



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-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-4-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	3058
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	41
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)	4.00 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	3240	2980	2542
55	3061	2886	2454
65	2697	2640	2296
75	2195	2274	2047
85	2366	2601	2313

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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	731.248	731.248	731.248	731.248	731.248	731.248	731.248	731.248	731.248	731.248
10	747.711	745.436	741.849	737.379	732.429	727.003	722.066	718.567	715.996	715.173
20	768.054	764.114	757.135	746.258	733.620	718.716	705.478	693.637	686.653	684.284
30	766.915	762.585	752.185	734.277	714.820	691.456	669.146	649.700	635.890	630.399
40	704.326	700.174	691.648	675.235	654.659	629.293	603.290	577.293	560.094	551.256
50	573.872	572.920	568.587	559.481	544.790	522.352	498.431	476.010	458.518	451.502
60	405.676	407.040	406.672	404.242	396.959	383.373	368.370	351.817	339.023	333.853
70	230.232	232.626	234.771	235.470	234.616	229.920	223.078	217.599	210.667	207.499
80	86.804	89.489	92.390	94.838	96.041	96.145	94.605	92.043	89.753	88.080
90	28.229	29.285	30.479	30.782	30.666	30.125	29.092	28.533	27.531	24.391
100	64.996	65.318	70.395	75.018	72.273	69.583	63.321	55.670	43.291	37.477
110	111.728	112.071	107.713	107.753	105.988	103.101	92.765	77.059	66.061	61.868
120	133.146	134.730	131.802	126.717	118.203	109.804	97.877	88.983	84.306	83.103
130	139.130	142.550	140.595	133.534	126.795	120.397	112.939	107.149	102.576	101.810
140	137.858	143.452	141.291	138.918	134.914	128.988	125.551	121.873	118.954	117.305
150	136.717	141.525	141.285	139.734	139.674	137.753	135.003	131.552	129.850	129.365
160	135.427	139.638	141.117	141.673	140.851	139.477	140.077	138.967	137.744	136.799
170	132.749	137.737	138.800	140.020	140.373	140.056	140.940	141.007	140.981	140.656
180	137.626	137.626	137.626	137.626	137.626	137.626	137.626	137.626	137.626	137.626

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	276.12	N.A.	9.00
0-30	606.31	N.A.	19.80
0-40	1026.09	N.A.	33.60
0-60	1880.75	N.A.	61.50
0-80	2350.81	N.A.	76.90
0-90	2417.21	N.A.	79.00
10-90	2347.46	N.A.	76.80
20-40	749.97	N.A.	24.50
20-50	1198.86	N.A.	39.20
40-70	1156.02	N.A.	37.80
60-80	470.06	N.A.	15.40
70-80	168.70	N.A.	5.50
80-90	66.41	N.A.	2.20
90-110	134.02	N.A.	4.40
90-120	236.58	N.A.	7.70
90-130	341.63	N.A.	11.20
90-150	524.23	N.A.	17.10
90-180	640.93	N.A.	21.00
110-180	506.91	N.A.	16.60
0-180	3058.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	69.75
10-20	206.36
20-30	330.19
30-40	419.78
40-50	448.89
50-60	405.77
60-70	301.36
70-80	168.70
80-90	66.41
90-100	50.24
100-110	83.78
110-120	102.56
120-130	105.05
130-140	98.46
140-150	84.14
150-160	63.90
160-170	39.56
170-180	13.23

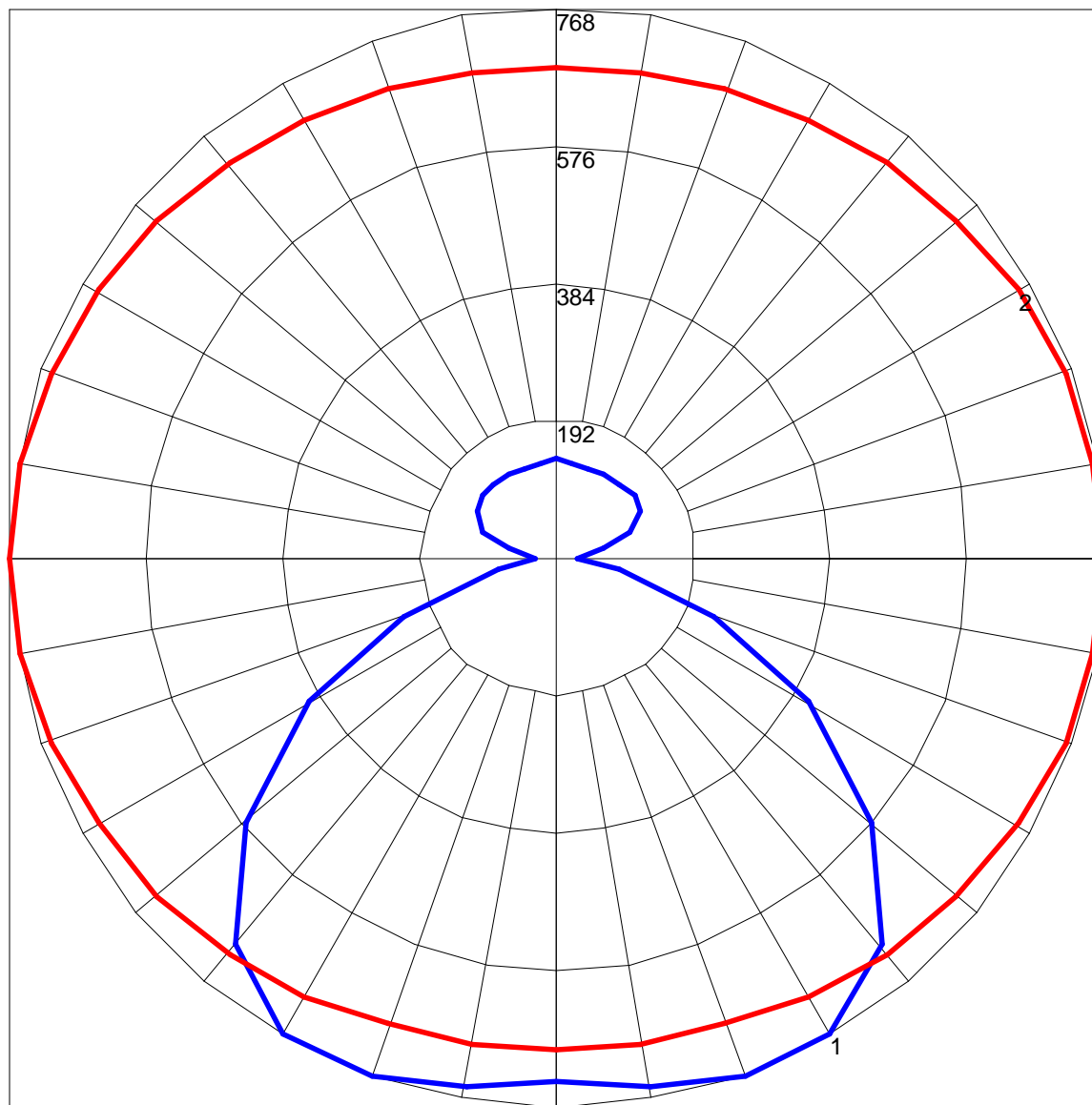
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	71	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

POLAR GRAPH



Maximum Candela = 768.054 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.)