



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-2080-FL-HO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 VHO NW 20 80_Scaled
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 04-03-2017
[LUMCAT] CURV-4-LED-2080-FL-HO-35
[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	3785
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	49
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	4010	3688	3146
55	3789	3573	3037
65	3338	3267	2842
75	2717	2814	2533
85	2928	3220	2863

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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	905.094	905.094	905.094	905.094	905.094	905.094	905.094	905.094	905.094	905.094
10	925.471	922.654	918.216	912.683	906.556	899.839	893.729	889.399	886.216	885.198
20	950.650	945.773	937.135	923.673	908.030	889.583	873.197	858.542	849.897	846.965
30	949.240	943.881	931.008	908.844	884.761	855.841	828.228	804.158	787.065	780.269
40	871.771	866.632	856.079	835.764	810.296	778.900	746.715	714.538	693.250	682.311
50	710.304	709.125	703.762	692.491	674.308	646.536	616.928	589.176	567.525	558.842
60	502.121	503.810	503.354	500.346	491.332	474.515	455.945	435.457	419.622	413.222
70	284.967	287.930	290.585	291.451	290.393	284.581	276.112	269.331	260.750	256.830
80	107.441	110.764	114.354	117.385	118.874	119.002	117.097	113.926	111.090	109.020
90	34.940	36.248	37.725	38.101	37.957	37.286	36.009	35.316	34.076	30.190
100	80.449	80.847	87.131	92.853	89.455	86.125	78.375	68.905	53.583	46.386
110	138.290	138.715	133.320	133.370	131.186	127.612	114.818	95.379	81.767	76.576
120	164.800	166.761	163.137	156.842	146.304	135.909	121.146	110.138	104.349	102.859
130	172.207	176.440	174.019	165.280	156.939	149.020	139.789	132.623	126.962	126.014
140	170.633	177.556	174.881	171.944	166.988	159.654	155.399	150.846	147.234	145.193
150	169.220	175.171	174.874	172.954	172.880	170.502	167.098	162.827	160.720	160.121
160	167.623	172.835	174.666	175.354	174.337	172.636	173.378	172.005	170.491	169.321
170	164.309	170.483	171.798	173.308	173.745	173.353	174.447	174.530	174.497	174.096
180	170.345	170.345	170.345	170.345	170.345	170.345	170.345	170.345	170.345	170.345

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	341.76	N.A.	9.00
0-30	750.45	N.A.	19.80
0-40	1270.03	N.A.	33.60
0-60	2327.87	N.A.	61.50
0-80	2909.68	N.A.	76.90
0-90	2991.88	N.A.	79.00
10-90	2905.54	N.A.	76.80
20-40	928.27	N.A.	24.50
20-50	1483.88	N.A.	39.20
40-70	1430.85	N.A.	37.80
60-80	581.81	N.A.	15.40
70-80	208.81	N.A.	5.50
80-90	82.19	N.A.	2.20
90-110	165.88	N.A.	4.40
90-120	292.83	N.A.	7.70
90-130	422.85	N.A.	11.20
90-150	648.86	N.A.	17.10
90-180	793.31	N.A.	21.00
110-180	627.42	N.A.	16.60
0-180	3785.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	86.34
10-20	255.42
20-30	408.69
30-40	519.58
40-50	555.61
50-60	502.23
60-70	373.01
70-80	208.81
80-90	82.19
90-100	62.19
100-110	103.69
110-120	126.95
120-130	130.02
130-140	121.87
140-150	104.15
150-160	79.10
160-170	48.97
170-180	16.38

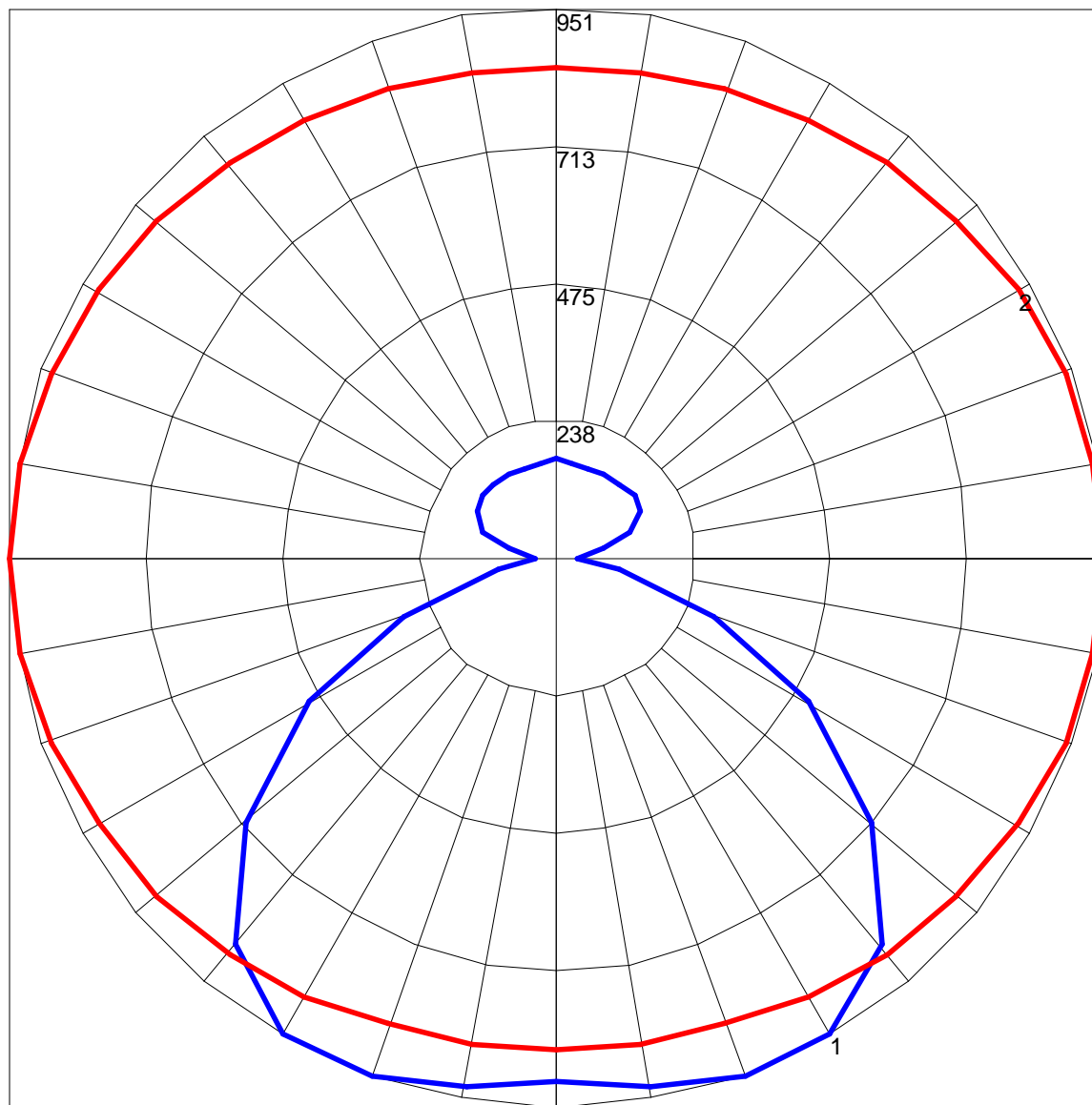
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 950.65 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.)