



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L450 VHO NW_Scaled
 [TESTLAB] Dekko
 [ISSUE DATE] 6/29/2017
 [TEST DATE] 04-3-2017
 [LUMCAT] CURV-8-LED-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	12406
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	98
Ballast Factor	1.00
CIE Type	Semi-Indirect
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	1868	1444	956
55	1988	1585	1015
65	1944	1632	1054
75	1862	1657	1105
85	2585	2466	1849

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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	409.995	409.995	409.995	409.995	409.995	409.995	409.995	409.995	409.995	409.995
10	448.674	450.608	446.740	440.938	433.203	425.467	419.665	413.863	409.995	411.929
20	547.305	547.305	533.767	514.428	491.221	466.080	444.806	427.401	415.797	415.797
30	682.681	673.011	645.936	609.191	564.710	516.362	473.815	440.938	419.665	413.863
40	758.105	752.303	723.294	669.143	613.059	551.173	487.353	439.004	408.061	396.458
50	715.558	713.624	688.483	645.936	587.918	526.032	460.278	408.061	371.316	357.779
60	556.975	558.909	547.305	522.164	479.617	435.137	382.920	338.440	305.563	292.025
70	359.713	361.647	357.779	346.175	324.902	299.761	268.818	239.809	216.601	204.998
80	177.922	181.790	181.790	177.922	172.121	160.517	148.913	135.376	121.838	114.102
90	73.490	73.490	73.490	73.490	73.490	73.490	71.556	69.622	67.688	65.754
100	717.492	692.351	692.351	674.945	616.927	535.701	454.476	371.316	282.355	237.875
110	2235.635	2198.890	2127.334	1993.892	1835.309	1624.510	1378.899	1073.337	752.303	589.852
120	2798.411	2751.997	2668.837	2537.329	2336.200	2096.391	1779.225	1425.314	1100.412	943.763
130	2947.325	2908.646	2811.949	2666.903	2473.509	2220.163	1924.270	1632.245	1342.154	1239.656
140	2813.883	2779.072	2697.846	2568.272	2400.020	2222.097	1999.694	1750.216	1527.813	1463.993
150	2579.876	2554.735	2510.254	2448.368	2307.190	2142.806	1980.355	1779.225	1668.990	1628.378
160	2309.124	2287.851	2251.106	2195.022	2117.664	2015.166	1904.931	1827.573	1781.159	1748.282
170	1990.024	1984.222	1968.751	1943.610	1924.270	1901.063	1883.658	1858.516	1839.177	1833.375
180	1868.186	1868.186	1868.186	1868.186	1868.186	1868.186	1868.186	1868.186	1868.186	1868.186

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	169.12	N.A.	1.40
0-30	406.06	N.A.	3.30
0-40	758.99	N.A.	6.10
0-60	1641.31	N.A.	13.20
0-80	2252.76	N.A.	18.20
0-90	2378.36	N.A.	19.20
10-90	2338.27	N.A.	18.80
20-40	589.87	N.A.	4.80
20-50	1026.96	N.A.	8.30
40-70	1251.38	N.A.	10.10
60-80	611.44	N.A.	4.90
70-80	242.39	N.A.	2.00
80-90	125.61	N.A.	1.00
90-110	1458.15	N.A.	11.80
90-120	3275.97	N.A.	26.40
90-130	5201.88	N.A.	41.90
90-150	8310.98	N.A.	67.00
90-180	10027.17	N.A.	80.80
110-180	8569.02	N.A.	69.10
0-180	12405.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	40.10
10-20	129.03
20-30	236.94
30-40	352.93
40-50	437.09
50-60	445.23
60-70	369.06
70-80	242.39
80-90	125.61
90-100	329.99
100-110	1128.16
110-120	1817.81
120-130	1925.91
130-140	1727.76
140-150	1381.34
150-160	974.72
160-170	561.01
170-180	180.46

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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	90	86	82	79	79	76	73	70	57	55	53	40	38	37	24	23	22	15
2	82	75	69	63	72	66	61	57	49	46	43	34	32	30	20	19	18	12
3	74	65	58	52	65	57	51	47	43	39	36	30	27	25	18	16	15	10
4	68	57	49	44	59	51	44	39	38	33	30	26	23	21	16	14	13	8
5	62	51	43	37	54	45	38	33	34	29	25	23	20	18	14	12	11	7
6	57	45	37	32	50	40	33	28	30	25	22	21	18	15	12	11	9	6
7	52	40	33	27	46	36	29	24	27	22	19	19	16	13	11	9	8	5
8	48	36	29	24	42	32	26	21	24	20	16	17	14	12	10	8	7	4
9	45	33	26	21	39	29	23	19	22	18	14	15	12	10	9	7	6	4
10	42	30	23	18	36	27	20	16	20	16	13	14	11	9	8	7	5	3

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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

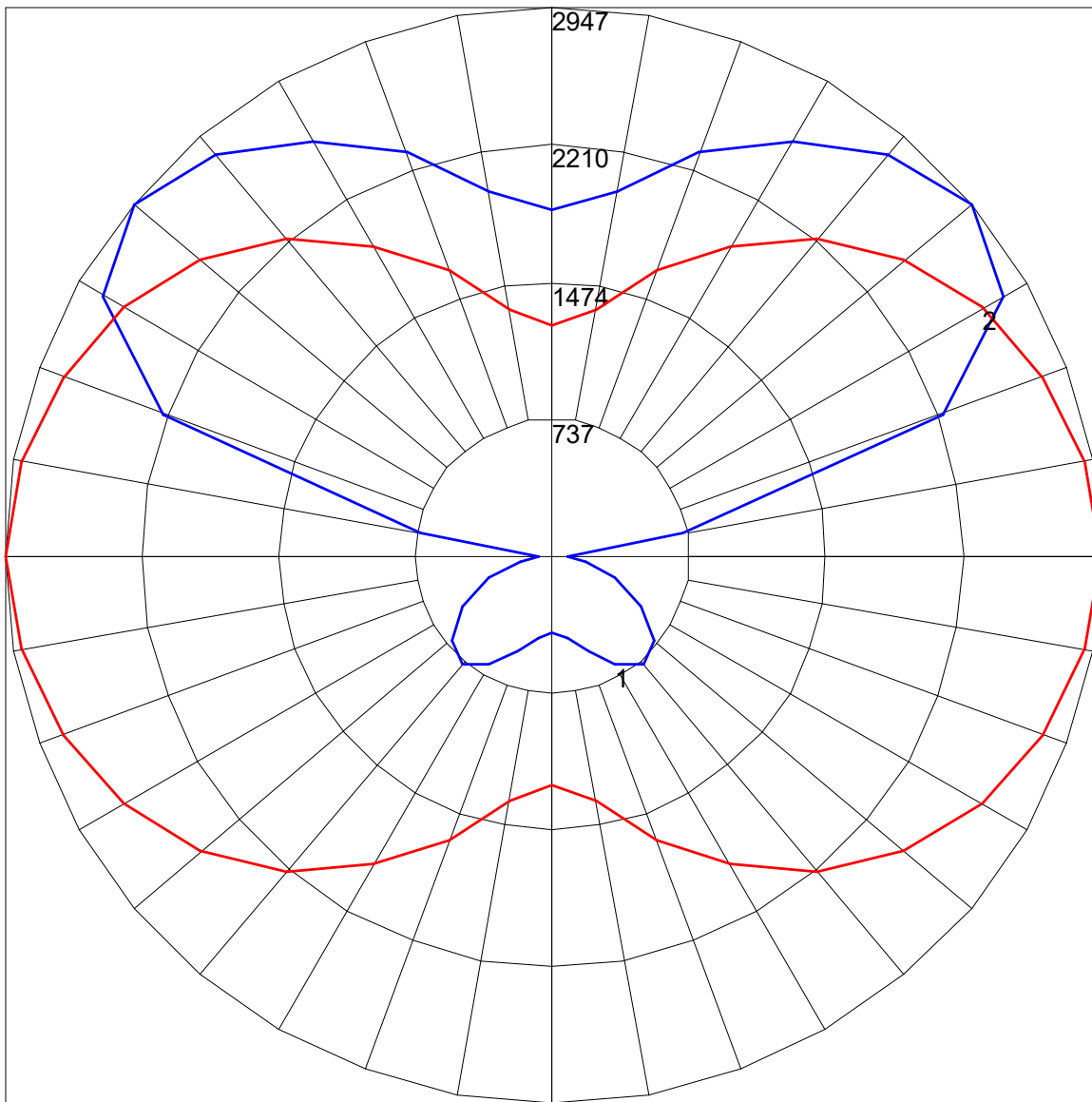
X=2H	Y=2H	8.7	8.7	9.2	9.9	11.5	8.7	8.7	8.7	8.7	8.7
	3H	10.0	10.6	11.2	11.8	13.4	8.7	8.7	8.7	8.7	9.9
	4H	10.8	11.3	12.0	12.5	14.2	8.7	8.7	8.7	9.0	10.7
	6H	11.4	11.9	12.6	13.1	14.8	8.7	8.7	9.2	9.7	11.3
	8H	11.7	12.2	12.9	13.4	15.0	8.7	8.8	9.5	10.0	11.7
	12H	12.0	12.5	13.2	13.6	15.3	8.7	9.2	9.9	10.4	12.1

UGR Viewed Endwise

4H	2H	8.7	9.0	9.6	10.1	11.8	8.7	8.7	8.7	8.7	9.2
	3H	10.6	11.1	11.8	12.3	14.0	8.7	8.7	9.1	9.6	11.2
	4H	11.6	12.0	12.8	13.2	14.9	8.8	9.3	10.0	10.4	12.1
	6H	12.4	12.8	13.6	14.0	15.7	9.6	10.0	10.8	11.2	12.9
	8H	12.8	13.1	14.0	14.3	16.0	10.0	10.4	11.2	11.6	13.3
	12H	13.2	13.5	14.4	14.7	16.4	10.5	10.8	11.7	12.0	13.7
8H	4H	11.8	12.2	13.0	13.4	15.1	9.5	9.8	10.7	11.0	12.7
	6H	12.8	13.1	14.1	14.4	16.1	10.5	10.8	11.7	12.1	13.8
	8H	13.4	13.6	14.6	14.8	16.6	11.1	11.3	12.3	12.5	14.3
	12H	13.9	14.2	15.2	15.4	17.1	11.7	11.9	12.9	13.1	14.9
12H	4H	11.8	12.1	13.0	13.3	15.0	9.6	9.9	10.8	11.1	12.8
	6H	12.9	13.1	14.1	14.4	16.1	10.7	11.0	12.0	12.2	13.9
	8H	13.5	13.7	14.7	14.9	16.7	11.4	11.6	12.6	12.8	14.6

Maximum UGR = 17.1

POLAR GRAPH



Maximum Candela = 2947.325 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.)