



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-6040-FB-SS-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L445 HO SS 60 40  
 [TESTLAB] Dekko  
 [TESTDATE] 04-10-2017  
 [ISSUEDATE] 9/2/2020  
 [MANUFAC] LSI INDUSTRIES, INC.  
 [LUMCAT] CURV-4-LED-6040-FB-SS-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	2694
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
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	1553	1370	1327
55	1269	970	815
65	848	513	356
75	456	297	241
85	673	670	618

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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>	538.060	538.060	538.060	538.060	538.060	538.060	538.060	538.060	538.060	538.060
<b>10</b>	532.794	529.661	528.997	527.887	526.454	525.577	524.446	522.695	522.739	522.348
<b>20</b>	497.586	496.290	494.032	491.040	487.875	483.776	481.348	478.417	476.713	476.412
<b>30</b>	435.275	433.792	428.243	420.612	416.233	414.124	414.627	413.545	412.796	412.848
<b>40</b>	356.357	353.088	342.461	333.045	326.042	324.458	324.851	326.014	325.064	325.579
<b>50</b>	256.147	250.585	237.142	226.842	218.906	211.728	205.294	201.134	198.745	198.038
<b>60</b>	149.817	143.001	128.661	116.445	103.127	86.878	73.695	66.464	64.325	62.891
<b>70</b>	50.111	47.231	41.165	32.441	26.925	25.050	23.533	21.918	21.195	20.940
<b>80</b>	15.705	16.355	16.730	16.935	17.034	16.721	16.417	15.643	14.268	13.915
<b>90</b>	17.045	17.022	16.969	16.638	16.033	15.359	14.854	14.905	16.149	16.116
<b>100</b>	119.996	125.186	122.144	127.272	125.150	117.425	108.021	95.754	88.565	84.596
<b>110</b>	266.674	279.481	273.582	267.156	253.846	238.906	217.792	199.541	170.190	160.035
<b>120</b>	331.383	345.319	340.136	332.999	323.054	301.279	283.531	260.634	224.430	222.765
<b>130</b>	368.603	373.621	376.823	366.741	358.006	344.942	326.949	290.634	273.456	273.640
<b>140</b>	384.628	387.328	396.680	391.619	379.989	364.410	334.486	309.661	310.377	311.042
<b>150</b>	386.541	389.864	386.561	387.483	369.162	341.730	332.148	332.910	334.891	335.896
<b>160</b>	332.798	333.715	336.634	338.593	340.876	343.343	345.086	346.903	348.583	348.991
<b>170</b>	338.989	338.807	340.002	342.172	344.210	345.969	347.701	348.498	349.163	349.654
<b>180</b>	343.565	343.565	343.565	343.565	343.565	343.565	343.565	343.565	343.565	343.565

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	194.30	N.A.	7.20
0-30	403.99	N.A.	15.00
0-40	640.41	N.A.	23.80
0-60	997.26	N.A.	37.00
0-80	1086.12	N.A.	40.30
0-90	1103.66	N.A.	41.00
10-90	1052.87	N.A.	39.10
20-40	446.10	N.A.	16.60
20-50	660.09	N.A.	24.50
40-70	421.04	N.A.	15.60
60-80	88.86	N.A.	3.30
70-80	24.68	N.A.	0.90
80-90	17.54	N.A.	0.70
90-110	253.79	N.A.	9.40
90-120	518.62	N.A.	19.20
90-130	803.75	N.A.	29.80
90-150	1298.26	N.A.	48.20
90-180	1590.63	N.A.	59.00
110-180	1336.83	N.A.	49.60
0-180	2694.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	50.80
10-20	143.51
20-30	209.69
30-40	236.41
40-50	213.98
50-60	142.87
60-70	64.19
70-80	24.68
80-90	17.54
90-100	70.09
100-110	183.70
110-120	264.82
120-130	285.14
130-140	269.11
140-150	225.40
150-160	162.28
160-170	97.25
170-180	32.84

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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	55	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**

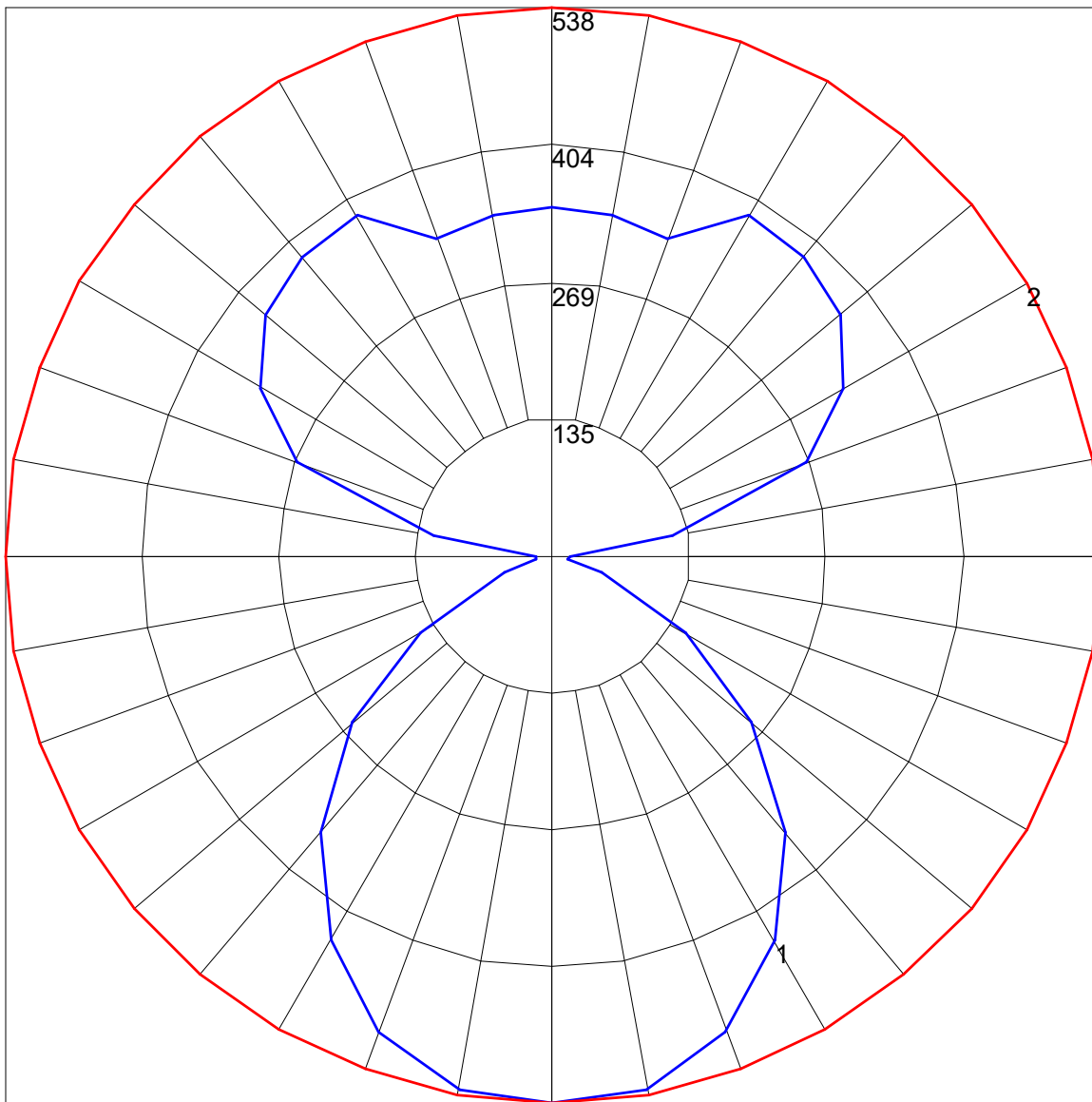
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	7.2	7.9	8.2	8.9	10.3	3.9	4.6	4.9	5.7	7.0
	3H	7.8	8.5	8.9	9.5	11.0	4.2	4.8	5.2	5.9	7.3
	4H	8.0	8.6	9.1	9.7	11.1	4.3	4.9	5.4	6.0	7.4
	6H	8.1	8.7	9.2	9.7	11.2	4.5	5.1	5.6	6.1	7.6
	8H	8.1	8.7	9.2	9.8	11.2	4.7	5.2	5.7	6.3	7.7
	12H	8.3	8.8	9.3	9.8	11.3	5.0	5.5	6.0	6.5	8.0
4H	2H	7.1	7.7	8.2	8.8	10.2	4.2	4.8	5.3	5.9	7.3
	3H	7.8	8.4	8.9	9.4	10.9	4.6	5.1	5.7	6.2	7.6
	4H	8.1	8.6	9.2	9.7	11.1	4.8	5.3	5.9	6.4	7.8
	6H	8.3	8.7	9.4	9.8	11.3	5.1	5.5	6.2	6.6	8.1
	8H	8.4	8.8	9.5	9.9	11.3	5.4	5.8	6.5	6.9	8.3
	12H	8.6	9.0	9.7	10.1	11.5	5.8	6.2	7.0	7.3	8.8
8H	4H	8.0	8.4	9.1	9.5	11.0	4.9	5.3	6.0	6.4	7.9
	6H	8.3	8.6	9.4	9.8	11.2	5.4	5.8	6.6	6.9	8.3
	8H	8.5	8.8	9.6	9.9	11.4	5.9	6.1	7.0	7.3	8.7
	12H	8.9	9.2	10.0	10.3	11.8	6.5	6.8	7.7	7.9	9.4
12H	4H	8.0	8.3	9.1	9.4	10.9	4.9	5.3	6.0	6.4	7.8
	6H	8.3	8.6	9.4	9.7	11.2	5.5	5.8	6.6	6.9	8.4
	8H	8.6	8.8	9.7	9.9	11.5	6.0	6.3	7.2	7.4	8.9

Maximum UGR = 11.8

POLAR GRAPH



Maximum Candela = 538.06 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.)