



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-5050-FL-HO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 VHO NW 50 50_Scaled
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 04-03-2017
[LUMCAT] CURV-4-LED-5050-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_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4801
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	49
Ballast Factor	1.00
CIE Type	General Diffuse
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	3188	2857	2337
55	3084	2835	2307
65	2784	2667	2233
75	2389	2433	2129
85	2999	3242	2998

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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	635.426	635.426	635.426	635.426	635.426	635.426	635.426	635.426	635.426	635.426
10	658.204	657.073	652.949	648.662	642.383	637.045	631.991	627.928	625.740	624.736
20	696.179	693.138	684.883	673.383	658.103	641.322	626.145	613.964	605.205	602.286
30	720.711	717.097	706.058	686.796	662.447	632.975	606.636	583.430	568.567	562.773
40	684.338	682.027	670.859	651.227	624.922	591.448	559.720	531.177	510.719	502.746
50	573.458	572.861	566.316	553.516	531.381	506.374	477.373	447.904	427.510	419.280
60	413.482	414.763	413.245	407.820	395.947	380.934	361.481	340.184	324.747	318.856
70	242.926	243.208	247.054	247.005	244.422	236.331	230.519	219.648	211.227	207.643
80	102.060	104.985	107.568	109.786	110.905	110.894	109.284	105.900	101.744	99.831
90	43.788	44.498	45.443	46.342	46.788	46.715	46.833	46.435	46.351	45.977
100	173.949	181.395	189.304	189.786	180.366	166.439	153.131	140.873	128.146	119.627
110	435.018	428.004	432.450	424.994	407.269	381.204	343.526	299.685	252.691	228.026
120	564.484	562.100	557.243	545.579	519.985	485.333	438.400	382.603	339.485	318.335
130	614.780	619.077	608.277	594.562	565.661	522.371	479.388	445.428	407.573	389.138
140	609.872	616.062	601.939	586.483	570.294	540.423	514.124	481.122	452.619	442.045
150	584.643	587.728	582.251	571.552	560.641	546.760	529.188	508.377	489.988	483.747
160	559.857	561.055	563.236	555.569	547.447	538.211	526.877	515.526	510.082	505.684
170	527.443	526.735	527.732	527.439	527.001	523.952	522.298	520.773	518.124	517.422
180	516.312	516.312	516.312	516.312	516.312	516.312	516.312	516.312	516.312	516.312

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	243.75	N.A.	5.10
0-30	543.35	N.A.	11.30
0-40	934.98	N.A.	19.50
0-60	1763.01	N.A.	36.70
0-80	2247.1	N.A.	46.80
0-90	2330.52	N.A.	48.50
10-90	2269.62	N.A.	47.30
20-40	691.23	N.A.	14.40
20-50	1121.27	N.A.	23.40
40-70	1131.88	N.A.	23.60
60-80	484.09	N.A.	10.10
70-80	180.24	N.A.	3.80
80-90	83.42	N.A.	1.70
90-110	395.38	N.A.	8.20
90-120	813.03	N.A.	16.90
90-130	1262.43	N.A.	26.30
90-150	2018.91	N.A.	42.10
90-180	2470.24	N.A.	51.50
110-180	2074.86	N.A.	43.20
0-180	4800.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.90
10-20	182.85
20-30	299.61
30-40	391.63
40-50	430.04
50-60	397.99
60-70	303.85
70-80	180.24
80-90	83.42
90-100	114.59
100-110	280.79
110-120	417.64
120-130	449.40
130-140	414.47
140-150	342.01
150-160	251.01
160-170	150.67
170-180	49.65

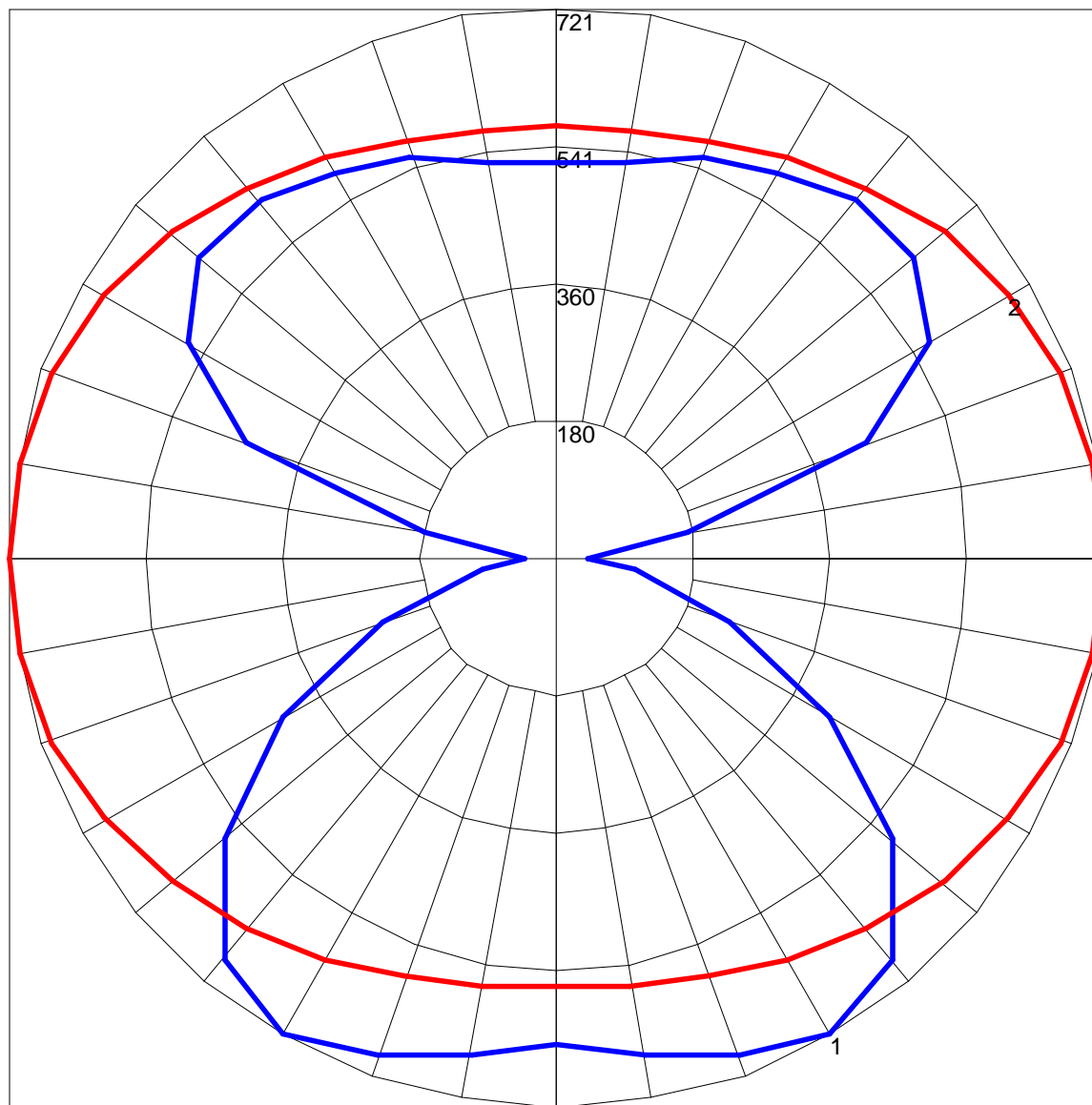
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	97	92	88	84	89	85	81	78	71	69	66	59	57	55	47	46	45	40
2	88	80	74	68	80	74	68	64	62	58	54	51	48	46	41	39	37	32
3	80	70	62	56	73	65	58	53	54	49	45	45	41	38	36	33	31	27
4	73	62	53	47	67	57	50	44	48	42	38	40	36	32	32	29	26	23
5	67	55	46	40	61	51	43	38	43	37	33	35	31	28	29	25	23	19
6	61	49	40	35	56	45	38	32	38	32	28	32	27	24	26	22	20	17
7	56	44	36	30	52	41	33	28	35	29	25	29	24	21	23	20	17	15
8	52	40	32	26	48	37	30	25	31	26	22	26	22	19	21	18	15	13
9	49	36	28	23	45	34	27	22	29	23	19	24	20	16	20	16	14	12
10	45	33	26	21	42	31	24	20	26	21	17	22	18	15	18	15	12	10

POLAR GRAPH



Maximum Candela = 720.711 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)