



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-FL-SS-35.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-8-LED-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\_SOURCETYPE] LED  
 [SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10334
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	82
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)	8.00 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	1556	1203	796
55	1656	1320	846
65	1619	1360	878
75	1551	1381	920
85	2153	2054	1540

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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>	341.519	341.519	341.519	341.519	341.519	341.519	341.519	341.519	341.519	341.519
<b>10</b>	373.738	375.349	372.127	367.294	360.851	354.407	349.574	344.741	341.519	343.130
<b>20</b>	455.896	455.896	444.619	428.510	409.179	388.237	370.516	356.018	346.352	346.352
<b>30</b>	568.662	560.607	538.054	507.446	470.394	430.121	394.680	367.294	349.574	344.741
<b>40</b>	631.488	626.656	602.492	557.385	510.668	459.118	405.957	365.683	339.908	330.243
<b>50</b>	596.048	594.437	573.495	538.054	489.726	438.176	383.404	339.908	309.300	298.024
<b>60</b>	463.951	465.562	455.896	434.954	399.513	362.461	318.966	281.914	254.529	243.252
<b>70</b>	299.635	301.246	298.024	288.358	270.638	249.696	223.921	199.757	180.425	170.760
<b>80</b>	148.206	151.428	151.428	148.206	143.374	133.708	124.042	112.766	101.489	95.045
<b>90</b>	61.216	61.216	61.216	61.216	61.216	61.216	59.605	57.994	56.383	54.772
<b>100</b>	597.659	576.717	576.717	562.218	513.890	446.230	378.571	309.300	235.197	198.146
<b>110</b>	1862.247	1831.639	1772.034	1660.879	1528.782	1353.190	1148.600	894.072	626.656	491.337
<b>120</b>	2331.030	2292.368	2223.097	2113.553	1946.015	1746.259	1482.065	1187.263	916.625	786.139
<b>130</b>	2455.073	2422.854	2342.307	2221.486	2060.392	1849.359	1602.885	1359.633	1117.992	1032.613
<b>140</b>	2343.918	2314.921	2247.261	2139.328	1999.177	1850.970	1665.712	1457.901	1272.643	1219.482
<b>150</b>	2148.994	2128.052	2091.000	2039.450	1921.851	1784.921	1649.603	1482.065	1390.241	1356.411
<b>160</b>	1923.462	1905.742	1875.134	1828.417	1763.979	1678.599	1586.776	1522.338	1483.676	1456.290
<b>170</b>	1657.657	1652.824	1639.937	1618.995	1602.885	1583.554	1569.056	1548.113	1532.004	1527.171
<b>180</b>	1556.168	1556.168	1556.168	1556.168	1556.168	1556.168	1556.168	1556.168	1556.168	1556.168

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	140.88	N.A.	1.40
0-30	338.24	N.A.	3.30
0-40	632.23	N.A.	6.10
0-60	1367.19	N.A.	13.20
0-80	1876.51	N.A.	18.20
0-90	1981.14	N.A.	19.20
10-90	1947.74	N.A.	18.80
20-40	491.35	N.A.	4.80
20-50	855.44	N.A.	8.30
40-70	1042.38	N.A.	10.10
60-80	509.32	N.A.	4.90
70-80	201.90	N.A.	2.00
80-90	104.63	N.A.	1.00
90-110	1214.62	N.A.	11.80
90-120	2728.83	N.A.	26.40
90-130	4333.08	N.A.	41.90
90-150	6922.91	N.A.	67.00
90-180	8352.47	N.A.	80.80
110-180	7137.85	N.A.	69.10
0-180	10333.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	33.40
10-20	107.48
20-30	197.37
30-40	293.98
40-50	364.09
50-60	370.87
60-70	307.42
70-80	201.90
80-90	104.63
90-100	274.88
100-110	939.74
110-120	1514.21
120-130	1604.25
130-140	1439.19
140-150	1150.63
150-160	811.93
160-170	467.32
170-180	150.32

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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	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

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**UGR TABLE - CORRECTED**

Reflectances

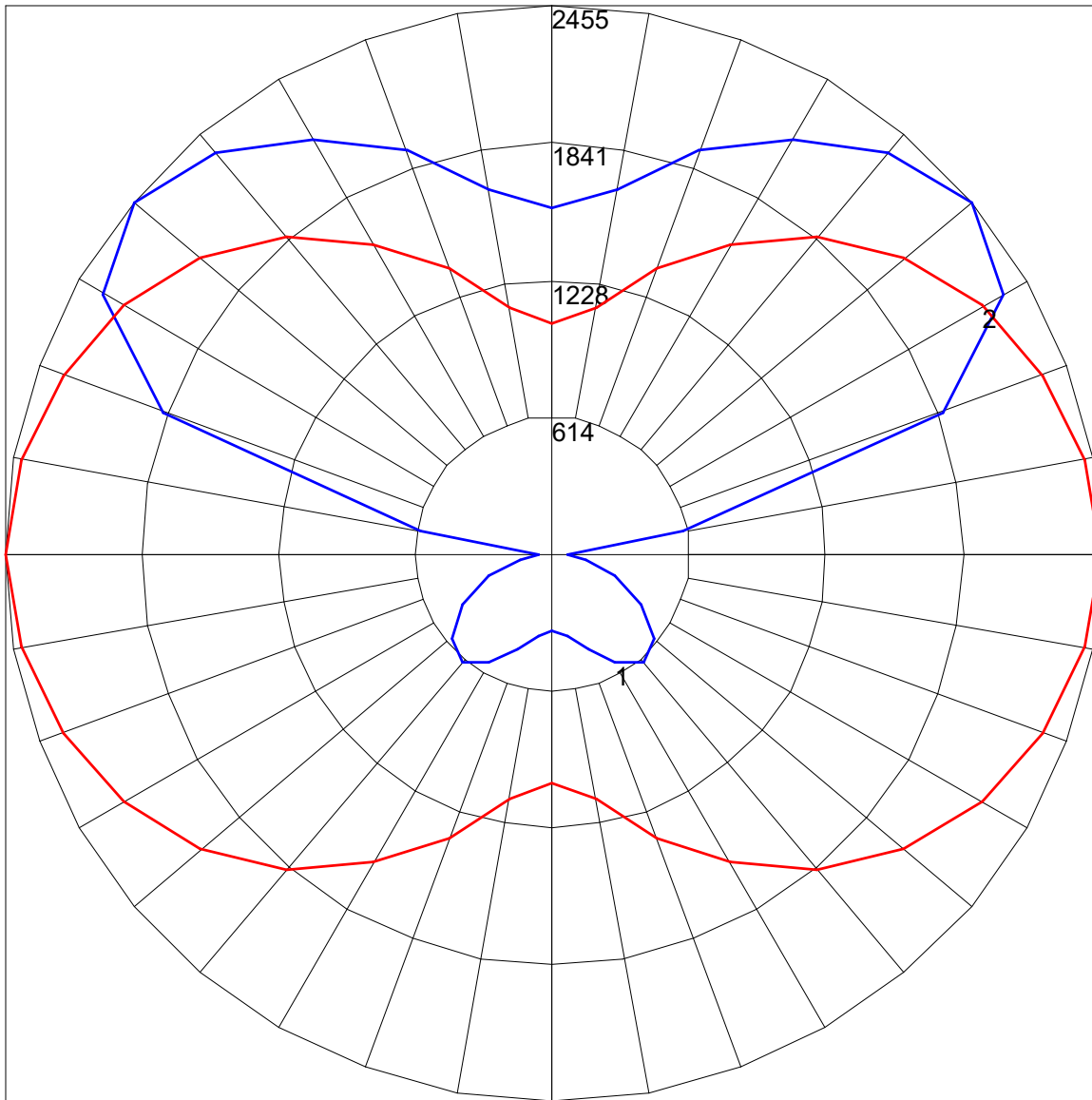
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	8.1	8.1	8.6	9.3	10.9	8.1	8.1	8.1	8.1	8.1
	3H	9.4	10.0	10.6	11.2	12.8	8.1	8.1	8.1	8.1	9.3
	4H	10.2	10.7	11.4	11.9	13.6	8.1	8.1	8.1	8.4	10.1
	6H	10.8	11.3	12.0	12.5	14.2	8.1	8.1	8.6	9.1	10.7
	8H	11.1	11.6	12.3	12.8	14.4	8.1	8.2	8.9	9.4	11.1
	12H	11.4	11.9	12.6	13.0	14.7	8.1	8.6	9.3	9.8	11.5
4H	2H	8.1	8.4	9.0	9.5	11.2	8.1	8.1	8.1	8.1	8.6
	3H	10.0	10.5	11.2	11.7	13.4	8.1	8.1	8.5	9.0	10.6
	4H	11.0	11.4	12.2	12.6	14.3	8.2	8.7	9.4	9.8	11.5
	6H	11.8	12.2	13.0	13.4	15.1	9.0	9.4	10.2	10.6	12.3
	8H	12.2	12.5	13.4	13.7	15.4	9.4	9.8	10.6	11.0	12.7
	12H	12.6	12.9	13.8	14.1	15.8	9.9	10.2	11.1	11.4	13.1
8H	4H	11.2	11.6	12.4	12.8	14.5	8.9	9.2	10.1	10.4	12.1
	6H	12.2	12.5	13.5	13.8	15.5	9.9	10.2	11.2	11.5	13.2
	8H	12.8	13.0	14.0	14.2	16.0	10.5	10.7	11.7	11.9	13.7
	12H	13.3	13.6	14.6	14.8	16.5	11.1	11.3	12.3	12.5	14.3
12H	4H	11.2	11.5	12.4	12.7	14.4	9.0	9.3	10.2	10.5	12.2
	6H	12.3	12.5	13.5	13.8	15.5	10.1	10.4	11.4	11.6	13.3
	8H	12.9	13.1	14.1	14.3	16.1	10.8	11.0	12.0	12.2	14.0

Maximum UGR = 16.5

POLAR GRAPH



Maximum Candela = 2455.073 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.)