



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-3070-FL-HO-35.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-HO-35  
[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	4243
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	49
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	4064	3591	2905
55	4064	3615	2812
65	3857	3512	2632
75	3593	3343	2379
85	4216	4025	2955

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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>	829.972	829.972	829.972	829.972	829.972	829.972	829.972	829.972	829.972	829.972
<b>10</b>	845.453	844.702	840.318	835.535	831.358	824.983	820.900	818.250	814.874	815.122
<b>20</b>	880.151	875.933	865.225	852.360	835.740	819.058	803.168	790.411	781.500	780.217
<b>30</b>	899.542	892.810	878.704	856.161	828.489	798.044	767.918	742.368	722.495	716.636
<b>40</b>	861.078	855.527	838.076	813.963	780.643	742.475	699.647	665.438	641.588	629.795
<b>50</b>	742.082	737.228	725.191	704.547	674.770	635.548	596.938	560.072	529.490	516.328
<b>60</b>	558.338	556.362	548.993	535.780	516.606	486.922	455.977	424.493	397.956	383.564
<b>70</b>	351.234	351.942	349.160	346.111	334.810	317.977	292.320	273.927	255.005	237.140
<b>80</b>	167.643	169.604	169.218	166.175	160.801	151.956	141.009	128.559	116.921	106.380
<b>90</b>	37.361	38.265	39.159	39.447	39.546	39.197	38.671	38.078	37.636	37.308
<b>100</b>	111.132	113.015	119.750	122.320	113.586	95.168	83.806	75.696	67.342	63.767
<b>110</b>	214.425	226.001	211.196	206.853	202.680	187.497	175.460	152.971	127.434	122.907
<b>120</b>	300.854	284.871	271.461	259.203	250.210	230.943	212.800	192.231	173.221	167.508
<b>130</b>	336.861	245.171	309.813	285.685	268.425	252.315	241.343	222.569	208.671	203.724
<b>140</b>	338.649	264.843	308.937	292.425	261.712	282.373	263.744	246.543	237.792	235.854
<b>150</b>	328.280	310.303	247.332	305.118	311.788	269.701	255.901	257.762	258.809	260.142
<b>160</b>	312.178	320.911	277.562	252.821	264.842	285.555	290.861	287.154	280.702	277.157
<b>170</b>	294.030	303.006	299.862	287.555	271.653	261.022	255.943	254.620	254.647	255.504
<b>180</b>	296.647	296.647	296.647	296.647	296.647	296.647	296.647	296.647	296.647	296.647

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	314.06	N.A.	7.40
0-30	693.32	N.A.	16.30
0-40	1184.63	N.A.	27.90
0-60	2233.45	N.A.	52.60
0-80	2875.32	N.A.	67.80
0-90	2977.67	N.A.	70.20
10-90	2898.49	N.A.	68.30
20-40	870.57	N.A.	20.50
20-50	1411.64	N.A.	33.30
40-70	1446.38	N.A.	34.10
60-80	641.87	N.A.	15.10
70-80	244.30	N.A.	5.80
80-90	102.35	N.A.	2.40
90-110	223.38	N.A.	5.30
90-120	431.16	N.A.	10.20
90-130	651.14	N.A.	15.30
90-150	1028.48	N.A.	24.20
90-180	1265.00	N.A.	29.80
110-180	1041.62	N.A.	24.60
0-180	4242.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	79.18
10-20	234.88
20-30	379.26
30-40	491.32
40-50	541.07
50-60	507.74
60-70	397.57
70-80	244.30
80-90	102.35
90-100	74.28
100-110	149.10
110-120	207.78
120-130	219.97
130-140	204.36
140-150	172.98
150-160	130.27
160-170	79.03
170-180	27.22

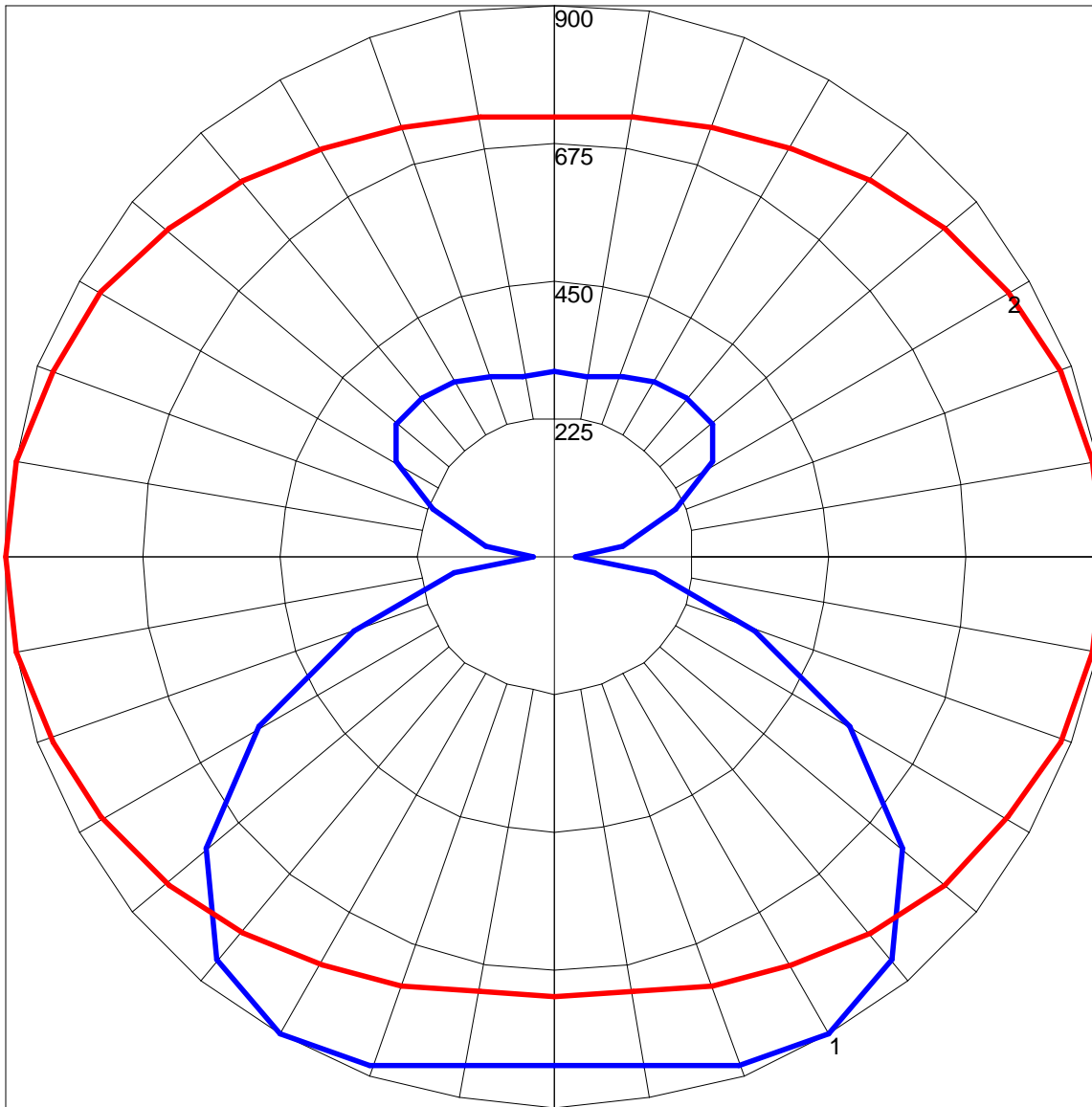
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 899.542 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.)