



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-3070-FB-VHO-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L445 VHO NW 30 70  
 [TESTLAB] Dekko  
 [TESTDATE] 03-31-2017  
 [ISSUE DATE] 9/2/2020  
 [MANUFAC] LSI INDUSTRIES, INC.  
 [LUMCAT] CURV-4-LED-3070-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	2903
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	40
Total Luminaire Watts	71.9
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.20
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	2973	2565	2378
55	2274	1621	1254
65	1238	631	359
75	295	114	73
85	0	32	0

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-3070-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>	1098.948	1098.948	1098.948	1098.948	1098.948	1098.948	1098.948	1098.948	1098.948	1098.948
<b>10</b>	1075.965	1072.024	1070.836	1070.567	1067.758	1064.675	1061.629	1058.504	1057.213	1055.335
<b>20</b>	999.917	998.527	993.290	985.469	975.993	961.634	954.641	949.178	946.773	945.736
<b>30</b>	870.713	869.389	856.005	837.304	823.540	817.326	813.496	811.980	808.442	808.982
<b>40</b>	694.473	689.002	664.516	642.414	630.294	623.002	618.942	615.081	612.464	611.068
<b>50</b>	478.311	468.217	438.248	414.616	394.995	375.931	351.890	338.543	330.119	327.182
<b>60</b>	249.457	240.331	209.038	181.008	150.049	116.730	94.614	82.804	76.320	74.170
<b>70</b>	42.546	41.679	34.929	20.406	16.212	14.693	13.045	11.637	10.904	10.502
<b>80</b>	0.000	0.361	0.809	1.050	1.222	0.903	0.516	0.170	0.000	0.000
<b>90</b>	0.000	0.319	0.598	0.766	0.680	0.284	0.000	0.000	0.000	0.000
<b>100</b>	52.755	43.176	40.098	58.629	46.879	48.629	43.751	36.719	28.545	24.640
<b>110</b>	142.123	133.869	119.105	111.921	110.999	120.196	109.386	103.202	89.421	86.499
<b>120</b>	195.930	191.787	180.999	169.122	156.499	150.417	144.885	136.864	128.877	129.884
<b>130</b>	220.130	219.416	216.763	207.214	199.402	193.189	179.212	170.403	168.008	168.058
<b>140</b>	235.162	238.810	238.126	232.614	222.490	207.609	203.410	202.087	201.898	202.032
<b>150</b>	232.310	232.181	229.872	229.648	225.399	225.191	225.354	225.134	225.629	225.833
<b>160</b>	232.713	233.327	238.444	239.471	239.564	239.814	240.096	240.798	241.464	242.013
<b>170</b>	242.511	242.427	243.889	246.662	249.556	250.172	250.893	250.508	250.337	249.919
<b>180</b>	246.736	246.736	246.736	246.736	246.736	246.736	246.736	246.736	246.736	246.736

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-3070-FB-VHO-35.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	391.92	N.A.	13.50
0-30	808.90	N.A.	27.90
0-40	1270.48	N.A.	43.80
0-60	1909.69	N.A.	65.80
0-80	2004.03	N.A.	69.00
0-90	2004.49	N.A.	69.10
10-90	1901.19	N.A.	65.50
20-40	878.56	N.A.	30.30
20-50	1277.13	N.A.	44.00
40-70	722.08	N.A.	24.90
60-80	94.33	N.A.	3.20
70-80	11.46	N.A.	0.40
80-90	0.47	N.A.	0.00
90-110	105.64	N.A.	3.60
90-120	239.91	N.A.	8.30
90-130	397.91	N.A.	13.70
90-150	697.73	N.A.	24.00
90-180	898.28	N.A.	30.90
110-180	792.64	N.A.	27.30
0-180	2902.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	103.30
10-20	288.62
20-30	416.98
30-40	461.58
40-50	398.57
50-60	240.64
60-70	82.87
70-80	11.46
80-90	0.47
90-100	23.50
100-110	82.14
110-120	134.27
120-130	158.00
130-140	159.77
140-150	140.06
150-160	107.95
160-170	68.99
170-180	23.61

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-3070-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	112	112	112	112	105	105	105	105	94	94	94	83	83	83	74	74	74	69
1	104	100	97	94	98	95	92	90	85	83	81	76	75	73	68	67	66	62
2	96	90	84	80	91	85	80	76	77	73	70	69	66	64	62	60	58	55
3	89	80	74	68	84	76	71	66	69	65	61	63	59	56	56	54	52	48
4	82	72	65	59	78	69	62	57	63	58	53	57	53	50	52	48	46	43
5	76	65	58	52	72	62	56	50	57	51	47	52	47	44	47	44	41	38
6	70	59	52	46	67	57	50	45	52	46	42	47	43	39	43	40	37	34
7	66	54	46	41	62	52	45	40	47	42	38	44	39	35	40	36	33	31
8	61	49	42	37	58	47	41	36	44	38	34	40	35	32	37	33	30	28
9	57	45	38	33	54	44	37	32	40	35	31	37	32	29	34	30	27	25
10	54	42	35	30	51	40	34	30	37	32	28	34	30	27	32	28	25	23

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-3070-FB-VHO-35.IES**

**UGR TABLE - CORRECTED**

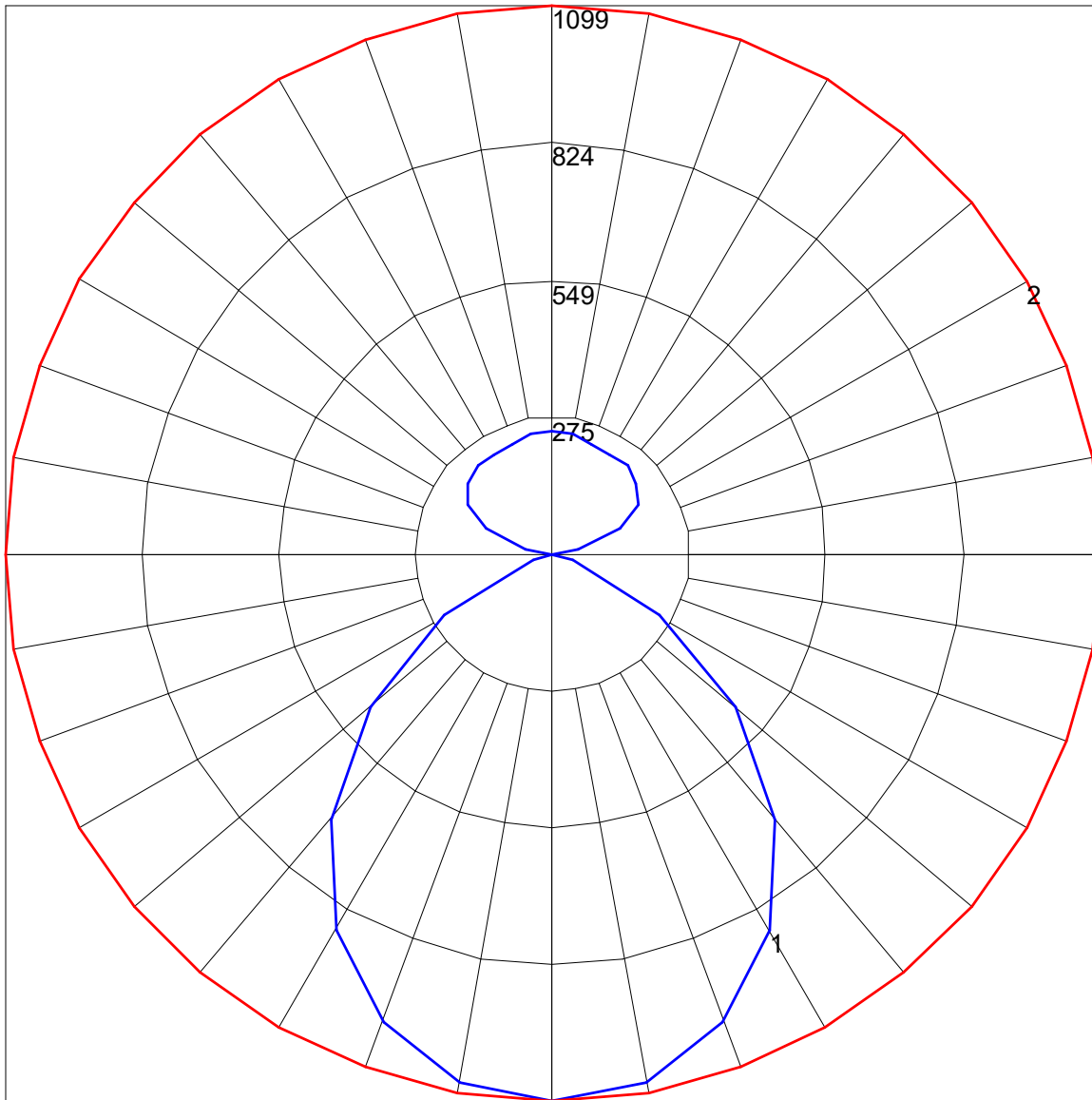
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	11.5	12.4	12.2	13.2	14.2	7.0	7.9	7.8	8.7	9.7
	3H	11.7	12.5	12.5	13.3	14.4	7.0	7.8	7.8	8.6	9.6
	4H	11.7	12.4	12.5	13.3	14.3	6.9	7.7	7.7	8.5	9.5
	6H	11.6	12.3	12.4	13.1	14.2	6.8	7.5	7.7	8.4	9.4
	8H	11.5	12.2	12.4	13.0	14.1	6.8	7.4	7.6	8.3	9.3
	12H	11.5	12.1	12.3	13.0	14.0	6.7	7.3	7.6	8.2	9.2
4H	2H	11.3	12.1	12.2	12.9	13.9	7.2	8.0	8.0	8.8	9.8
	3H	11.6	12.2	12.4	13.1	14.1	7.2	7.8	8.0	8.7	9.7
	4H	11.5	12.1	12.4	13.0	14.0	7.1	7.7	8.0	8.5	9.6
	6H	11.5	12.0	12.3	12.8	13.9	7.0	7.5	7.9	8.4	9.5
	8H	11.4	11.9	12.3	12.7	13.8	7.0	7.4	7.8	8.3	9.4
	12H	11.4	11.7	12.2	12.6	13.7	6.9	7.3	7.8	8.2	9.3
8H	4H	11.4	11.8	12.3	12.7	13.8	7.0	7.4	7.9	8.3	9.4
	6H	11.3	11.7	12.2	12.6	13.7	6.9	7.2	7.8	8.2	9.2
	8H	11.2	11.6	12.2	12.5	13.6	6.8	7.1	7.7	8.1	9.2
	12H	11.2	11.5	12.1	12.4	13.5	6.8	7.0	7.7	7.9	9.1
12H	4H	11.3	11.7	12.2	12.6	13.7	6.9	7.3	7.8	8.2	9.3
	6H	11.2	11.6	12.2	12.5	13.6	6.8	7.1	7.7	8.0	9.2
	8H	11.2	11.5	12.1	12.4	13.5	6.8	7.0	7.7	7.9	9.1

Maximum UGR = 14.4

POLAR GRAPH



Maximum Candela = 1098.948 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.)