



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-5050-FL-HO-30.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-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	4657
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
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	3093	2771	2267
55	2991	2750	2237
65	2700	2587	2166
75	2317	2360	2065
85	2909	3145	2909

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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	616.367	616.367	616.367	616.367	616.367	616.367	616.367	616.367	616.367	616.367
10	638.462	637.366	633.365	629.207	623.116	617.938	613.036	609.095	606.972	605.998
20	675.299	672.349	664.341	653.186	638.365	622.086	607.365	595.549	587.053	584.222
30	699.095	695.589	684.881	666.197	642.578	613.991	588.442	565.931	551.514	545.893
40	663.812	661.571	650.738	631.695	606.179	573.708	542.932	515.246	495.401	487.667
50	556.258	555.679	549.331	536.915	515.444	491.186	463.055	434.470	414.688	406.705
60	401.080	402.323	400.850	395.588	384.072	369.509	350.639	329.981	315.007	309.293
70	235.640	235.913	239.644	239.596	237.091	229.243	223.605	213.060	204.891	201.415
80	98.999	101.836	104.342	106.494	107.579	107.568	106.006	102.723	98.692	96.837
90	42.474	43.164	44.080	44.952	45.384	45.314	45.429	45.042	44.961	44.598
100	168.732	175.955	183.626	184.094	174.956	161.447	148.538	136.648	124.302	116.040
110	421.971	415.167	419.480	412.247	395.053	369.771	333.223	290.696	245.112	221.186
120	547.553	545.240	540.529	529.216	504.389	470.777	425.251	371.128	329.303	308.787
130	596.340	600.509	590.033	576.729	548.695	506.704	465.010	432.068	395.349	377.467
140	591.580	597.584	583.885	568.892	553.189	524.214	498.704	466.691	439.043	428.786
150	567.107	570.100	564.787	554.409	543.825	530.361	513.316	493.129	475.292	469.238
160	543.066	544.228	546.342	538.906	531.028	522.068	511.074	500.064	494.783	490.517
170	511.624	510.936	511.904	511.620	511.195	508.237	506.632	505.153	502.584	501.902
180	500.827	500.827	500.827	500.827	500.827	500.827	500.827	500.827	500.827	500.827

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	236.44	N.A.	5.10
0-30	527.06	N.A.	11.30
0-40	906.94	N.A.	19.50
0-60	1710.13	N.A.	36.70
0-80	2179.7	N.A.	46.80
0-90	2260.62	N.A.	48.50
10-90	2201.55	N.A.	47.30
20-40	670.50	N.A.	14.40
20-50	1087.64	N.A.	23.40
40-70	1097.93	N.A.	23.60
60-80	469.57	N.A.	10.10
70-80	174.83	N.A.	3.80
80-90	80.92	N.A.	1.70
90-110	383.53	N.A.	8.20
90-120	788.64	N.A.	16.90
90-130	1224.56	N.A.	26.30
90-150	1958.35	N.A.	42.10
90-180	2396.15	N.A.	51.50
110-180	2012.62	N.A.	43.20
0-180	4656.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	59.07
10-20	177.36
20-30	290.62
30-40	379.88
40-50	417.14
50-60	386.05
60-70	294.74
70-80	174.83
80-90	80.92
90-100	111.16
100-110	272.37
110-120	405.12
120-130	435.92
130-140	402.04
140-150	331.75
150-160	243.48
160-170	146.15
170-180	48.17

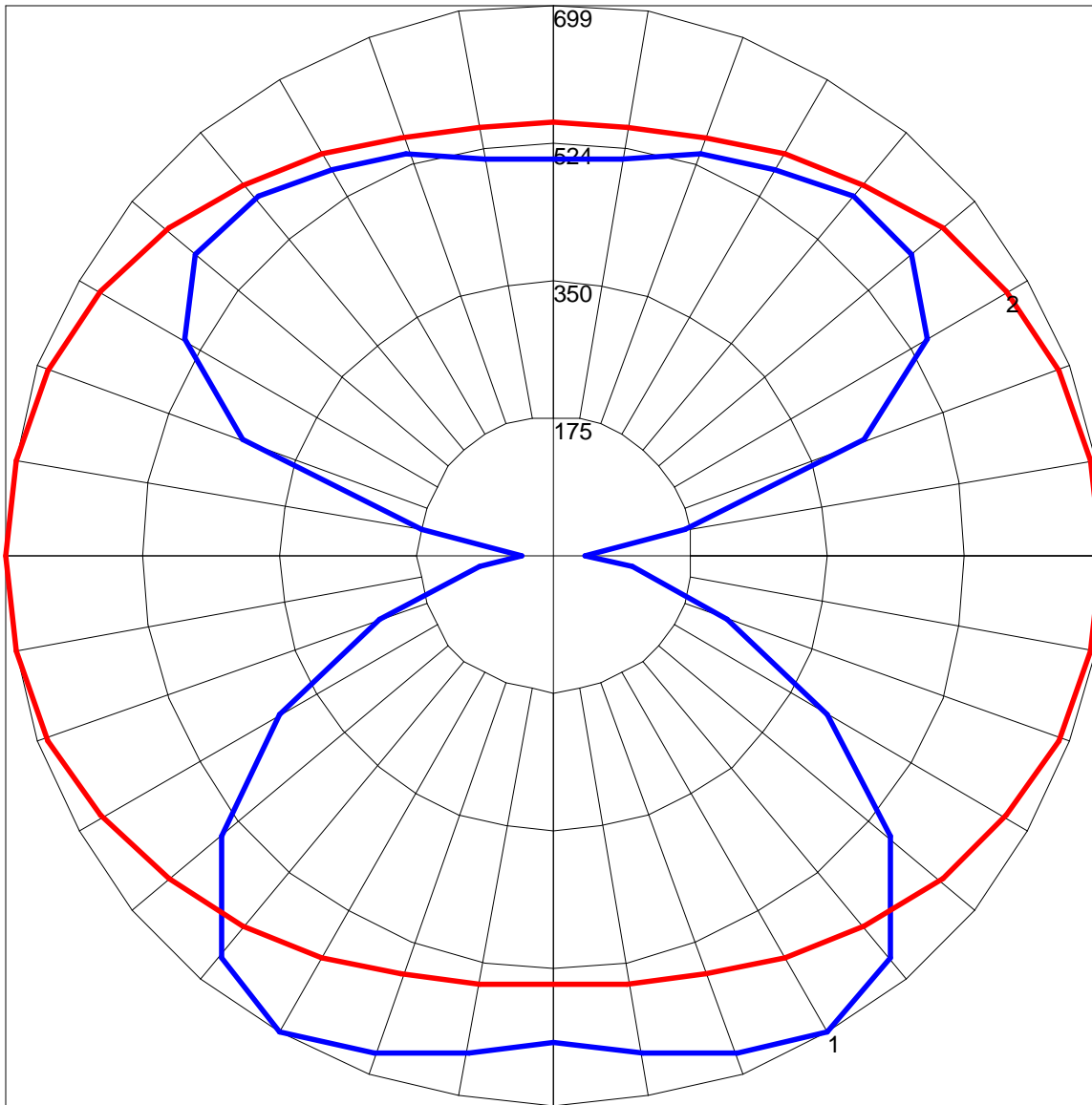
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 699.095 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.)