



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-3070-FL-SS-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-SS-35  
[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	3534
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
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	3385	2991	2420
55	3385	3011	2342
65	3213	2925	2193
75	2993	2785	1981
85	3511	3353	2461

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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>	691.289	691.289	691.289	691.289	691.289	691.289	691.289	691.289	691.289	691.289
<b>10</b>	704.183	703.557	699.906	695.922	692.443	687.134	683.732	681.525	678.714	678.920
<b>20</b>	733.083	729.570	720.651	709.936	696.093	682.198	668.963	658.338	650.916	649.847
<b>30</b>	749.234	743.627	731.878	713.101	690.053	664.695	639.603	618.323	601.770	596.890
<b>40</b>	717.197	712.574	698.038	677.954	650.202	618.412	582.740	554.247	534.382	524.560
<b>50</b>	618.084	614.042	604.016	586.821	562.020	529.352	497.193	466.487	441.015	430.052
<b>60</b>	465.043	463.397	457.259	446.254	430.284	405.560	379.786	353.562	331.460	319.473
<b>70</b>	292.545	293.134	290.818	288.278	278.865	264.845	243.475	228.155	212.395	197.516
<b>80</b>	139.631	141.264	140.943	138.408	133.932	126.565	117.447	107.077	97.384	88.604
<b>90</b>	31.118	31.871	32.615	32.855	32.938	32.648	32.210	31.715	31.347	31.074
<b>100</b>	92.563	94.131	99.741	101.881	94.606	79.266	69.803	63.047	56.089	53.112
<b>110</b>	178.595	188.238	175.906	172.289	168.814	156.168	146.142	127.410	106.141	102.370
<b>120</b>	250.583	237.271	226.102	215.892	208.402	192.354	177.242	160.110	144.276	139.518
<b>130</b>	280.574	204.205	258.045	237.948	223.573	210.155	201.016	185.379	173.803	169.683
<b>140</b>	282.063	220.589	257.316	243.562	217.981	235.190	219.674	205.347	198.058	196.444
<b>150</b>	273.426	258.453	206.004	254.134	259.690	224.636	213.142	214.691	215.563	216.674
<b>160</b>	260.015	267.288	231.183	210.576	220.588	237.841	242.260	239.172	233.798	230.845
<b>170</b>	244.899	252.375	249.757	239.506	226.261	217.407	213.176	212.074	212.097	212.810
<b>180</b>	247.079	247.079	247.079	247.079	247.079	247.079	247.079	247.079	247.079	247.079

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	261.58	N.A.	7.40
0-30	577.47	N.A.	16.30
0-40	986.69	N.A.	27.90
0-60	1860.25	N.A.	52.60
0-80	2394.87	N.A.	67.80
0-90	2480.12	N.A.	70.20
10-90	2414.17	N.A.	68.30
20-40	725.11	N.A.	20.50
20-50	1175.77	N.A.	33.30
40-70	1204.7	N.A.	34.10
60-80	534.62	N.A.	15.10
70-80	203.48	N.A.	5.80
80-90	85.25	N.A.	2.40
90-110	186.06	N.A.	5.30
90-120	359.12	N.A.	10.20
90-130	542.34	N.A.	15.30
90-150	856.63	N.A.	24.20
90-180	1053.63	N.A.	29.80
110-180	867.57	N.A.	24.60
0-180	3533.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	65.95
10-20	195.63
20-30	315.89
30-40	409.22
40-50	450.66
50-60	422.90
60-70	331.14
70-80	203.48
80-90	85.25
90-100	61.87
100-110	124.19
110-120	173.06
120-130	183.22
130-140	170.22
140-150	144.08
150-160	108.50
160-170	65.82
170-180	22.67

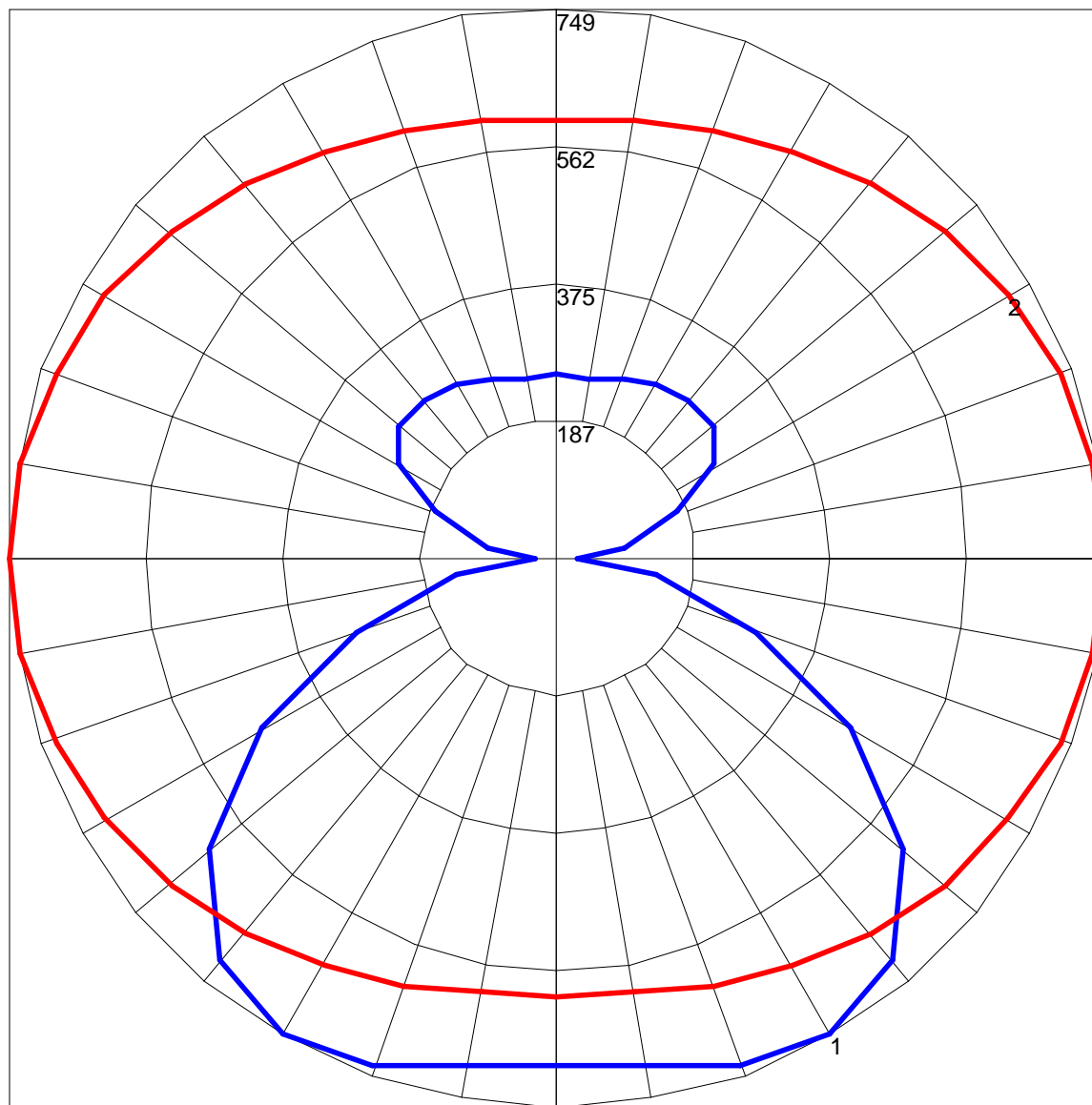
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 749.234 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.)