



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 HO NW
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 04-05-2017
[LUMCAT] CURV-4-LED-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	6415
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	48.7
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)	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	1933	1491	990
55	2059	1639	1051
65	2010	1689	1089
75	1924	1715	1139
85	2684	2549	1905

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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	212.344	212.344	212.344	212.344	212.344	212.344	212.344	212.344	212.344	212.344
10	231.920	232.970	231.130	228.004	224.342	220.228	216.844	214.419	212.353	212.625
20	283.350	282.647	276.096	265.507	253.526	240.991	229.735	221.362	215.005	214.502
30	352.881	347.784	334.494	315.327	292.378	266.574	244.945	227.886	216.689	213.564
40	391.961	389.250	374.247	345.962	316.668	284.517	252.180	227.453	210.878	205.476
50	370.464	368.763	355.592	333.812	303.594	272.042	238.025	211.181	192.277	185.196
60	288.311	288.663	282.839	269.930	248.254	225.054	198.019	175.023	158.037	151.106
70	185.721	187.360	185.141	179.446	168.261	154.803	139.470	123.835	111.585	105.734
80	92.182	94.199	94.095	92.396	88.886	83.435	77.479	70.181	62.651	58.693
90	38.347	38.477	38.259	38.305	38.006	37.574	37.084	36.318	35.237	33.932
100	370.851	358.099	357.791	348.608	318.582	277.338	235.171	191.841	146.314	122.522
110	1156.185	1136.712	1100.136	1030.708	949.148	839.688	712.887	554.751	388.550	304.978
120	1447.160	1423.494	1379.608	1311.975	1208.046	1083.532	919.998	737.407	569.161	487.876
130	1523.550	1503.650	1454.296	1378.779	1279.009	1147.983	995.307	844.475	694.174	641.158
140	1455.026	1436.995	1394.518	1327.840	1240.655	1148.675	1034.372	904.669	790.314	757.398
150	1334.392	1320.815	1297.861	1265.915	1192.672	1108.357	1023.722	920.158	863.210	841.916
160	1193.544	1183.017	1164.209	1134.633	1095.299	1042.122	984.647	944.971	921.408	904.022
170	1029.121	1025.679	1017.812	1005.431	994.956	982.886	973.605	960.534	950.915	948.175
180	965.719	965.719	965.719	965.719	965.719	965.719	965.719	965.719	965.719	965.719

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	87.47	N.A.	1.40
0-30	209.95	N.A.	3.30
0-40	392.45	N.A.	6.10
0-60	848.66	N.A.	13.20
0-80	1164.97	N.A.	18.20
0-90	1230.08	N.A.	19.20
10-90	1209.33	N.A.	18.90
20-40	304.98	N.A.	4.80
20-50	530.99	N.A.	8.30
40-70	647.08	N.A.	10.10
60-80	316.31	N.A.	4.90
70-80	125.44	N.A.	2.00
80-90	65.11	N.A.	1.00
90-110	753.92	N.A.	11.80
90-120	1693.81	N.A.	26.40
90-130	2689.7	N.A.	41.90
90-150	4297.31	N.A.	67.00
90-180	5184.68	N.A.	80.80
110-180	4430.76	N.A.	69.10
0-180	6414.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	20.75
10-20	66.71
20-30	122.48
30-40	182.50
40-50	226.01
50-60	230.20
60-70	190.87
70-80	125.44
80-90	65.11
90-100	170.68
100-110	583.24
110-120	939.89
120-130	995.89
130-140	893.38
140-150	714.23
150-160	504.01
160-170	290.07
170-180	93.29

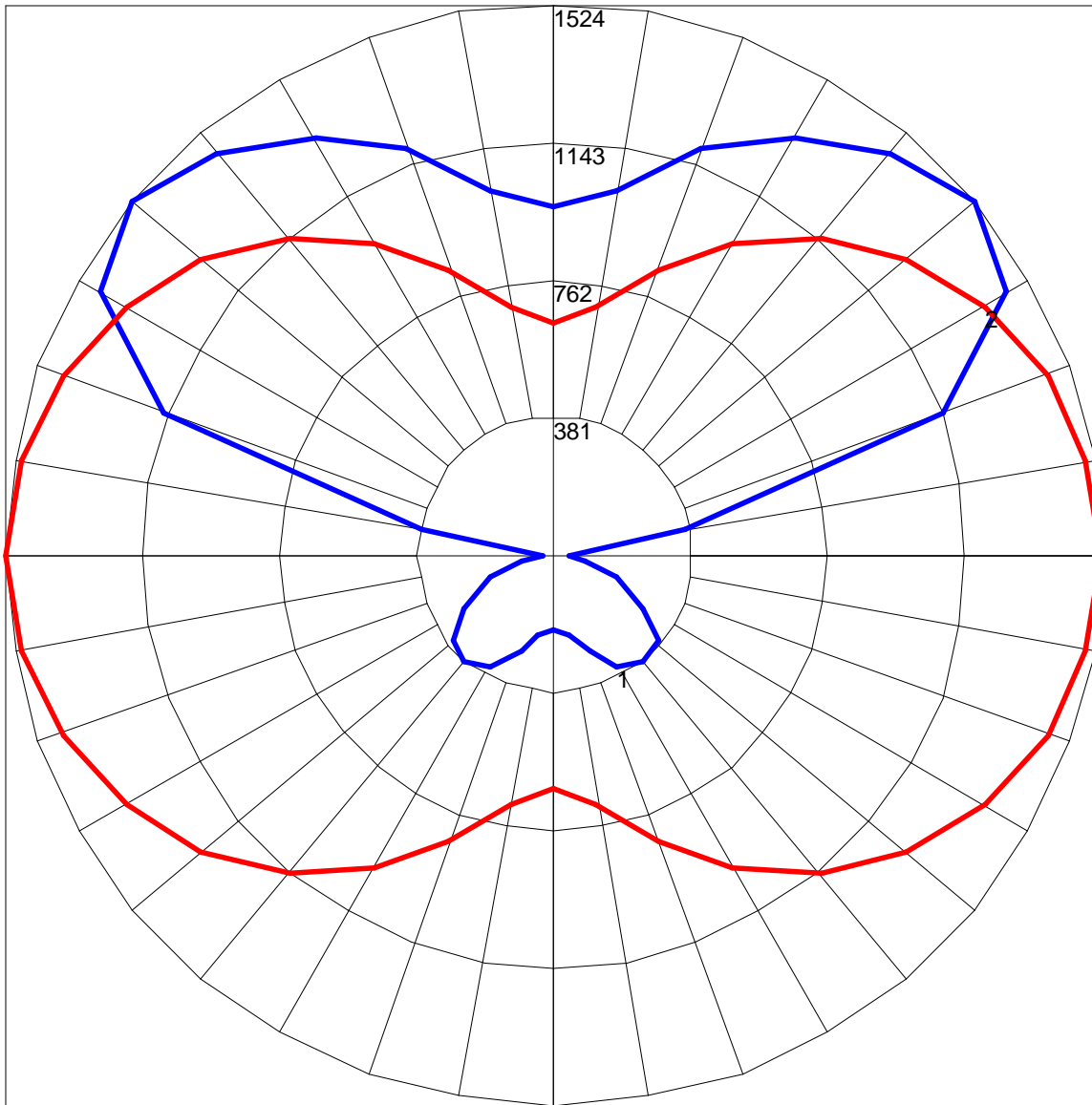
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 1523.55 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.)