IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-3070-FL-SS-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 SS 30 70
[TESTLAB] Dekko
[ISSUEDATE] 6/29/2017
[TESTDATE] 03-31-2017
[LUMCAT] CURV-8-LED-3070-FL-SS-40
[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	7310
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	81.2
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	3499	3093	2502
55	3498	3114	2423
65	3321	3026	2268
75	3092	2878	2048
85	3632	3469	2552

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CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0	1429.428	1429.428	1429.428	1429.428	1429.428	1429.428	1429.428	1429.428	1429.428	1429.428
10	1456.084	1456.084	1447.754	1439.424	1432.760	1421.098	1414.434	1409.436	1404.438	1404.438
20	1516.060	1509.396	1491.070	1467.746	1439.424	1411.102	1384.446	1361.122	1346.128	1344.462
30	1549.380	1537.718	1514.394	1474.410	1427.762	1374.450	1322.804	1279.488	1244.502	1234.506
40	1482.740	1474.410	1444.422	1402.772	1344.462	1279.488	1206.184	1146.208	1104.558	1084.566
50	1277.822	1269.492	1249.500	1214.514	1162.868	1094.562	1027.922	964.614	912.968	889.644
60	961.282	957.950	946.288	922.964	889.644	839.664	786.352	731.374	686.392	661.402
70	604.758	606.424	601.426	596.428	576.436	548.114	503.132	471.478	439.824	408.170
80	288.218	291.550	291.550	286.552	276.556	261.562	243.236	221.578	201.586	183.260
90	64.974	66.640	66.640	68.306	68.306	68.306	66.640	64.974	64.974	64.974
100	191.590	194.922	206.584	209.916	194.922	163.268	144.942	129.948	116.620	109.956
110	369.852	389.844	363.188	356.524	349.860	323.204	301.546	263.228	219.912	211.582
120	518.126	491.470	468.146	446.488	431.494	398.174	366.520	331.534	298.214	288.218
130	579.768	423.164	533.120	491.470	463.148	434.826	416.500	383.180	359.856	351.526
140	583.100	456.484	531.454	503.132	451.486	486.472	454.818	424.830	409.836	406.504
150	564.774	534.786	426.496	526.456	536.452	464.814	441.490	444.822	446.488	448.154
160	538.118	553.112	478.142	434.826	456.484	491.470	501.466	494.802	483.140	478.142
170	506.464	521.458	516.460	494.802	468.146	449.820	441.490	438.158	438.158	439.824
180	511.462	511.462	511.462	511.462	511.462	511.462	511.462	511.462	511.462	511.462

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	541.07	N.A.	7.40
0-30	1194.43	N.A.	16.30
0-40	2040.88	N.A.	27.90
0-60	3847.91	N.A.	52.60
0-80	4953.7	N.A.	67.80
0-90	5130.07	N.A.	70.20
10-90	4993.67	N.A.	68.30
20-40	1499.81	N.A.	20.50
20-50	2432.00	N.A.	33.30
40-70	2492.03	N.A.	34.10
60-80	1105.79	N.A.	15.10
70-80	420.79	N.A.	5.80
80-90	176.37	N.A.	2.40
90-110	384.83	N.A.	5.30
90-120	742.90	N.A.	10.20
90-130	1122.01	N.A.	15.30
90-150	1772.23	N.A.	24.20
90-180	2179.74	N.A.	29.80
110-180	1794.91	N.A.	24.60
0-180	7309.81	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	136.40
10-20	404.67
20-30	653.36
30-40	846.45
40-50	932.19
50-60	874.84
60-70	685.00
70-80	420.79
80-90	176.37
90-100	128.00
100-110	256.83
110-120	358.07
120-130	379.11
130-140	352.12
140-150	298.10
150-160	224.49
160-170	136.11
170-180	46.90

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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	14.9	16.0	15.7	16.8	17.8	13.1	14.2	13.8	15.0	15.9
	3H	16.8	17.8	17.6	18.6	19.6	14.8	15.8	15.6	16.6	17.6
	4H	17.5	18.5	18.3	19.3	20.3	15.5	16.4	16.2	17.2	18.2
	6H	18.1	19.0	18.9	19.8	20.8	15.9	16.8	16.7	17.7	18.7
	8H	18.4	19.2	19.2	20.1	21.1	16.2	17.0	17.0	17.8	18.8
	12H	18.6	19.4	19.4	20.2	21.3	16.4	17.2	17.2	18.0	19.0
4H	2H	15.4	16.4	16.2	17.2	18.2	14.0	14.9	14.8	15.7	16.7
	3H	17.5	18.3	18.3	19.2	20.2	15.9	16.7	16.7	17.6	18.6
	4H	18.4	19.2	19.3	20.0	21.1	16.7	17.5	17.5	18.3	19.3
	6H	19.2	19.8	20.0	20.7	21.7	17.3	18.0	18.2	18.9	19.9
	8H	19.5	20.1	20.4	21.0	22.0	17.6	18.2	18.5	19.1	20.1
	12H	19.8	20.4	20.7	21.2	22.3	17.9	18.4	18.7	19.3	20.4
8H	4H	18.7	19.3	19.6	20.2	21.2	17.2	17.8	18.1	18.7	19.8
	6H	19.6	20.1	20.5	21.0	22.1	18.0	18.5	18.9	19.4	20.5
	8H	20.1	20.5	20.9	21.4	22.5	18.4	18.9	19.3	19.8	20.8
	12H	20.5	20.9	21.4	21.8	22.9	18.8	19.2	19.7	20.1	21.2
12H	4H	18.7	19.3	19.6	20.1	21.2	17.3	17.9	18.2	18.7	19.8
	6H	19.7	20.2	20.6	21.0	22.1	18.2	18.6	19.1	19.5	20.6
	8H	20.2	20.6	21.1	21.5	22.6	18.7	19.0	19.5	19.9	21.1

Maximum UGR = 22.9

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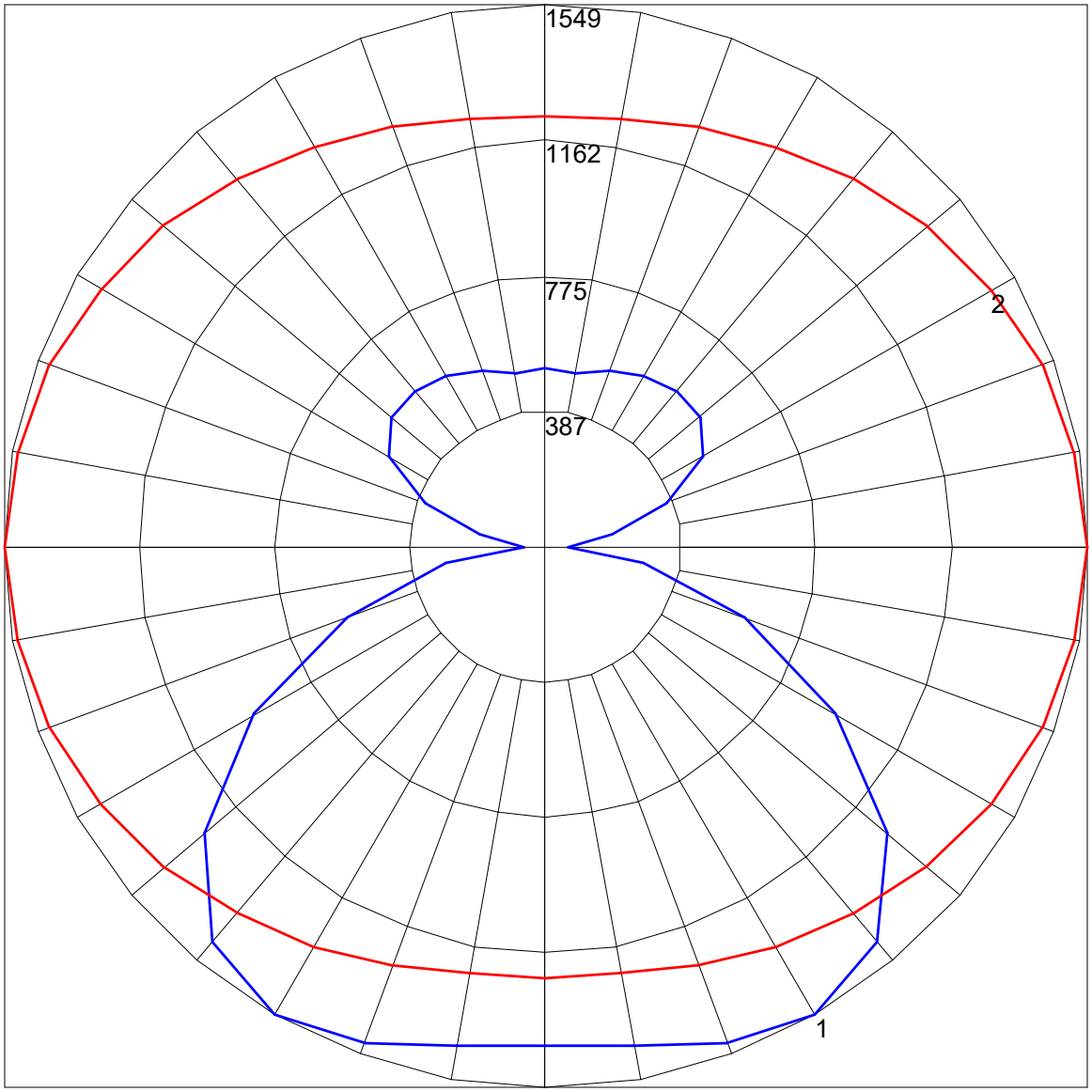
POLAR GRAPH



Maximum Candela = 1549.38 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.)

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