



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-3070-FL-VHO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 VHO NW 30 70_Scaled
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 04-03-2017
[LUMCAT] CURV-4-LED-3070-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	6070
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	72
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.60
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.56
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	5813	5137	4156
55	5813	5172	4023
65	5518	5024	3766
75	5140	4783	3403
85	6031	5759	4227

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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	1187.350	1187.350	1187.350	1187.350	1187.350	1187.350	1187.350	1187.350	1187.350	1187.350
10	1209.496	1208.421	1202.150	1195.308	1189.332	1180.213	1174.371	1170.580	1165.751	1166.105
20	1259.135	1253.100	1237.782	1219.378	1195.601	1171.735	1149.004	1130.754	1118.006	1116.171
30	1286.875	1277.244	1257.065	1224.814	1185.227	1141.673	1098.575	1062.024	1033.594	1025.212
40	1231.849	1223.908	1198.942	1164.446	1116.779	1062.177	1000.907	951.969	917.849	900.977
50	1061.614	1054.671	1037.451	1007.917	965.318	909.209	853.973	801.233	757.482	738.653
60	798.753	795.925	785.384	766.481	739.051	696.586	652.316	607.275	569.312	548.723
70	502.471	503.484	499.505	495.142	478.976	454.894	418.190	391.877	364.807	339.250
80	239.828	242.634	242.082	237.728	230.041	217.387	201.726	183.915	167.266	152.186
90	53.448	54.742	56.020	56.432	56.575	56.075	55.323	54.473	53.841	53.372
100	158.985	161.678	171.314	174.989	162.495	136.147	119.892	108.290	96.339	91.224
110	306.753	323.315	302.134	295.922	289.952	268.232	251.012	218.838	182.306	175.829
120	430.399	407.534	388.349	370.814	357.948	330.384	304.429	275.004	247.808	239.635
130	481.910	350.739	443.216	408.698	384.006	360.960	345.263	318.404	298.522	291.445
140	484.468	378.882	441.962	418.340	374.402	403.959	377.310	352.702	340.183	337.411
150	469.634	443.916	353.830	436.498	446.040	385.832	366.089	368.751	370.249	372.157
160	446.598	459.091	397.077	361.683	378.880	408.512	416.103	410.799	401.569	396.497
170	420.636	433.477	428.979	411.373	388.623	373.416	366.149	364.256	364.295	365.521
180	424.379	424.379	424.379	424.379	424.379	424.379	424.379	424.379	424.379	424.379

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	449.29	N.A.	7.40
0-30	991.85	N.A.	16.30
0-40	1694.73	N.A.	27.90
0-60	3195.15	N.A.	52.60
0-80	4113.4	N.A.	67.80
0-90	4259.83	N.A.	70.20
10-90	4146.55	N.A.	68.30
20-40	1245.43	N.A.	20.50
20-50	2019.48	N.A.	33.30
40-70	2069.18	N.A.	34.10
60-80	918.25	N.A.	15.10
70-80	349.49	N.A.	5.80
80-90	146.43	N.A.	2.40
90-110	319.57	N.A.	5.30
90-120	616.82	N.A.	10.20
90-130	931.51	N.A.	15.30
90-150	1471.34	N.A.	24.20
90-180	1809.7	N.A.	29.80
110-180	1490.13	N.A.	24.60
0-180	6069.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	113.27
10-20	336.02
20-30	542.56
30-40	702.87
40-50	774.05
50-60	726.37
60-70	568.76
70-80	349.49
80-90	146.43
90-100	106.27
100-110	213.30
110-120	297.25
120-130	314.69
130-140	292.36
140-150	247.47
150-160	186.36
160-170	113.05
170-180	38.94

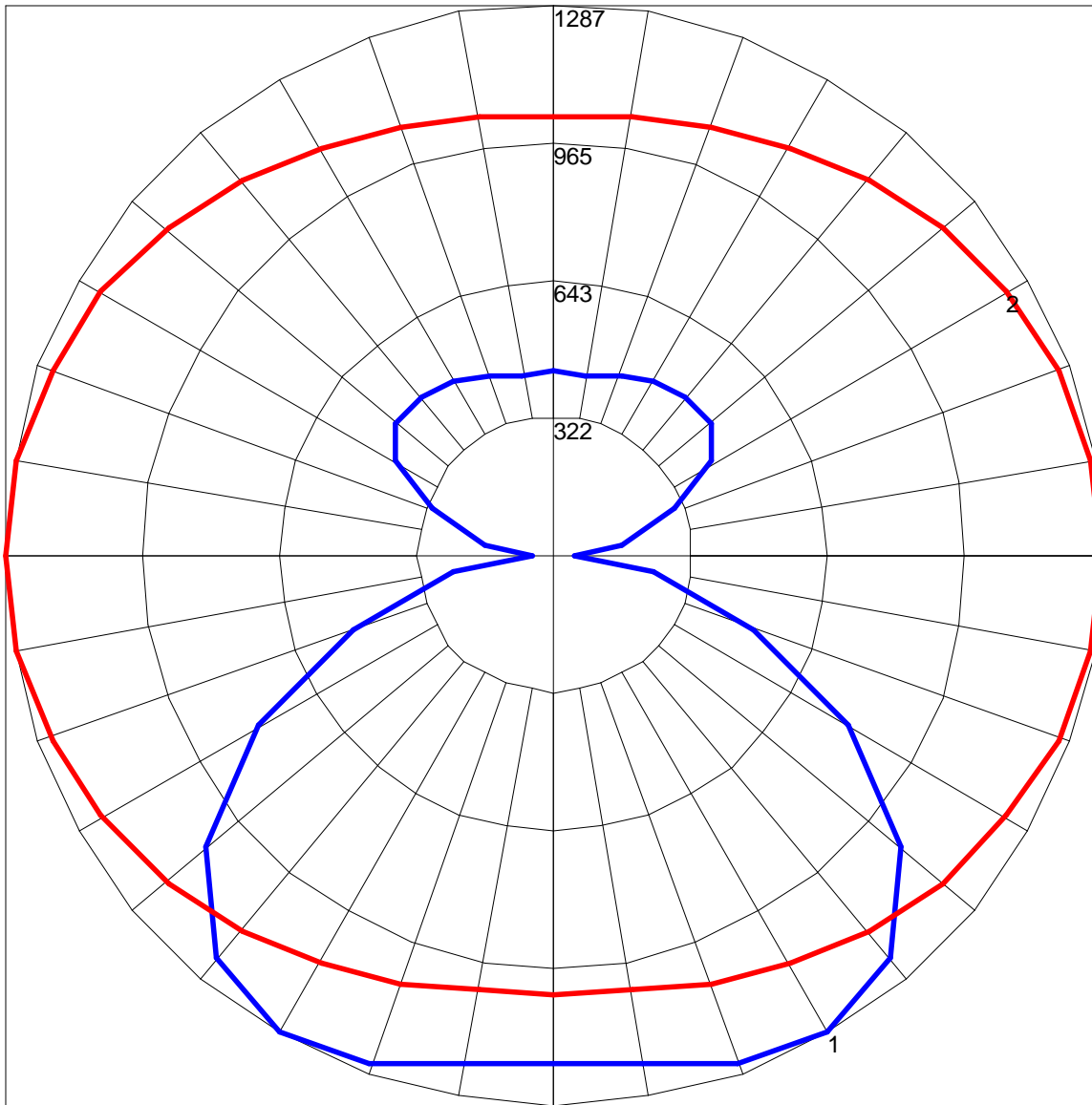
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	112	112	112	106	106	106	106	95	95	95	84	84	84	75	75	75	70
1	101	96	92	88	96	91	87	84	82	79	76	73	70	68	65	63	61	57
2	92	84	77	71	86	79	73	68	71	66	62	63	59	56	56	53	51	47
3	83	73	65	58	78	69	62	56	62	56	51	55	51	47	49	45	42	39
4	76	64	55	49	71	61	53	47	55	48	43	49	44	39	43	39	36	33
5	70	57	48	42	65	54	46	40	49	42	37	44	38	34	39	34	31	28
6	64	51	42	36	60	48	40	35	44	37	32	39	34	29	35	30	27	24
7	59	46	37	31	56	44	36	30	39	33	28	35	30	26	32	27	24	21
8	55	42	33	28	52	40	32	27	36	29	25	32	27	23	29	24	21	19
9	51	38	30	24	48	36	29	24	33	26	22	30	24	20	27	22	19	17
10	48	35	27	22	45	33	26	21	30	24	20	27	22	18	25	20	17	15

POLAR GRAPH



Maximum Candela = 1286.875 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)