



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-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-4-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	3671
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	49
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	3889	3577	3051
55	3674	3465	2946
65	3237	3169	2756
75	2636	2730	2457
85	2840	3123	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	877.831	877.831	877.831	877.831	877.831	877.831	877.831	877.831	877.831	877.831
10	897.595	894.862	890.557	885.191	879.248	872.734	866.809	862.608	859.522	858.534
20	922.015	917.285	908.907	895.850	880.679	862.787	846.895	832.681	824.296	821.453
30	920.647	915.449	902.964	881.468	858.110	830.062	803.280	779.936	763.357	756.766
40	845.512	840.527	830.293	810.589	785.889	755.438	724.223	693.015	672.368	661.759
50	688.908	687.765	682.563	671.632	653.996	627.061	598.345	571.429	550.430	542.008
60	486.996	488.634	488.192	485.274	476.532	460.222	442.212	422.340	406.982	400.775
70	276.383	279.257	281.832	282.672	281.646	276.009	267.795	261.218	252.896	249.093
80	104.204	107.428	110.910	113.849	115.293	115.417	113.570	110.494	107.744	105.736
90	33.888	35.156	36.589	36.953	36.813	36.163	34.924	34.253	33.049	29.281
100	78.025	78.412	84.507	90.056	86.760	83.531	76.014	66.829	51.969	44.989
110	134.124	134.536	129.304	129.352	127.234	123.768	111.360	92.506	79.304	74.270
120	159.836	161.737	158.223	152.118	141.897	131.815	117.497	106.820	101.206	99.761
130	167.020	171.125	168.778	160.301	152.212	144.531	135.578	128.628	123.137	122.218
140	165.493	172.208	169.613	166.765	161.958	154.845	150.719	146.303	142.799	140.819
150	164.123	169.895	169.607	167.744	167.673	165.366	162.065	157.922	155.879	155.298
160	162.574	167.629	169.405	170.072	169.085	167.436	168.156	166.824	165.355	164.221
170	159.360	165.348	166.623	168.087	168.511	168.131	169.192	169.273	169.241	168.852
180	165.213	165.213	165.213	165.213	165.213	165.213	165.213	165.213	165.213	165.213

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	331.47	N.A.	9.00
0-30	727.84	N.A.	19.80
0-40	1231.77	N.A.	33.60
0-60	2257.75	N.A.	61.50
0-80	2822.04	N.A.	76.90
0-90	2901.76	N.A.	79.00
10-90	2818.02	N.A.	76.80
20-40	900.31	N.A.	24.50
20-50	1439.18	N.A.	39.20
40-70	1387.75	N.A.	37.80
60-80	564.29	N.A.	15.40
70-80	202.52	N.A.	5.50
80-90	79.72	N.A.	2.20
90-110	160.88	N.A.	4.40
90-120	284.01	N.A.	7.70
90-130	410.11	N.A.	11.20
90-150	629.32	N.A.	17.10
90-180	769.41	N.A.	21.00
110-180	608.52	N.A.	16.60
0-180	3671.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.74
10-20	247.73
20-30	396.38
30-40	503.93
40-50	538.87
50-60	487.11
60-70	361.77
70-80	202.52
80-90	79.72
90-100	60.32
100-110	100.57
110-120	123.12
120-130	126.10
130-140	118.20
140-150	101.01
150-160	76.71
160-170	47.49
170-180	15.89

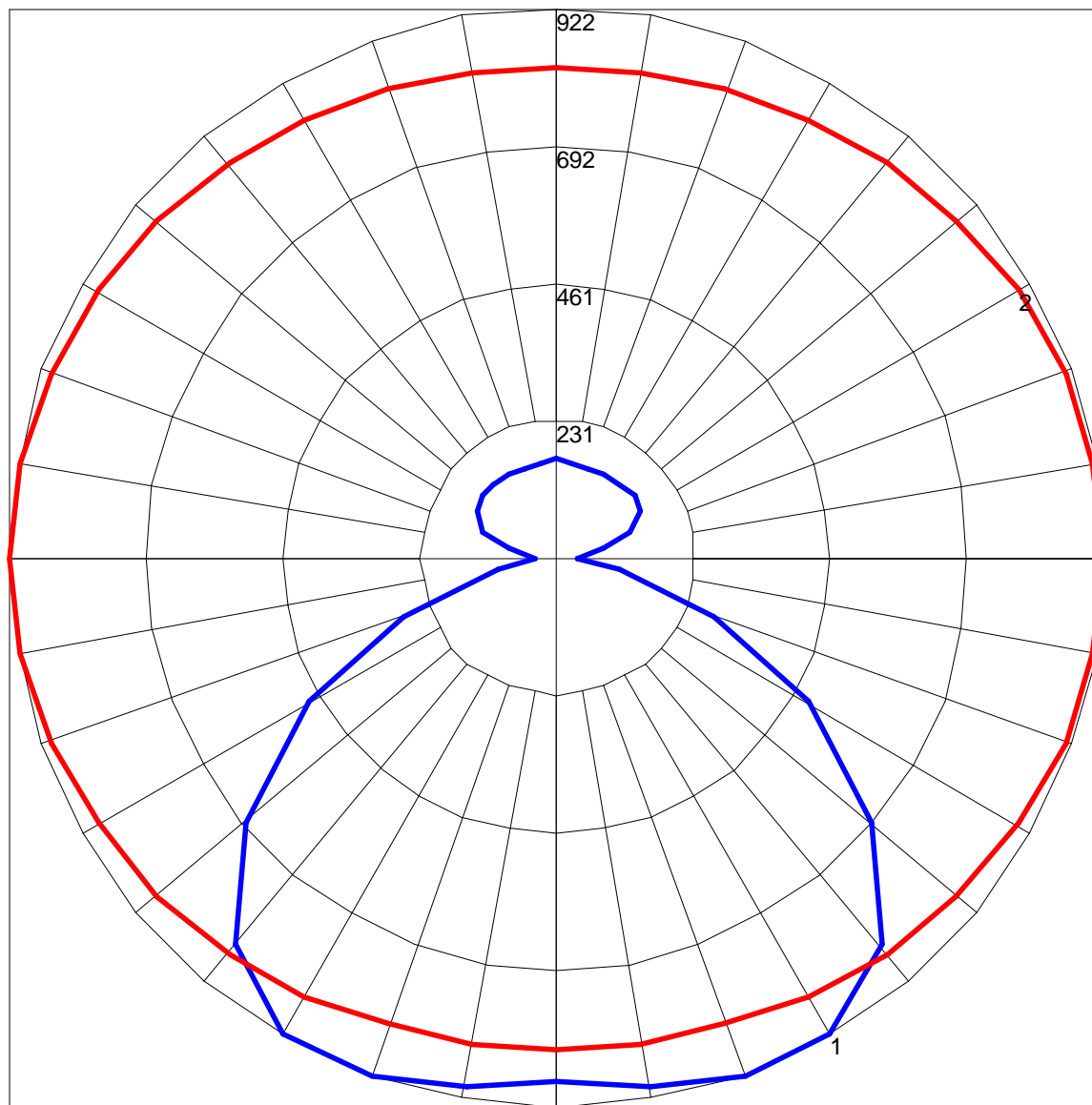
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 922.015 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.)