



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-3070-FL-VHO-35.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-8-LED-3070-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	12516
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	144
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)	8.00 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	5990	5296	4284
55	5990	5332	4149
65	5686	5181	3883
75	5294	4928	3506
85	6218	5939	4370

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : CURV-8-LED-3070-FL-VHO-35.IES

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	2447.411	2447.411	2447.411	2447.411	2447.411	2447.411	2447.411	2447.411	2447.411	2447.411
10	2493.050	2493.050	2478.788	2464.525	2453.116	2433.148	2421.738	2413.181	2404.624	2404.624
20	2595.739	2584.329	2552.952	2513.017	2464.525	2416.034	2370.394	2330.460	2304.788	2301.935
30	2652.788	2632.820	2592.886	2524.427	2444.558	2353.279	2264.853	2190.689	2130.788	2113.673
40	2538.689	2524.427	2473.083	2401.771	2301.935	2190.689	2065.181	1962.492	1891.181	1856.951
50	2187.837	2173.574	2139.345	2079.443	1991.017	1874.066	1759.968	1651.574	1563.148	1523.214
60	1645.869	1640.164	1620.197	1580.263	1523.214	1437.640	1346.361	1252.230	1175.213	1132.427
70	1035.443	1038.295	1029.738	1021.181	986.951	938.459	861.443	807.246	753.049	698.853
80	493.476	499.180	499.180	490.623	473.508	447.836	416.459	379.377	345.148	313.771
90	111.246	114.098	114.098	116.951	116.951	116.951	114.098	111.246	111.246	111.246
100	328.033	333.738	353.705	359.410	333.738	279.541	248.164	222.492	199.672	188.262
110	633.246	667.476	621.836	610.426	599.017	553.377	516.295	450.689	376.525	362.262
120	887.115	841.476	801.541	764.459	738.787	681.738	627.541	567.640	510.590	493.476
130	992.656	724.525	912.787	841.476	792.984	744.492	713.115	656.066	616.131	601.869
140	998.361	781.574	909.935	861.443	773.017	832.918	778.722	727.377	701.705	696.000
150	966.984	915.640	730.230	901.377	918.492	795.836	755.902	761.607	764.459	767.312
160	921.345	947.017	818.656	744.492	781.574	841.476	858.590	847.181	827.213	818.656
170	867.148	892.820	884.263	847.181	801.541	770.164	755.902	750.197	750.197	753.049
180	875.705	875.705	875.705	875.705	875.705	875.705	875.705	875.705	875.705	875.705

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-3070-FL-VHO-35.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	926.40	N.A.	7.40
0-30	2045.06	N.A.	16.30
0-40	3494.32	N.A.	27.90
0-60	6588.24	N.A.	52.60
0-80	8481.53	N.A.	67.80
0-90	8783.5	N.A.	70.20
10-90	8549.97	N.A.	68.30
20-40	2567.92	N.A.	20.50
20-50	4163.98	N.A.	33.30
40-70	4266.75	N.A.	34.10
60-80	1893.29	N.A.	15.10
70-80	720.46	N.A.	5.80
80-90	301.97	N.A.	2.40
90-110	658.89	N.A.	5.30
90-120	1271.97	N.A.	10.20
90-130	1921.06	N.A.	15.30
90-150	3034.35	N.A.	24.20
90-180	3732.06	N.A.	29.80
110-180	3073.17	N.A.	24.60
0-180	12515.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	233.54
10-20	692.86
20-30	1118.66
30-40	1449.26
40-50	1596.06
50-60	1497.86
60-70	1172.83
70-80	720.46
80-90	301.97
90-100	219.15
100-110	439.74
110-120	613.08
120-130	649.09
130-140	602.89
140-150	510.40
150-160	384.35
160-170	233.05
170-180	80.31

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-3070-FL-VHO-35.IES

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-3070-FL-VHO-35.IES

UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	16.8	17.9	17.6	18.7	19.7	UGR Viewed Endwise				
	3H	18.7	19.7	19.5	20.5	21.5	15.0	16.1	15.7	16.9	17.8
	4H	19.4	20.4	20.2	21.2	22.2	16.7	17.7	17.5	18.5	19.5
	6H	20.0	20.9	20.8	21.7	22.7	17.4	18.3	18.1	19.1	20.1
	8H	20.3	21.1	21.1	22.0	23.0	17.8	18.7	18.6	19.6	20.6
	12H	20.5	21.3	21.3	22.1	23.2	18.1	18.9	18.9	19.7	20.7

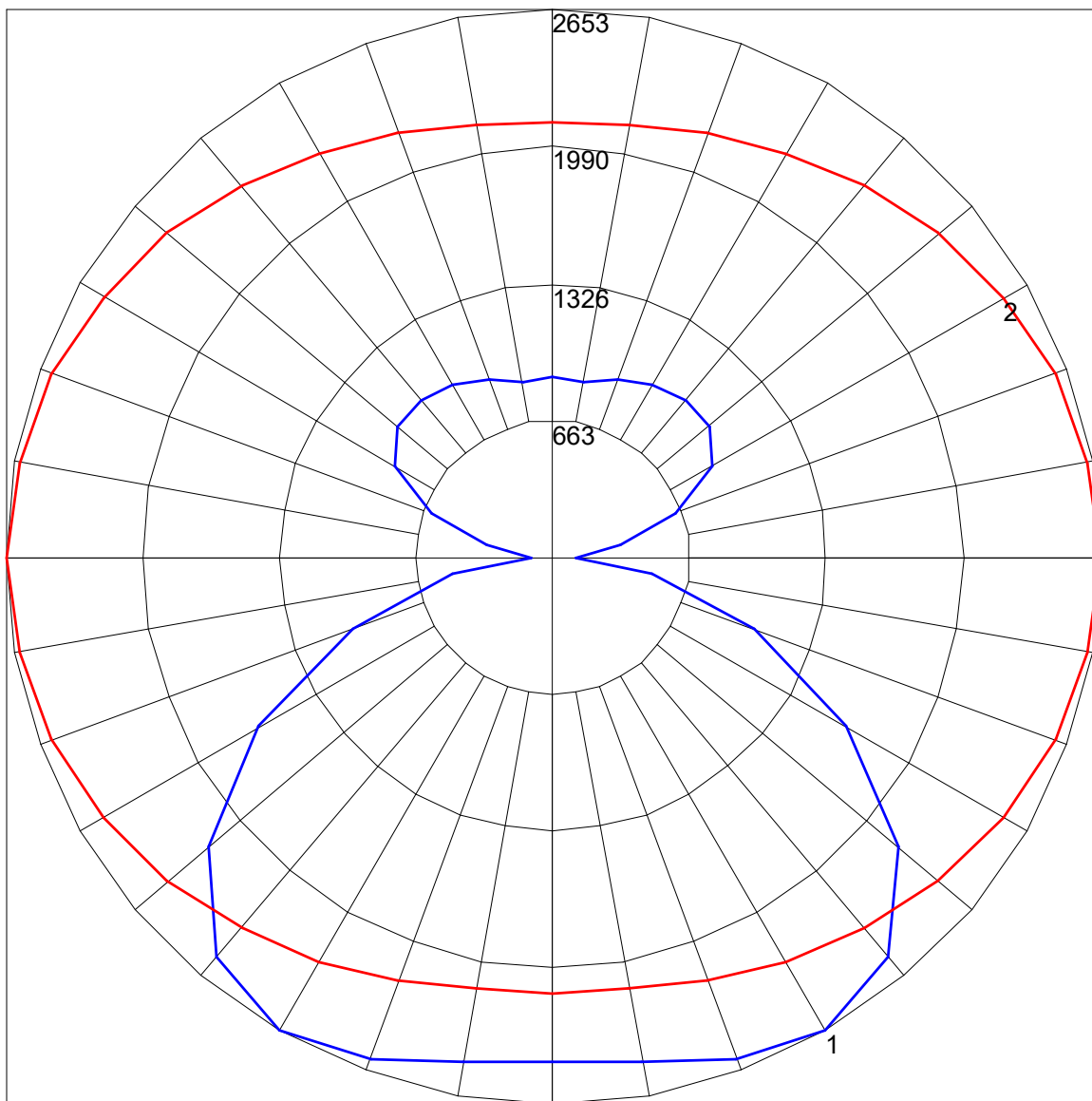
4H	2H	17.3	18.3	18.1	19.1	20.1	18.3	19.1	19.1	19.9	20.9
	3H	19.4	20.3	20.2	21.1	22.1	15.9	16.8	16.7	17.6	18.6
	4H	20.3	21.1	21.2	21.9	23.0	17.8	18.6	18.6	19.5	20.5
	6H	21.1	21.7	21.9	22.6	23.6	18.6	19.4	19.4	20.2	21.2
	8H	21.4	22.0	22.3	22.9	23.9	19.2	19.9	20.1	20.8	21.8
	12H	21.7	22.3	22.6	23.1	24.2	19.5	20.1	20.4	21.0	22.0

8H	4H	20.6	21.2	21.5	22.1	23.1	19.8	20.3	20.6	21.2	22.3
	6H	21.5	22.0	22.4	22.9	24.0	19.1	19.7	20.0	20.6	21.7
	8H	22.0	22.4	22.8	23.3	24.4	19.9	20.4	20.8	21.3	22.4
	12H	22.4	22.8	23.3	23.7	24.8	20.3	20.8	21.2	21.7	22.7

12H	4H	20.6	21.2	21.5	22.0	23.1	20.7	21.1	21.6	22.0	23.1
	6H	21.6	22.1	22.5	22.9	24.0	19.2	19.8	20.1	20.6	21.7
	8H	22.1	22.5	23.0	23.4	24.5	20.1	20.5	21.0	21.4	22.5

Maximum UGR = 24.8

POLAR GRAPH



Maximum Candela = 2652.788 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.)