



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-6040-FB-VHO-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L445 VHO NW  
[TESTLAB] Dekko  
[TESTDATE] 04-10-2017  
[ISSUEDATE] 9/2/2020  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] CURV-4-LED-6040-FB-VHO-35  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4771
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	71.9
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)	4.00 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	2749	2426	2350
55	2246	1717	1444
65	1501	909	630
75	807	526	427
85	1193	1186	1094

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-6040-FB-VHO-35.IES**

**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>
<b>0</b>	952.747	952.747	952.747	952.747	952.747	952.747	952.747	952.747	952.747	952.747
<b>10</b>	943.423	937.874	936.699	934.734	932.196	930.644	928.642	925.541	925.618	924.926
<b>20</b>	881.079	878.784	874.786	869.489	863.884	856.627	852.328	847.137	844.119	843.587
<b>30</b>	770.745	768.119	758.294	744.781	737.028	733.292	734.184	732.267	730.942	731.033
<b>40</b>	631.005	625.217	606.399	589.725	577.325	574.521	575.217	577.277	575.593	576.505
<b>50</b>	453.561	443.713	419.909	401.672	387.619	374.908	363.516	356.150	351.919	350.668
<b>60</b>	265.282	253.213	227.821	206.191	182.608	153.836	130.493	117.689	113.901	111.362
<b>70</b>	88.732	83.633	72.891	57.444	47.676	44.356	41.670	38.810	37.531	37.079
<b>80</b>	27.809	28.960	29.625	29.987	30.162	29.608	29.070	27.699	25.264	24.640
<b>90</b>	30.181	30.141	30.047	29.461	28.390	27.197	26.303	26.393	28.595	28.536
<b>100</b>	212.478	221.668	216.281	225.361	221.604	207.925	191.273	169.553	156.823	149.796
<b>110</b>	472.202	494.879	484.434	473.055	449.488	423.032	385.645	353.329	301.357	283.375
<b>120</b>	586.783	611.458	602.281	589.644	572.035	533.477	502.051	461.506	397.400	394.452
<b>130</b>	652.689	661.574	667.243	649.391	633.924	610.792	578.931	514.628	484.210	484.537
<b>140</b>	681.064	685.844	702.404	693.442	672.850	645.264	592.277	548.319	549.587	550.764
<b>150</b>	684.452	690.336	684.486	686.119	653.679	605.104	588.137	589.486	592.995	594.775
<b>160</b>	589.289	590.912	596.080	599.550	603.592	607.961	611.046	614.264	617.239	617.961
<b>170</b>	600.250	599.928	602.045	605.887	609.496	612.611	615.677	617.088	618.266	619.135
<b>180</b>	608.353	608.353	608.353	608.353	608.353	608.353	608.353	608.353	608.353	608.353

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-6040-FB-VHO-35.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	344.05	N.A.	7.20
0-30	715.35	N.A.	15.00
0-40	1133.97	N.A.	23.80
0-60	1765.85	N.A.	37.00
0-80	1923.2	N.A.	40.30
0-90	1954.27	N.A.	41.00
10-90	1864.32	N.A.	39.10
20-40	789.92	N.A.	16.60
20-50	1168.82	N.A.	24.50
40-70	745.53	N.A.	15.60
60-80	157.35	N.A.	3.30
70-80	43.70	N.A.	0.90
80-90	31.06	N.A.	0.70
90-110	449.40	N.A.	9.40
90-120	918.32	N.A.	19.20
90-130	1423.21	N.A.	29.80
90-150	2298.83	N.A.	48.20
90-180	2816.53	N.A.	59.00
110-180	2367.14	N.A.	49.60
0-180	4770.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	89.94
10-20	254.11
20-30	371.30
30-40	418.62
40-50	378.90
50-60	252.98
60-70	113.65
70-80	43.70
80-90	31.06
90-100	124.11
100-110	325.29
110-120	468.93
120-130	504.89
130-140	476.51
140-150	399.11
150-160	287.34
160-170	172.21
170-180	58.15

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-6040-FB-VHO-35.IES**

**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	96	92	89	86	88	84	81	79	70	67	66	56	54	53	43	42	42	36
2	88	82	76	71	80	75	70	66	62	58	55	50	48	46	39	37	36	31
3	81	72	65	60	74	66	60	56	55	51	47	45	42	39	35	33	32	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	32	30	28	24
5	68	58	50	44	62	53	46	41	44	39	36	36	33	30	29	26	25	21
6	63	52	44	39	58	48	41	36	40	35	31	33	29	27	26	24	22	19
7	59	47	39	34	53	43	37	32	37	31	28	30	26	24	24	22	20	17
8	54	43	35	30	50	39	33	28	33	28	25	28	24	21	22	20	18	15
9	51	39	32	27	46	36	30	25	31	26	22	26	22	19	21	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	24	20	17	19	17	15	13

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-6040-FB-VHO-35.IES**

**UGR TABLE - CORRECTED**

Reflectances

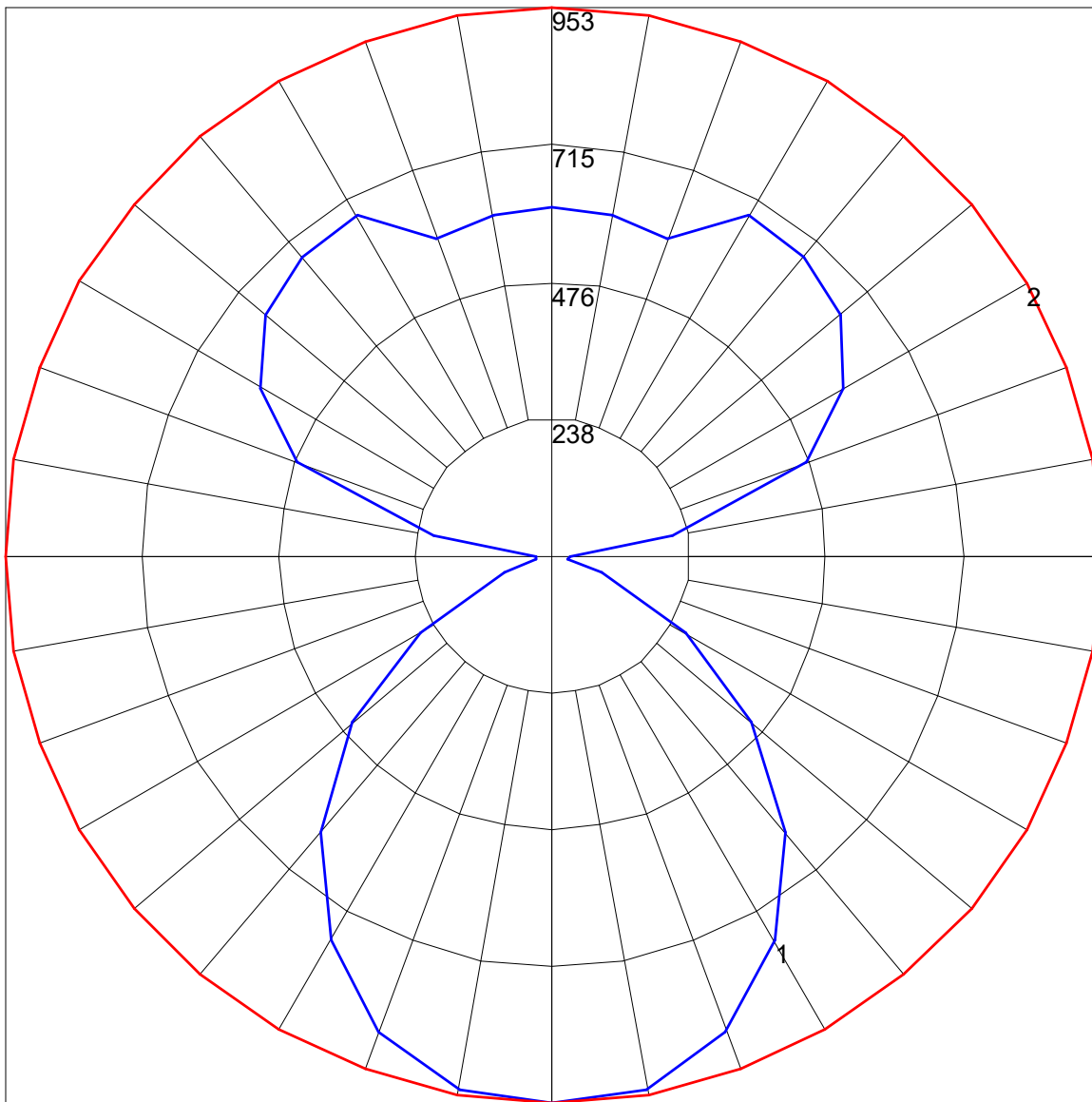
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size      UGR Viewed Crosswise

X=2H	Y=2H	9.2	9.9	10.2	10.9	12.3	UGR Viewed Endwise				
	3H	9.8	10.5	10.9	11.5	13.0	5.9	6.6	6.9	7.7	9.0
	4H	10.0	10.6	11.1	11.7	13.1	6.2	6.8	7.2	7.9	9.3
	6H	10.1	10.7	11.2	11.7	13.2	6.3	6.9	7.4	8.0	9.4
	8H	10.1	10.7	11.2	11.8	13.2	6.5	7.1	7.6	8.1	9.6
	12H	10.3	10.8	11.3	11.8	13.3	6.7	7.2	7.7	8.3	9.7
4H							7.0	7.5	8.0	8.5	10.0
	2H	9.1	9.7	10.2	10.8	12.2	6.2	6.8	7.3	7.9	9.3
	3H	9.8	10.4	10.9	11.4	12.9	6.6	7.1	7.7	8.2	9.6
	4H	10.1	10.6	11.2	11.7	13.1	6.8	7.3	7.9	8.4	9.8
	6H	10.3	10.7	11.4	11.8	13.3	7.1	7.5	8.2	8.6	10.1
	8H	10.4	10.8	11.5	11.9	13.3	7.4	7.8	8.5	8.9	10.3
8H	12H	10.6	11.0	11.7	12.1	13.5	7.8	8.2	9.0	9.3	10.8
	4H	10.0	10.4	11.1	11.5	13.0	6.9	7.3	8.0	8.4	9.9
	6H	10.3	10.6	11.4	11.8	13.2	7.4	7.8	8.6	8.9	10.3
	8H	10.5	10.8	11.6	11.9	13.4	7.9	8.1	9.0	9.3	10.7
12H	12H	10.9	11.2	12.0	12.3	13.8	8.5	8.8	9.7	9.9	11.4
	4H	10.0	10.3	11.1	11.4	12.9	6.9	7.3	8.0	8.4	9.8
	6H	10.3	10.6	11.4	11.7	13.2	7.5	7.8	8.6	8.9	10.4
	8H	10.6	10.8	11.7	11.9	13.5	8.0	8.3	9.2	9.4	10.9

Maximum UGR = 13.8

POLAR GRAPH



Maximum Candela = 952.747 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)