



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-FB-SS-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L445 HO SS  
 [TESTLAB] Dekko  
 [TESTDATE] 03-31-2017  
 [ISSUE DATE] 9/2/2020  
 [MANUFAC] LSI INDUSTRIES, INC.  
 [LUMCAT] CURV-8-LED-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	9832
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	81.2
Ballast Factor	1.00
CIE Type	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	505	415	334
55	447	309	177
65	367	183	54
75	289	147	29
85	423	357	103

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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>	303.539	303.539	303.539	303.539	303.539	303.539	303.539	303.539	303.539	303.539
<b>10</b>	301.221	302.960	304.140	302.764	301.081	298.376	295.315	293.639	291.728	290.022
<b>20</b>	289.842	291.988	291.232	287.092	281.281	276.153	271.771	267.839	265.349	262.906
<b>30</b>	263.560	267.293	261.224	251.918	245.370	241.149	236.905	232.928	228.832	225.396
<b>40</b>	225.491	228.520	218.889	205.266	197.646	191.540	187.083	182.372	176.818	171.118
<b>50</b>	172.892	173.539	164.026	149.682	138.278	128.022	117.421	108.590	99.608	92.360
<b>60</b>	112.958	110.966	101.356	89.396	72.859	56.994	42.396	31.766	25.565	21.022
<b>70</b>	59.883	57.642	49.034	34.959	24.055	19.074	15.537	11.091	7.385	4.573
<b>80</b>	23.676	25.297	24.575	24.292	22.183	19.627	17.065	12.548	7.832	3.920
<b>90</b>	17.488	17.333	16.582	15.895	14.486	13.066	11.174	9.236	7.110	6.116
<b>100</b>	473.645	457.067	443.083	436.617	405.253	362.612	320.548	271.160	200.595	168.686
<b>110</b>	1821.548	1780.832	1713.113	1611.032	1492.398	1351.499	1170.223	924.465	652.096	518.932
<b>120</b>	2477.955	2450.035	2367.754	2229.761	2068.569	1843.134	1586.000	1307.618	1025.331	901.726
<b>130</b>	2628.610	2575.756	2493.487	2372.747	2224.785	2042.486	1817.841	1570.040	1328.109	1247.449
<b>140</b>	2591.653	2565.402	2513.203	2422.426	2296.080	2138.516	1959.214	1756.872	1560.885	1515.319
<b>150</b>	2517.729	2495.870	2451.616	2379.226	2287.376	2160.187	2014.392	1857.009	1752.860	1733.093
<b>160</b>	2359.391	2342.211	2309.882	2257.203	2187.410	2100.744	2009.519	1936.858	1895.516	1894.414
<b>170</b>	2125.719	2114.419	2101.004	2081.231	2057.760	2036.209	2013.354	1995.721	1991.275	1993.687
<b>180</b>	2032.853	2032.853	2032.853	2032.853	2032.853	2032.853	2032.853	2032.853	2032.853	2032.853

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	110.54	N.A.	1.10
0-30	231.89	N.A.	2.40
0-40	371.37	N.A.	3.80
0-60	590.58	N.A.	6.00
0-80	662.00	N.A.	6.70
0-90	679.21	N.A.	6.90
10-90	650.48	N.A.	6.60
20-40	260.83	N.A.	2.70
20-50	389.83	N.A.	4.00
40-70	266.05	N.A.	2.70
60-80	71.41	N.A.	0.70
70-80	24.58	N.A.	0.30
80-90	17.21	N.A.	0.20
90-110	1088.67	N.A.	11.10
90-120	2656.67	N.A.	27.00
90-130	4397.72	N.A.	44.70
90-150	7370.49	N.A.	75.00
90-180	9152.66	N.A.	93.10
110-180	8063.99	N.A.	82.00
0-180	9831.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	28.73
10-20	81.81
20-30	121.35
30-40	139.48
40-50	129.00
50-60	90.22
60-70	46.83
70-80	24.58
80-90	17.21
90-100	202.14
100-110	886.53
110-120	1568.00
120-130	1741.06
130-140	1618.99
140-150	1353.77
150-160	994.91
160-170	592.40
170-180	194.87

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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	97	97	97	97	84	84	84	84	59	59	59	37	37	37	17	17	17	7
1	88	84	81	77	76	73	70	67	52	50	48	32	32	31	15	14	14	6
2	80	74	68	63	69	64	59	55	45	43	40	29	27	26	13	12	12	5
3	73	65	58	52	63	56	51	46	40	37	34	25	23	22	12	11	10	4
4	67	57	50	44	58	50	44	39	35	32	29	22	20	19	10	9	9	4
5	61	51	43	38	53	44	38	33	32	28	24	20	18	16	9	8	8	3
6	56	45	38	32	48	39	33	29	28	24	21	18	16	14	8	7	7	3
7	52	40	33	28	45	35	29	25	25	21	18	16	14	12	8	7	6	3
8	48	36	29	24	41	32	26	22	23	19	16	15	12	11	7	6	5	2
9	44	33	26	21	38	29	23	19	21	17	14	13	11	9	6	5	5	2
10	41	30	23	19	36	26	21	17	19	15	13	12	10	8	6	5	4	2

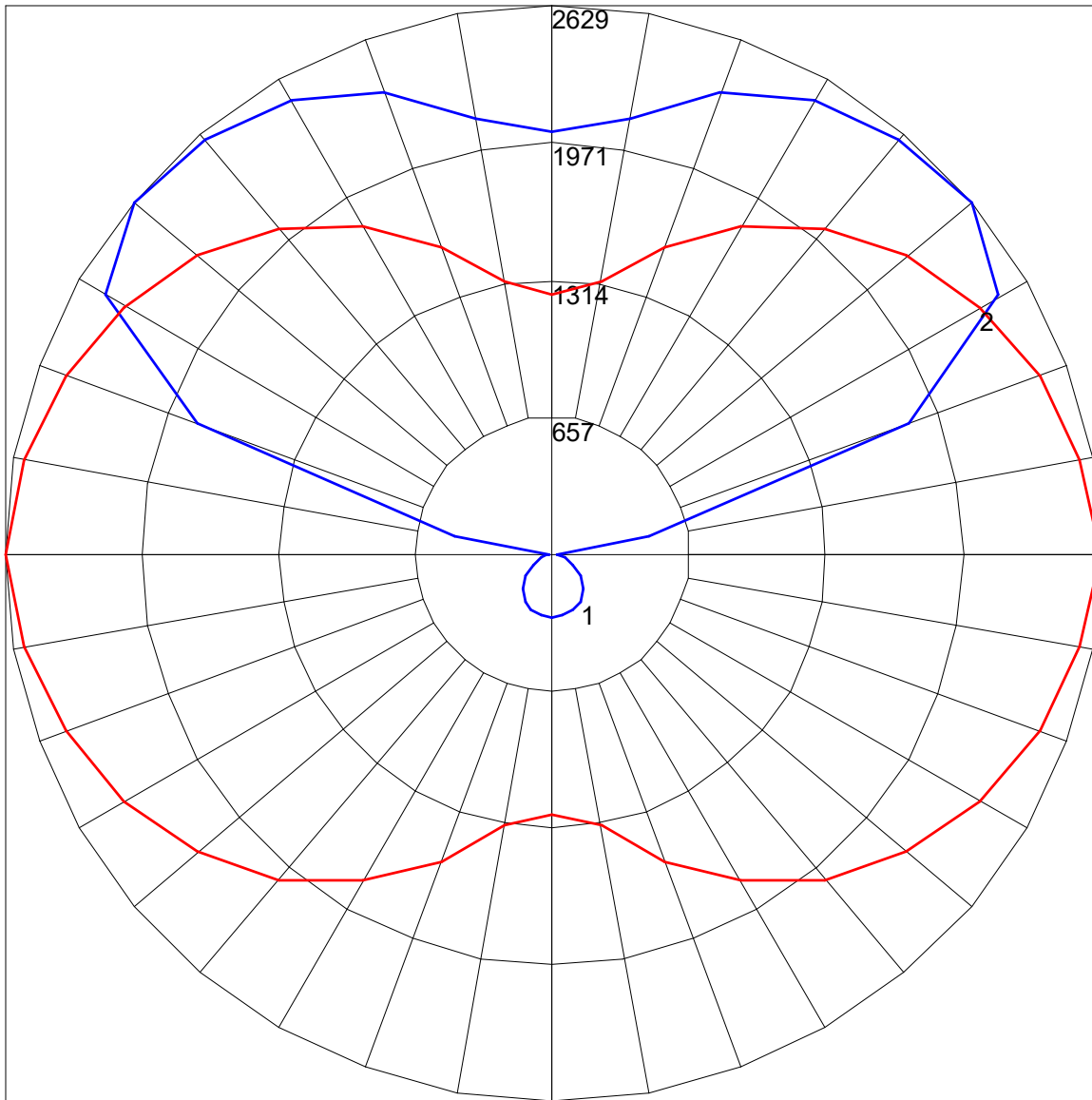
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**UGR TABLE - CORRECTED**

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	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	3H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	4H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	6H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	8H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	12H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
4H	2H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	3H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	4H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	6H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	8H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	12H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
8H	4H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	6H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	8H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	12H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
12H	4H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	6H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	8H	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9

Maximum UGR = 7.9

POLAR GRAPH



Maximum Candela = 2628.61 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.)