



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-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-8-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	9602
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
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	3188	2858	2338
55	3085	2837	2308
65	2784	2667	2235
75	2390	2434	2129
85	3002	3241	3002

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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	1270.493	1270.493	1270.493	1270.493	1270.493	1270.493	1270.493	1270.493	1270.493	1270.493
10	1316.904	1314.970	1305.301	1297.566	1284.030	1274.361	1264.692	1255.023	1251.156	1249.222
20	1392.322	1386.520	1369.116	1345.911	1316.904	1282.096	1253.089	1227.950	1210.546	1204.745
30	1440.666	1434.865	1411.659	1372.984	1324.639	1266.626	1212.480	1166.069	1137.063	1125.460
40	1369.116	1363.315	1342.043	1303.368	1249.222	1183.473	1119.659	1061.645	1021.036	1005.566
50	1146.732	1144.798	1133.195	1106.122	1063.579	1013.301	955.287	895.340	854.731	839.261
60	827.658	829.592	825.724	816.055	792.850	761.909	723.234	680.691	649.750	638.147
70	485.379	487.313	495.048	493.114	489.246	471.842	460.240	438.968	421.564	415.763
80	204.981	210.782	214.650	220.451	222.385	222.385	218.517	212.716	203.047	199.179
90	87.020	88.954	90.888	92.821	92.821	92.821	92.821	92.821	92.821	92.821
100	348.080	363.551	379.021	379.021	361.617	332.610	305.537	282.332	257.193	239.789
110	870.201	856.665	864.400	850.863	814.121	761.909	686.492	599.472	504.717	456.372
120	1129.327	1123.526	1113.857	1090.652	1040.374	970.758	876.002	765.777	678.757	636.214
130	1229.884	1237.619	1216.348	1189.275	1131.261	1044.241	959.155	891.473	816.055	777.380
140	1220.215	1231.818	1204.745	1173.804	1140.930	1080.983	1028.771	963.022	905.009	883.737
150	1169.937	1175.738	1164.136	1142.864	1121.592	1092.586	1057.778	1017.168	980.426	966.890
160	1119.659	1121.592	1127.394	1111.923	1094.519	1077.115	1053.910	1030.705	1021.036	1011.367
170	1055.844	1053.910	1055.844	1055.844	1053.910	1048.109	1044.241	1042.307	1036.506	1034.572
180	1032.638	1032.638	1032.638	1032.638	1032.638	1032.638	1032.638	1032.638	1032.638	1032.638

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	487.47	N.A.	5.10
0-30	1086.62	N.A.	11.30
0-40	1869.8	N.A.	19.50
0-60	3525.97	N.A.	36.70
0-80	4494.27	N.A.	46.80
0-90	4661.18	N.A.	48.50
10-90	4539.4	N.A.	47.30
20-40	1382.33	N.A.	14.40
20-50	2242.41	N.A.	23.40
40-70	2263.9	N.A.	23.60
60-80	968.30	N.A.	10.10
70-80	360.57	N.A.	3.80
80-90	166.91	N.A.	1.70
90-110	790.89	N.A.	8.20
90-120	1626.04	N.A.	16.90
90-130	2524.77	N.A.	26.30
90-150	4037.96	N.A.	42.10
90-180	4940.76	N.A.	51.50
110-180	4149.87	N.A.	43.20
0-180	9601.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.78
10-20	365.69
20-30	599.16
30-40	783.17
40-50	860.08
50-60	796.08
60-70	607.74
70-80	360.57
80-90	166.91
90-100	229.21
100-110	561.68
110-120	835.14
120-130	898.73
130-140	829.09
140-150	684.10
150-160	502.06
160-170	301.41
170-180	99.32

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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

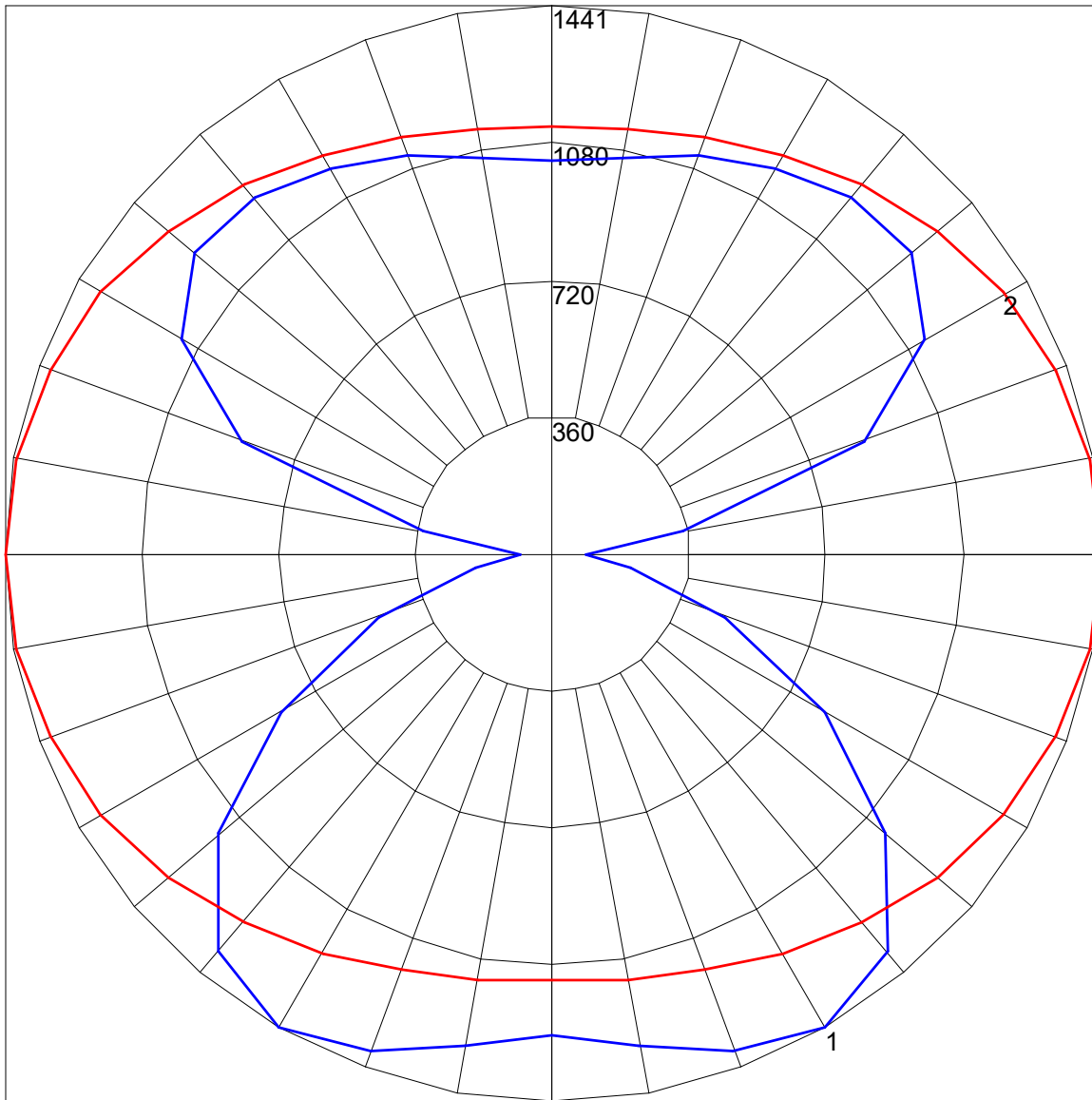
Reflectances

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	12.7	13.5	13.6	14.5	15.8	11.2	12.1	12.1	13.0	14.3
	3H	14.3	15.1	15.3	16.1	17.4	13.0	13.8	13.9	14.7	16.0
	4H	14.9	15.7	15.9	16.7	18.0	13.7	14.4	14.7	15.4	16.7
	6H	15.3	16.0	16.3	17.0	18.4	14.2	14.9	15.2	15.9	17.3
	8H	15.5	16.2	16.5	17.2	18.5	14.5	15.2	15.5	16.2	17.5
	12H	15.7	16.4	16.8	17.4	18.7	14.8	15.4	15.8	16.4	17.8
4H	2H	13.1	13.9	14.1	14.9	16.2	12.0	12.7	13.0	13.7	15.0
	3H	15.0	15.6	16.0	16.6	18.0	14.0	14.6	15.0	15.6	16.9
	4H	15.8	16.3	16.8	17.4	18.7	14.8	15.4	15.8	16.4	17.8
	6H	16.4	16.9	17.4	17.9	19.2	15.5	16.0	16.5	17.0	18.4
	8H	16.6	17.1	17.6	18.1	19.5	15.8	16.3	16.8	17.3	18.7
	12H	16.9	17.3	17.9	18.4	19.7	16.2	16.6	17.2	17.7	19.0
8H	4H	16.0	16.5	17.0	17.5	18.9	15.2	15.7	16.2	16.7	18.1
	6H	16.8	17.2	17.8	18.2	19.6	16.1	16.4	17.1	17.5	18.9
	8H	17.1	17.5	18.2	18.5	19.9	16.5	16.9	17.6	17.9	19.3
	12H	17.6	17.9	18.6	18.9	20.4	17.0	17.3	18.1	18.4	19.8
12H	4H	16.0	16.4	17.1	17.5	18.9	15.2	15.6	16.3	16.7	18.1
	6H	16.8	17.2	17.9	18.2	19.6	16.1	16.5	17.2	17.6	19.0
	8H	17.3	17.6	18.3	18.6	20.1	16.7	17.0	17.7	18.0	19.5

Maximum UGR = 20.4

POLAR GRAPH



Maximum Candela = 1440.666 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.)