



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-3070-FL-SS-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 SS 30 70
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 03-31-2017
[LUMCAT] CURV-4-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	3655
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	40.6
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	3500	3093	2503
55	3500	3114	2422
65	3323	3025	2268
75	3095	2880	2049
85	3632	3468	2545

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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	714.961	714.961	714.961	714.961	714.961	714.961	714.961	714.961	714.961	714.961
10	728.296	727.649	723.873	719.753	716.154	710.663	707.145	704.863	701.955	702.168
20	758.186	754.552	745.328	734.246	719.929	705.559	691.871	680.882	673.206	672.100
30	774.890	769.091	756.940	737.520	713.683	687.457	661.505	639.496	622.377	617.330
40	741.756	736.974	721.941	701.169	672.467	639.588	602.695	573.226	552.681	542.522
50	639.249	635.068	624.699	606.915	581.265	547.478	514.218	482.461	456.117	444.779
60	480.968	479.265	472.917	461.535	445.019	419.448	392.791	365.670	342.810	330.413
70	302.562	303.172	300.776	298.149	288.415	273.914	251.813	235.968	219.668	204.279
80	144.412	146.102	145.769	143.148	138.519	130.899	121.469	110.744	100.719	91.638
90	32.184	32.963	33.732	33.981	34.066	33.766	33.313	32.801	32.420	32.138
100	95.733	97.354	103.156	105.370	97.846	81.981	72.193	65.206	58.010	54.931
110	184.711	194.684	181.930	178.189	174.594	161.515	151.146	131.773	109.775	105.875
120	259.164	245.396	233.844	223.285	215.538	198.940	183.312	165.593	149.217	144.296
130	290.181	211.197	266.882	246.097	231.228	217.351	207.899	191.727	179.755	175.493
140	291.722	228.143	266.127	251.903	225.446	243.243	227.197	212.379	204.841	203.171
150	282.789	267.303	213.058	262.836	268.583	232.328	220.440	222.043	222.945	224.094
160	268.918	276.441	239.099	217.787	228.142	245.985	250.556	247.362	241.804	238.750
170	253.285	261.017	258.309	247.708	234.009	224.852	220.476	219.336	219.360	220.098
180	255.539	255.539	255.539	255.539	255.539	255.539	255.539	255.539	255.539	255.539

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	270.54	N.A.	7.40
0-30	597.24	N.A.	16.30
0-40	1020.48	N.A.	27.90
0-60	1923.95	N.A.	52.60
0-80	2476.88	N.A.	67.80
0-90	2565.05	N.A.	70.20
10-90	2496.84	N.A.	68.30
20-40	749.94	N.A.	20.50
20-50	1216.03	N.A.	33.30
40-70	1245.95	N.A.	34.10
60-80	552.92	N.A.	15.10
70-80	210.45	N.A.	5.80
80-90	88.17	N.A.	2.40
90-110	192.43	N.A.	5.30
90-120	371.42	N.A.	10.20
90-130	560.91	N.A.	15.30
90-150	885.96	N.A.	24.20
90-180	1089.71	N.A.	29.80
110-180	897.28	N.A.	24.60
0-180	3654.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	68.21
10-20	202.33
20-30	326.70
30-40	423.23
40-50	466.09
50-60	437.38
60-70	342.48
70-80	210.45
80-90	88.17
90-100	63.99
100-110	128.44
110-120	178.99
120-130	189.49
130-140	176.04
140-150	149.01
150-160	112.22
160-170	68.08
170-180	23.45

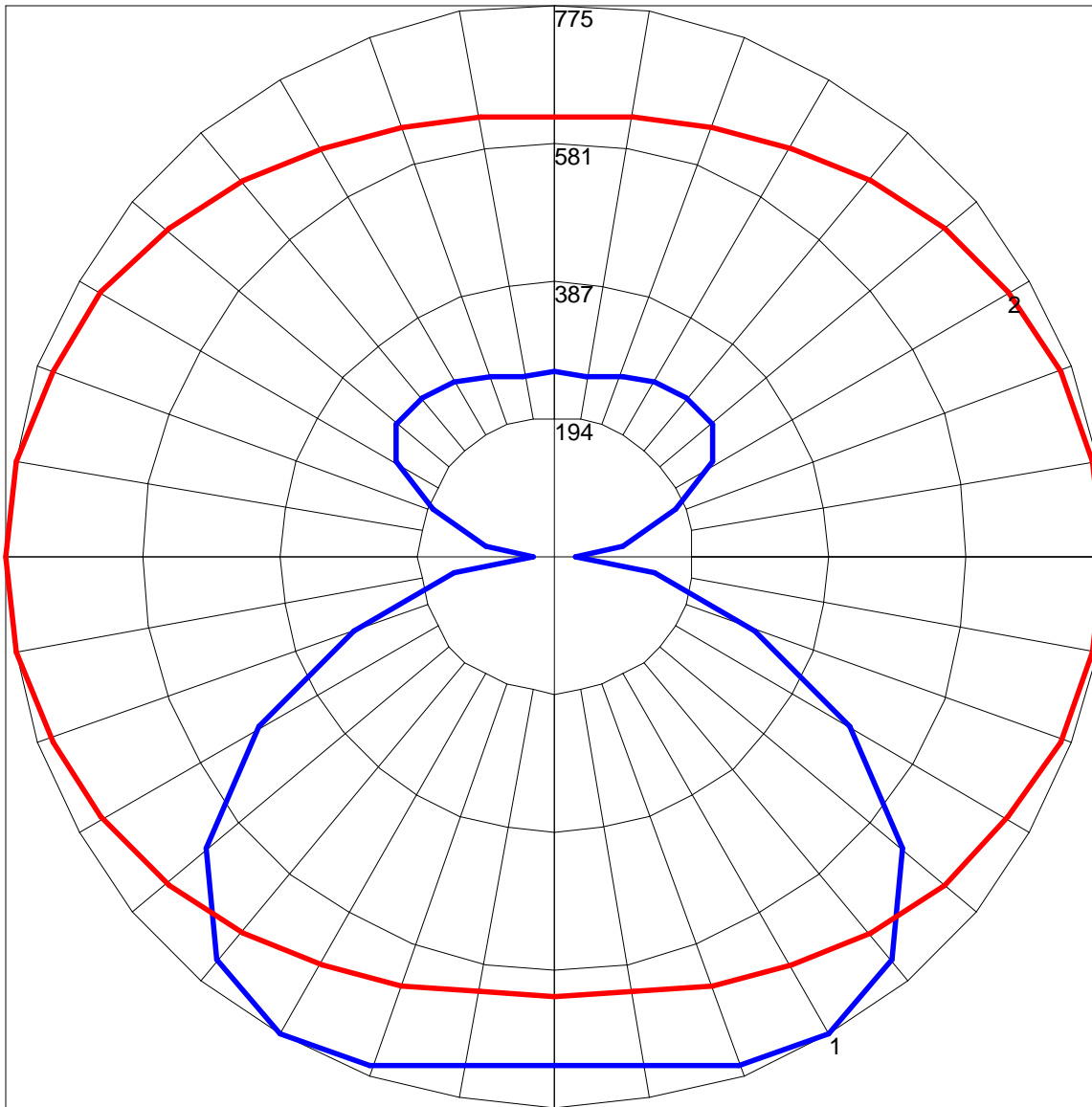
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 774.89 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.)