



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-2080-FL-HO-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L450 HO NW 20 80  
[TESTLAB] Dekko  
[ISSUE DATE] 6/29/2017  
[TEST DATE] 04-05-2017  
[LUMCAT] CURV-4-LED-2080-FL-HO-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	3914
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	48.5
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.52
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.52
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	4147	3814	3253
55	3918	3694	3141
65	3452	3379	2938
75	2810	2910	2620
85	3028	3329	2960

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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>
<b>0</b>	935.914	935.914	935.914	935.914	935.914	935.914	935.914	935.914	935.914	935.914
<b>10</b>	956.985	954.072	949.482	943.761	937.425	930.480	924.162	919.684	916.393	915.340
<b>20</b>	983.021	977.978	969.046	955.125	938.950	919.874	902.931	887.776	878.837	875.805
<b>30</b>	981.563	976.021	962.710	939.791	914.888	884.984	856.430	831.541	813.866	806.838
<b>40</b>	901.456	896.142	885.230	864.223	837.888	805.423	772.142	738.869	716.856	705.545
<b>50</b>	734.491	733.272	727.726	716.071	697.269	668.551	637.935	609.238	586.850	577.871
<b>60</b>	519.219	520.965	520.494	517.383	508.062	490.673	471.471	450.285	433.911	427.293
<b>70</b>	294.670	297.734	300.480	301.375	300.281	294.271	285.514	278.502	269.629	265.575
<b>80</b>	111.099	114.536	118.248	121.382	122.922	123.054	121.084	117.805	114.873	112.732
<b>90</b>	36.130	37.482	39.010	39.398	39.249	38.556	37.235	36.519	35.236	31.218
<b>100</b>	83.188	83.600	90.098	96.015	92.501	89.058	81.044	71.251	55.408	47.966
<b>110</b>	142.999	143.438	137.860	137.911	135.653	131.957	118.728	98.627	84.551	79.184
<b>120</b>	170.412	172.439	168.692	162.183	151.286	140.537	125.271	113.888	107.902	106.362
<b>130</b>	178.071	182.448	179.945	170.908	162.283	154.094	144.549	137.139	131.285	130.305
<b>140</b>	176.443	183.602	180.836	177.799	172.674	165.090	160.691	155.983	152.247	150.137
<b>150</b>	174.982	181.136	180.829	178.843	178.767	176.308	172.788	168.371	166.193	165.573
<b>160</b>	173.331	178.720	180.614	181.325	180.273	178.515	179.282	177.862	176.296	175.087
<b>170</b>	169.904	176.288	177.648	179.209	179.661	179.256	180.387	180.473	180.439	180.024
<b>180</b>	176.145	176.145	176.145	176.145	176.145	176.145	176.145	176.145	176.145	176.145

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	353.40	N.A.	9.00
0-30	776.00	N.A.	19.80
0-40	1313.28	N.A.	33.60
0-60	2407.14	N.A.	61.50
0-80	3008.76	N.A.	76.90
0-90	3093.76	N.A.	79.00
10-90	3004.48	N.A.	76.80
20-40	959.88	N.A.	24.50
20-50	1534.4	N.A.	39.20
40-70	1479.57	N.A.	37.80
60-80	601.62	N.A.	15.40
70-80	215.92	N.A.	5.50
80-90	84.99	N.A.	2.20
90-110	171.53	N.A.	4.40
90-120	302.80	N.A.	7.70
90-130	437.24	N.A.	11.20
90-150	670.96	N.A.	17.10
90-180	820.32	N.A.	21.00
110-180	648.79	N.A.	16.60
0-180	3914.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	89.28
10-20	264.12
20-30	422.60
30-40	537.27
40-50	574.53
50-60	519.34
60-70	385.71
70-80	215.92
80-90	84.99
90-100	64.31
100-110	107.22
110-120	131.27
120-130	134.45
130-140	126.02
140-150	107.69
150-160	81.79
160-170	50.64
170-180	16.94

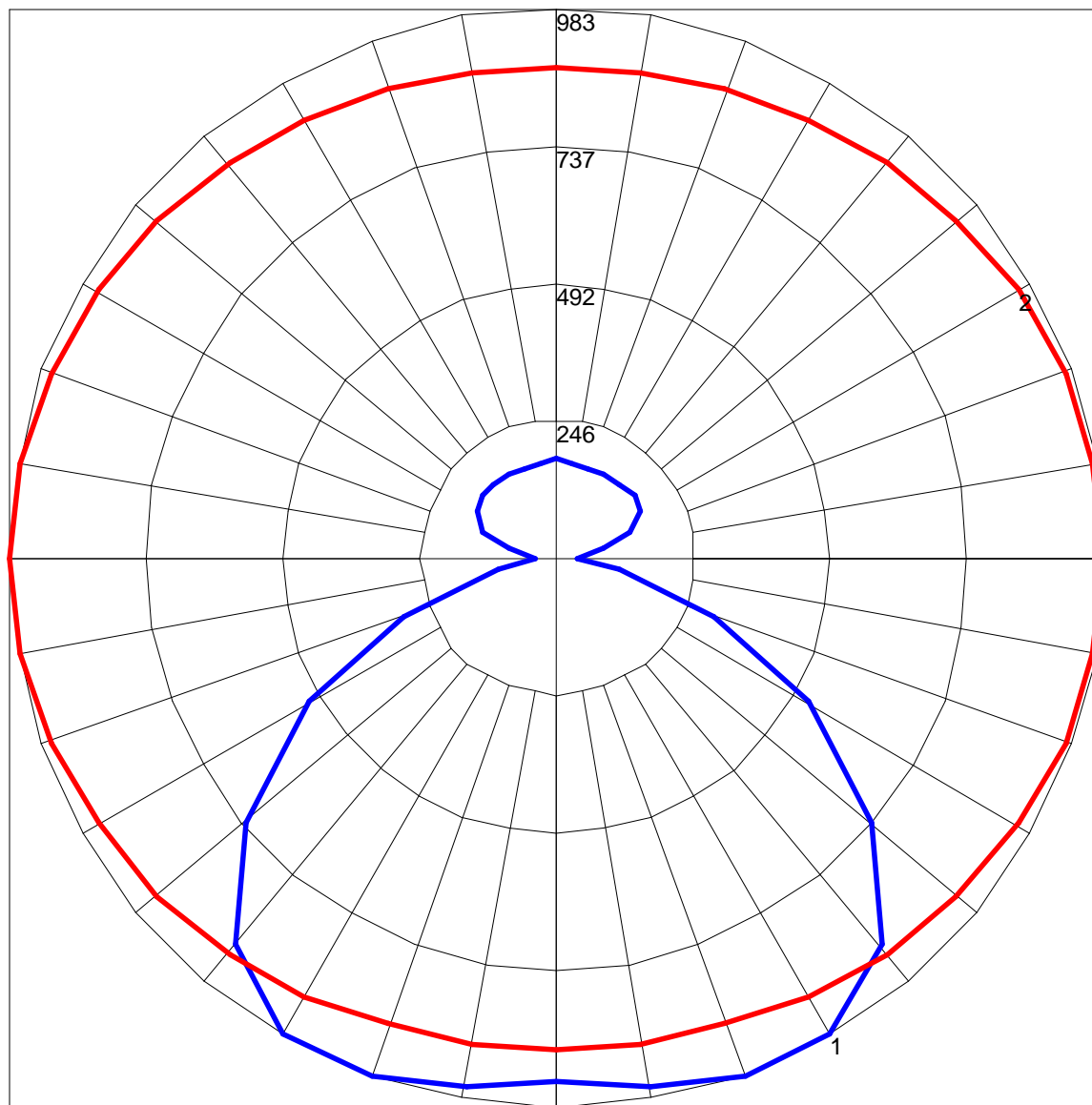
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79
1	104	99	95	91	99	95	91	87	87	84	81	79	77	75	72	71	69	65
2	94	86	79	74	90	82	76	71	75	70	66	69	65	62	63	60	57	54
3	86	75	67	61	81	72	65	59	66	60	55	61	56	52	56	52	48	45
4	78	66	58	51	74	64	56	50	59	52	47	54	48	44	49	45	41	38
5	72	59	50	44	68	57	49	43	52	45	40	48	42	38	44	39	36	33
6	66	53	44	38	63	51	43	37	47	40	35	43	37	33	40	35	31	29
7	61	48	39	33	58	46	38	32	43	36	31	39	33	29	36	31	27	25
8	57	43	35	29	54	42	34	29	39	32	27	36	30	26	33	28	24	22
9	53	40	32	26	50	38	31	26	36	29	24	33	27	23	31	26	22	20
10	49	36	29	24	47	35	28	23	33	26	22	30	25	21	28	23	20	18

POLAR GRAPH



Maximum Candela = 983.021 Located At Horizontal Angle = 0, Vertical Angle = 20  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)