



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-6040-FL-HO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L450 HO NW 60 40
 [TESTLAB] Dekko
 [ISSUE DATE] 6/29/2017
 [TEST DATE] 04-05-2017
 [LUMCAT] CURV-8-LED-6040-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	10537
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	97.4
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	2958	2636	2094
55	2850	2619	2094
65	2579	2485	2065
75	2223	2320	2050
85	3002	3301	3023

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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	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102
10	1166	1166	1158	1148	1134	1120	1106	1096	1088	1082
20	1274	1270	1252	1224	1184	1148	1112	1084	1062	1050
30	1334	1330	1302	1262	1210	1156	1092	1042	1008	990
40	1272	1268	1246	1206	1154	1090	1020	958	914	896
50	1062	1062	1050	1026	986	930	874	820	774	756
60	762	766	764	754	734	702	664	628	594	584
70	454	460	462	464	460	448	432	410	394	390
80	188	194	202	210	216	216	214	210	204	202
90	104	104	108	106	106	104	102	100	98	92
100	368	376	412	412	386	366	346	326	294	270
110	1098	1084	1072	1048	996	938	850	716	588	518
120	1516	1502	1474	1418	1342	1236	1108	944	810	740
130	1668	1662	1614	1558	1474	1354	1216	1110	988	932
140	1650	1650	1608	1554	1484	1394	1310	1208	1122	1084
150	1560	1564	1552	1514	1480	1420	1342	1262	1206	1184
160	1486	1474	1474	1456	1420	1380	1334	1296	1276	1262
170	1360	1356	1356	1352	1348	1342	1332	1328	1320	1312
180	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	431.38	N.A.	4.10
0-30	972.98	N.A.	9.20
0-40	1688.57	N.A.	16.00
0-60	3212.16	N.A.	30.50
0-80	4118.00	N.A.	39.10
0-90	4286.93	N.A.	40.70
10-90	4180.56	N.A.	39.70
20-40	1257.19	N.A.	11.90
20-50	2047.6	N.A.	19.40
40-70	2087.78	N.A.	19.80
60-80	905.84	N.A.	8.60
70-80	341.65	N.A.	3.20
80-90	168.93	N.A.	1.60
90-110	918.65	N.A.	8.70
90-120	1969.83	N.A.	18.70
90-130	3128.06	N.A.	29.70
90-150	5089.29	N.A.	48.30
90-180	6250.13	N.A.	59.30
110-180	5331.48	N.A.	50.60
0-180	10537.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.37
10-20	325.01
20-30	541.60
30-40	715.59
40-50	790.41
50-60	733.18
60-70	564.19
70-80	341.65
80-90	168.93
90-100	252.34
100-110	666.31
110-120	1051.18
120-130	1158.23
130-140	1074.46
140-150	886.77
150-160	647.91
160-170	386.68
170-180	126.25

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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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	95	91	87	83	86	83	79	76	68	65	63	54	52	51	41	40	39	33
2	86	79	72	67	78	72	66	62	59	55	51	47	44	42	36	34	32	27
3	78	69	61	55	71	63	56	51	51	47	43	41	38	35	31	29	27	22
4	71	60	52	46	65	55	48	43	45	40	36	36	32	29	28	25	23	19
5	65	54	45	39	59	49	42	36	40	35	31	32	28	25	25	22	20	16
6	60	48	40	34	54	44	37	31	36	31	26	29	25	22	22	19	17	14
7	55	43	35	29	50	39	32	27	33	27	23	26	22	19	20	17	15	12
8	51	39	31	26	46	36	29	24	30	24	20	24	20	17	18	15	13	11
9	48	35	28	23	43	32	26	21	27	22	18	22	18	15	17	14	12	10
10	44	32	25	20	40	30	23	19	25	20	16	20	16	13	16	13	11	9

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UGR TABLE - CORRECTED

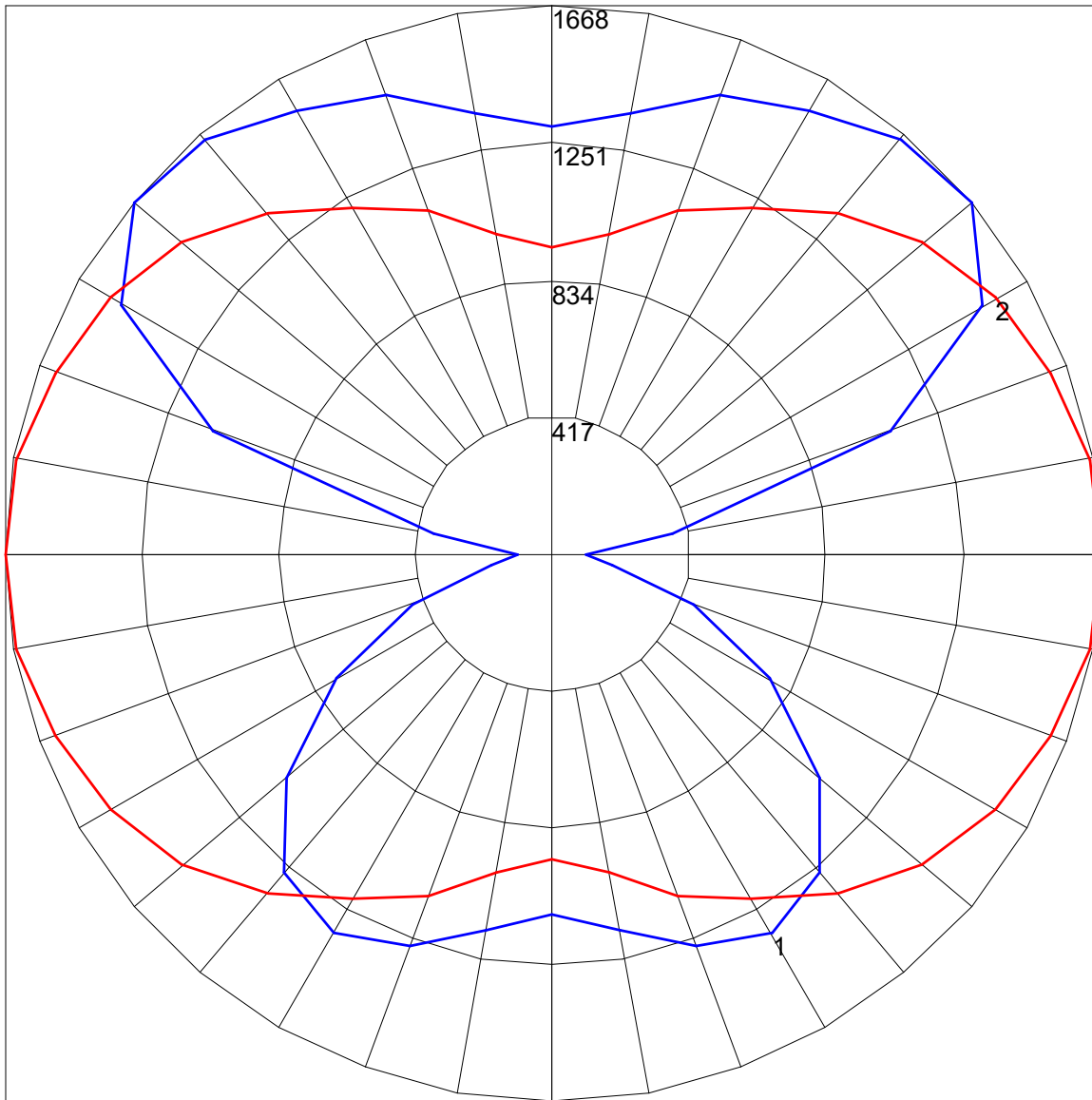
Reflectances

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	11.6	12.4	12.6	13.4	14.8	10.1	10.9	11.1	11.9	13.3
	3H	13.3	14.0	14.3	15.0	16.5	11.9	12.6	12.9	13.7	15.1
	4H	13.9	14.6	14.9	15.6	17.0	12.6	13.3	13.7	14.4	15.8
	6H	14.3	15.0	15.4	16.0	17.4	13.3	13.9	14.3	15.0	16.4
	8H	14.5	15.1	15.6	16.2	17.6	13.6	14.2	14.6	15.3	16.7
	12H	14.7	15.3	15.8	16.4	17.8	13.9	14.5	15.0	15.6	17.0
4H	2H	12.1	12.8	13.1	13.8	15.2	10.9	11.6	11.9	12.6	14.0
	3H	14.0	14.6	15.0	15.6	17.1	12.9	13.5	14.0	14.6	16.0
	4H	14.7	15.3	15.8	16.3	17.8	13.8	14.3	14.9	15.4	16.9
	6H	15.3	15.8	16.4	16.9	18.3	14.6	15.0	15.6	16.1	17.6
	8H	15.6	16.0	16.7	17.1	18.6	14.9	15.4	16.0	16.4	17.9
	12H	15.9	16.3	17.0	17.4	18.9	15.3	15.7	16.4	16.8	18.3
8H	4H	15.0	15.4	16.1	16.5	18.0	14.2	14.6	15.3	15.7	17.2
	6H	15.8	16.1	16.8	17.2	18.7	15.1	15.5	16.2	16.6	18.1
	8H	16.2	16.5	17.3	17.6	19.1	15.7	16.0	16.8	17.1	18.6
	12H	16.6	16.9	17.7	18.0	19.5	16.2	16.5	17.3	17.6	19.1
12H	4H	15.0	15.4	16.1	16.5	18.0	14.2	14.6	15.3	15.7	17.2
	6H	15.8	16.2	16.9	17.3	18.8	15.2	15.6	16.3	16.7	18.2
	8H	16.3	16.6	17.4	17.7	19.2	15.8	16.1	16.9	17.2	18.7

Maximum UGR = 19.5

POLAR GRAPH



Maximum Candela = 1668 Located At Horizontal Angle = 0, Vertical Angle = 130
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)