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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 SS
[TESTLAB] Dekko
[ISSUEDATE] 6/29/2017
[TESTDATE] 03-31-2017
[LUMCAT] CURV-8-LED-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	10687
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	81.2
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
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	1609	1244	823
55	1713	1365	875
65	1675	1406	908
75	1604	1428	952
85	2227	2124	1593

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CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0	353.192	353.192	353.192	353.192	353.192	353.192	353.192	353.192	353.192	353.192
10	386.512	388.178	384.846	379.848	373.184	366.520	361.522	356.524	353.192	354.858
20	471.478	471.478	459.816	443.156	423.164	401.506	383.180	368.186	358.190	358.190
30	588.098	579.768	556.444	524.790	486.472	444.822	408.170	379.848	361.522	356.524
40	653.072	648.074	623.084	576.436	528.122	474.810	419.832	378.182	351.526	341.530
50	616.420	614.754	593.096	556.444	506.464	453.152	396.508	351.526	319.872	308.210
60	479.808	481.474	471.478	449.820	413.168	374.850	329.868	291.550	263.228	251.566
70	309.876	311.542	308.210	298.214	279.888	258.230	231.574	206.584	186.592	176.596
80	153.272	156.604	156.604	153.272	148.274	138.278	128.282	116.620	104.958	98.294
90	63.308	63.308	63.308	63.308	63.308	63.308	61.642	59.976	58.310	56.644
100	618.086	596.428	596.428	581.434	531.454	461.482	391.510	319.872	243.236	204.918
110	1925.896	1894.242	1832.600	1717.646	1581.034	1399.440	1187.858	924.630	648.074	508.130
120	2410.702	2370.718	2299.080	2185.792	2012.528	1805.944	1532.720	1227.842	947.954	813.008
130	2538.984	2505.664	2422.364	2297.414	2130.814	1912.568	1657.670	1406.104	1156.204	1067.906
140	2424.030	2394.042	2324.070	2212.448	2067.506	1914.234	1722.644	1507.730	1316.140	1261.162
150	2222.444	2200.786	2162.468	2109.156	1987.538	1845.928	1705.984	1532.720	1437.758	1402.772
160	1989.204	1970.878	1939.224	1890.910	1824.270	1735.972	1641.010	1574.370	1534.386	1506.064
170	1714.314	1709.316	1695.988	1674.330	1657.670	1637.678	1622.684	1601.026	1584.366	1579.368
180	1609.356	1609.356	1609.356	1609.356	1609.356	1609.356	1609.356	1609.356	1609.356	1609.356

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	145.69	N.A.	1.40
0-30	349.81	N.A.	3.30
0-40	653.84	N.A.	6.10
0-60	1413.92	N.A.	13.20
0-80	1940.65	N.A.	18.20
0-90	2048.85	N.A.	19.20
10-90	2014.31	N.A.	18.80
20-40	508.15	N.A.	4.80
20-50	884.68	N.A.	8.30
40-70	1078.00	N.A.	10.10
60-80	526.73	N.A.	4.90
70-80	208.81	N.A.	2.00
80-90	108.20	N.A.	1.00
90-110	1256.13	N.A.	11.80
90-120	2822.09	N.A.	26.40
90-130	4481.18	N.A.	41.90
90-150	7159.52	N.A.	67.00
90-180	8637.94	N.A.	80.80
110-180	7381.81	N.A.	69.10
0-180	10686.79	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	34.54
10-20	111.15
20-30	204.11
30-40	304.03
40-50	376.53
50-60	383.55
60-70	317.92
70-80	208.81
80-90	108.20
90-100	284.27
100-110	971.86
110-120	1565.96
120-130	1659.08
130-140	1488.38
140-150	1189.96
150-160	839.68
160-170	483.29
170-180	155.46

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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	90	86	82	79	79	76	73	70	57	55	53	40	38	37	24	23	22	15
2	82	75	69	63	72	66	61	57	49	46	43	34	32	30	20	19	18	12
3	74	65	58	52	65	57	51	47	43	39	36	30	27	25	18	16	15	10
4	68	57	49	44	59	51	44	39	38	33	30	26	23	21	16	14	13	8
5	62	51	43	37	54	45	38	33	34	29	25	23	20	18	14	12	11	7
6	57	45	37	32	50	40	33	28	30	25	22	21	18	15	12	11	9	6
7	52	40	33	27	46	36	29	24	27	22	19	19	16	13	11	9	8	5
8	48	36	29	24	42	32	26	21	24	20	16	17	14	12	10	8	7	4
9	45	33	26	21	39	29	23	19	22	18	14	15	12	10	9	7	6	4
10	42	30	23	18	36	27	20	16	20	16	13	14	11	9	8	7	5	3

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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	8.2	8.2	8.7	9.4	11.0	8.2	8.2	8.2	8.2	8.2
	3H	9.5	10.1	10.7	11.3	12.9	8.2	8.2	8.2	8.2	9.4
	4H	10.3	10.8	11.5	12.0	13.7	8.2	8.2	8.2	8.5	10.2
	6H	10.9	11.4	12.1	12.6	14.3	8.2	8.2	8.7	9.2	10.8
	8H	11.2	11.7	12.4	12.9	14.5	8.2	8.3	9.0	9.5	11.2
	12H	11.5	12.0	12.7	13.1	14.8	8.2	8.7	9.4	9.9	11.6
4H	2H	8.2	8.5	9.1	9.6	11.3	8.2	8.2	8.2	8.2	8.7
	3H	10.1	10.6	11.3	11.8	13.5	8.2	8.2	8.6	9.1	10.7
	4H	11.1	11.5	12.3	12.7	14.4	8.3	8.8	9.5	9.9	11.6
	6H	11.9	12.3	13.1	13.5	15.2	9.1	9.5	10.3	10.7	12.4
	8H	12.3	12.6	13.5	13.8	15.5	9.5	9.9	10.7	11.1	12.8
	12H	12.7	13.0	13.9	14.2	15.9	10.0	10.3	11.2	11.5	13.2
8H	4H	11.3	11.7	12.5	12.9	14.6	9.0	9.3	10.2	10.5	12.2
	6H	12.3	12.6	13.6	13.9	15.6	10.0	10.3	11.2	11.6	13.3
	8H	12.9	13.1	14.1	14.3	16.1	10.6	10.8	11.8	12.0	13.8
	12H	13.4	13.7	14.7	14.9	16.6	11.2	11.4	12.4	12.6	14.4
12H	4H	11.3	11.6	12.5	12.8	14.5	9.1	9.4	10.3	10.6	12.3
	6H	12.4	12.6	13.6	13.9	15.6	10.2	10.5	11.5	11.7	13.4
	8H	13.0	13.2	14.2	14.4	16.2	10.9	11.1	12.1	12.3	14.1

Maximum UGR = 16.6

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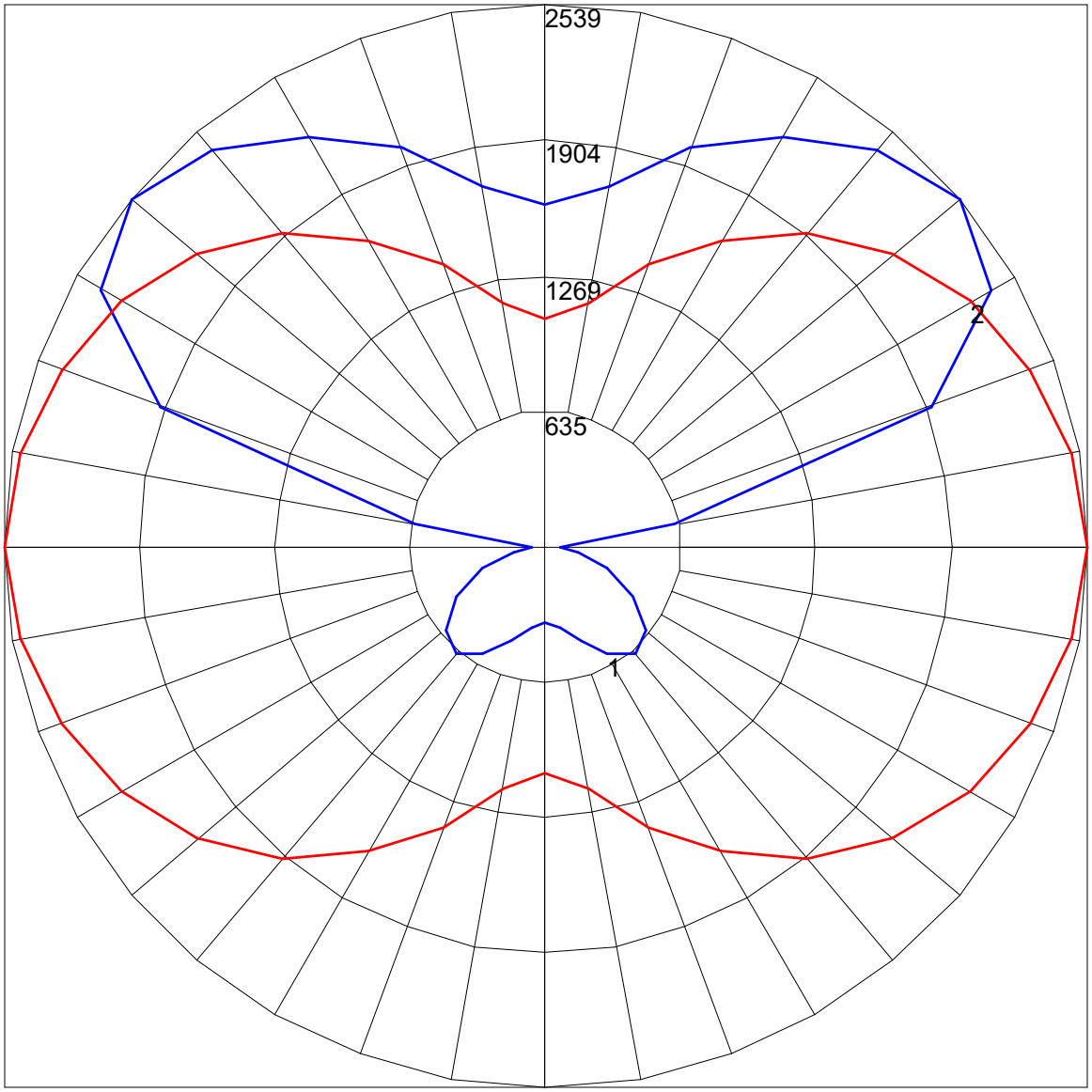
POLAR GRAPH



Maximum Candela = 2538.984 Located At Horizontal Angle = 0, Vertical Angle = 130
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)