



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-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-8-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	9314
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	98
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)	8.00 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	2772	2268
55	2992	2752	2239
65	2701	2587	2168
75	2319	2361	2065
85	2912	3144	2912

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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	1232.387	1232.387	1232.387	1232.387	1232.387	1232.387	1232.387	1232.387	1232.387	1232.387
10	1277.406	1275.530	1266.151	1258.648	1245.518	1236.139	1226.760	1217.381	1213.630	1211.754
20	1350.562	1344.934	1328.052	1305.543	1277.406	1243.642	1215.505	1191.120	1174.238	1168.611
30	1397.456	1391.829	1369.319	1331.804	1284.909	1228.636	1176.114	1131.095	1102.959	1091.704
40	1328.052	1322.425	1301.791	1264.276	1211.754	1147.977	1086.077	1029.803	990.412	975.406
50	1112.338	1110.462	1099.207	1072.946	1031.679	982.909	926.635	868.486	829.095	814.089
60	802.834	804.710	800.958	791.579	769.070	739.057	701.542	660.275	630.262	619.007
70	470.821	472.697	480.200	478.324	474.572	457.690	446.436	425.802	408.920	403.293
80	198.833	204.460	208.212	213.839	215.715	215.715	211.963	206.336	196.957	193.205
90	84.410	86.286	88.162	90.037	90.037	90.037	90.037	90.037	90.037	90.037
100	337.640	352.647	367.653	367.653	350.771	322.634	296.373	273.864	249.479	232.597
110	844.101	830.971	838.474	825.343	789.703	739.057	665.902	581.492	489.579	442.684
120	1095.456	1089.828	1080.449	1057.940	1009.170	941.642	849.728	742.809	658.399	617.132
130	1192.996	1200.499	1179.866	1153.605	1097.331	1012.921	930.387	864.735	791.579	754.064
140	1183.617	1194.872	1168.611	1138.598	1106.710	1048.561	997.915	934.138	877.865	857.231
150	1134.847	1140.474	1129.220	1108.586	1087.952	1059.816	1026.052	986.660	951.020	937.890
160	1086.077	1087.952	1093.580	1078.573	1061.691	1044.809	1022.300	999.791	990.412	981.033
170	1024.176	1022.300	1024.176	1024.176	1022.300	1016.673	1012.921	1011.045	1005.418	1003.542
180	1001.667	1001.667	1001.667	1001.667	1001.667	1001.667	1001.667	1001.667	1001.667	1001.667

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	472.85	N.A.	5.10
0-30	1054.03	N.A.	11.30
0-40	1813.72	N.A.	19.50
0-60	3420.21	N.A.	36.70
0-80	4359.47	N.A.	46.80
0-90	4521.38	N.A.	48.50
10-90	4403.25	N.A.	47.30
20-40	1340.87	N.A.	14.40
20-50	2175.16	N.A.	23.40
40-70	2196.00	N.A.	23.60
60-80	939.26	N.A.	10.10
70-80	349.75	N.A.	3.80
80-90	161.91	N.A.	1.70
90-110	767.17	N.A.	8.20
90-120	1577.27	N.A.	16.90
90-130	2449.04	N.A.	26.30
90-150	3916.85	N.A.	42.10
90-180	4792.57	N.A.	51.50
110-180	4025.4	N.A.	43.20
0-180	9313.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	118.13
10-20	354.72
20-30	581.19
30-40	759.68
40-50	834.29
50-60	772.21
60-70	589.51
70-80	349.75
80-90	161.91
90-100	222.34
100-110	544.83
110-120	810.10
120-130	871.78
130-140	804.23
140-150	663.58
150-160	487.01
160-170	292.37
170-180	96.35

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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

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UGR TABLE - CORRECTED

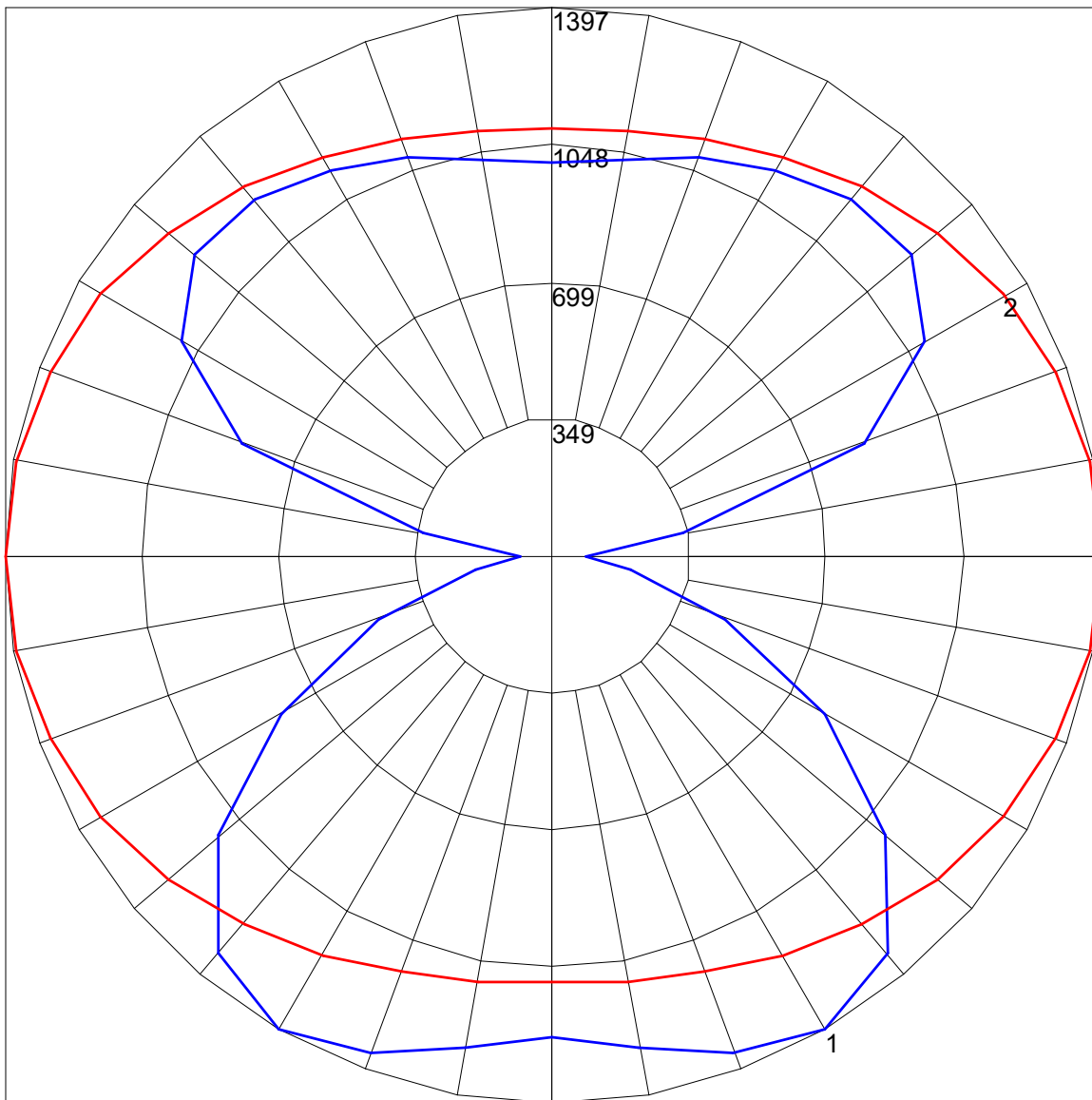
Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	12.5	13.3	13.4	14.3	15.6	11.0	11.9	11.9	12.8	14.1
	3H	14.1	14.9	15.1	15.9	17.2	12.8	13.6	13.7	14.5	15.8
	4H	14.7	15.5	15.7	16.5	17.8	13.5	14.2	14.5	15.2	16.5
	6H	15.1	15.9	16.1	16.8	18.2	14.0	14.7	15.0	15.7	17.1
	8H	15.3	16.0	16.3	17.0	18.3	14.3	15.0	15.3	16.0	17.3
	12H	15.5	16.2	16.6	17.2	18.5	14.6	15.2	15.6	16.2	17.6
4H	2H	12.9	13.7	13.9	14.7	16.0	11.8	12.5	12.8	13.5	14.8
	3H	14.8	15.4	15.8	16.5	17.8	13.8	14.4	14.8	15.4	16.7
	4H	15.6	16.1	16.6	17.2	18.5	14.6	15.2	15.6	16.2	17.6
	6H	16.2	16.7	17.2	17.7	19.0	15.3	15.8	16.3	16.8	18.2
	8H	16.4	16.9	17.4	17.9	19.3	15.6	16.1	16.6	17.1	18.5
	12H	16.7	17.1	17.7	18.2	19.5	16.0	16.4	17.0	17.5	18.8
8H	4H	15.8	16.3	16.8	17.3	18.7	15.0	15.5	16.0	16.5	17.9
	6H	16.6	17.0	17.6	18.0	19.4	15.9	16.2	16.9	17.3	18.7
	8H	16.9	17.3	18.0	18.3	19.7	16.3	16.7	17.4	17.7	19.1
	12H	17.4	17.7	18.4	18.7	20.2	16.8	17.1	17.9	18.2	19.6
12H	4H	15.8	16.2	16.9	17.3	18.7	15.0	15.4	16.1	16.5	17.9
	6H	16.6	17.0	17.7	18.0	19.4	15.9	16.3	17.0	17.4	18.8
	8H	17.1	17.4	18.1	18.4	19.9	16.5	16.8	17.5	17.9	19.3

Maximum UGR = 20.2

POLAR GRAPH



Maximum Candela = 1397.456 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.)