



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-FB-SS-30.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-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	9222
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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	474	390	313
55	419	290	166
65	344	172	51
75	271	138	28
85	397	334	97

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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>	284.719	284.719	284.719	284.719	284.719	284.719	284.719	284.719	284.719	284.719
<b>10</b>	282.545	284.177	285.283	283.992	282.414	279.876	277.006	275.434	273.641	272.041
<b>20</b>	271.872	273.885	273.175	269.292	263.841	259.031	254.921	251.233	248.897	246.606
<b>30</b>	247.219	250.721	245.028	236.299	230.157	226.197	222.217	218.487	214.644	211.422
<b>40</b>	211.511	214.352	205.318	192.540	185.392	179.665	175.484	171.065	165.855	160.509
<b>50</b>	162.173	162.779	153.856	140.402	129.705	120.085	110.141	101.857	93.433	86.633
<b>60</b>	105.955	104.086	95.072	83.853	68.342	53.460	39.768	29.796	23.980	19.718
<b>70</b>	56.170	54.068	45.994	32.792	22.564	17.891	14.574	10.403	6.927	4.290
<b>80</b>	22.208	23.728	23.052	22.786	20.807	18.410	16.007	11.770	7.346	3.677
<b>90</b>	16.404	16.258	15.554	14.910	13.588	12.256	10.481	8.664	6.670	5.737
<b>100</b>	444.279	428.729	415.612	409.547	380.127	340.130	300.674	254.348	188.158	158.227
<b>110</b>	1708.612	1670.421	1606.900	1511.148	1399.869	1267.706	1097.670	867.148	611.666	486.759
<b>120</b>	2324.322	2298.132	2220.953	2091.516	1940.318	1728.860	1487.668	1226.546	961.761	845.819
<b>130</b>	2465.636	2416.059	2338.891	2225.637	2086.848	1915.852	1705.135	1472.698	1245.766	1170.107
<b>140</b>	2430.970	2406.347	2357.384	2272.235	2153.723	2005.928	1837.743	1647.946	1464.111	1421.369
<b>150</b>	2361.630	2341.126	2299.615	2231.714	2145.559	2026.256	1889.500	1741.874	1644.183	1625.641
<b>160</b>	2213.109	2196.994	2166.670	2117.257	2051.790	1970.498	1884.929	1816.773	1777.994	1776.960
<b>170</b>	1993.925	1983.325	1970.742	1952.194	1930.179	1909.964	1888.526	1871.987	1867.816	1870.079
<b>180</b>	1906.816	1906.816	1906.816	1906.816	1906.816	1906.816	1906.816	1906.816	1906.816	1906.816

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	103.68	N.A.	1.10
0-30	217.51	N.A.	2.40
0-40	348.34	N.A.	3.80
0-60	553.97	N.A.	6.00
0-80	620.95	N.A.	6.70
0-90	637.10	N.A.	6.90
10-90	610.15	N.A.	6.60
20-40	244.66	N.A.	2.70
20-50	365.66	N.A.	4.00
40-70	249.56	N.A.	2.70
60-80	66.99	N.A.	0.70
70-80	23.06	N.A.	0.30
80-90	16.14	N.A.	0.20
90-110	1021.17	N.A.	11.10
90-120	2491.95	N.A.	27.00
90-130	4125.07	N.A.	44.70
90-150	6913.52	N.A.	75.00
90-180	8585.2	N.A.	93.10
110-180	7564.03	N.A.	82.00
0-180	9222.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	26.95
10-20	76.73
20-30	113.83
30-40	130.83
40-50	121.00
50-60	84.62
60-70	43.93
70-80	23.06
80-90	16.14
90-100	189.60
100-110	831.57
110-120	1470.78
120-130	1633.11
130-140	1518.62
140-150	1269.84
150-160	933.22
160-170	555.67
170-180	182.79

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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

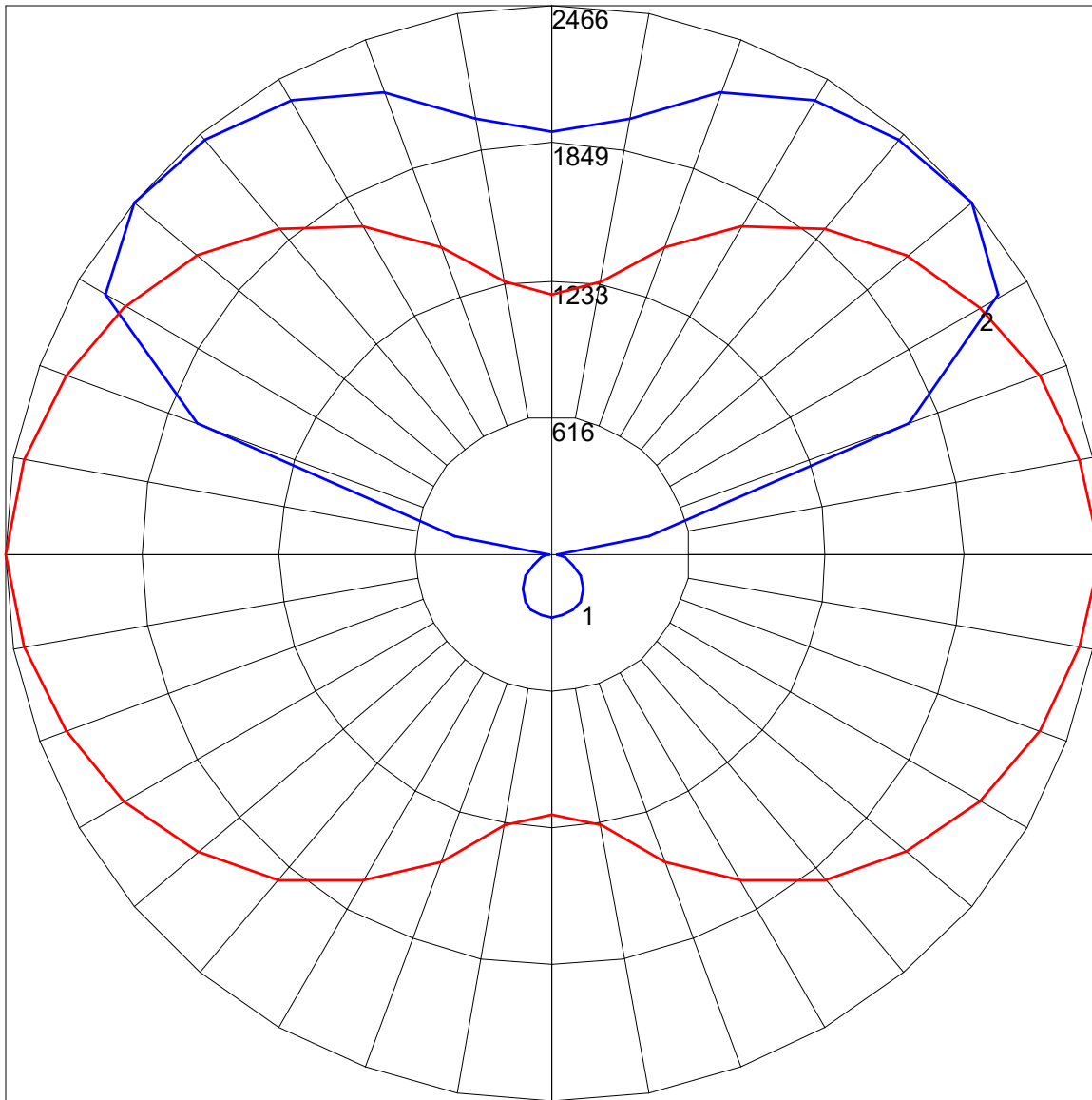
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**UGR TABLE - CORRECTED**

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	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	3H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	4H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	6H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	8H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	12H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
4H	2H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	3H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	4H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	6H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	8H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	12H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
8H	4H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	6H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	8H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	12H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
12H	4H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	6H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	8H	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

Maximum UGR = 7.7

POLAR GRAPH



Maximum Candela = 2465.636 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.)