



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-2080-FL-HO-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-HO-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	7342
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	98
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	3887	3577	3053
55	3672	3466	2946
65	3238	3168	2757
75	2637	2728	2462
85	2835	3125	2777

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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	1755.824	1755.824	1755.824	1755.824	1755.824	1755.824	1755.824	1755.824	1755.824	1755.824
10	1795.217	1789.590	1780.210	1770.831	1757.700	1744.568	1733.313	1725.810	1718.306	1716.430
20	1843.990	1834.611	1817.728	1791.465	1761.451	1725.810	1693.920	1665.781	1648.899	1643.271
30	1842.114	1830.859	1806.472	1763.327	1716.430	1660.154	1605.753	1560.732	1526.966	1513.835
40	1690.168	1680.788	1660.154	1620.760	1571.987	1510.083	1448.179	1386.275	1345.006	1324.371
50	1376.896	1375.020	1365.641	1343.130	1307.488	1254.964	1196.811	1142.411	1101.142	1084.259
60	973.582	977.333	975.458	969.830	952.947	921.057	883.539	844.146	814.132	801.001
70	553.385	559.012	562.764	564.640	562.764	551.509	536.502	523.371	506.488	498.984
80	208.223	215.726	221.354	226.981	230.733	230.733	226.981	221.354	215.726	211.974
90	67.532	69.408	73.159	73.159	73.159	73.159	69.408	69.408	65.656	58.152
100	155.698	157.574	168.829	180.084	174.457	166.953	151.946	133.187	103.173	90.042
110	268.251	268.251	258.871	258.871	255.120	247.616	223.230	185.712	159.450	148.195
120	318.900	322.651	317.024	303.893	283.258	264.499	234.485	213.850	202.595	198.843
130	333.907	341.410	337.658	320.775	303.893	288.886	272.003	256.996	245.740	243.864
140	330.155	345.162	339.534	333.907	324.527	309.520	302.017	292.637	285.134	281.382
150	328.279	339.534	339.534	335.783	335.783	330.155	324.527	315.148	311.396	311.396
160	324.527	335.783	339.534	339.534	337.658	335.783	335.783	333.907	330.155	328.279
170	318.900	330.155	333.907	335.783	337.658	335.783	337.658	337.658	337.658	337.658
180	330.155	330.155	330.155	330.155	330.155	330.155	330.155	330.155	330.155	330.155

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	662.89	N.A.	9.00
0-30	1455.73	N.A.	19.80
0-40	2463.61	N.A.	33.60
0-60	4515.34	N.A.	61.50
0-80	5643.91	N.A.	76.90
0-90	5803.27	N.A.	79.00
10-90	5635.8	N.A.	76.80
20-40	1800.72	N.A.	24.50
20-50	2878.39	N.A.	39.20
40-70	2775.18	N.A.	37.80
60-80	1128.57	N.A.	15.40
70-80	405.12	N.A.	5.50
80-90	159.36	N.A.	2.20
90-110	321.79	N.A.	4.40
90-120	568.10	N.A.	7.70
90-130	820.17	N.A.	11.20
90-150	1258.63	N.A.	17.10
90-180	1538.74	N.A.	21.00
110-180	1216.95	N.A.	16.60
0-180	7342.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	167.46
10-20	495.43
20-30	792.84
30-40	1007.88
40-50	1077.67
50-60	974.06
60-70	723.45
70-80	405.12
80-90	159.36
90-100	120.53
100-110	201.26
110-120	246.31
120-130	252.07
130-140	236.40
140-150	202.07
150-160	153.42
160-170	94.95
170-180	31.74

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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

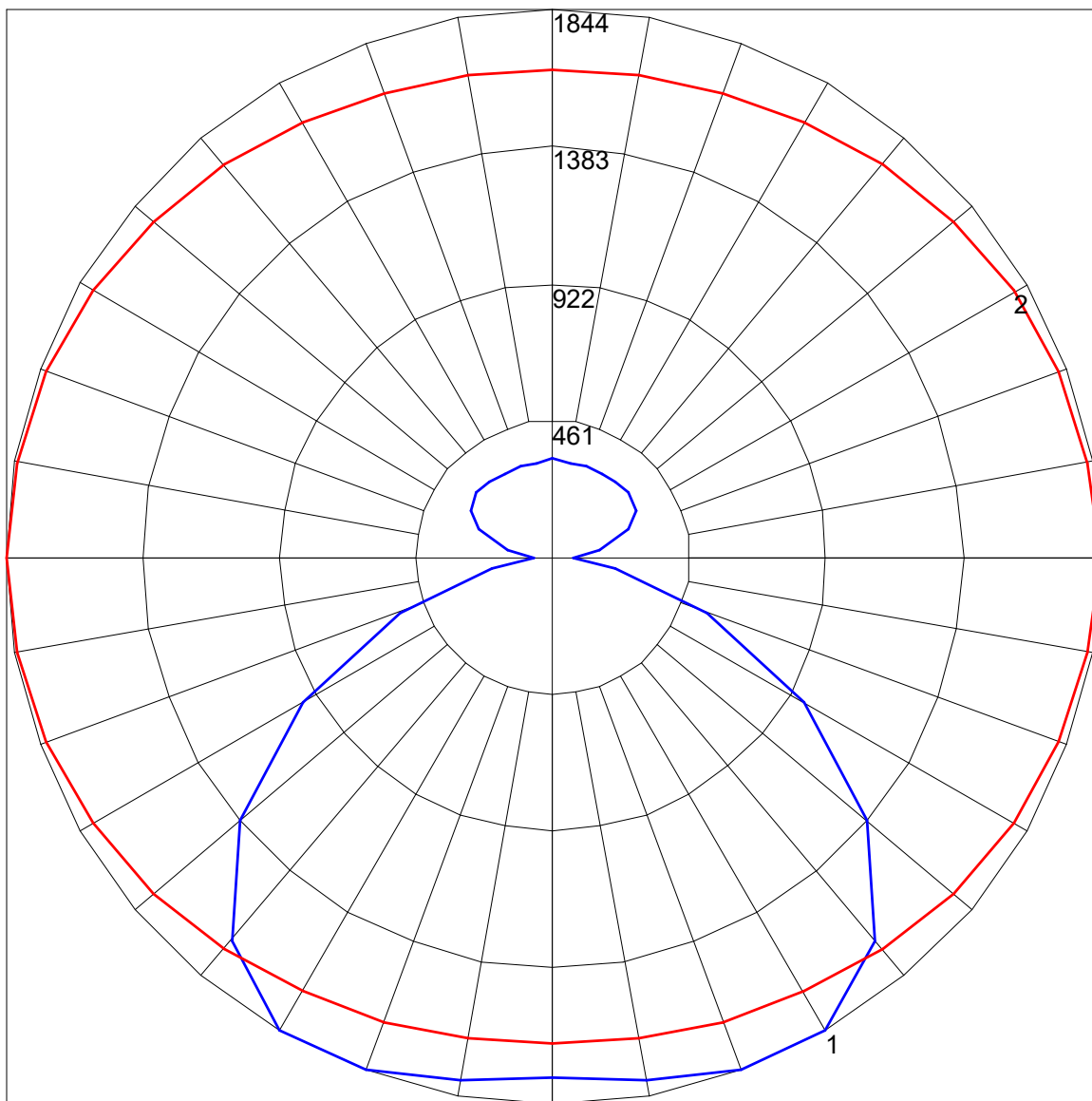
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	15.5	16.7	16.1	17.4	18.2	UGR Viewed Endwise				
	3H	17.1	18.2	17.7	18.9	19.7	14.4	15.6	15.0	16.3	17.1
	4H	17.6	18.7	18.3	19.4	20.2	16.1	17.2	16.8	17.9	18.7
	6H	18.0	19.0	18.7	19.7	20.5	16.7	17.8	17.4	18.5	19.3
	8H	18.1	19.1	18.9	19.8	20.7	17.2	18.2	17.9	18.9	19.7
	12H	18.3	19.2	19.0	19.9	20.8	17.4	18.3	18.1	19.0	19.9
							17.6	18.5	18.3	19.2	20.1
4H	2H	16.0	17.0	16.7	17.7	18.6	15.1	16.2	15.8	16.9	17.7
	3H	17.8	18.7	18.5	19.4	20.3	17.0	17.9	17.7	18.6	19.5
	4H	18.5	19.3	19.2	20.0	20.9	17.8	18.6	18.5	19.3	20.2
	6H	19.0	19.7	19.7	20.5	21.4	18.4	19.1	19.1	19.9	20.7
	8H	19.2	19.9	20.0	20.6	21.5	18.6	19.3	19.4	20.0	20.9
	12H	19.4	20.0	20.2	20.8	21.7	18.9	19.5	19.7	20.3	21.2
8H	4H	18.8	19.4	19.5	20.2	21.1	18.1	18.8	18.9	19.6	20.5
	6H	19.4	19.9	20.2	20.7	21.6	18.9	19.4	19.6	20.2	21.1
	8H	19.7	20.2	20.5	21.0	21.9	19.2	19.7	20.0	20.5	21.4
	12H	20.0	20.5	20.8	21.2	22.2	19.6	20.0	20.4	20.8	21.8
12H	4H	18.8	19.4	19.5	20.1	21.0	18.2	18.8	18.9	19.5	20.4
	6H	19.5	19.9	20.2	20.7	21.7	19.0	19.4	19.7	20.2	21.2
	8H	19.8	20.2	20.6	21.0	22.0	19.4	19.8	20.1	20.6	21.6

Maximum UGR = 22.2

POLAR GRAPH



Maximum Candela = 1843.99 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.)