



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CURV-4-LED-3070-FL-HO-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-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	4115
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	49
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	3941	3483	2817
55	3941	3506	2727
65	3741	3406	2553
75	3485	3242	2307
85	4089	3904	2866

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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	804.936	804.936	804.936	804.936	804.936	804.936	804.936	804.936	804.936	804.936
10	819.949	819.221	814.970	810.331	806.280	800.097	796.137	793.567	790.293	790.533
20	853.601	849.510	839.125	826.648	810.530	794.350	778.940	766.568	757.926	756.682
30	872.407	865.878	852.198	830.334	803.497	773.970	744.753	719.974	700.701	695.018
40	835.103	829.720	812.795	789.409	757.094	720.078	678.542	645.365	622.234	610.796
50	719.696	714.989	703.315	683.294	654.415	616.377	578.931	543.177	513.517	500.752
60	541.496	539.579	532.432	519.618	501.023	472.234	442.222	411.688	385.952	371.994
70	340.639	341.325	338.628	335.670	324.710	308.385	283.502	265.664	247.312	229.987
80	162.586	164.488	164.114	161.162	155.951	147.372	136.755	124.681	113.394	103.171
90	36.234	37.111	37.977	38.257	38.353	38.015	37.505	36.929	36.500	36.182
100	107.780	109.606	116.138	118.630	110.159	92.297	81.278	73.412	65.310	61.843
110	207.956	219.184	204.825	200.613	196.566	181.841	170.167	148.356	123.590	119.199
120	291.779	276.278	263.272	251.384	242.663	223.976	206.381	186.432	167.995	162.455
130	326.700	237.776	300.468	277.067	260.328	244.704	234.063	215.855	202.376	197.578
140	328.434	256.854	299.618	283.604	253.817	273.855	255.788	239.106	230.619	228.740
150	318.377	300.942	239.871	295.913	302.383	261.565	248.182	249.986	251.002	252.295
160	302.761	311.230	269.189	245.195	256.853	276.941	282.087	278.491	272.234	268.796
170	285.160	293.865	290.816	278.881	263.458	253.148	248.222	246.939	246.965	247.796
180	287.698	287.698	287.698	287.698	287.698	287.698	287.698	287.698	287.698	287.698

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	304.59	N.A.	7.40
0-30	672.40	N.A.	16.30
0-40	1148.9	N.A.	27.90
0-60	2166.08	N.A.	52.60
0-80	2788.58	N.A.	67.80
0-90	2887.85	N.A.	70.20
10-90	2811.06	N.A.	68.30
20-40	844.31	N.A.	20.50
20-50	1369.06	N.A.	33.30
40-70	1402.75	N.A.	34.10
60-80	622.51	N.A.	15.10
70-80	236.93	N.A.	5.80
80-90	99.27	N.A.	2.40
90-110	216.64	N.A.	5.30
90-120	418.16	N.A.	10.20
90-130	631.49	N.A.	15.30
90-150	997.46	N.A.	24.20
90-180	1226.84	N.A.	29.80
110-180	1010.2	N.A.	24.60
0-180	4114.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	76.79
10-20	227.80
20-30	367.82
30-40	476.50
40-50	524.75
50-60	492.43
60-70	385.58
70-80	236.93
80-90	99.27
90-100	72.04
100-110	144.60
110-120	201.51
120-130	213.34
130-140	198.20
140-150	167.77
150-160	126.34
160-170	76.64
170-180	26.40

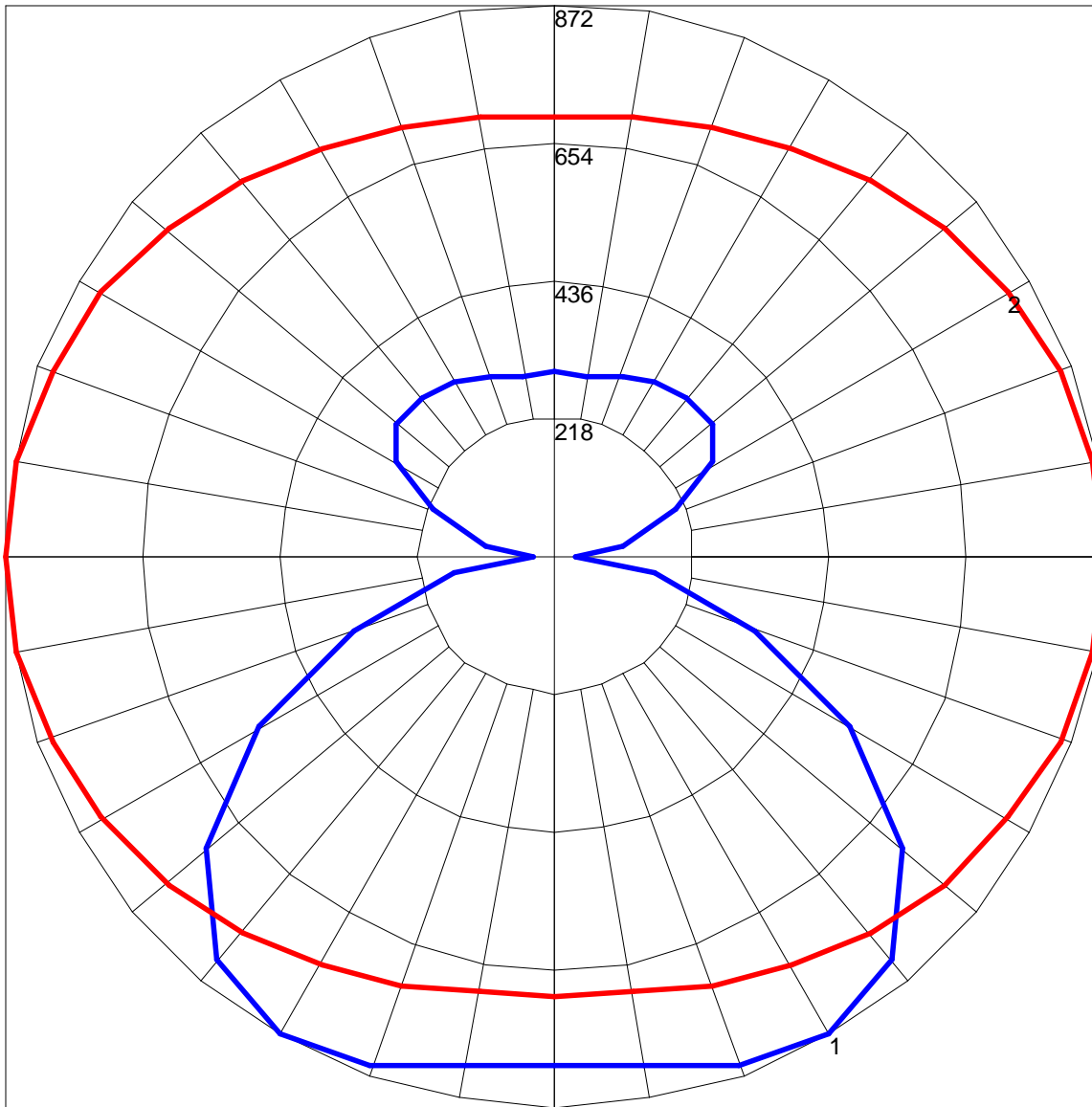
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 872.407 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.)