



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-FL-SS-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L450 VHO NW\_Scaled  
[TESTLAB] Dekko  
[ISSUE DATE] 6/29/2017  
[TEST DATE] 04-3-2017  
[LUMCAT] CURV-4-LED-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\_SOURCETYPE] LED  
[\_SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5012
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	41
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
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	1510	1165	774
55	1608	1280	821
65	1571	1319	851
75	1504	1340	890
85	2097	1992	1488

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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>	165.904	165.904	165.904	165.904	165.904	165.904	165.904	165.904	165.904	165.904
<b>10</b>	181.199	182.019	180.582	178.140	175.278	172.064	169.420	167.526	165.911	166.124
<b>20</b>	221.381	220.832	215.714	207.441	198.080	188.286	179.492	172.950	167.983	167.590
<b>30</b>	275.706	271.724	261.340	246.365	228.435	208.274	191.376	178.047	169.299	166.858
<b>40</b>	306.239	304.121	292.399	270.300	247.413	222.293	197.028	177.709	164.759	160.538
<b>50</b>	289.444	288.115	277.824	260.807	237.198	212.546	185.969	164.996	150.226	144.694
<b>60</b>	225.257	225.532	220.982	210.896	193.961	175.835	154.712	136.745	123.474	118.059
<b>70</b>	145.104	146.384	144.651	140.201	131.462	120.948	108.968	96.752	87.181	82.610
<b>80</b>	72.022	73.598	73.516	72.189	69.447	65.188	60.534	54.832	48.949	45.857
<b>90</b>	29.961	30.062	29.892	29.928	29.694	29.357	28.974	28.375	27.531	26.511
<b>100</b>	289.746	279.783	279.542	272.367	248.908	216.684	183.739	149.885	114.315	95.726
<b>110</b>	903.327	888.113	859.536	805.292	741.569	656.048	556.979	433.427	303.574	238.279
<b>120</b>	1130.666	1112.176	1077.888	1025.046	943.846	846.564	718.794	576.136	444.685	381.178
<b>130</b>	1190.350	1174.802	1136.241	1077.240	999.290	896.919	777.633	659.788	542.358	500.937
<b>140</b>	1136.812	1122.724	1089.537	1037.441	969.324	897.460	808.155	706.818	617.472	591.755
<b>150</b>	1042.560	1031.953	1014.019	989.059	931.835	865.959	799.834	718.919	674.426	657.789
<b>160</b>	932.516	924.291	909.597	886.489	855.757	814.210	769.305	738.306	719.896	706.312
<b>170</b>	804.052	801.363	795.217	785.543	777.359	767.929	760.678	750.465	742.950	740.809
<b>180</b>	754.516	754.516	754.516	754.516	754.516	754.516	754.516	754.516	754.516	754.516

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	68.34	N.A.	1.40
0-30	164.03	N.A.	3.30
0-40	306.62	N.A.	6.10
0-60	663.06	N.A.	13.20
0-80	910.19	N.A.	18.20
0-90	961.06	N.A.	19.20
10-90	944.85	N.A.	18.90
20-40	238.28	N.A.	4.80
20-50	414.86	N.A.	8.30
40-70	505.56	N.A.	10.10
60-80	247.13	N.A.	4.90
70-80	98.01	N.A.	2.00
80-90	50.87	N.A.	1.00
90-110	589.04	N.A.	11.80
90-120	1323.37	N.A.	26.40
90-130	2101.46	N.A.	41.90
90-150	3357.49	N.A.	67.00
90-180	4050.79	N.A.	80.80
110-180	3461.75	N.A.	69.10
0-180	5011.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	16.22
10-20	52.12
20-30	95.69
30-40	142.59
40-50	176.58
50-60	179.86
60-70	149.12
70-80	98.01
80-90	50.87
90-100	133.35
100-110	455.68
110-120	734.34
120-130	778.09
130-140	698.00
140-150	558.03
150-160	393.78
160-170	226.63
170-180	72.89

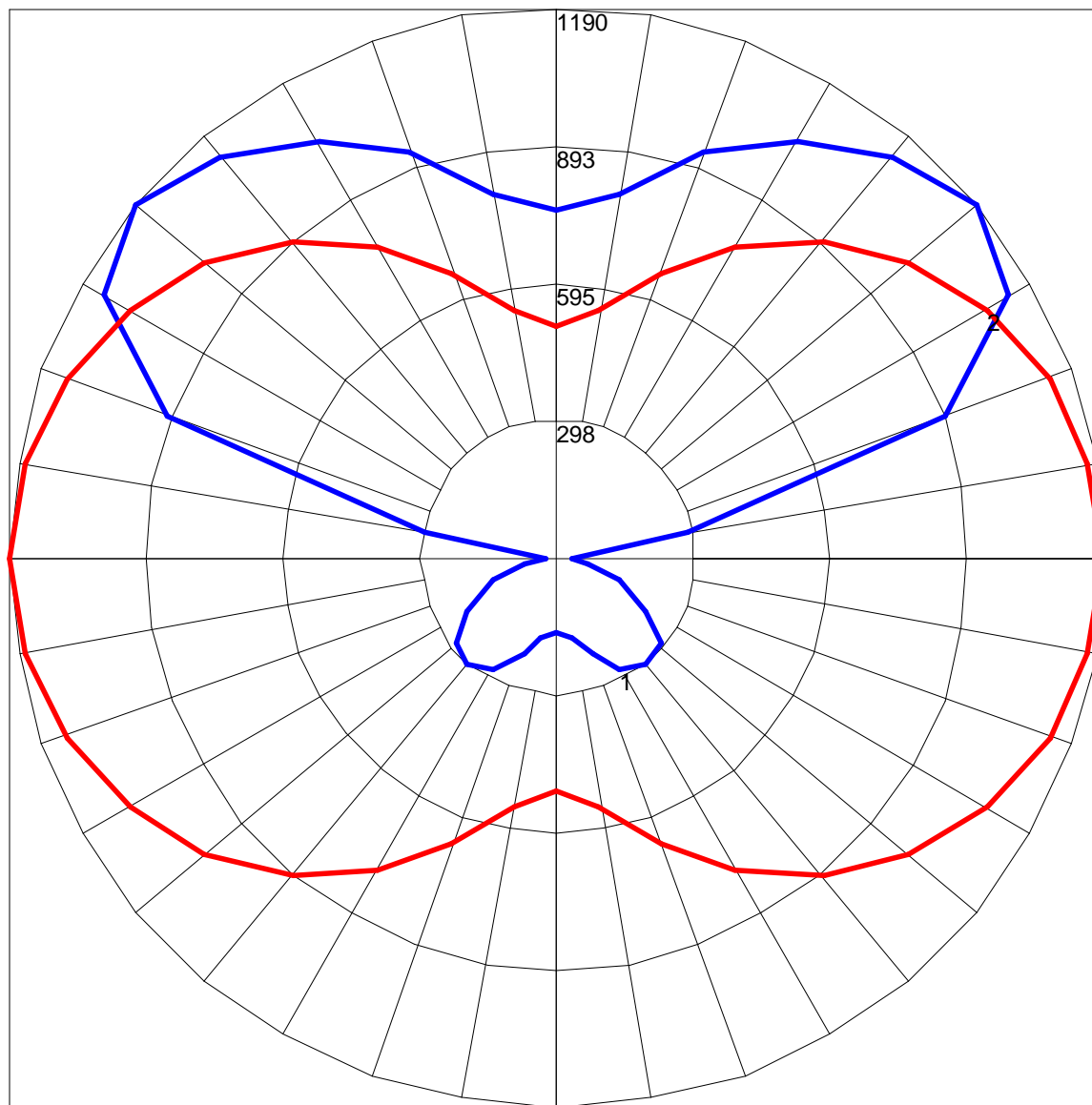
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	90	86	82	79	79	76	73	70	57	55	53	40	38	37	24	23	22	15
2	82	75	69	63	72	66	61	57	49	46	43	34	32	30	20	19	18	12
3	74	65	58	52	65	57	51	47	43	39	36	30	27	25	18	16	15	10
4	68	57	49	44	59	51	44	39	38	33	30	26	23	21	16	14	13	8
5	62	51	43	37	54	45	38	33	34	29	25	23	20	18	14	12	11	7
6	57	45	37	32	50	40	33	28	30	25	22	21	18	15	12	11	9	6
7	52	40	33	27	46	36	29	24	27	22	19	19	16	13	11	9	8	5
8	48	36	29	24	42	32	26	21	24	20	16	17	14	12	10	8	7	4
9	45	33	26	21	39	29	23	19	22	18	14	15	12	10	9	7	6	4
10	42	30	23	18	36	27	20	16	20	16	13	14	11	9	8	7	5	3

POLAR GRAPH



Maximum Candela = 1190.35 Located At Horizontal Angle = 0, Vertical Angle = 130  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)