



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-5050-FB-SS-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L445 HO SS 50 50  
[TESTLAB] Dekko  
[TESTDATE] 03-31-2017  
[ISSUE DATE] 9/2/2020  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] CURV-4-LED-5050-FB-SS-40  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2158
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	40.6
Ballast Factor	1.00
CIE Type	General Diffuse
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	1693	1457	1278
55	1383	999	684
65	927	460	212
75	407	132	72
85	100	152	103

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-5050-FB-SS-40.IES**

**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>	583.260	583.260	583.260	583.260	583.260	583.260	583.260	583.260	583.260	583.260
<b>10</b>	575.111	574.778	574.056	572.176	570.817	568.787	566.061	563.523	561.268	559.314
<b>20</b>	539.215	538.829	537.528	533.212	527.281	520.236	514.925	510.835	507.061	504.252
<b>30</b>	475.268	474.029	468.010	458.048	450.835	446.720	442.149	437.846	432.730	429.639
<b>40</b>	387.691	385.182	372.556	359.769	351.434	345.996	342.514	338.983	332.428	327.082
<b>50</b>	280.117	275.409	259.257	244.795	232.284	220.300	206.802	195.779	185.278	177.187
<b>60</b>	162.608	157.903	141.211	122.540	104.038	82.753	64.006	52.911	46.451	41.586
<b>70</b>	55.967	51.046	40.026	26.070	16.481	13.610	11.548	10.033	8.783	8.349
<b>80</b>	2.811	3.356	3.880	4.061	4.109	4.014	3.751	3.262	2.451	2.083
<b>90</b>	2.043	2.332	2.881	3.449	3.310	3.348	3.150	2.827	2.606	2.937
<b>100</b>	65.130	67.662	65.287	65.848	52.816	47.241	40.391	38.297	34.864	33.674
<b>110</b>	164.782	169.323	167.608	163.156	147.660	135.060	125.584	114.131	101.200	98.068
<b>120</b>	204.309	238.045	232.771	216.622	208.943	193.466	171.010	154.772	150.302	150.950
<b>130</b>	230.525	296.725	223.847	267.957	222.058	211.037	193.585	190.271	190.044	190.723
<b>140</b>	237.948	250.904	257.935	226.707	226.462	222.828	223.315	223.178	223.403	223.478
<b>150</b>	231.542	232.977	237.086	239.399	242.744	245.124	246.533	246.908	246.886	248.270
<b>160</b>	248.116	248.256	251.243	254.268	256.093	257.697	258.861	259.828	260.215	261.299
<b>170</b>	258.421	257.694	258.577	260.385	261.351	262.184	262.625	263.661	263.783	265.665
<b>180</b>	260.663	260.663	260.663	260.663	260.663	260.663	260.663	260.663	260.663	260.663

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-5050-FB-SS-40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	209.79	N.A.	9.70
0-30	435.42	N.A.	20.20
0-40	688.42	N.A.	31.90
0-60	1059.31	N.A.	49.10
0-80	1133.23	N.A.	52.50
0-90	1136.73	N.A.	52.70
10-90	1081.75	N.A.	50.10
20-40	478.62	N.A.	22.20
20-50	703.85	N.A.	32.60
40-70	430.65	N.A.	20.00
60-80	73.93	N.A.	3.40
70-80	14.17	N.A.	0.70
80-90	3.50	N.A.	0.20
90-110	130.50	N.A.	6.00
90-120	295.87	N.A.	13.70
90-130	482.76	N.A.	22.40
90-150	807.58	N.A.	37.40
90-180	1020.95	N.A.	47.30
110-180	890.45	N.A.	41.30
0-180	2157.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	54.98
10-20	154.81
20-30	225.63
30-40	252.99
40-50	225.23
50-60	145.66
60-70	59.76
70-80	14.17
80-90	3.50
90-100	29.59
100-110	100.91
110-120	165.36
120-130	186.89
130-140	176.04
140-150	148.78
150-160	115.17
160-170	73.28
170-180	24.92

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-5050-FB-SS-40.IES**

**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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	100	96	92	89	92	89	86	83	76	74	72	64	63	62	54	53	52	47
2	92	85	79	75	85	79	74	70	68	65	62	58	56	53	49	47	45	41
3	84	76	69	64	78	71	65	60	61	57	53	52	49	46	44	42	40	36
4	78	68	60	55	72	63	57	52	55	50	46	47	44	41	40	37	35	32
5	72	61	53	47	66	57	50	45	50	44	40	43	39	36	36	34	31	28
6	66	55	47	42	61	51	45	40	45	40	36	39	35	32	33	30	28	25
7	61	50	42	37	57	47	40	35	41	36	32	36	32	28	31	28	25	23
8	57	45	38	33	53	43	36	31	38	32	28	33	29	26	28	25	23	20
9	53	42	34	29	50	39	33	28	35	29	26	30	26	23	26	23	21	19
10	50	38	31	27	46	36	30	26	32	27	23	28	24	21	24	21	19	17

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-5050-FB-SS-40.IES**

**UGR TABLE - CORRECTED**

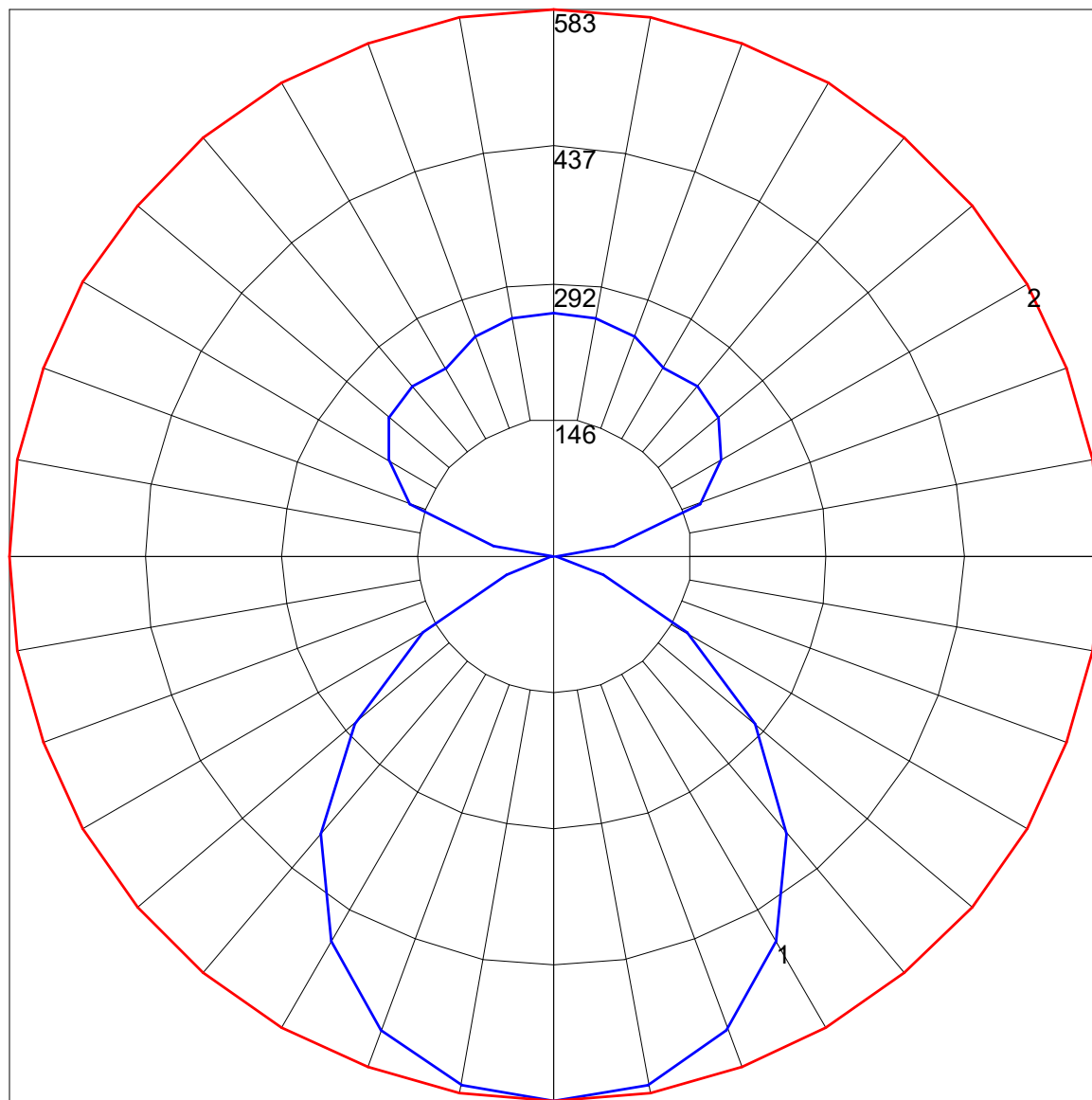
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	9.0	9.8	9.9	10.7	12.0	4.1	4.9	5.0	5.8	7.1
	3H	9.6	10.3	10.6	11.3	12.6	4.1	4.8	5.0	5.8	7.0
	4H	9.7	10.4	10.7	11.4	12.6	4.0	4.7	5.0	5.7	6.9
	6H	9.7	10.3	10.7	11.3	12.6	3.9	4.6	4.9	5.5	6.8
	8H	9.6	10.2	10.6	11.2	12.5	3.9	4.5	4.9	5.5	6.8
	12H	9.6	10.1	10.6	11.1	12.4	3.9	4.4	4.8	5.4	6.7
4H	2H	8.8	9.5	9.8	10.5	11.8	4.4	5.1	5.4	6.1	7.4
	3H	9.5	10.1	10.5	11.1	12.4	4.5	5.0	5.5	6.0	7.3
	4H	9.7	10.2	10.7	11.2	12.5	4.4	4.9	5.4	5.9	7.2
	6H	9.6	10.1	10.6	11.1	12.4	4.4	4.8	5.4	5.8	7.1
	8H	9.6	10.0	10.6	11.0	12.3	4.3	4.7	5.3	5.7	7.1
	12H	9.5	9.9	10.5	10.9	12.2	4.3	4.7	5.3	5.7	7.0
8H	4H	9.5	9.9	10.5	10.9	12.3	4.4	4.8	5.4	5.8	7.1
	6H	9.5	9.8	10.5	10.9	12.2	4.3	4.7	5.4	5.7	7.0
	8H	9.4	9.7	10.5	10.8	12.1	4.3	4.6	5.4	5.6	7.0
	12H	9.4	9.7	10.4	10.7	12.1	4.3	4.6	5.4	5.6	7.0
12H	4H	9.5	9.8	10.5	10.8	12.2	4.3	4.7	5.4	5.7	7.0
	6H	9.4	9.7	10.5	10.8	12.1	4.3	4.6	5.3	5.6	7.0
	8H	9.4	9.6	10.4	10.7	12.1	4.3	4.5	5.3	5.6	6.9

Maximum UGR = 12.6

POLAR GRAPH



Maximum Candela = 583.26 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)