



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-2080-FL-SS-35.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-35
 [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	6306
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
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	3339	3072	2622
55	3154	2977	2530
65	2781	2721	2368
75	2265	2343	2114
85	2435	2684	2386

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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>
0	1508.064	1508.064	1508.064	1508.064	1508.064	1508.064	1508.064	1508.064	1508.064	1508.064
10	1541.899	1537.066	1529.010	1520.954	1509.676	1498.397	1488.730	1482.286	1475.841	1474.230
20	1583.790	1575.734	1561.233	1538.677	1512.898	1482.286	1454.895	1430.728	1416.227	1411.394
30	1582.179	1572.512	1551.566	1514.509	1474.230	1425.894	1379.170	1340.502	1311.500	1300.222
40	1451.673	1443.617	1425.894	1392.059	1350.169	1297.000	1243.831	1190.662	1155.216	1137.493
50	1182.606	1180.995	1172.939	1153.605	1122.992	1077.879	1027.933	981.209	945.763	931.262
60	836.202	839.425	837.814	832.980	818.479	791.089	758.866	725.031	699.252	687.974
70	475.298	480.132	483.354	484.965	483.354	473.687	460.797	449.519	435.019	428.574
80	178.841	185.286	190.119	194.953	198.175	198.175	194.953	190.119	185.286	182.063
90	58.002	59.614	62.836	62.836	62.836	62.836	59.614	59.614	56.391	49.947
100	133.728	135.339	145.006	154.673	149.840	143.395	130.506	114.394	88.615	77.337
110	230.399	230.399	222.343	222.343	219.120	212.676	191.730	159.507	136.950	127.283
120	273.901	277.123	272.289	261.011	243.288	227.176	201.397	183.675	174.007	170.785
130	286.790	293.235	290.012	275.512	261.011	248.122	233.621	220.732	211.065	209.453
140	283.568	296.457	291.624	286.790	278.734	265.845	259.400	251.344	244.899	241.677
150	281.956	291.624	291.624	288.401	288.401	283.568	278.734	270.678	267.456	267.456
160	278.734	288.401	291.624	291.624	290.012	288.401	288.401	286.790	283.568	281.956
170	273.901	283.568	286.790	288.401	290.012	288.401	290.012	290.012	290.012	290.012
180	283.568	283.568	283.568	283.568	283.568	283.568	283.568	283.568	283.568	283.568

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	569.35	N.A.	9.00
0-30	1250.31	N.A.	19.80
0-40	2115.98	N.A.	33.60
0-60	3878.2	N.A.	61.50
0-80	4847.51	N.A.	76.90
0-90	4984.39	N.A.	79.00
10-90	4840.55	N.A.	76.80
20-40	1546.62	N.A.	24.50
20-50	2472.23	N.A.	39.20
40-70	2383.59	N.A.	37.80
60-80	969.32	N.A.	15.40
70-80	347.95	N.A.	5.50
80-90	136.87	N.A.	2.20
90-110	276.38	N.A.	4.40
90-120	487.93	N.A.	7.70
90-130	704.44	N.A.	11.20
90-150	1081.03	N.A.	17.10
90-180	1321.62	N.A.	21.00
110-180	1045.23	N.A.	16.60
0-180	6306.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	143.83
10-20	425.52
20-30	680.96
30-40	865.66
40-50	925.60
50-60	836.62
60-70	621.37
70-80	347.95
80-90	136.87
90-100	103.52
100-110	172.86
110-120	211.55
120-130	216.50
130-140	203.04
140-150	173.55
150-160	131.77
160-170	81.55
170-180	27.26

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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	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

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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	15.0	16.2	15.6	16.9	17.7	UGR Viewed Endwise	13.9	15.1	14.5	15.8	16.6
	3H	16.6	17.7	17.2	18.4	19.2		15.6	16.7	16.3	17.4	18.2
	4H	17.1	18.2	17.8	18.9	19.7		16.2	17.3	16.9	18.0	18.8
	6H	17.5	18.5	18.2	19.2	20.0		16.7	17.7	17.4	18.4	19.2
	8H	17.6	18.6	18.4	19.3	20.2		16.9	17.8	17.6	18.5	19.4
	12H	17.8	18.7	18.5	19.4	20.3		17.1	18.0	17.8	18.7	19.6

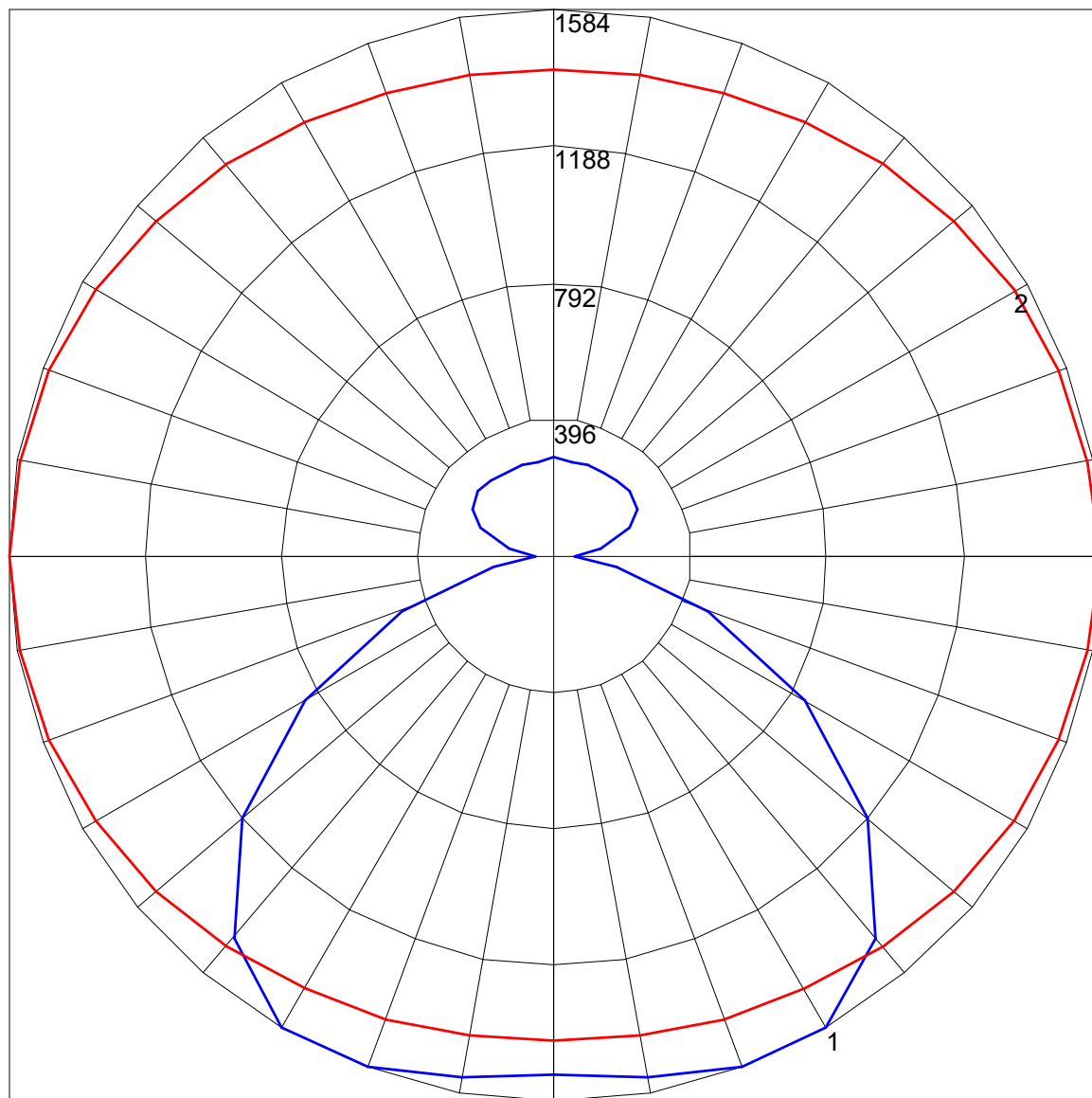
4H	2H	15.5	16.5	16.2	17.2	18.1	14.6	15.7	15.3	16.4	17.2
	3H	17.3	18.2	18.0	18.9	19.8	16.5	17.4	17.2	18.1	19.0
	4H	18.0	18.8	18.7	19.5	20.4	17.3	18.1	18.0	18.8	19.7
	6H	18.5	19.2	19.2	20.0	20.9	17.9	18.6	18.6	19.4	20.2
	8H	18.7	19.4	19.5	20.1	21.0	18.1	18.8	18.9	19.5	20.4
	12H	18.9	19.5	19.7	20.3	21.2	18.4	19.0	19.2	19.8	20.7

8H	4H	18.3	18.9	19.0	19.7	20.6	17.6	18.3	18.4	19.1	20.0
	6H	18.9	19.4	19.7	20.2	21.1	18.4	18.9	19.1	19.7	20.6
	8H	19.2	19.7	20.0	20.5	21.4	18.7	19.2	19.5	20.0	20.9
	12H	19.5	20.0	20.3	20.7	21.7	19.1	19.5	19.9	20.3	21.3

12H	4H	18.3	18.9	19.0	19.6	20.5	17.7	18.3	18.4	19.0	19.9
	6H	19.0	19.4	19.7	20.2	21.2	18.5	18.9	19.2	19.7	20.7
	8H	19.3	19.7	20.1	20.5	21.5	18.9	19.3	19.6	20.1	21.1

Maximum UGR = 21.7

POLAR GRAPH



Maximum Candela = 1583.79 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.)