



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CURV-4-LED-6040-FL-VHO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 VHO NW 60 40_Scaled
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 04-03-2017
[LUMCAT] CURV-4-LED-6040-FL-VHO-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	7515
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	72
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
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	4220	3760	2986
55	4066	3736	2987
65	3677	3544	2944
75	3168	3306	2919
85	4274	4708	4321

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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	785.785	785.785	785.785	785.785	785.785	785.785	785.785	785.785	785.785	785.785
10	832.199	831.193	825.817	818.792	809.483	798.223	789.377	781.489	775.362	771.900
20	909.094	905.638	892.580	872.937	844.198	818.605	793.289	772.743	756.903	748.773
30	951.878	948.125	929.152	900.595	863.500	823.813	779.293	743.365	718.961	706.154
40	907.556	904.467	888.678	860.074	822.736	777.766	726.986	683.891	652.360	638.564
50	757.509	757.355	749.283	731.266	703.053	663.389	623.886	584.530	552.566	539.572
60	543.608	546.285	545.252	537.886	524.092	500.982	474.250	448.131	424.243	416.445
70	323.340	327.499	329.786	330.479	327.364	318.918	307.885	292.338	281.130	277.649
80	134.128	138.815	144.113	149.274	153.927	154.500	153.262	150.184	145.127	143.939
90	73.703	74.681	76.660	76.150	75.457	74.005	72.581	71.082	69.473	66.185
100	262.034	267.485	293.311	293.411	275.778	261.511	246.565	232.220	209.110	192.611
110	783.003	773.381	764.707	747.510	710.690	668.854	606.512	510.421	419.894	369.644
120	1081.076	1071.546	1051.638	1010.905	956.625	881.557	790.622	673.091	578.020	527.830
130	1189.038	1185.648	1151.014	1110.979	1051.599	965.755	866.943	791.646	704.023	665.380
140	1176.753	1176.596	1147.214	1107.988	1057.896	994.038	933.921	862.179	799.879	773.702
150	1112.373	1114.982	1106.860	1079.809	1055.252	1013.065	957.669	900.297	860.011	844.368
160	1059.322	1051.328	1051.739	1038.258	1012.460	984.040	950.724	923.685	910.211	899.360
170	970.444	967.776	966.832	964.934	961.089	956.990	950.358	947.501	940.812	935.237
180	930.471	930.471	930.471	930.471	930.471	930.471	930.471	930.471	930.471	930.471

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	307.63	N.A.	4.10
0-30	693.91	N.A.	9.20
0-40	1204.35	N.A.	16.00
0-60	2291.24	N.A.	30.50
0-80	2937.2	N.A.	39.10
0-90	3057.71	N.A.	40.70
10-90	2981.86	N.A.	39.70
20-40	896.72	N.A.	11.90
20-50	1460.51	N.A.	19.40
40-70	1489.29	N.A.	19.80
60-80	645.96	N.A.	8.60
70-80	243.56	N.A.	3.20
80-90	120.52	N.A.	1.60
90-110	655.01	N.A.	8.70
90-120	1404.81	N.A.	18.70
90-130	2230.86	N.A.	29.70
90-150	3629.55	N.A.	48.30
90-180	4457.42	N.A.	59.30
110-180	3802.41	N.A.	50.60
0-180	7515.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.85
10-20	231.78
20-30	386.28
30-40	510.44
40-50	563.79
50-60	523.10
60-70	402.40
70-80	243.56
80-90	120.52
90-100	179.83
100-110	475.18
110-120	749.80
120-130	826.05
130-140	766.26
140-150	632.43
150-160	462.04
160-170	275.76
170-180	90.06

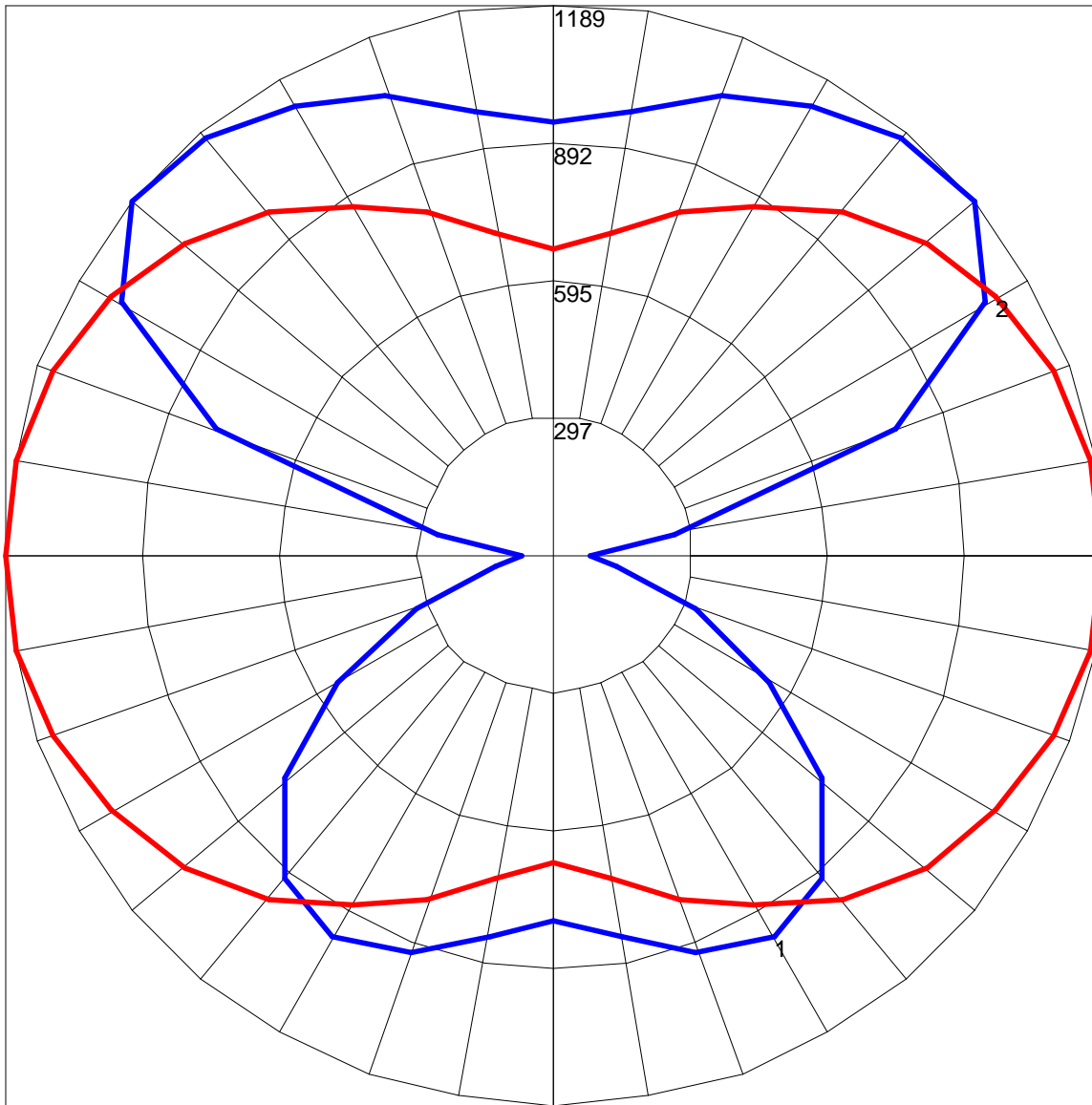
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	95	91	87	83	86	83	79	76	68	65	63	54	52	51	41	40	39	33
2	86	79	72	67	78	72	66	62	59	55	51	47	44	42	36	34	32	27
3	78	69	61	55	71	63	56	51	51	47	43	41	38	35	31	29	27	22
4	71	60	52	46	65	55	48	43	45	40	36	36	32	29	28	25	23	19
5	65	54	45	39	59	49	42	36	40	35	31	32	28	25	25	22	20	16
6	60	48	40	34	54	44	37	31	36	31	26	29	25	22	22	19	17	14
7	55	43	35	29	50	39	32	27	33	27	23	26	22	19	20	17	15	12
8	51	39	31	26	46	36	29	24	30	24	20	24	20	17	18	15	13	11
9	48	35	28	23	43	32	26	21	27	22	18	22	18	15	17	14	12	10
10	44	32	25	20	40	30	23	19	25	20	16	20	16	13	16	13	11	9

POLAR GRAPH



Maximum Candela = 1189.038 Located At Horizontal Angle = 0, Vertical Angle = 130
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)