



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-3070-FL-HO-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L450 HO NW 30 70  
[TESTLAB] Dekko  
[ISSUE DATE] 6/29/2017  
[TEST DATE] 04-05-2017  
[LUMCAT] CURV-4-LED-3070-FL-HO-40  
[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	4387
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	48.5
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	4202	3714	3004
55	4202	3739	2908
65	3989	3632	2722
75	3716	3457	2460
85	4360	4163	3056

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-3070-FL-HO-40.IES**

**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>	858.296	858.296	858.296	858.296	858.296	858.296	858.296	858.296	858.296	858.296
<b>10</b>	874.305	873.528	868.995	864.049	859.729	853.137	848.914	846.174	842.683	842.939
<b>20</b>	910.187	905.825	894.752	881.448	864.261	847.009	830.577	817.385	808.170	806.843
<b>30</b>	930.240	923.278	908.691	885.378	856.762	825.278	794.124	767.702	747.151	741.092
<b>40</b>	890.463	884.723	866.676	841.740	807.283	767.813	723.523	688.147	663.483	651.287
<b>50</b>	767.406	762.387	749.939	728.590	697.797	657.237	617.309	579.185	547.559	533.948
<b>60</b>	577.392	575.348	567.728	554.064	534.236	503.539	471.538	438.979	411.537	396.654
<b>70</b>	363.220	363.952	361.076	357.922	346.236	328.828	302.296	283.275	263.707	245.233
<b>80</b>	173.364	175.392	174.993	171.846	166.289	157.142	145.821	132.946	120.911	110.010
<b>90</b>	38.636	39.571	40.495	40.793	40.896	40.535	39.991	39.377	38.920	38.581
<b>100</b>	114.925	116.872	123.837	126.494	117.462	98.416	86.666	78.279	69.640	65.943
<b>110</b>	221.742	233.714	218.403	213.912	209.597	193.896	181.448	158.191	131.783	127.101
<b>120</b>	311.121	294.593	280.725	268.049	258.749	238.824	220.062	198.791	179.132	173.224
<b>130</b>	348.357	253.538	320.386	295.434	277.585	260.926	249.579	230.164	215.792	210.676
<b>140</b>	350.206	273.881	319.480	302.404	270.643	292.009	272.745	254.957	245.907	243.903
<b>150</b>	339.483	320.892	255.772	315.530	322.428	278.905	264.634	266.558	267.641	269.020
<b>160</b>	322.831	331.862	287.034	261.449	273.880	295.300	300.787	296.953	290.281	286.615
<b>170</b>	304.064	313.346	310.095	297.368	280.923	269.930	264.677	263.309	263.337	264.223
<b>180</b>	306.770	306.770	306.770	306.770	306.770	306.770	306.770	306.770	306.770	306.770

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-3070-FL-HO-40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	324.78	N.A.	7.40
0-30	716.98	N.A.	16.30
0-40	1225.06	N.A.	27.90
0-60	2309.67	N.A.	52.60
0-80	2973.44	N.A.	67.80
0-90	3079.29	N.A.	70.20
10-90	2997.41	N.A.	68.30
20-40	900.28	N.A.	20.50
20-50	1459.82	N.A.	33.30
40-70	1495.74	N.A.	34.10
60-80	663.77	N.A.	15.10
70-80	252.64	N.A.	5.80
80-90	105.85	N.A.	2.40
90-110	231.00	N.A.	5.30
90-120	445.88	N.A.	10.20
90-130	673.36	N.A.	15.30
90-150	1063.58	N.A.	24.20
90-180	1308.17	N.A.	29.80
110-180	1077.17	N.A.	24.60
0-180	4387.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	81.88
10-20	242.90
20-30	392.20
30-40	508.08
40-50	559.53
50-60	525.07
60-70	411.14
70-80	252.64
80-90	105.85
90-100	76.82
100-110	154.19
110-120	214.87
120-130	227.48
130-140	211.34
140-150	178.89
150-160	134.72
160-170	81.72
170-180	28.15

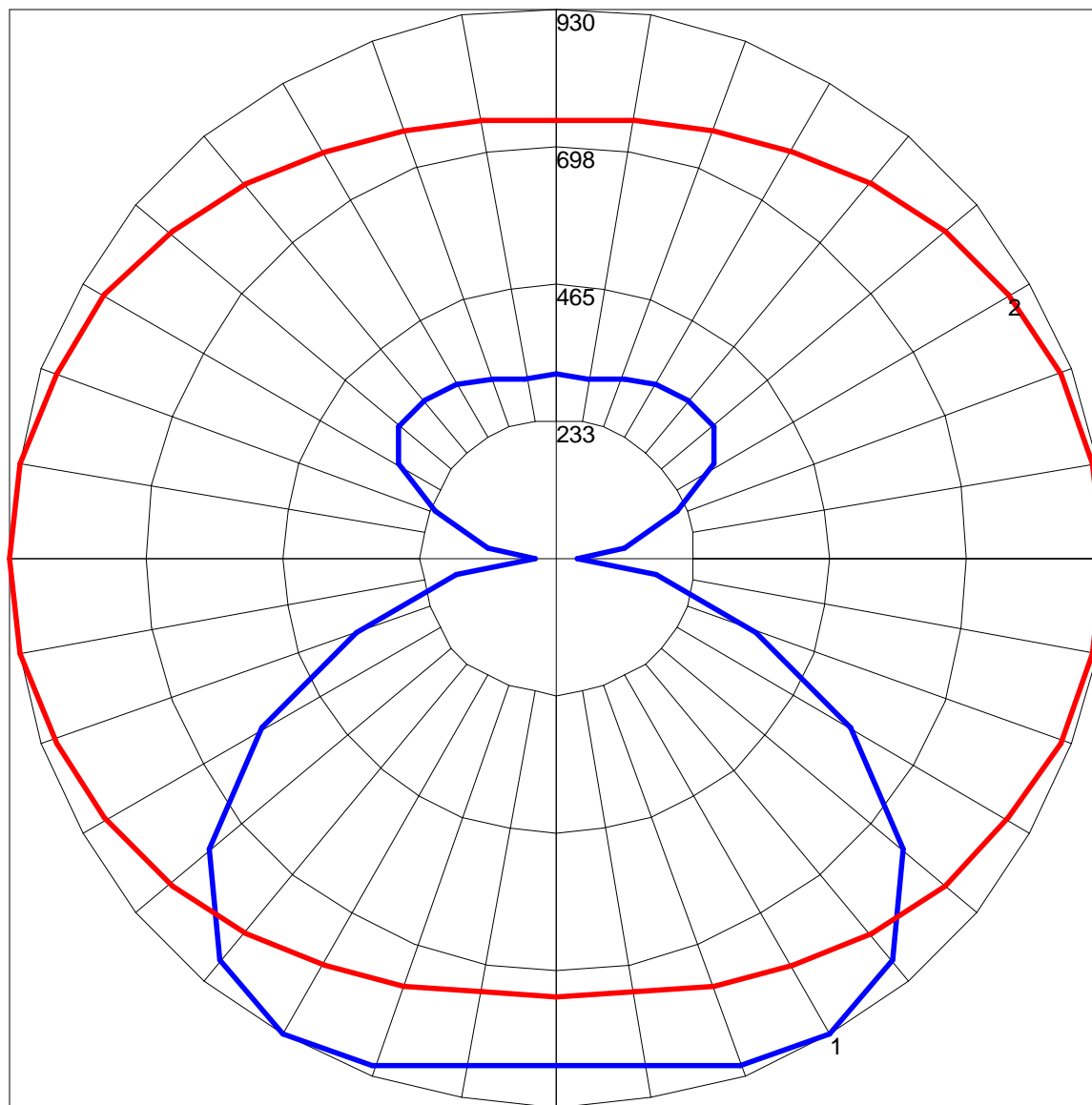
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-3070-FL-HO-40.IES**

**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	97	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	56	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	25	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 = 930.24 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.)