



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-3070-FL-VHO-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-VHO-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	6258
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	72
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	5993	5296	4285
55	5993	5332	4147
65	5689	5180	3883
75	5300	4931	3509
85	6218	5937	4358

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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>	1224.127	1224.127	1224.127	1224.127	1224.127	1224.127	1224.127	1224.127	1224.127	1224.127
<b>10</b>	1246.960	1245.852	1239.387	1232.333	1226.171	1216.770	1210.747	1206.839	1201.860	1202.225
<b>20</b>	1298.136	1291.915	1276.122	1257.148	1232.635	1208.030	1184.594	1165.779	1152.636	1150.744
<b>30</b>	1326.736	1316.807	1296.002	1262.753	1221.940	1177.036	1132.603	1094.920	1065.609	1056.968
<b>40</b>	1270.005	1261.818	1236.079	1200.515	1151.371	1095.078	1031.910	981.456	946.279	928.885
<b>50</b>	1094.497	1087.339	1069.585	1039.137	995.219	937.371	880.425	826.051	780.945	761.533
<b>60</b>	823.494	820.579	809.711	790.223	761.943	718.162	672.522	626.085	586.946	565.720
<b>70</b>	518.035	519.079	514.977	510.479	493.812	468.984	431.144	404.015	376.107	349.759
<b>80</b>	247.257	250.149	249.580	245.092	237.166	224.121	207.974	189.612	172.447	156.900
<b>90</b>	55.104	56.437	57.755	58.180	58.327	57.812	57.036	56.161	55.509	55.025
<b>100</b>	163.909	166.686	176.620	180.410	167.528	140.364	123.606	111.644	99.323	94.050
<b>110</b>	316.255	333.330	311.493	305.088	298.934	276.540	258.787	225.617	187.953	181.275
<b>120</b>	443.730	420.157	400.378	382.300	369.036	340.618	313.859	283.522	255.483	247.057
<b>130</b>	496.837	361.603	456.944	421.357	395.900	372.140	355.957	328.267	307.769	300.472
<b>140</b>	499.474	390.617	455.652	431.298	385.999	416.472	388.997	363.627	350.720	347.862
<b>150</b>	484.181	457.666	364.790	450.018	459.856	397.783	377.429	380.173	381.718	383.684
<b>160</b>	460.431	473.312	409.376	372.886	390.616	421.166	428.991	423.523	414.007	408.779
<b>170</b>	433.665	446.903	442.267	424.115	400.661	384.982	377.490	375.539	375.579	376.843
<b>180</b>	437.525	437.525	437.525	437.525	437.525	437.525	437.525	437.525	437.525	437.525

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	463.21	N.A.	7.40
0-30	1022.58	N.A.	16.30
0-40	1747.22	N.A.	27.90
0-60	3294.12	N.A.	52.60
0-80	4240.81	N.A.	67.80
0-90	4391.77	N.A.	70.20
10-90	4274.99	N.A.	68.30
20-40	1284.01	N.A.	20.50
20-50	2082.04	N.A.	33.30
40-70	2133.27	N.A.	34.10
60-80	946.70	N.A.	15.10
70-80	360.32	N.A.	5.80
80-90	150.96	N.A.	2.40
90-110	329.47	N.A.	5.30
90-120	635.92	N.A.	10.20
90-130	960.36	N.A.	15.30
90-150	1516.91	N.A.	24.20
90-180	1865.75	N.A.	29.80
110-180	1536.29	N.A.	24.60
0-180	6257.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	116.78
10-20	346.43
20-30	559.37
30-40	724.64
40-50	798.02
50-60	748.87
60-70	586.38
70-80	360.32
80-90	150.96
90-100	109.56
100-110	219.91
110-120	306.46
120-130	324.44
130-140	301.42
140-150	255.13
150-160	192.14
160-170	116.56
170-180	40.15

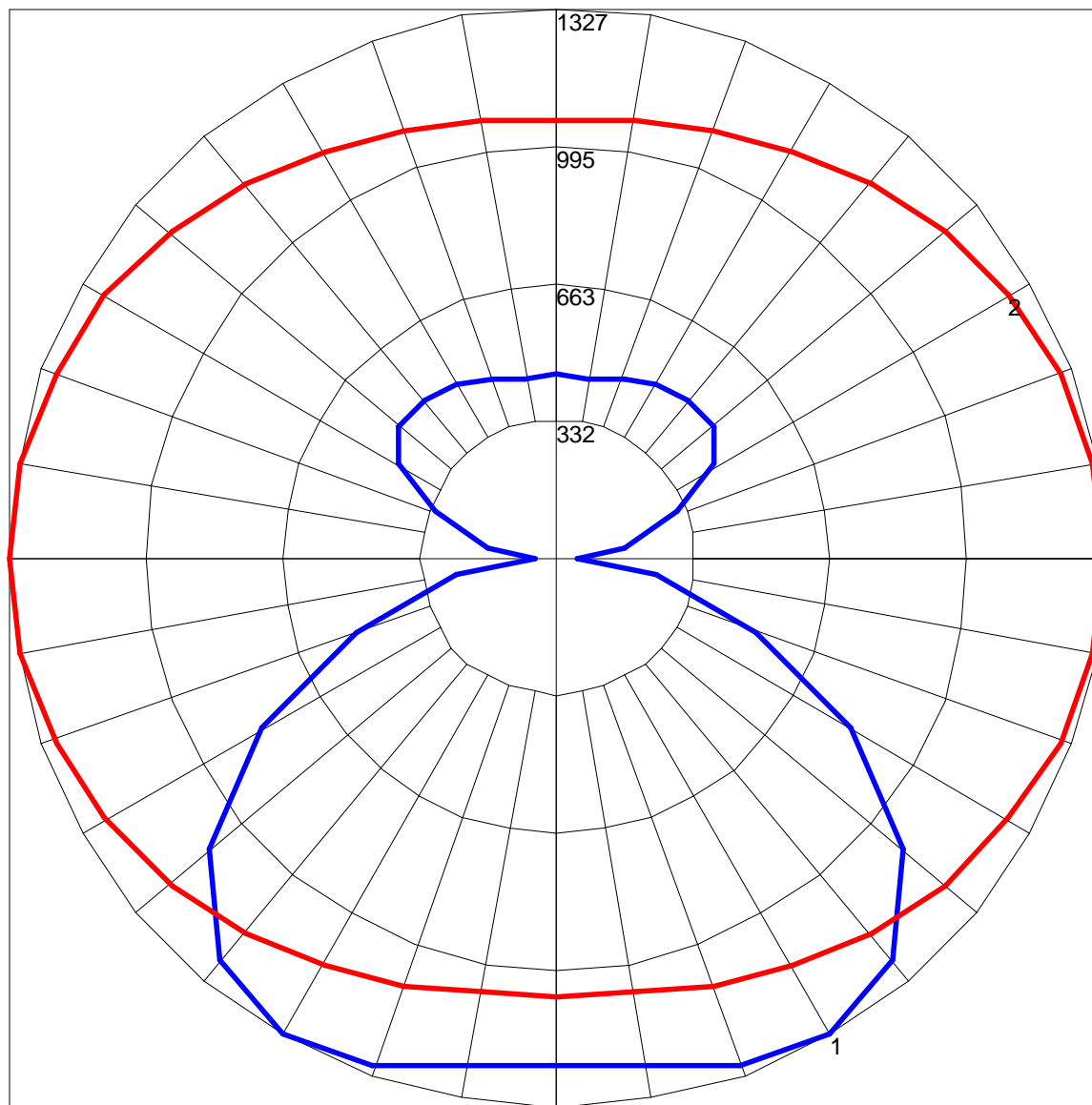
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1326.736 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.)