



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-5050-FL-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 VHO NW 50 50
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 04-03-2017
[LUMCAT] CURV-4-LED-5050-FL-VHO-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	7324
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	71.9
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	4864	4358	3565
55	4705	4325	3519
65	4247	4068	3406
75	3644	3711	3248
85	4575	4946	4574

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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	969.348	969.348	969.348	969.348	969.348	969.348	969.348	969.348	969.348	969.348
10	1004.096	1002.372	996.079	989.541	979.962	971.819	964.109	957.911	954.573	953.040
20	1062.028	1057.389	1044.796	1027.252	1003.943	978.342	955.191	936.607	923.247	918.794
30	1099.452	1093.938	1077.098	1047.715	1010.570	965.610	925.430	890.028	867.355	858.515
40	1043.964	1040.438	1023.402	993.454	953.325	902.259	853.858	810.316	779.107	766.944
50	874.815	873.905	863.921	844.395	810.628	772.478	728.237	683.282	652.171	639.616
60	630.770	632.725	630.409	622.133	604.021	581.119	551.442	518.954	495.405	486.418
70	370.586	371.016	376.883	376.808	372.868	360.525	351.659	335.076	322.229	316.761
80	155.694	160.156	164.097	167.480	169.187	169.169	166.713	161.551	155.211	152.294
90	66.798	67.882	69.324	70.695	71.375	71.265	71.445	70.837	70.709	70.138
100	265.361	276.720	288.784	289.520	275.149	253.904	233.603	214.903	195.488	182.493
110	663.625	652.925	659.707	648.332	621.292	581.531	524.053	457.172	385.482	347.855
120	861.126	857.488	850.079	832.286	793.242	740.381	668.783	583.665	517.887	485.623
130	937.852	944.409	927.933	907.010	862.921	796.882	731.311	679.504	621.757	593.634
140	930.365	939.808	918.264	894.685	869.989	824.420	784.302	733.956	690.474	674.343
150	891.878	896.585	888.229	871.908	855.263	834.087	807.281	775.534	747.481	737.960
160	854.068	855.895	859.221	847.526	835.136	821.045	803.756	786.441	778.135	771.426
170	804.620	803.539	805.061	804.614	803.946	799.294	796.770	794.444	790.404	789.332
180	787.640	787.640	787.640	787.640	787.640	787.640	787.640	787.640	787.640	787.640

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	371.84	N.A.	5.10
0-30	828.89	N.A.	11.30
0-40	1426.32	N.A.	19.50
0-60	2689.48	N.A.	36.70
0-80	3427.97	N.A.	46.80
0-90	3555.23	N.A.	48.50
10-90	3462.33	N.A.	47.30
20-40	1054.48	N.A.	14.40
20-50	1710.51	N.A.	23.40
40-70	1726.69	N.A.	23.60
60-80	738.48	N.A.	10.10
70-80	274.96	N.A.	3.80
80-90	127.26	N.A.	1.70
90-110	603.16	N.A.	8.20
90-120	1240.28	N.A.	16.90
90-130	1925.84	N.A.	26.30
90-150	3079.86	N.A.	42.10
90-180	3768.38	N.A.	51.50
110-180	3165.21	N.A.	43.20
0-180	7323.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	92.91
10-20	278.93
20-30	457.05
30-40	597.43
40-50	656.03
50-60	607.13
60-70	463.53
70-80	274.96
80-90	127.26
90-100	174.81
100-110	428.35
110-120	637.12
120-130	685.56
130-140	632.28
140-150	521.74
150-160	382.92
160-170	229.84
170-180	75.75

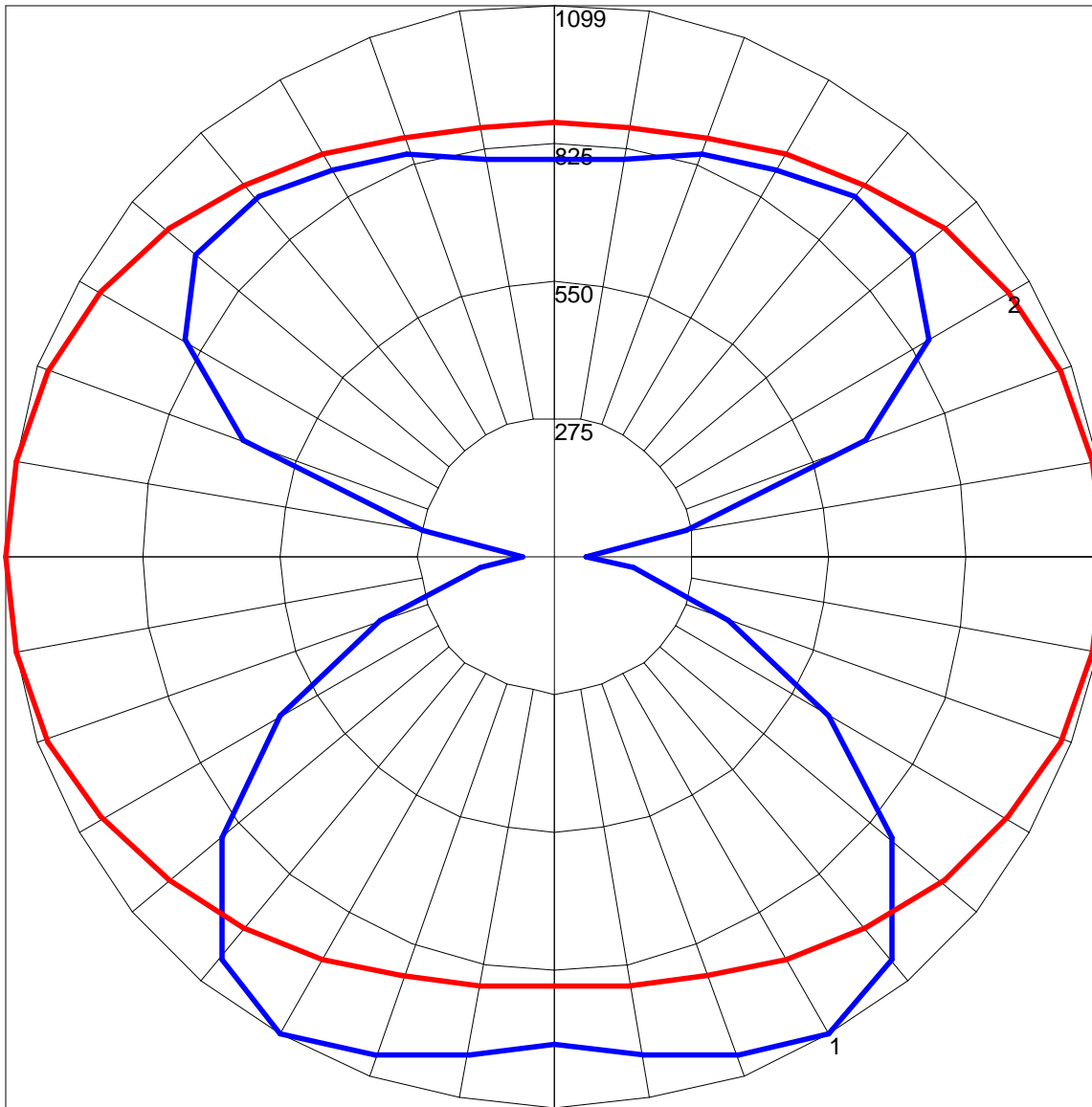
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1099.452 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.)