



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-5050-FL-VHO-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-VHO-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	7082
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	72
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	4703	4214	3447
55	4549	4182	3402
65	4106	3934	3294
75	3524	3588	3141
85	4424	4782	4423

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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	937.323	937.323	937.323	937.323	937.323	937.323	937.323	937.323	937.323	937.323
10	970.923	969.256	963.172	956.849	947.587	939.712	932.257	926.264	923.036	921.554
20	1026.942	1022.456	1010.278	993.314	970.775	946.021	923.634	905.664	892.745	888.439
30	1063.129	1057.797	1041.514	1013.101	977.183	933.709	894.856	860.624	838.700	830.152
40	1009.474	1006.065	989.592	960.633	921.830	872.451	825.649	783.546	753.367	741.606
50	845.914	845.034	835.379	816.498	783.847	746.958	704.178	660.708	630.625	618.485
60	609.932	611.821	609.582	601.579	584.066	561.920	533.224	501.809	479.038	470.348
70	358.343	358.758	364.432	364.359	360.550	348.615	340.041	324.006	311.583	306.296
80	150.550	154.864	158.675	161.947	163.597	163.580	161.206	156.214	150.084	147.262
90	64.591	65.640	67.033	68.360	69.017	68.910	69.084	68.497	68.373	67.821
100	256.595	267.578	279.244	279.955	266.059	245.515	225.886	207.803	189.029	176.464
110	641.700	631.354	637.912	626.913	600.766	562.318	506.739	442.068	372.747	336.363
120	832.676	829.159	821.995	804.790	767.035	715.921	646.688	564.382	500.778	469.579
130	906.868	913.208	897.276	877.045	834.412	770.555	707.150	657.055	601.216	574.022
140	899.628	908.759	887.927	865.127	841.247	797.184	758.391	709.708	667.663	652.065
150	862.413	866.964	858.884	843.102	827.007	806.531	780.610	749.913	722.787	713.580
160	825.852	827.619	830.835	819.526	807.546	793.920	777.202	760.459	752.427	745.941
170	778.037	776.992	778.464	778.032	777.386	772.887	770.447	768.198	764.291	763.254
180	761.618	761.618	761.618	761.618	761.618	761.618	761.618	761.618	761.618	761.618

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	359.55	N.A.	5.10
0-30	801.50	N.A.	11.30
0-40	1379.2	N.A.	19.50
0-60	2600.63	N.A.	36.70
0-80	3314.72	N.A.	46.80
0-90	3437.78	N.A.	48.50
10-90	3347.94	N.A.	47.30
20-40	1019.64	N.A.	14.40
20-50	1654.00	N.A.	23.40
40-70	1669.65	N.A.	23.60
60-80	714.09	N.A.	10.10
70-80	265.87	N.A.	3.80
80-90	123.06	N.A.	1.70
90-110	583.24	N.A.	8.20
90-120	1199.3	N.A.	16.90
90-130	1862.22	N.A.	26.30
90-150	2978.11	N.A.	42.10
90-180	3643.88	N.A.	51.50
110-180	3060.64	N.A.	43.20
0-180	7081.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	89.84
10-20	269.72
20-30	441.95
30-40	577.69
40-50	634.36
50-60	587.07
60-70	448.21
70-80	265.87
80-90	123.06
90-100	169.04
100-110	414.20
110-120	616.07
120-130	662.91
130-140	611.39
140-150	504.50
150-160	370.27
160-170	222.25
170-180	73.25

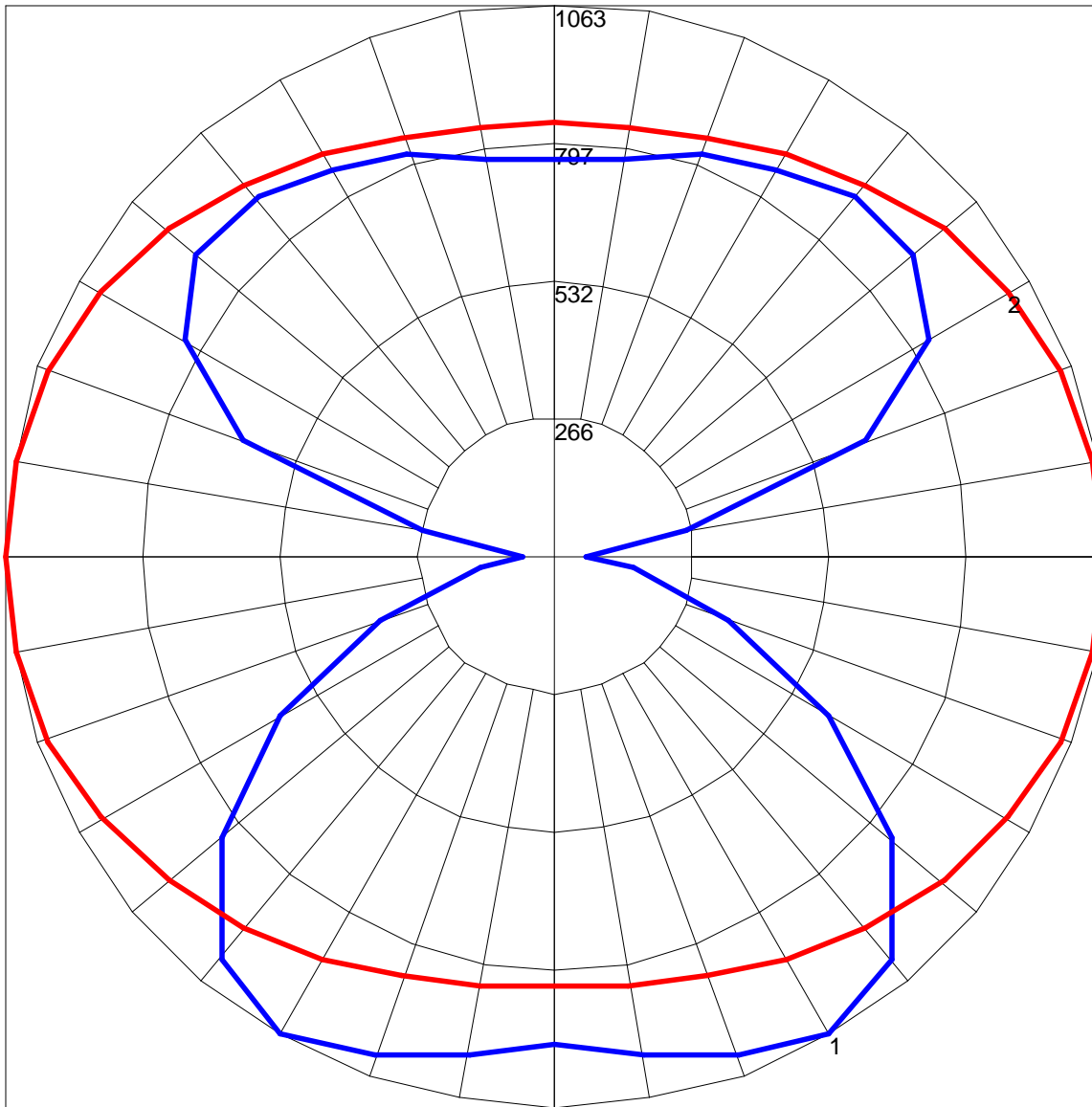
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1063.129 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.)