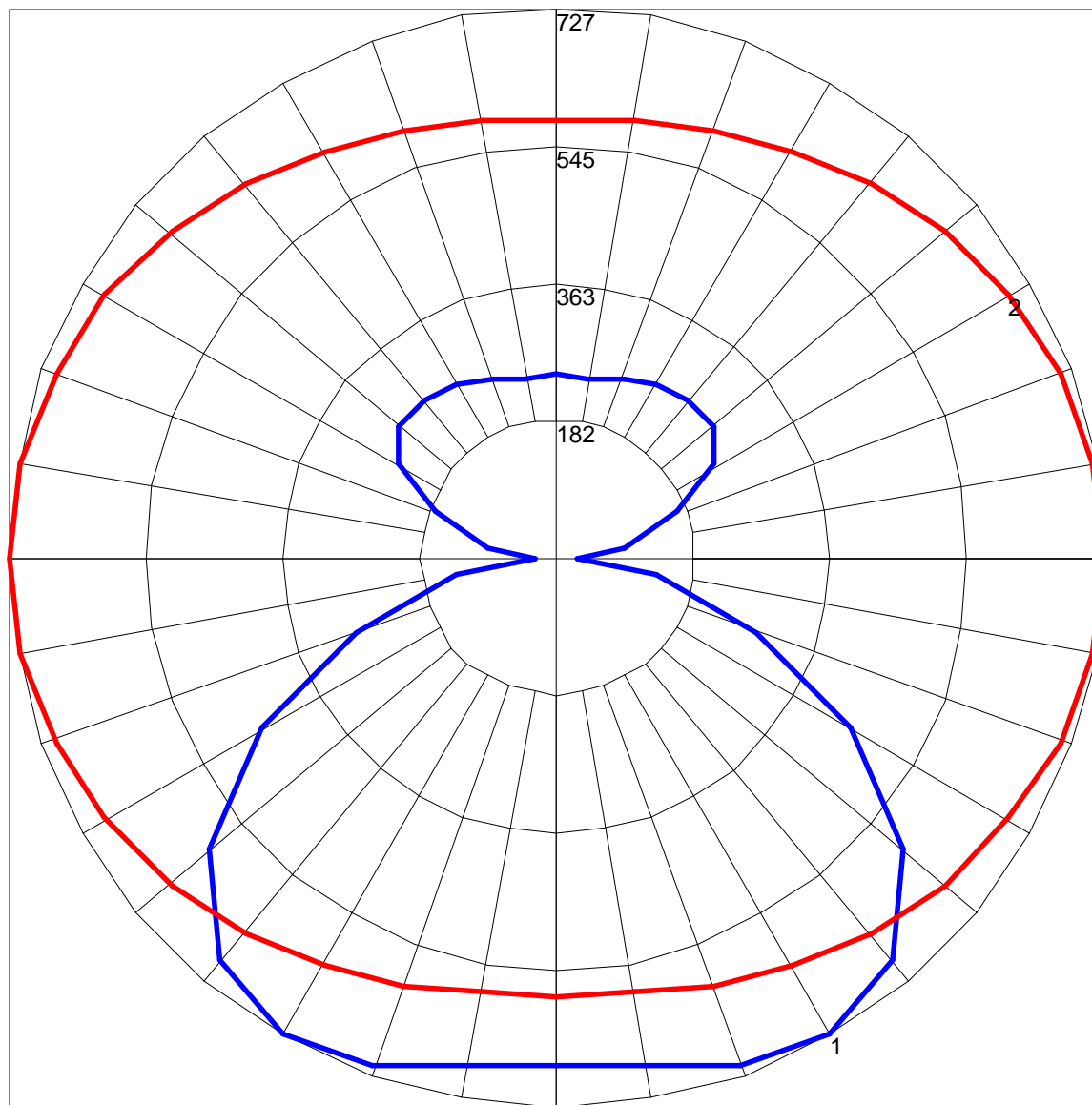
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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

POLAR GRAPH



Maximum Candela = 726.759 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.)