



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-6040-FL-SS-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L450 VHO NW 60 40_Scaled
 [TESTLAB] Dekko
 [ISSUE DATE] 6/29/2017
 [TEST DATE] 04-03-2017
 [LUMCAT] CURV-8-LED-6040-FL-SS-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	8488
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	82
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	2383	2123	1687
55	2296	2109	1686
65	2077	2002	1664
75	1791	1869	1651
85	2419	2659	2435

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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	887.705	887.705	887.705	887.705	887.705	887.705	887.705	887.705	887.705	887.705
10	939.260	939.260	932.815	924.760	913.482	902.205	890.927	882.872	876.428	871.594
20	1026.258	1023.036	1008.536	985.981	953.759	924.760	895.761	873.205	855.484	845.817
30	1074.590	1071.368	1048.813	1016.592	974.703	931.204	879.650	839.373	811.984	797.485
40	1024.647	1021.425	1003.703	971.481	929.593	878.039	821.651	771.707	736.264	721.764
50	855.484	855.484	845.817	826.484	794.262	749.152	704.042	660.543	623.488	608.988
60	613.821	617.044	615.433	607.377	591.266	565.489	534.879	505.879	478.491	470.435
70	365.715	370.548	372.159	373.771	370.548	360.882	347.993	330.271	317.383	314.161
80	151.442	156.275	162.719	169.163	173.997	173.997	172.386	169.163	164.330	162.719
90	83.776	83.776	86.998	85.387	85.387	83.776	82.165	80.554	78.943	74.110
100	296.439	302.883	331.882	331.882	310.938	294.828	278.717	262.606	236.829	217.496
110	884.483	873.205	863.539	844.206	802.318	755.597	684.709	576.767	473.658	417.270
120	1221.199	1209.921	1187.366	1142.256	1081.035	995.647	892.538	760.430	652.487	596.100
130	1343.641	1338.808	1300.142	1255.031	1187.366	1090.701	979.537	894.149	795.874	750.763
140	1329.141	1329.141	1295.308	1251.809	1195.421	1122.923	1055.257	973.092	903.816	873.205
150	1256.642	1259.865	1250.198	1219.588	1192.199	1143.867	1081.035	1016.592	971.481	953.759
160	1197.032	1187.366	1187.366	1172.866	1143.867	1111.645	1074.590	1043.980	1027.869	1016.592
170	1095.534	1092.312	1092.312	1089.090	1085.868	1081.035	1072.979	1069.757	1063.313	1056.869
180	1050.424	1050.424	1050.424	1050.424	1050.424	1050.424	1050.424	1050.424	1050.424	1050.424

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	347.49	N.A.	4.10
0-30	783.78	N.A.	9.20
0-40	1360.21	N.A.	16.00
0-60	2587.52	N.A.	30.50
0-80	3317.21	N.A.	39.10
0-90	3453.29	N.A.	40.70
10-90	3367.61	N.A.	39.70
20-40	1012.72	N.A.	11.90
20-50	1649.42	N.A.	19.40
40-70	1681.79	N.A.	19.80
60-80	729.69	N.A.	8.60
70-80	275.21	N.A.	3.20
80-90	136.08	N.A.	1.60
90-110	740.01	N.A.	8.70
90-120	1586.78	N.A.	18.70
90-130	2519.78	N.A.	29.70
90-150	4099.63	N.A.	48.30
90-180	5034.73	N.A.	59.30
110-180	4294.72	N.A.	50.60
0-180	8488.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	85.68
10-20	261.81
20-30	436.28
30-40	576.44
40-50	636.71
50-60	590.61
60-70	454.48
70-80	275.21
80-90	136.08
90-100	203.27
100-110	536.74
110-120	846.77
120-130	933.00
130-140	865.52
140-150	714.33
150-160	521.92
160-170	311.49
170-180	101.70

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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

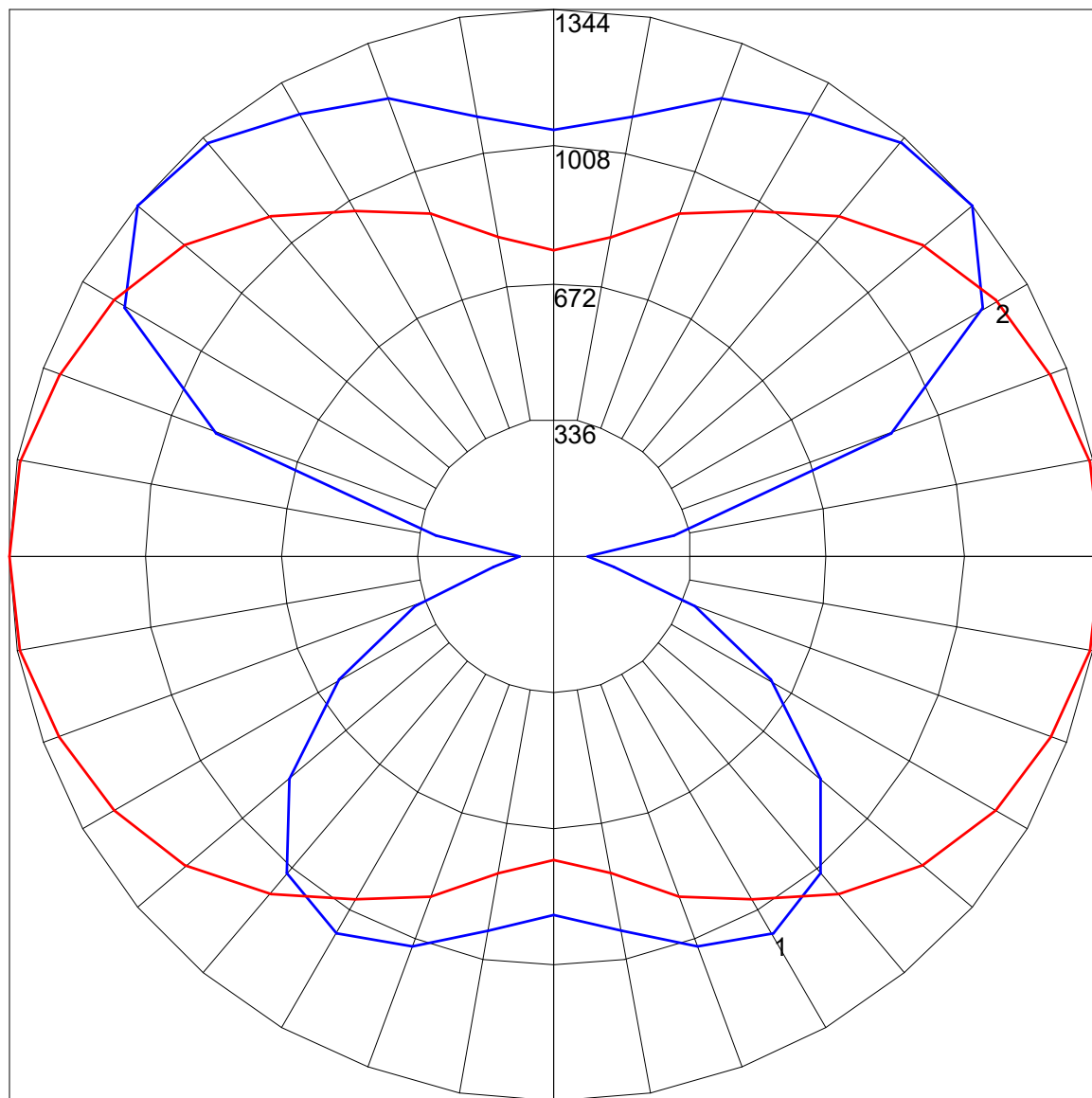
Reflectances

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	10.8	11.6	11.8	12.6	14.0	9.3	10.1	10.3	11.1	12.5
	3H	12.5	13.2	13.5	14.2	15.7	11.1	11.8	12.1	12.9	14.3
	4H	13.1	13.8	14.1	14.8	16.2	11.8	12.5	12.9	13.6	15.0
	6H	13.5	14.2	14.6	15.2	16.6	12.5	13.1	13.5	14.2	15.6
	8H	13.7	14.3	14.8	15.4	16.8	12.8	13.4	13.8	14.5	15.9
	12H	13.9	14.5	15.0	15.6	17.0	13.1	13.7	14.2	14.8	16.2
4H	2H	11.3	12.0	12.3	13.0	14.4	10.1	10.8	11.1	11.8	13.2
	3H	13.2	13.8	14.2	14.8	16.3	12.1	12.7	13.2	13.8	15.2
	4H	13.9	14.5	15.0	15.5	17.0	13.0	13.5	14.1	14.6	16.1
	6H	14.5	15.0	15.6	16.1	17.5	13.8	14.2	14.8	15.3	16.8
	8H	14.8	15.2	15.9	16.3	17.8	14.1	14.6	15.2	15.7	17.1
	12H	15.1	15.5	16.2	16.6	18.1	14.5	14.9	15.6	16.0	17.5
8H	4H	14.2	14.6	15.3	15.7	17.2	13.4	13.8	14.5	14.9	16.4
	6H	15.0	15.3	16.1	16.4	17.9	14.3	14.7	15.4	15.8	17.3
	8H	15.4	15.7	16.5	16.8	18.3	14.9	15.2	16.0	16.3	17.8
	12H	15.8	16.1	16.9	17.2	18.7	15.4	15.7	16.5	16.8	18.3
12H	4H	14.2	14.6	15.3	15.7	17.2	13.4	13.8	14.5	14.9	16.4
	6H	15.0	15.4	16.1	16.5	18.0	14.4	14.8	15.5	15.9	17.4
	8H	15.5	15.8	16.6	16.9	18.4	15.0	15.3	16.1	16.4	17.9

Maximum UGR = 18.7

POLAR GRAPH



Maximum Candela = 1343.641 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.)