



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 SS NW 20 80
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 04-3-2017
[LUMCAT] CURV-4-LED-2080-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_SOURCE TYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3260
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	40.6
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	3454	3177	2710
55	3263	3077	2616
65	2875	2814	2448
75	2341	2424	2182
85	2522	2773	2466

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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	779.616	779.616	779.616	779.616	779.616	779.616	779.616	779.616	779.616	779.616
10	797.169	794.742	790.919	786.153	780.875	775.090	769.827	766.097	763.355	762.478
20	818.856	814.656	807.215	795.619	782.145	766.255	752.142	739.517	732.071	729.546
30	817.642	813.025	801.937	782.846	762.102	737.192	713.406	692.674	677.950	672.096
40	750.913	746.486	737.397	719.898	697.961	670.917	643.194	615.478	597.141	587.719
50	611.831	610.816	606.196	596.487	580.825	556.903	531.400	507.495	488.846	481.367
60	432.509	433.964	433.572	430.980	423.216	408.731	392.735	375.087	361.448	355.935
70	245.460	248.012	250.300	251.045	250.134	245.128	237.833	231.992	224.601	221.224
80	92.545	95.408	98.501	101.111	102.394	102.504	100.863	98.132	95.689	93.906
90	30.096	31.223	32.495	32.819	32.694	32.117	31.017	30.420	29.352	26.005
100	69.296	69.639	75.052	79.980	77.053	74.185	67.510	59.352	46.155	39.956
110	119.118	119.484	114.837	114.880	112.999	109.920	98.900	82.156	70.431	65.960
120	141.953	143.642	140.520	135.098	126.021	117.067	104.351	94.869	89.882	88.600
130	148.333	151.979	149.894	142.366	135.182	128.360	120.409	114.237	109.360	108.544
140	146.977	152.940	150.636	148.107	143.837	137.520	133.856	129.934	126.822	125.064
150	145.760	150.886	150.631	148.976	148.913	146.865	143.932	140.253	138.439	137.922
160	144.385	148.874	150.451	151.044	150.167	148.703	149.342	148.159	146.855	145.847
170	141.530	146.848	147.981	149.281	149.658	149.320	150.262	150.334	150.306	149.960
180	146.729	146.729	146.729	146.729	146.729	146.729	146.729	146.729	146.729	146.729

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	294.38	N.A.	9.00
0-30	646.41	N.A.	19.80
0-40	1093.96	N.A.	33.60
0-60	2005.15	N.A.	61.50
0-80	2506.3	N.A.	76.90
0-90	2577.1	N.A.	79.00
10-90	2502.73	N.A.	76.80
20-40	799.58	N.A.	24.50
20-50	1278.16	N.A.	39.20
40-70	1232.48	N.A.	37.80
60-80	501.15	N.A.	15.40
70-80	179.86	N.A.	5.50
80-90	70.80	N.A.	2.20
90-110	142.88	N.A.	4.40
90-120	252.23	N.A.	7.70
90-130	364.22	N.A.	11.20
90-150	558.91	N.A.	17.10
90-180	683.33	N.A.	21.00
110-180	540.44	N.A.	16.60
0-180	3260.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	74.37
10-20	220.01
20-30	352.03
30-40	447.55
40-50	478.58
50-60	432.61
60-70	321.30
70-80	179.86
80-90	70.80
90-100	53.57
100-110	89.32
110-120	109.35
120-130	111.99
130-140	104.98
140-150	89.71
150-160	68.13
160-170	42.18
170-180	14.11

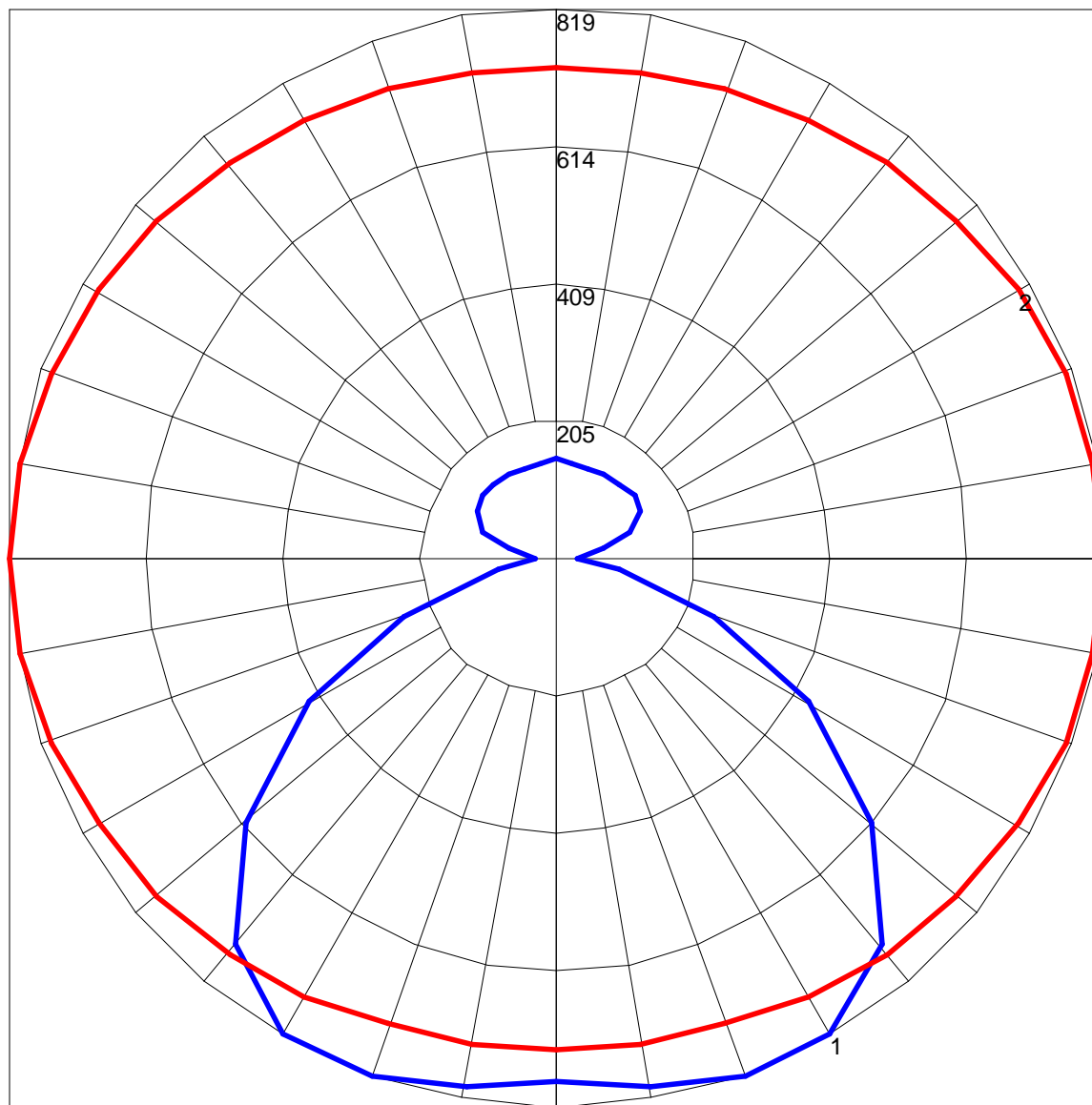
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	71	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 = 818.856 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.)