



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-2080-FL-SS-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 VHO NW 20 80_Scaled
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 04-03-2017
[LUMCAT] CURV-8-LED-2080-FL-SS-30
[MANUFAC] LSI INDUSTRIES, INC.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6116
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	82
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.52
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.52
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	3238	2980	2543
55	3059	2887	2454
65	2697	2639	2296
75	2197	2272	2051
85	2362	2603	2314

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-2080-FL-SS-30.IES

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>
0	1462.631	1462.631	1462.631	1462.631	1462.631	1462.631	1462.631	1462.631	1462.631	1462.631
10	1495.446	1490.759	1482.945	1475.132	1464.194	1453.255	1443.879	1437.629	1431.378	1429.816
20	1536.075	1528.262	1514.198	1492.321	1467.319	1437.629	1411.064	1387.624	1373.561	1368.873
30	1534.512	1525.137	1504.822	1468.882	1429.816	1382.936	1337.620	1300.116	1271.989	1261.050
40	1407.939	1400.125	1382.936	1350.121	1309.492	1257.925	1206.358	1154.791	1120.413	1103.224
50	1146.978	1145.415	1137.602	1118.850	1089.160	1045.406	996.964	951.648	917.270	903.206
60	811.010	814.135	812.573	807.885	793.821	767.256	736.003	703.188	678.186	667.247
70	460.979	465.667	468.792	470.355	468.792	459.416	446.915	435.977	421.913	415.662
80	173.453	179.704	184.392	189.079	192.205	192.205	189.079	184.392	179.704	176.578
90	56.255	57.818	60.943	60.943	60.943	60.943	57.818	57.818	54.692	48.442
100	129.699	131.262	140.638	150.013	145.326	139.075	126.574	110.947	85.945	75.007
110	223.458	223.458	215.644	215.644	212.519	206.268	185.954	154.701	132.824	123.449
120	265.649	268.774	264.086	253.148	235.959	220.332	195.330	178.141	168.765	165.640
130	278.150	284.400	281.275	267.211	253.148	240.647	226.583	214.082	204.706	203.143
140	275.025	287.526	282.838	278.150	270.337	257.836	251.585	243.772	237.521	234.396
150	273.462	282.838	282.838	279.713	279.713	275.025	270.337	262.524	259.398	259.398
160	270.337	279.713	282.838	282.838	281.275	279.713	279.713	278.150	275.025	273.462
170	265.649	275.025	278.150	279.713	281.275	279.713	281.275	281.275	281.275	281.275
180	275.025	275.025	275.025	275.025	275.025	275.025	275.025	275.025	275.025	275.025

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-2080-FL-SS-30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	552.20	N.A.	9.00
0-30	1212.65	N.A.	19.80
0-40	2052.23	N.A.	33.60
0-60	3761.36	N.A.	61.50
0-80	4701.47	N.A.	76.90
0-90	4834.22	N.A.	79.00
10-90	4694.72	N.A.	76.80
20-40	1500.03	N.A.	24.50
20-50	2397.75	N.A.	39.20
40-70	2311.78	N.A.	37.80
60-80	940.12	N.A.	15.40
70-80	337.47	N.A.	5.50
80-90	132.75	N.A.	2.20
90-110	268.06	N.A.	4.40
90-120	473.23	N.A.	7.70
90-130	683.21	N.A.	11.20
90-150	1048.46	N.A.	17.10
90-180	1281.8	N.A.	21.00
110-180	1013.74	N.A.	16.60
0-180	6116.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	139.50
10-20	412.70
20-30	660.45
30-40	839.58
40-50	897.72
50-60	811.41
60-70	602.65
70-80	337.47
80-90	132.75
90-100	100.40
100-110	167.66
110-120	205.18
120-130	209.98
130-140	196.92
140-150	168.33
150-160	127.80
160-170	79.09
170-180	26.44

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-2080-FL-SS-30.IES

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	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79
1	104	99	95	91	99	95	91	87	87	84	81	79	77	75	72	71	69	65
2	94	86	79	74	90	82	76	71	75	70	66	69	65	62	63	60	57	54
3	86	75	67	61	81	72	65	59	66	60	55	61	56	52	56	52	48	45
4	78	66	58	51	74	64	56	50	59	52	47	54	48	44	49	45	41	38
5	72	59	50	44	68	57	49	43	52	45	40	48	42	38	44	39	36	33
6	66	53	44	38	63	51	43	37	47	40	35	43	37	33	40	35	31	29
7	61	48	39	33	58	46	38	32	43	36	31	39	33	29	36	31	27	25
8	57	43	35	29	54	42	34	29	39	32	27	36	30	26	33	28	24	22
9	53	40	32	26	50	38	31	26	36	29	24	33	27	23	31	26	22	20
10	49	36	29	24	47	35	28	23	33	26	22	30	25	21	28	23	20	18

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-2080-FL-SS-30.IES

UGR TABLE - CORRECTED

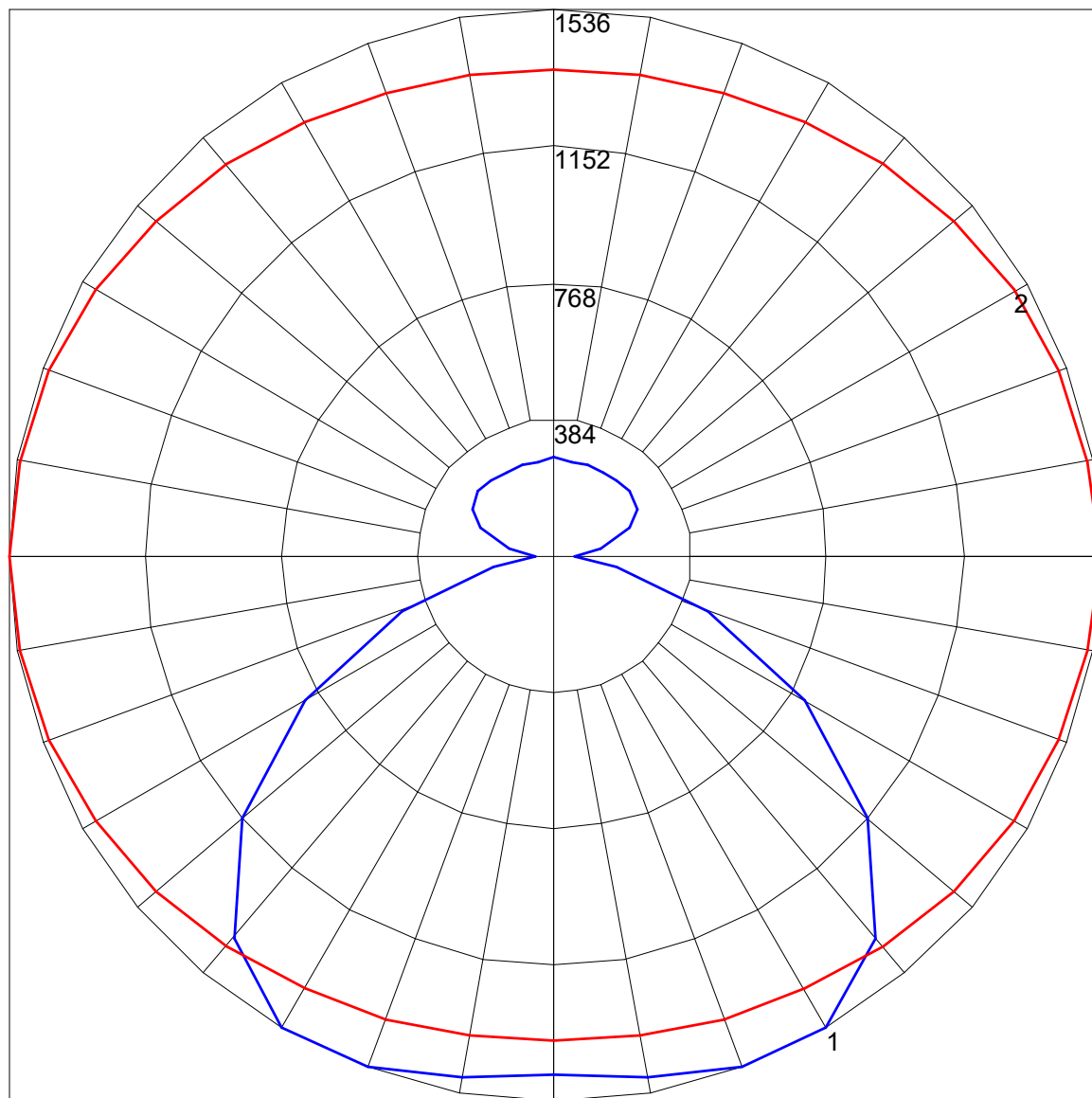
Reflectances

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	14.9	16.1	15.5	16.8	17.6	13.8	15.0	14.4	15.7	16.5
	3H	16.5	17.6	17.1	18.3	19.1	15.5	16.6	16.2	17.3	18.1
	4H	17.0	18.1	17.7	18.8	19.6	16.1	17.2	16.8	17.9	18.7
	6H	17.4	18.4	18.1	19.1	19.9	16.6	17.6	17.3	18.3	19.1
	8H	17.5	18.5	18.3	19.2	20.1	16.8	17.7	17.5	18.4	19.3
	12H	17.7	18.6	18.4	19.3	20.2	17.0	17.9	17.7	18.6	19.5
4H	2H	15.4	16.4	16.1	17.1	18.0	14.5	15.6	15.2	16.3	17.1
	3H	17.2	18.1	17.9	18.8	19.7	16.4	17.3	17.1	18.0	18.9
	4H	17.9	18.7	18.6	19.4	20.3	17.2	18.0	17.9	18.7	19.6
	6H	18.4	19.1	19.1	19.9	20.8	17.8	18.5	18.5	19.3	20.1
	8H	18.6	19.3	19.4	20.0	20.9	18.0	18.7	18.8	19.4	20.3
	12H	18.8	19.4	19.6	20.2	21.1	18.3	18.9	19.1	19.7	20.6
8H	4H	18.2	18.8	18.9	19.6	20.5	17.5	18.2	18.3	19.0	19.9
	6H	18.8	19.3	19.6	20.1	21.0	18.3	18.8	19.0	19.6	20.5
	8H	19.1	19.6	19.9	20.4	21.3	18.6	19.1	19.4	19.9	20.8
	12H	19.4	19.9	20.2	20.6	21.6	19.0	19.4	19.8	20.2	21.2
12H	4H	18.2	18.8	18.9	19.5	20.4	17.6	18.2	18.3	18.9	19.8
	6H	18.9	19.3	19.6	20.1	21.1	18.4	18.8	19.1	19.6	20.6
	8H	19.2	19.6	20.0	20.4	21.4	18.8	19.2	19.6	20.0	21.0

Maximum UGR = 21.6

POLAR GRAPH



Maximum Candela = 1536.075 Located At Horizontal Angle = 0, Vertical Angle = 20

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)