



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-2080-FL-VHO-30.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-VHO-30
[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	5415
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	72
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	5737	5276	4501
55	5420	5111	4346
65	4775	4674	4065
75	3888	4026	3625
85	4189	4606	4096

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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	1294.865	1294.865	1294.865	1294.865	1294.865	1294.865	1294.865	1294.865	1294.865	1294.865
10	1324.017	1319.987	1313.637	1305.722	1296.956	1287.347	1278.606	1272.410	1267.857	1266.400
20	1360.039	1353.062	1340.704	1321.444	1299.066	1272.673	1249.232	1228.265	1215.897	1211.703
30	1358.022	1350.354	1331.938	1300.229	1265.775	1224.402	1184.897	1150.462	1126.008	1116.285
40	1247.191	1239.839	1224.742	1195.678	1159.243	1114.327	1068.282	1022.247	991.792	976.143
50	1016.190	1014.504	1006.831	990.706	964.693	924.960	882.602	842.899	811.925	799.502
60	718.355	720.771	720.119	715.815	702.919	678.861	652.294	622.983	600.329	591.173
70	407.685	411.924	415.723	416.961	415.448	407.133	395.017	385.316	373.040	367.431
80	153.709	158.464	163.600	167.936	170.066	170.249	167.523	162.987	158.930	155.968
90	49.987	51.857	53.972	54.508	54.302	53.343	51.516	50.525	48.750	43.191
100	115.093	115.663	124.653	132.840	127.978	123.214	112.127	98.578	76.659	66.362
110	197.843	198.451	190.733	190.804	187.680	182.566	164.264	136.453	116.979	109.553
120	235.770	238.575	233.390	224.385	209.309	194.437	173.316	157.567	149.286	147.155
130	246.367	252.422	248.959	236.456	224.523	213.194	199.988	189.736	181.637	180.281
140	244.114	254.019	250.192	245.990	238.900	228.407	222.321	215.807	210.638	207.719
150	242.093	250.607	250.182	247.435	247.330	243.927	239.057	232.946	229.933	229.075
160	239.809	247.264	249.885	250.869	249.413	246.981	248.042	246.077	243.911	242.238
170	235.067	243.900	245.781	247.941	248.566	248.006	249.571	249.690	249.643	249.069
180	243.702	243.702	243.702	243.702	243.702	243.702	243.702	243.702	243.702	243.702

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	488.94	N.A.	9.00
0-30	1073.62	N.A.	19.80
0-40	1816.96	N.A.	33.60
0-60	3330.35	N.A.	61.50
0-80	4162.71	N.A.	76.90
0-90	4280.3	N.A.	79.00
10-90	4156.79	N.A.	76.80
20-40	1328.02	N.A.	24.50
20-50	2122.89	N.A.	39.20
40-70	2047.03	N.A.	37.80
60-80	832.37	N.A.	15.40
70-80	298.73	N.A.	5.50
80-90	117.59	N.A.	2.20
90-110	237.32	N.A.	4.40
90-120	418.93	N.A.	7.70
90-130	604.94	N.A.	11.20
90-150	928.29	N.A.	17.10
90-180	1134.94	N.A.	21.00
110-180	897.62	N.A.	16.60
0-180	5415.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	123.52
10-20	365.42
20-30	584.69
30-40	743.34
40-50	794.87
50-60	718.52
60-70	533.64
70-80	298.73
80-90	117.59
90-100	88.97
100-110	148.35
110-120	181.61
120-130	186.01
130-140	174.35
140-150	148.99
150-160	113.16
160-170	70.06
170-180	23.43

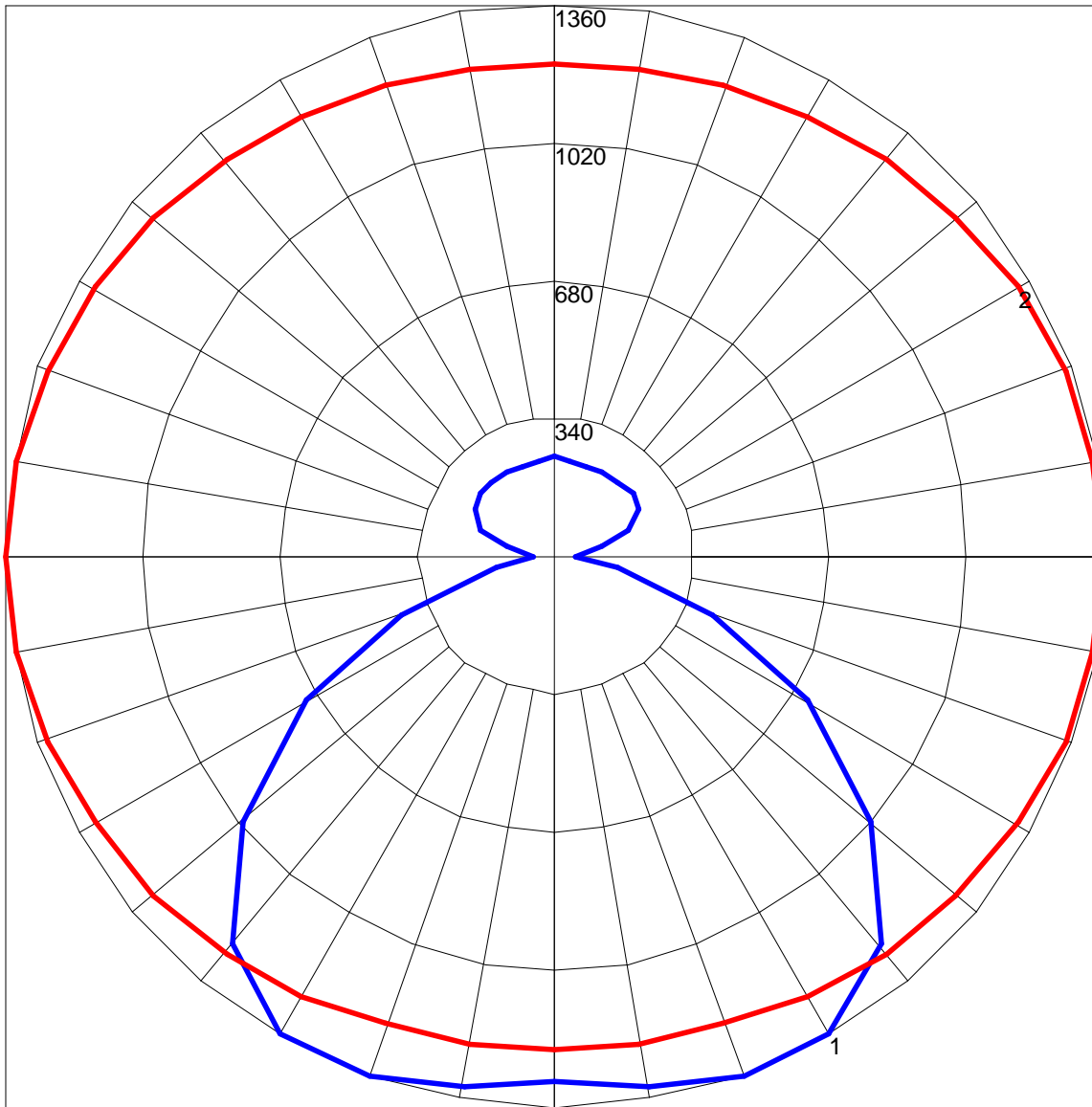
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1360.039 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.)