



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-6040-FL-VHO-30.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-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	7289
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
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	4094	3647	2896
55	3943	3624	2898
65	3566	3437	2855
75	3073	3206	2832
85	4145	4567	4191

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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	762.152	762.152	762.152	762.152	762.152	762.152	762.152	762.152	762.152	762.152
10	807.170	806.195	800.980	794.167	785.138	774.216	765.636	757.985	752.043	748.685
20	881.752	878.400	865.736	846.683	818.808	793.985	769.431	749.503	734.139	726.253
30	923.249	919.609	901.207	873.509	837.530	799.037	755.856	721.008	697.337	684.916
40	880.261	877.264	861.950	834.207	797.992	754.374	705.121	663.322	632.740	619.359
50	734.727	734.577	726.748	709.273	681.909	643.437	605.122	566.950	535.947	523.344
60	527.258	529.855	528.854	521.709	508.329	485.915	459.987	434.653	411.484	403.920
70	313.615	317.650	319.868	320.540	317.518	309.327	298.625	283.546	272.675	269.299
80	130.094	134.640	139.779	144.784	149.297	149.854	148.653	145.667	140.762	139.610
90	71.486	72.435	74.354	73.860	73.188	71.779	70.399	68.944	67.384	64.195
100	254.154	259.440	284.490	284.587	267.484	253.646	239.149	225.235	202.821	186.818
110	759.454	750.121	741.708	725.028	689.316	648.738	588.271	495.070	407.265	358.527
120	1048.562	1039.319	1020.009	980.502	927.854	855.044	766.844	652.848	560.636	511.955
130	1153.277	1149.989	1116.397	1077.566	1019.972	936.710	840.870	767.837	682.849	645.369
140	1141.361	1141.209	1112.711	1074.665	1026.079	964.142	905.832	836.249	775.823	750.432
150	1078.918	1081.448	1073.571	1047.334	1023.515	982.596	928.866	873.220	834.146	818.973
160	1027.462	1019.709	1020.108	1007.032	982.010	954.445	922.130	895.904	882.836	872.311
170	941.257	938.670	937.754	935.913	932.184	928.208	921.776	919.005	912.516	907.109
180	902.487	902.487	902.487	902.487	902.487	902.487	902.487	902.487	902.487	902.487

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	298.38	N.A.	4.10
0-30	673.04	N.A.	9.20
0-40	1168.13	N.A.	16.00
0-60	2222.32	N.A.	30.50
0-80	2848.86	N.A.	39.10
0-90	2965.75	N.A.	40.70
10-90	2892.18	N.A.	39.70
20-40	869.75	N.A.	11.90
20-50	1416.58	N.A.	19.40
40-70	1444.49	N.A.	19.80
60-80	626.53	N.A.	8.60
70-80	236.24	N.A.	3.20
80-90	116.89	N.A.	1.60
90-110	635.31	N.A.	8.70
90-120	1362.56	N.A.	18.70
90-130	2163.76	N.A.	29.70
90-150	3520.39	N.A.	48.30
90-180	4323.36	N.A.	59.30
110-180	3688.05	N.A.	50.60
0-180	7289.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	73.57
10-20	224.80
20-30	374.66
30-40	495.09
40-50	546.84
50-60	507.36
60-70	390.30
70-80	236.24
80-90	116.89
90-100	174.42
100-110	460.89
110-120	727.25
120-130	801.21
130-140	743.21
140-150	613.41
150-160	448.15
160-170	267.47
170-180	87.36

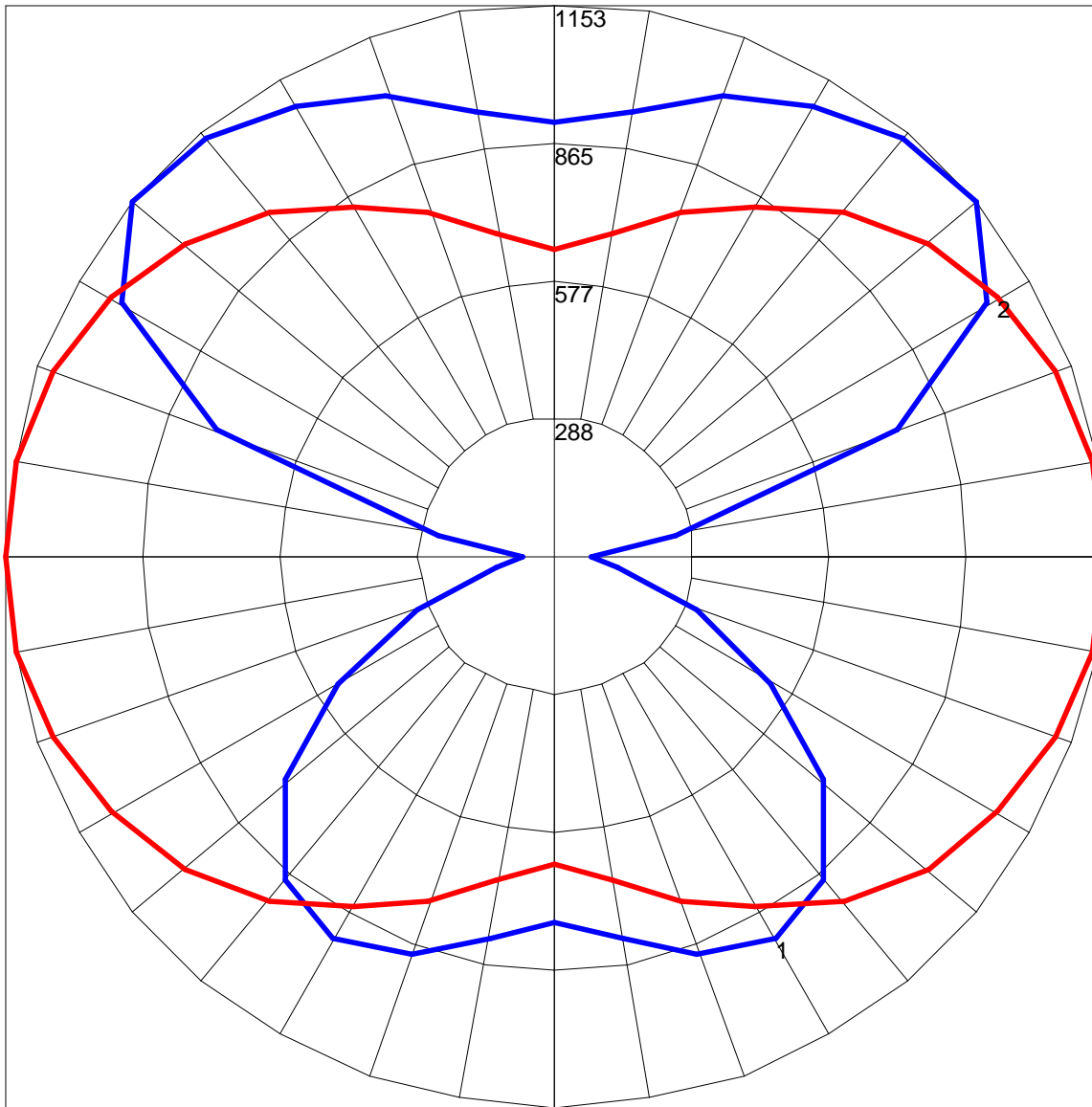
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1153.277 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.)