



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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L445 HO SS  
[TESTLAB] Dekko  
[TESTDATE] 03-31-2017  
[ISSUEDATE] 9/2/2020  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] CURV-8-LED-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	9507
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
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	488	402	323
55	432	299	171
65	354	177	52
75	280	142	28
85	409	345	100

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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>	293.522	293.522	293.522	293.522	293.522	293.522	293.522	293.522	293.522	293.522
<b>10</b>	291.281	292.963	294.103	292.773	291.146	288.529	285.570	283.949	282.101	280.452
<b>20</b>	280.278	282.353	281.621	277.618	271.999	267.040	262.803	259.001	256.592	254.231
<b>30</b>	254.862	258.472	252.603	243.604	237.273	233.191	229.087	225.242	221.280	217.958
<b>40</b>	218.050	220.979	211.666	198.492	191.124	185.219	180.910	176.354	170.983	165.471
<b>50</b>	167.187	167.812	158.613	144.742	133.715	123.797	113.546	105.006	96.321	89.312
<b>60</b>	109.231	107.304	98.011	86.446	70.455	55.113	40.997	30.717	24.721	20.328
<b>70</b>	57.907	55.740	47.416	33.806	23.262	18.445	15.024	10.725	7.142	4.422
<b>80</b>	22.894	24.462	23.764	23.490	21.451	18.979	16.502	12.134	7.573	3.791
<b>90</b>	16.911	16.761	16.035	15.371	14.008	12.635	10.805	8.932	6.876	5.914
<b>100</b>	458.015	441.984	428.461	422.209	391.879	350.645	309.970	262.212	193.975	163.119
<b>110</b>	1761.437	1722.065	1656.580	1557.868	1443.149	1306.900	1131.606	893.958	630.577	501.808
<b>120</b>	2396.183	2369.183	2289.618	2156.179	2000.306	1782.311	1533.662	1264.467	991.495	871.969
<b>130</b>	2541.866	2490.756	2411.202	2294.447	2151.367	1975.084	1757.852	1518.229	1284.281	1206.283
<b>140</b>	2506.128	2480.743	2430.267	2342.486	2220.309	2067.945	1894.560	1698.895	1509.376	1465.313
<b>150</b>	2434.644	2413.506	2370.712	2300.712	2211.893	2088.901	1947.917	1795.727	1695.016	1675.901
<b>160</b>	2281.531	2264.918	2233.656	2182.716	2115.225	2031.420	1943.205	1872.942	1832.964	1831.898
<b>170</b>	2055.571	2044.643	2031.671	2012.550	1989.854	1969.014	1946.914	1929.863	1925.563	1927.896
<b>180</b>	1965.769	1965.769	1965.769	1965.769	1965.769	1965.769	1965.769	1965.769	1965.769	1965.769

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	106.89	N.A.	1.10
0-30	224.24	N.A.	2.40
0-40	359.11	N.A.	3.80
0-60	571.09	N.A.	6.00
0-80	640.15	N.A.	6.70
0-90	656.79	N.A.	6.90
10-90	629.01	N.A.	6.60
20-40	252.22	N.A.	2.70
20-50	376.96	N.A.	4.00
40-70	257.27	N.A.	2.70
60-80	69.06	N.A.	0.70
70-80	23.77	N.A.	0.30
80-90	16.64	N.A.	0.20
90-110	1052.74	N.A.	11.10
90-120	2569.00	N.A.	27.00
90-130	4252.6	N.A.	44.70
90-150	7127.26	N.A.	75.00
90-180	8850.62	N.A.	93.10
110-180	7797.88	N.A.	82.00
0-180	9507.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	27.78
10-20	79.11
20-30	117.35
30-40	134.88
40-50	124.74
50-60	87.24
60-70	45.29
70-80	23.77
80-90	16.64
90-100	195.47
100-110	857.27
110-120	1516.26
120-130	1683.6
130-140	1565.57
140-150	1309.1
150-160	962.08
160-170	572.85
170-180	188.44

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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

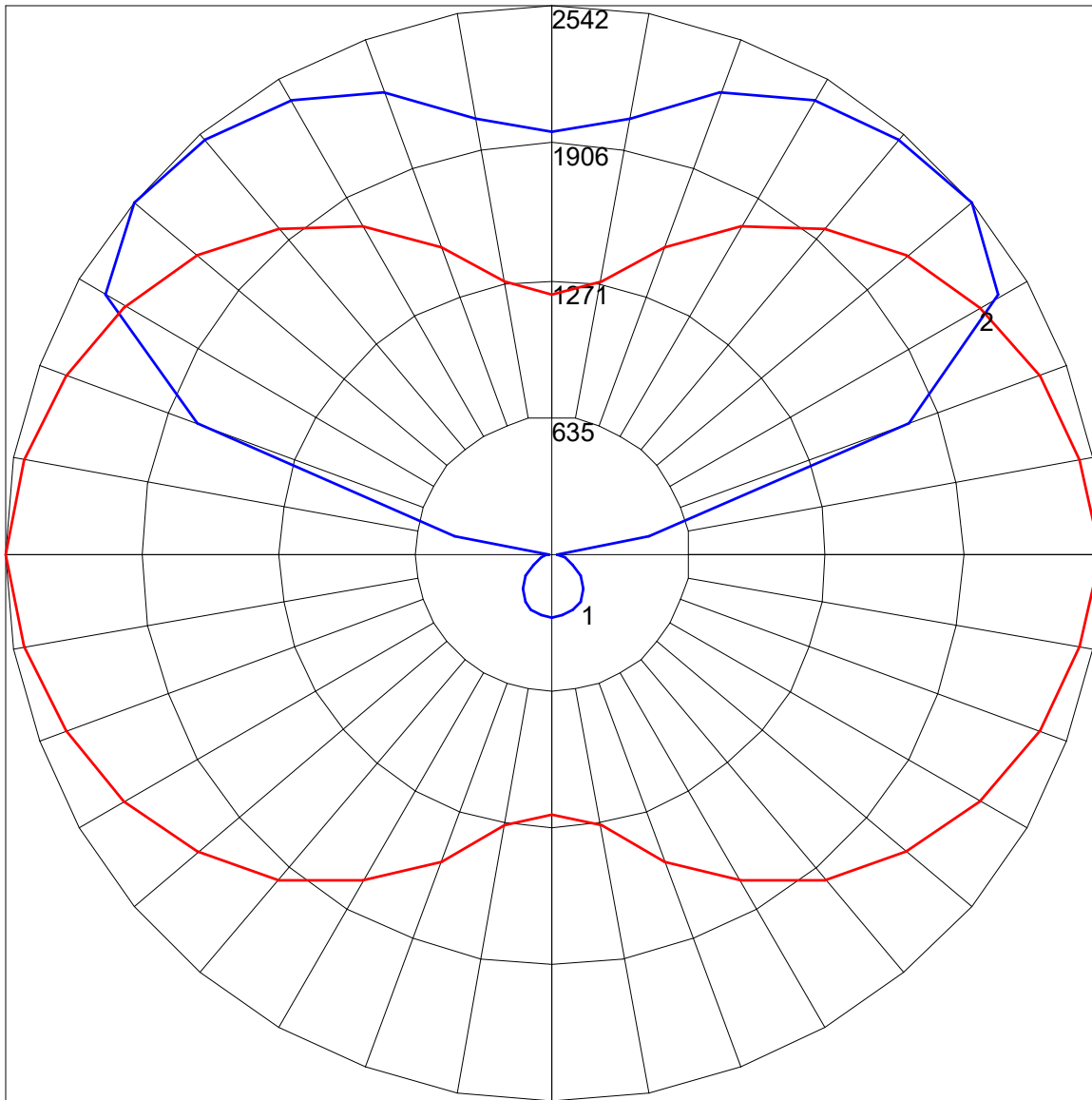
X=2H	Y=2H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	3H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	4H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	6H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	8H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	12H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8

UGR Viewed Endwise

4H	2H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	3H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	4H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	6H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	8H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	12H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
8H	4H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	6H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	8H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	12H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
12H	4H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	6H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	8H	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8

Maximum UGR = 7.8

POLAR GRAPH



Maximum Candela = 2541.866 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.)