



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-6040-FB-HO-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L445 HO NW 60 40  
[TESTLAB] Dekko  
[TESTDATE] 04-10-2017  
[ISSUE DATE] 9/2/2020  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] CURV-8-LED-6040-FB-HO-30  
[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	6275
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
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	1808	1596	1546
55	1477	1129	949
65	987	598	414
75	531	346	281
85	784	780	719

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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>	1253.117	1253.117	1253.117	1253.117	1253.117	1253.117	1253.117	1253.117	1253.117	1253.117
<b>10</b>	1240.854	1233.556	1232.011	1229.425	1226.088	1224.047	1221.413	1217.335	1217.436	1216.526
<b>20</b>	1158.856	1155.837	1150.579	1143.612	1136.239	1126.694	1121.039	1114.213	1110.243	1109.543
<b>30</b>	1013.736	1010.282	997.360	979.587	969.389	964.476	965.649	963.127	961.384	961.504
<b>40</b>	829.941	822.328	797.578	775.647	759.337	755.649	756.565	759.273	757.060	758.259
<b>50</b>	596.555	583.601	552.293	528.306	509.824	493.105	478.121	468.433	462.867	461.222
<b>60</b>	348.917	333.043	299.646	271.196	240.179	202.336	171.633	154.793	149.810	146.471
<b>70</b>	116.706	109.999	95.871	75.554	62.707	58.340	54.807	51.046	49.363	48.768
<b>80</b>	36.576	38.090	38.965	39.441	39.672	38.942	38.235	36.432	33.230	32.408
<b>90</b>	39.696	39.644	39.520	38.749	37.340	35.772	34.595	34.714	37.610	37.533
<b>100</b>	279.466	291.553	284.467	296.410	291.468	273.478	251.575	223.008	206.264	197.021
<b>110</b>	621.072	650.899	637.161	622.194	591.197	556.401	507.227	464.723	396.365	372.714
<b>120</b>	771.777	804.232	792.162	775.540	752.379	701.665	660.331	607.004	522.687	518.810
<b>130</b>	858.461	870.147	877.604	854.124	833.781	803.356	761.450	676.874	636.866	637.296
<b>140</b>	895.783	902.069	923.849	912.062	884.979	848.695	779.003	721.187	722.855	724.402
<b>150</b>	900.238	907.977	900.283	902.431	859.763	795.874	773.557	775.332	779.947	782.288
<b>160</b>	775.073	777.208	784.005	788.569	793.886	799.632	803.690	807.922	811.835	812.785
<b>170</b>	789.490	789.066	791.850	796.904	801.650	805.748	809.781	811.636	813.186	814.328
<b>180</b>	800.148	800.148	800.148	800.148	800.148	800.148	800.148	800.148	800.148	800.148

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	452.52	N.A.	7.20
0-30	940.88	N.A.	15.00
0-40	1491.48	N.A.	23.80
0-60	2322.57	N.A.	37.00
0-80	2529.53	N.A.	40.30
0-90	2570.39	N.A.	41.00
10-90	2452.08	N.A.	39.10
20-40	1038.96	N.A.	16.60
20-50	1537.31	N.A.	24.50
40-70	980.58	N.A.	15.60
60-80	206.96	N.A.	3.30
70-80	57.48	N.A.	0.90
80-90	40.86	N.A.	0.70
90-110	591.08	N.A.	9.40
90-120	1207.84	N.A.	19.20
90-130	1871.91	N.A.	29.80
90-150	3023.58	N.A.	48.20
90-180	3704.5	N.A.	59.00
110-180	3113.42	N.A.	49.60
0-180	6274.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	118.30
10-20	334.22
20-30	488.36
30-40	550.60
40-50	498.35
50-60	332.74
60-70	149.49
70-80	57.48
80-90	40.86
90-100	163.24
100-110	427.84
110-120	616.77
120-130	664.07
130-140	626.74
140-150	524.94
150-160	377.93
160-170	226.50
170-180	76.49

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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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	92	89	86	88	84	81	79	70	67	66	56	54	53	43	42	42	36
2	88	82	76	71	80	75	70	66	62	58	55	50	48	46	39	37	36	31
3	81	72	65	60	74	66	60	56	55	51	47	45	42	39	35	33	32	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	32	30	28	24
5	68	58	50	44	62	53	46	41	44	39	36	36	33	30	29	26	25	21
6	63	52	44	39	58	48	41	36	40	35	31	33	29	27	26	24	22	19
7	59	47	39	34	53	43	37	32	37	31	28	30	26	24	24	22	20	17
8	54	43	35	30	50	39	33	28	33	28	25	28	24	21	22	20	18	15
9	51	39	32	27	46	36	30	25	31	26	22	26	22	19	21	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	24	20	17	19	17	15	13

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**UGR TABLE - CORRECTED**

Reflectances

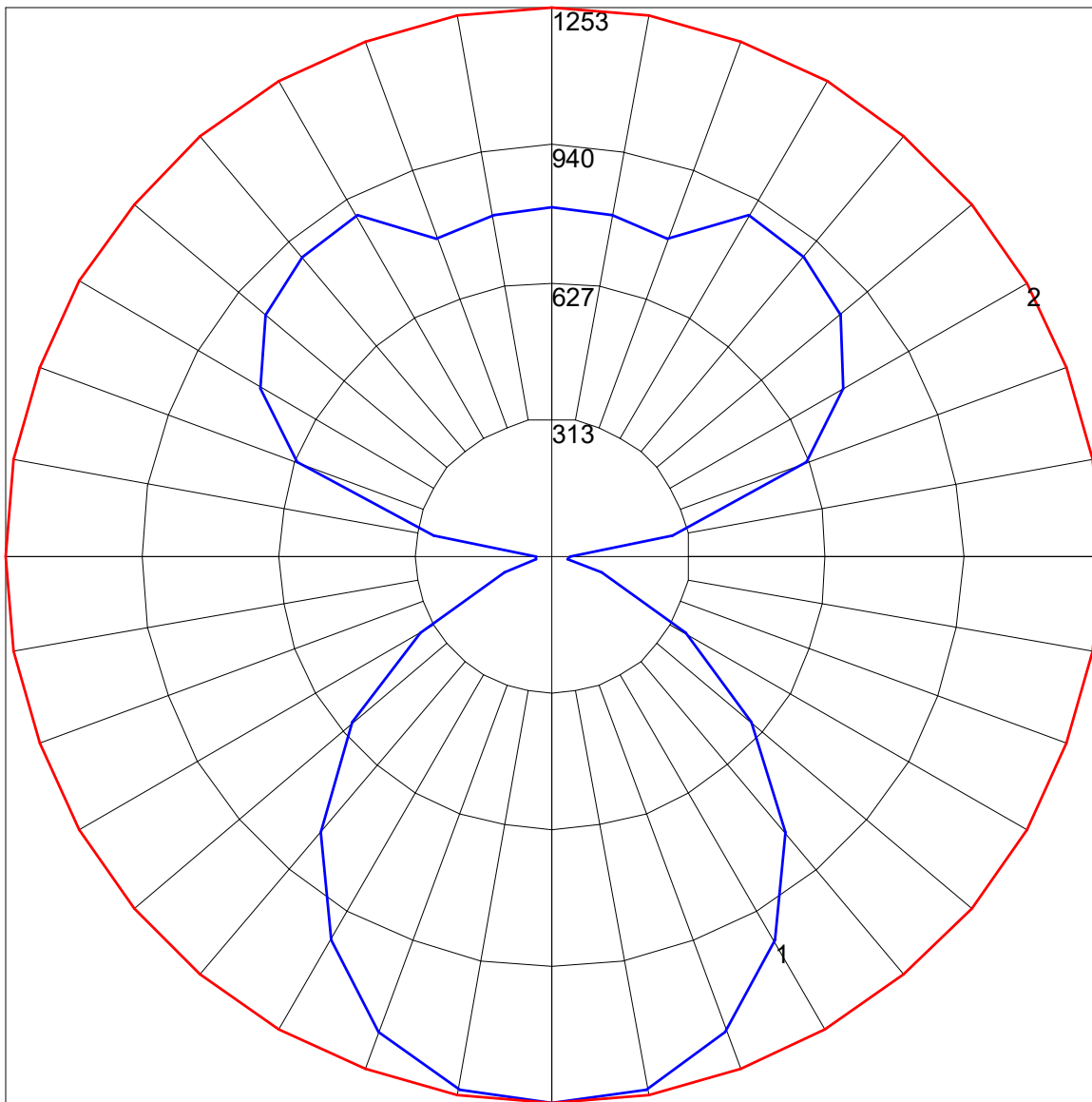
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size      UGR Viewed Crosswise

X=2H	Y=2H	7.7	8.5	8.8	9.5	10.9	UGR Viewed Endwise				
	3H	8.4	9.1	9.5	10.1	11.6	6.4	6.4	6.4	6.4	7.6
	4H	8.6	9.2	9.7	10.3	11.7	6.4	6.4	6.4	6.6	8.0
	6H	8.7	9.3	9.8	10.3	11.8	6.4	6.4	6.4	6.7	8.2
	8H	8.7	9.3	9.8	10.4	11.8	6.4	6.4	6.4	6.9	8.3
	12H	8.8	9.4	9.9	10.4	11.9	6.4	6.4	6.6	7.1	8.6
4H	2H	7.7	8.3	8.8	9.4	10.8	6.4	6.4	6.4	6.5	7.9
	3H	8.4	9.0	9.5	10.0	11.5	6.4	6.4	6.4	6.8	8.2
	4H	8.7	9.2	9.8	10.2	11.7	6.4	6.4	6.5	6.9	8.4
	6H	8.9	9.3	10.0	10.4	11.8	6.4	6.4	6.8	7.2	8.7
	8H	9.0	9.4	10.1	10.5	11.9	6.4	6.4	7.1	7.5	8.9
	12H	9.2	9.5	10.3	10.6	12.1	6.4	6.8	7.5	7.9	9.4
8H	4H	8.6	9.0	9.7	10.1	11.6	6.4	6.4	6.6	7.0	8.4
	6H	8.9	9.2	10.0	10.4	11.8	6.4	6.4	7.1	7.5	8.9
	8H	9.1	9.4	10.2	10.5	12.0	6.5	6.7	7.6	7.8	9.3
	12H	9.5	9.7	10.6	10.9	12.4	7.1	7.4	8.3	8.5	10.0
12H	4H	8.6	8.9	9.7	10.0	11.5	6.4	6.4	6.6	7.0	8.4
	6H	8.9	9.2	10.0	10.3	11.8	6.4	6.4	7.2	7.5	9.0
	8H	9.2	9.4	10.3	10.5	12.1	6.6	6.9	7.8	8.0	9.5

Maximum UGR = 12.4

POLAR GRAPH



Maximum Candela = 1253.117 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.)