



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-5050-FB-HO-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L445 HO NW 50 50  
[TESTLAB] Dekko  
[TESTDATE] 04-05-2017  
[ISSUE DATE] 9/2/2020  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] CURV-8-LED-5050-FB-HO-35  
[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	5010
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	97
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)	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	1965	1692	1484
55	1606	1160	794
65	1076	534	246
75	473	154	84
85	116	176	120

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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>	1354.171	1354.171	1354.171	1354.171	1354.171	1354.171	1354.171	1354.171	1354.171	1354.171
<b>10</b>	1335.251	1334.479	1332.803	1328.438	1325.281	1320.568	1314.240	1308.347	1303.112	1298.575
<b>20</b>	1251.911	1251.014	1247.995	1237.975	1224.203	1207.847	1195.516	1186.020	1177.259	1170.737
<b>30</b>	1103.444	1100.566	1086.593	1063.462	1046.718	1037.164	1026.550	1016.559	1004.682	997.505
<b>40</b>	900.113	894.287	864.974	835.287	815.933	803.308	795.224	787.026	771.807	759.395
<b>50</b>	650.356	639.425	601.925	568.348	539.300	511.477	480.139	454.546	430.166	411.381
<b>60</b>	377.532	366.609	327.854	284.505	241.547	192.129	148.605	122.846	107.846	96.551
<b>70</b>	129.940	118.516	92.931	60.526	38.264	31.598	26.811	23.293	20.392	19.384
<b>80</b>	6.527	7.792	9.009	9.428	9.540	9.320	8.709	7.574	5.690	4.837
<b>90</b>	4.744	5.415	6.688	8.007	7.686	7.773	7.312	6.564	6.050	6.819
<b>100</b>	151.214	157.093	151.579	152.881	122.625	109.681	93.778	88.916	80.944	78.182
<b>110</b>	382.578	393.122	389.140	378.805	342.827	313.573	291.572	264.981	234.958	227.688
<b>120</b>	474.350	552.675	540.431	502.937	485.109	449.175	397.039	359.339	348.961	350.464
<b>130</b>	535.217	688.916	519.712	622.123	515.558	489.971	449.452	441.758	441.230	442.807
<b>140</b>	552.451	582.530	598.855	526.352	525.783	517.347	518.476	518.159	518.681	518.855
<b>150</b>	537.579	540.909	550.449	555.820	563.585	569.112	572.383	573.253	573.203	576.415
<b>160</b>	576.057	576.384	583.318	590.342	594.579	598.302	601.004	603.249	604.149	606.665
<b>170</b>	599.983	598.295	600.346	604.543	606.787	608.721	609.744	612.150	612.432	616.803
<b>180</b>	605.189	605.189	605.189	605.189	605.189	605.189	605.189	605.189	605.189	605.189

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	487.08	N.A.	9.70
0-30	1010.94	N.A.	20.20
0-40	1598.32	N.A.	31.90
0-60	2459.42	N.A.	49.10
0-80	2631.06	N.A.	52.50
0-90	2639.18	N.A.	52.70
10-90	2511.53	N.A.	50.10
20-40	1111.24	N.A.	22.20
20-50	1634.15	N.A.	32.60
40-70	999.85	N.A.	20.00
60-80	171.64	N.A.	3.40
70-80	32.90	N.A.	0.70
80-90	8.12	N.A.	0.20
90-110	302.99	N.A.	6.00
90-120	686.92	N.A.	13.70
90-130	1120.84	N.A.	22.40
90-150	1874.98	N.A.	37.40
90-180	2370.36	N.A.	47.30
110-180	2067.37	N.A.	41.30
0-180	5009.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	127.65
10-20	359.43
20-30	523.86
30-40	587.38
40-50	522.91
50-60	338.19
60-70	138.74
70-80	32.90
80-90	8.12
90-100	68.70
100-110	234.29
110-120	383.93
120-130	433.92
130-140	408.72
140-150	345.42
150-160	267.39
160-170	170.14
170-180	57.85

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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	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

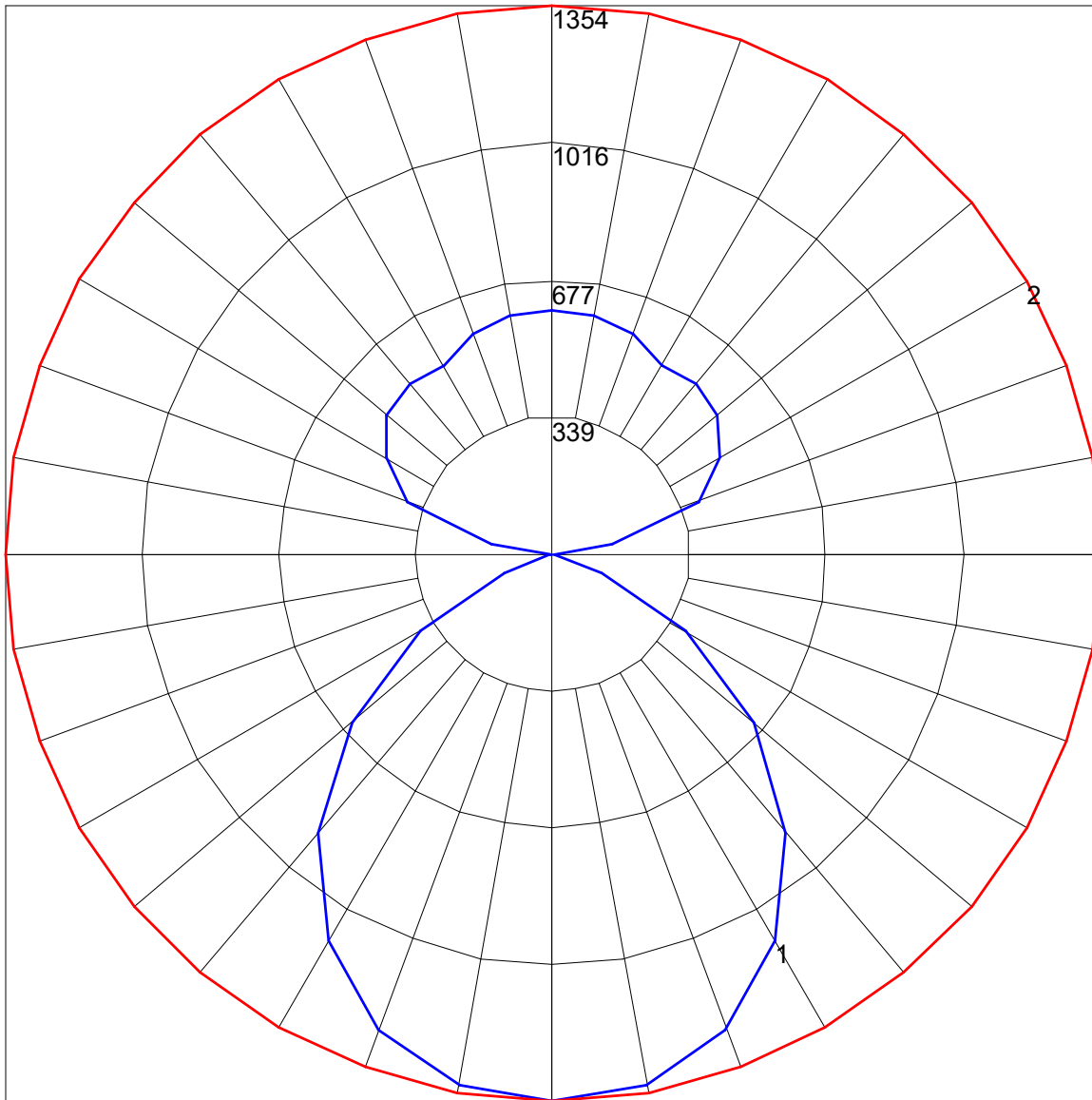
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**UGR TABLE - CORRECTED**

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					UGR Viewed Endwise				
X=2H	Y=2H	9.5	10.3	10.4	11.2	12.5	5.6	5.6	5.6	6.3	7.6
	3H	10.1	10.8	11.1	11.8	13.1	5.6	5.6	5.6	6.3	7.5
	4H	10.2	10.9	11.2	11.9	13.1	5.6	5.6	5.6	6.2	7.4
	6H	10.2	10.8	11.2	11.8	13.0	5.6	5.6	5.6	6.0	7.3
	8H	10.1	10.7	11.1	11.7	13.0	5.6	5.6	5.6	6.0	7.2
	12H	10.1	10.6	11.1	11.6	12.9	5.6	5.6	5.6	5.9	7.2
4H	2H	9.3	10.0	10.3	11.0	12.3	5.6	5.6	5.9	6.6	7.9
	3H	10.0	10.6	11.0	11.6	12.9	5.6	5.6	6.0	6.5	7.8
	4H	10.2	10.7	11.1	11.7	13.0	5.6	5.6	5.9	6.4	7.7
	6H	10.1	10.6	11.1	11.6	12.9	5.6	5.6	5.9	6.3	7.6
	8H	10.1	10.5	11.1	11.5	12.8	5.6	5.6	5.8	6.2	7.5
	12H	10.0	10.4	11.0	11.4	12.7	5.6	5.6	5.8	6.2	7.5
8H	4H	10.0	10.4	11.0	11.4	12.7	5.6	5.6	5.9	6.3	7.6
	6H	10.0	10.3	11.0	11.4	12.7	5.6	5.6	5.9	6.2	7.5
	8H	9.9	10.2	11.0	11.3	12.6	5.6	5.6	5.8	6.1	7.5
	12H	9.9	10.1	10.9	11.2	12.6	5.6	5.6	5.8	6.1	7.5
12H	4H	10.0	10.3	11.0	11.3	12.7	5.6	5.6	5.8	6.2	7.5
	6H	9.9	10.2	11.0	11.2	12.6	5.6	5.6	5.8	6.1	7.5
	8H	9.9	10.1	10.9	11.2	12.5	5.6	5.6	5.8	6.1	7.4

Maximum UGR = 13.1

POLAR GRAPH



Maximum Candela = 1354.171 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.)