



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-5050-FL-HO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L450 HO NW 50 50
 [TESTLAB] Dekko
 [ISSUE DATE] 6/29/2017
 [TEST DATE] 04-05-2017
 [LUMCAT] CURV-8-LED-5050-FL-HO-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	9931
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	97
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	3298	2955	2418
55	3190	2934	2387
65	2880	2759	2311
75	2472	2517	2202
85	3105	3352	3105

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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	1314	1314	1314	1314	1314	1314	1314	1314	1314	1314
10	1362	1360	1350	1342	1328	1318	1308	1298	1294	1292
20	1440	1434	1416	1392	1362	1326	1296	1270	1252	1246
30	1490	1484	1460	1420	1370	1310	1254	1206	1176	1164
40	1416	1410	1388	1348	1292	1224	1158	1098	1056	1040
50	1186	1184	1172	1144	1100	1048	988	926	884	868
60	856	858	854	844	820	788	748	704	672	660
70	502	504	512	510	506	488	476	454	436	430
80	212	218	222	228	230	230	226	220	210	206
90	90	92	94	96	96	96	96	96	96	96
100	360	376	392	392	374	344	316	292	266	248
110	900	886	894	880	842	788	710	620	522	472
120	1168	1162	1152	1128	1076	1004	906	792	702	658
130	1272	1280	1258	1230	1170	1080	992	922	844	804
140	1262	1274	1246	1214	1180	1118	1064	996	936	914
150	1210	1216	1204	1182	1160	1130	1094	1052	1014	1000
160	1158	1160	1166	1150	1132	1114	1090	1066	1056	1046
170	1092	1090	1092	1092	1090	1084	1080	1078	1072	1070
180	1068	1068	1068	1068	1068	1068	1068	1068	1068	1068

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	504.16	N.A.	5.10
0-30	1123.83	N.A.	11.30
0-40	1933.83	N.A.	19.50
0-60	3646.71	N.A.	36.70
0-80	4648.17	N.A.	46.80
0-90	4820.8	N.A.	48.50
10-90	4694.85	N.A.	47.30
20-40	1429.67	N.A.	14.40
20-50	2319.2	N.A.	23.40
40-70	2341.43	N.A.	23.60
60-80	1001.46	N.A.	10.10
70-80	372.91	N.A.	3.80
80-90	172.63	N.A.	1.70
90-110	817.98	N.A.	8.20
90-120	1681.72	N.A.	16.90
90-130	2611.23	N.A.	26.30
90-150	4176.24	N.A.	42.10
90-180	5109.95	N.A.	51.50
110-180	4291.98	N.A.	43.20
0-180	9930.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.95
10-20	378.21
20-30	619.67
30-40	809.99
40-50	889.54
50-60	823.34
60-70	628.55
70-80	372.91
80-90	172.63
90-100	237.06
100-110	580.91
110-120	863.74
120-130	929.51
130-140	857.48
140-150	707.53
150-160	519.26
160-170	311.73
170-180	102.73

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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

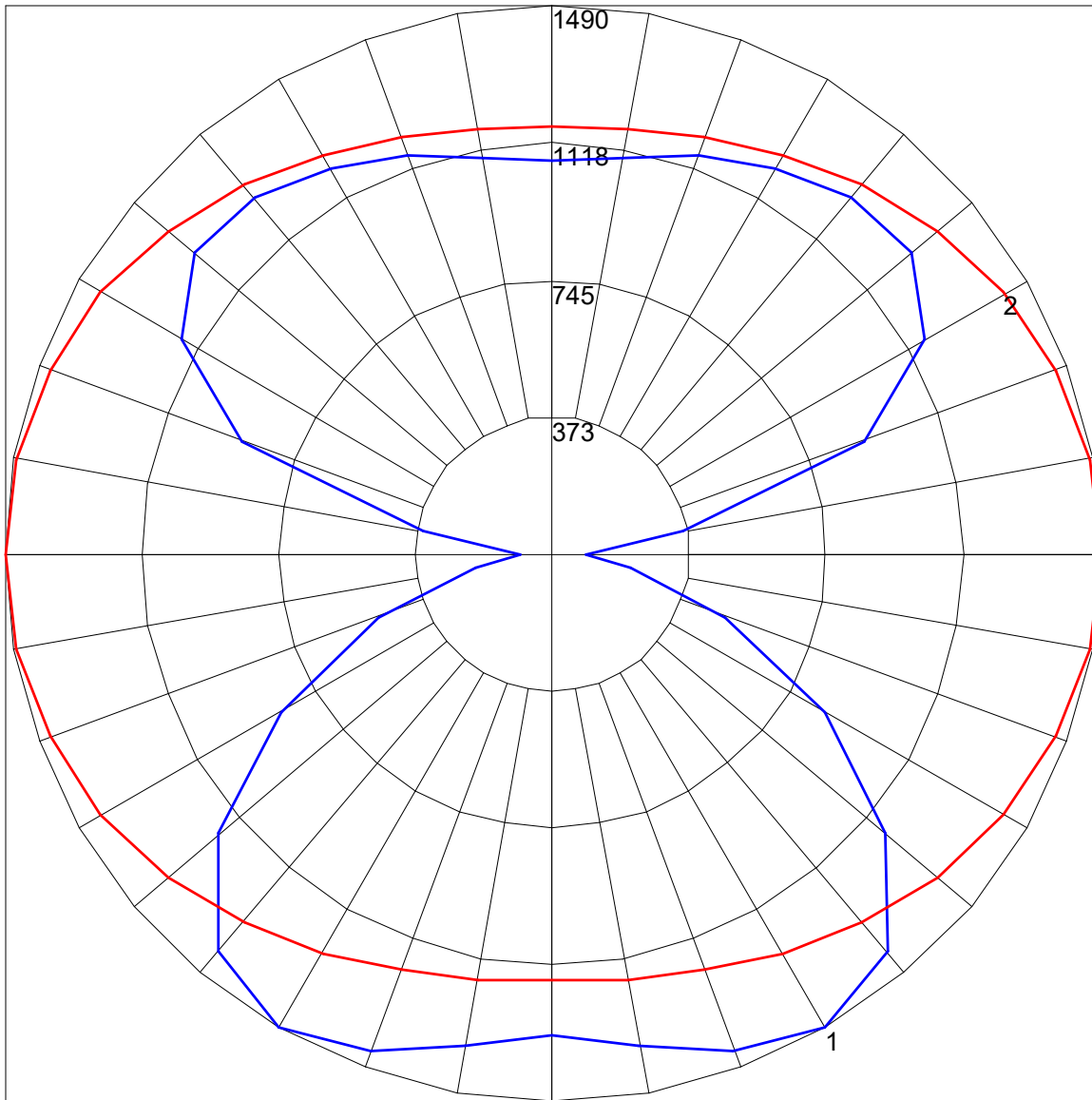
Reflectances

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	13.6	13.7	14.6	15.9	11.3	12.2	12.2	13.1	14.4
	3H	14.4	15.2	15.4	16.2	17.5	13.1	13.9	14.0	14.8	16.1
	4H	15.0	15.8	16.0	16.8	18.1	13.8	14.5	14.8	15.5	16.8
	6H	15.4	16.1	16.4	17.1	18.5	14.3	15.0	15.3	16.0	17.4
	8H	15.6	16.3	16.6	17.3	18.6	14.6	15.3	15.6	16.3	17.6
	12H	15.8	16.5	16.8	17.5	18.8	14.9	15.5	15.9	16.5	17.9
4H	2H	13.2	14.0	14.2	15.0	16.3	12.1	12.8	13.1	13.8	15.1
	3H	15.1	15.7	16.1	16.7	18.1	14.1	14.7	15.1	15.7	17.0
	4H	15.9	16.4	16.9	17.5	18.8	14.9	15.5	15.9	16.5	17.9
	6H	16.5	17.0	17.5	18.0	19.3	15.6	16.1	16.6	17.1	18.5
	8H	16.7	17.2	17.7	18.2	19.6	15.9	16.4	16.9	17.4	18.8
	12H	17.0	17.4	18.0	18.5	19.8	16.3	16.7	17.3	17.8	19.1
8H	4H	16.1	16.6	17.1	17.6	19.0	15.3	15.8	16.3	16.8	18.2
	6H	16.9	17.3	17.9	18.3	19.7	16.2	16.5	17.2	17.6	19.0
	8H	17.2	17.6	18.3	18.6	20.0	16.6	17.0	17.7	18.0	19.4
	12H	17.7	18.0	18.7	19.0	20.5	17.1	17.4	18.2	18.5	19.9
12H	4H	16.1	16.5	17.2	17.6	19.0	15.3	15.7	16.4	16.8	18.2
	6H	16.9	17.3	18.0	18.3	19.7	16.2	16.6	17.3	17.7	19.1
	8H	17.4	17.7	18.4	18.7	20.2	16.8	17.1	17.8	18.1	19.6

Maximum UGR = 20.5

POLAR GRAPH



Maximum Candela = 1490 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.)