



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-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-8-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	8230
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	98
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	3939	3482	2817
55	3939	3506	2728
65	3739	3407	2553
75	3481	3241	2306
85	4089	3905	2874

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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	1609.316	1609.316	1609.316	1609.316	1609.316	1609.316	1609.316	1609.316	1609.316	1609.316
10	1639.327	1639.327	1629.948	1620.570	1613.068	1599.938	1592.435	1586.808	1581.181	1581.181
20	1706.851	1699.348	1678.716	1652.456	1620.570	1588.684	1558.673	1532.414	1515.533	1513.658
30	1744.364	1731.234	1704.975	1659.959	1607.441	1547.419	1489.274	1440.507	1401.118	1389.864
40	1669.337	1659.959	1626.197	1579.306	1513.658	1440.507	1357.978	1290.454	1243.563	1221.055
50	1438.631	1429.253	1406.745	1367.356	1309.211	1232.309	1157.282	1086.007	1027.862	1001.602
60	1082.256	1078.504	1065.375	1039.116	1001.602	945.333	885.311	823.415	772.772	744.637
70	680.865	682.740	677.113	671.486	648.978	617.092	566.449	530.812	495.174	459.537
80	324.489	328.240	328.240	322.614	311.360	294.479	273.846	249.463	226.955	206.323
90	73.151	75.026	75.026	76.902	76.902	76.902	75.026	73.151	73.151	73.151
100	215.701	219.452	232.582	236.333	219.452	183.815	163.182	146.301	131.296	123.794
110	416.397	438.904	408.894	401.391	393.889	363.878	339.494	296.354	247.587	238.209
120	583.330	553.320	527.060	502.677	485.796	448.283	412.645	373.256	335.743	324.489
130	652.730	476.418	600.211	553.320	521.433	489.547	468.915	431.402	405.143	395.764
140	656.481	513.931	598.336	566.449	508.304	547.693	512.055	478.293	461.412	457.661
150	635.849	602.087	480.169	592.709	603.963	523.309	497.050	500.801	502.677	504.553
160	605.838	622.719	538.314	489.547	513.931	553.320	564.574	557.071	543.941	538.314
170	570.201	587.082	581.455	557.071	527.060	506.428	497.050	493.299	493.299	495.174
180	575.828	575.828	575.828	575.828	575.828	575.828	575.828	575.828	575.828	575.828

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	609.16	N.A.	7.40
0-30	1344.75	N.A.	16.30
0-40	2297.72	N.A.	27.90
0-60	4332.16	N.A.	52.60
0-80	5577.11	N.A.	67.80
0-90	5775.67	N.A.	70.20
10-90	5622.11	N.A.	68.30
20-40	1688.56	N.A.	20.50
20-50	2738.06	N.A.	33.30
40-70	2805.64	N.A.	34.10
60-80	1244.95	N.A.	15.10
70-80	473.75	N.A.	5.80
80-90	198.56	N.A.	2.40
90-110	433.26	N.A.	5.30
90-120	836.39	N.A.	10.20
90-130	1263.21	N.A.	15.30
90-150	1995.26	N.A.	24.20
90-180	2454.05	N.A.	29.80
110-180	2020.79	N.A.	24.60
0-180	8229.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	153.56
10-20	455.60
20-30	735.59
30-40	952.97
40-50	1049.5
50-60	984.93
60-70	771.20
70-80	473.75
80-90	198.56
90-100	144.11
100-110	289.15
110-120	403.13
120-130	426.82
130-140	396.44
140-150	335.62
150-160	252.74
160-170	153.24
170-180	52.81

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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

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UGR TABLE - CORRECTED

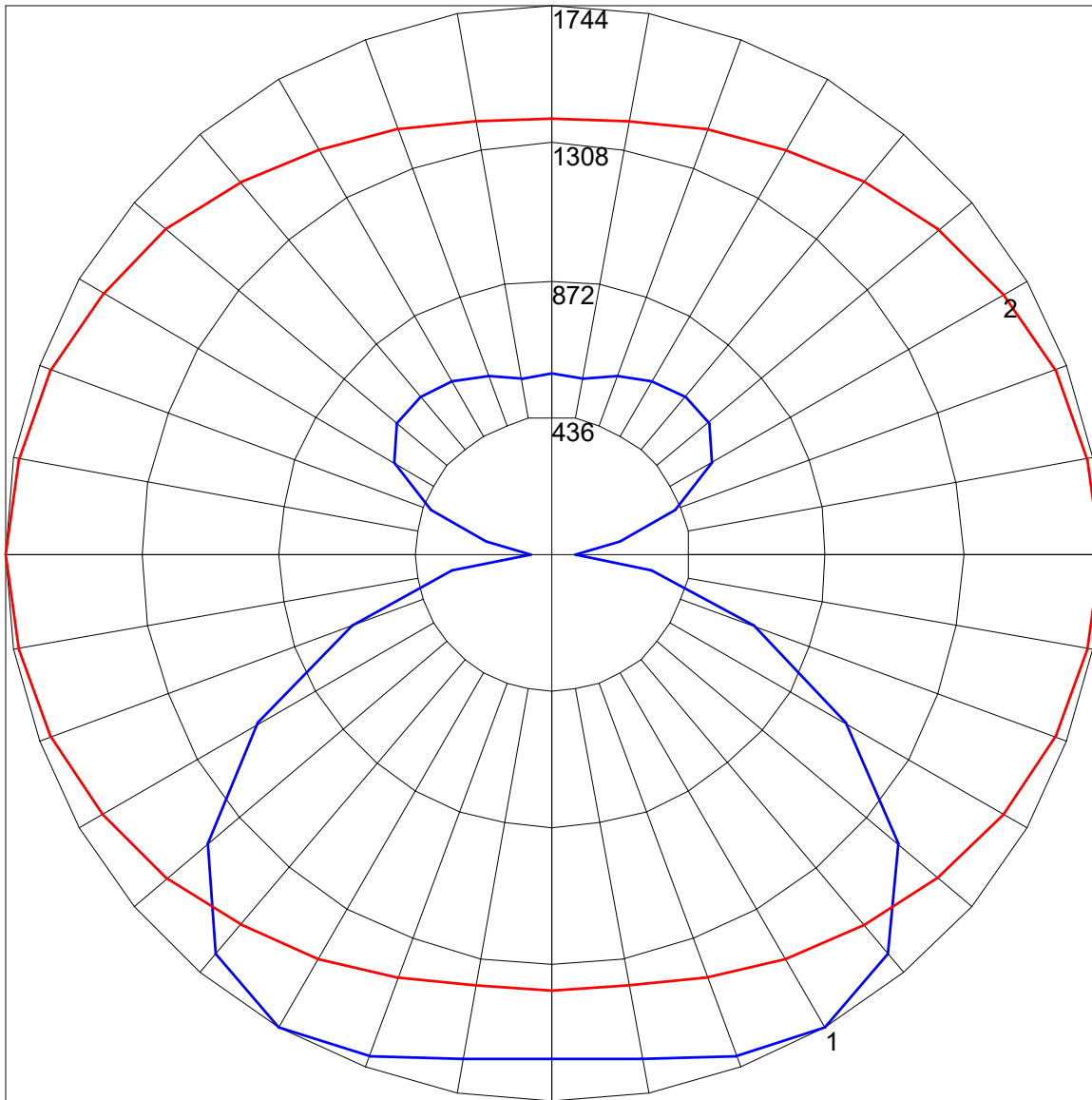
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	15.3	16.5	16.1	17.2	18.2	13.5	14.6	14.2	15.4	16.3
	3H	17.2	18.2	18.0	19.0	20.0	15.2	16.2	16.0	17.0	18.0
	4H	17.9	18.9	18.7	19.7	20.7	15.9	16.8	16.6	17.6	18.6
	6H	18.5	19.4	19.3	20.2	21.2	16.3	17.2	17.1	18.1	19.1
	8H	18.8	19.6	19.6	20.5	21.5	16.6	17.4	17.4	18.2	19.2
	12H	19.0	19.8	19.8	20.6	21.7	16.8	17.6	17.6	18.4	19.4
4H	2H	15.8	16.8	16.6	17.6	18.6	14.4	15.3	15.2	16.1	17.1
	3H	17.9	18.8	18.7	19.6	20.6	16.3	17.1	17.1	18.0	19.0
	4H	18.8	19.6	19.7	20.4	21.5	17.1	17.9	17.9	18.7	19.7
	6H	19.6	20.2	20.4	21.1	22.1	17.7	18.4	18.6	19.3	20.3
	8H	19.9	20.5	20.8	21.4	22.4	18.0	18.6	18.9	19.5	20.5
	12H	20.2	20.8	21.1	21.6	22.7	18.3	18.8	19.1	19.7	20.8
8H	4H	19.1	19.7	20.0	20.6	21.6	17.6	18.2	18.5	19.1	20.2
	6H	20.0	20.5	20.9	21.4	22.5	18.4	18.9	19.3	19.8	20.9
	8H	20.5	20.9	21.4	21.8	22.9	18.8	19.3	19.7	20.2	21.2
	12H	20.9	21.3	21.8	22.2	23.3	19.2	19.6	20.1	20.5	21.6
12H	4H	19.1	19.7	20.0	20.5	21.6	17.7	18.3	18.6	19.1	20.2
	6H	20.1	20.6	21.0	21.4	22.5	18.6	19.0	19.5	19.9	21.0
	8H	20.6	21.0	21.5	21.9	23.0	19.1	19.4	19.9	20.3	21.5

Maximum UGR = 23.3

POLAR GRAPH



Maximum Candela = 1744.364 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.)