

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: INVUE

Report Number: P151576

Luminaire Tested: **VXS-F01-LED-E1-SL4-HSS-7050**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P151576  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-F01-LED-E1-SL4-HSS-7050  
Description: VISION SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (7) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1723.7 lumens  
Efficiency: N/A  
Efficacy: 66.6 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

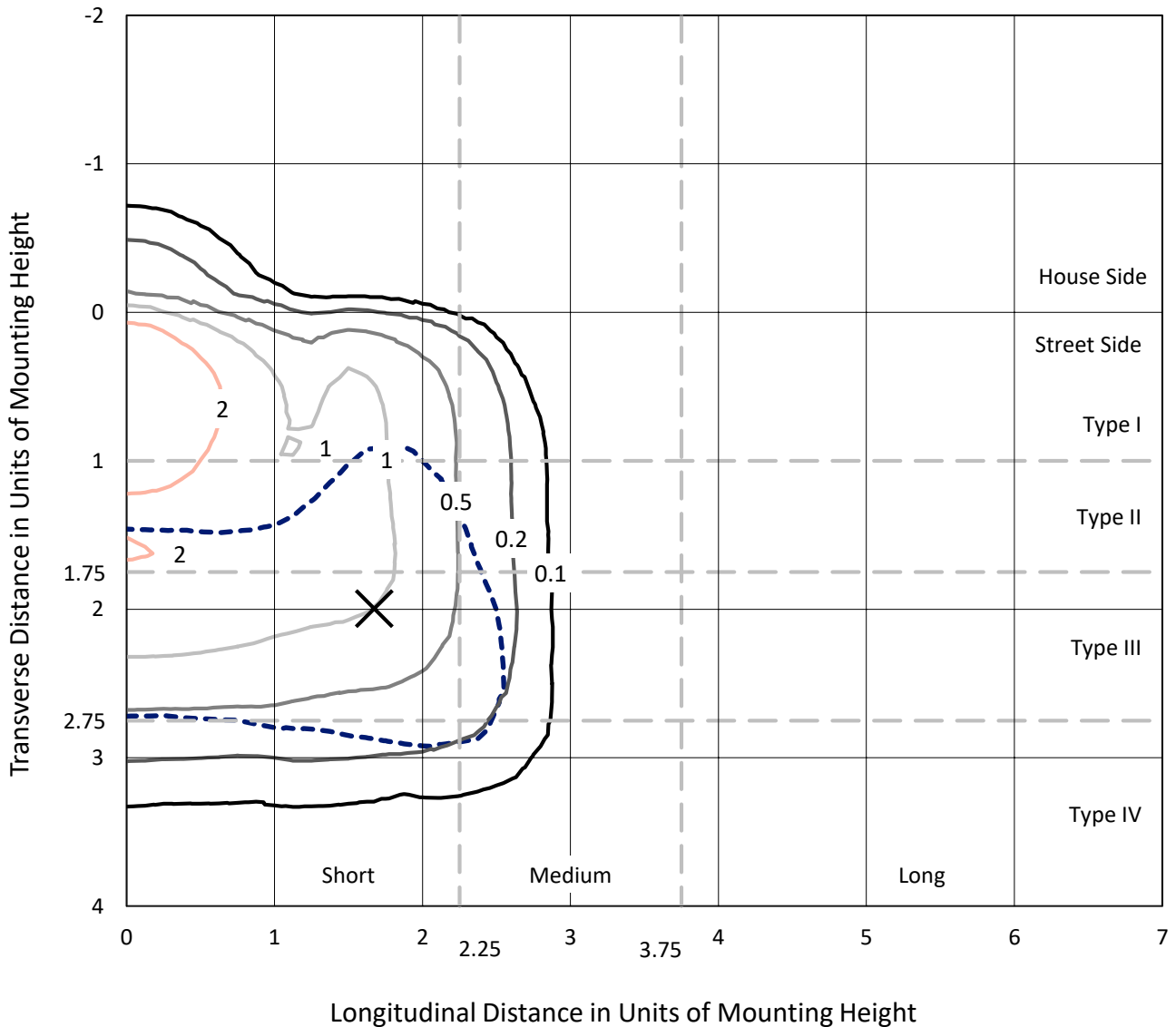


REPORT NUMBER: P151576

CATALOG NUMBER: VXS-F01-LED-E1-SL4-HSS-7050

### Iso-Footcandle Lines of Horizontal Illumination

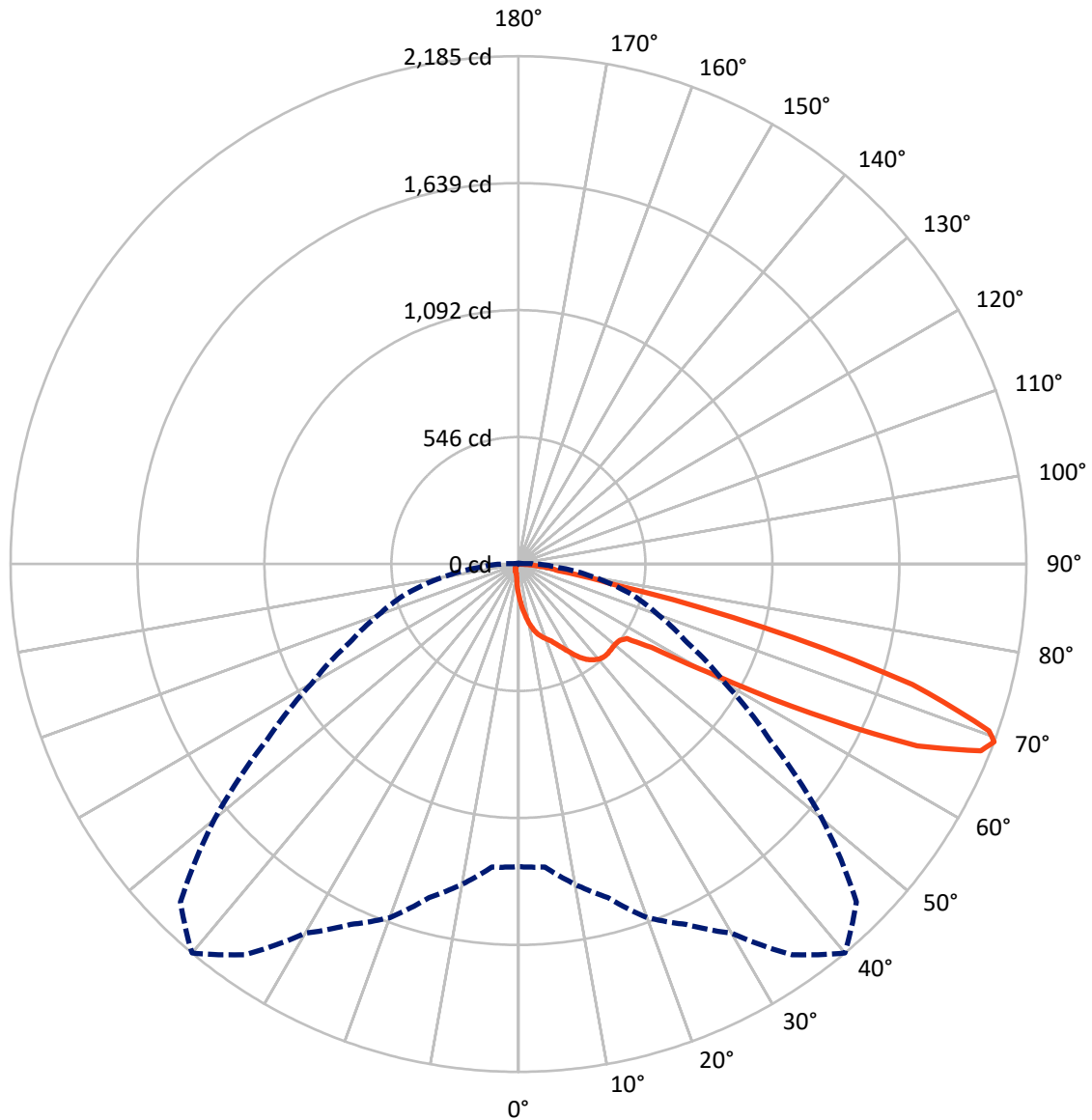
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc  
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P151576  
CATALOG NUMBER: VXS-F01-LED-E1-SL4-HSS-7050

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P151576

CATALOG NUMBER: VXS-F01-LED-E1-SL4-HSS-7050

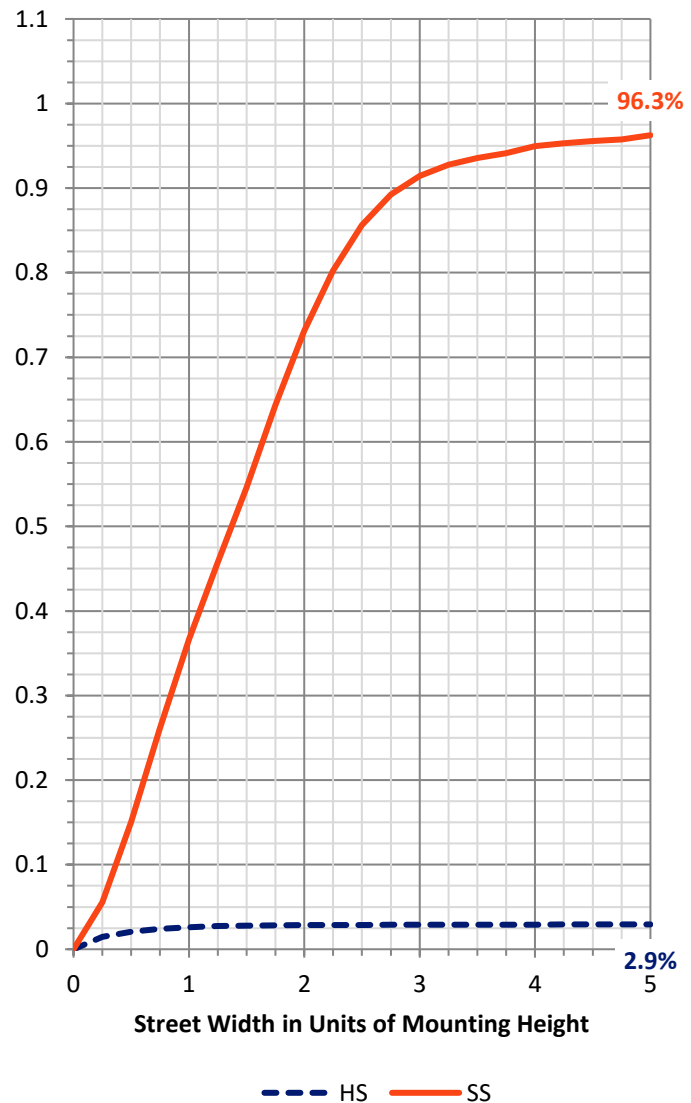
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	51.3	0.0	51.3
	% Fixture	3.0	0.0	3.0
<b>Street Side</b>	Lumens	1672.3	0.0	1672.3
	% Fixture	97.0	0.0	97.0
<b>Total</b>	Lumens	1723.7	0.0	1723.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.4	0.8
10°-20°	46.1	2.7
20°-30°	88.3	5.1
30°-40°	146.8	8.5
40°-50°	198.7	11.5
50°-60°	310.7	18.0
60°-70°	638.8	37.1
70°-80°	257.1	14.9
80°-90°	23.8	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1723.7	100.0
0°-180°	1723.7	100.0



REPORT NUMBER: P151576

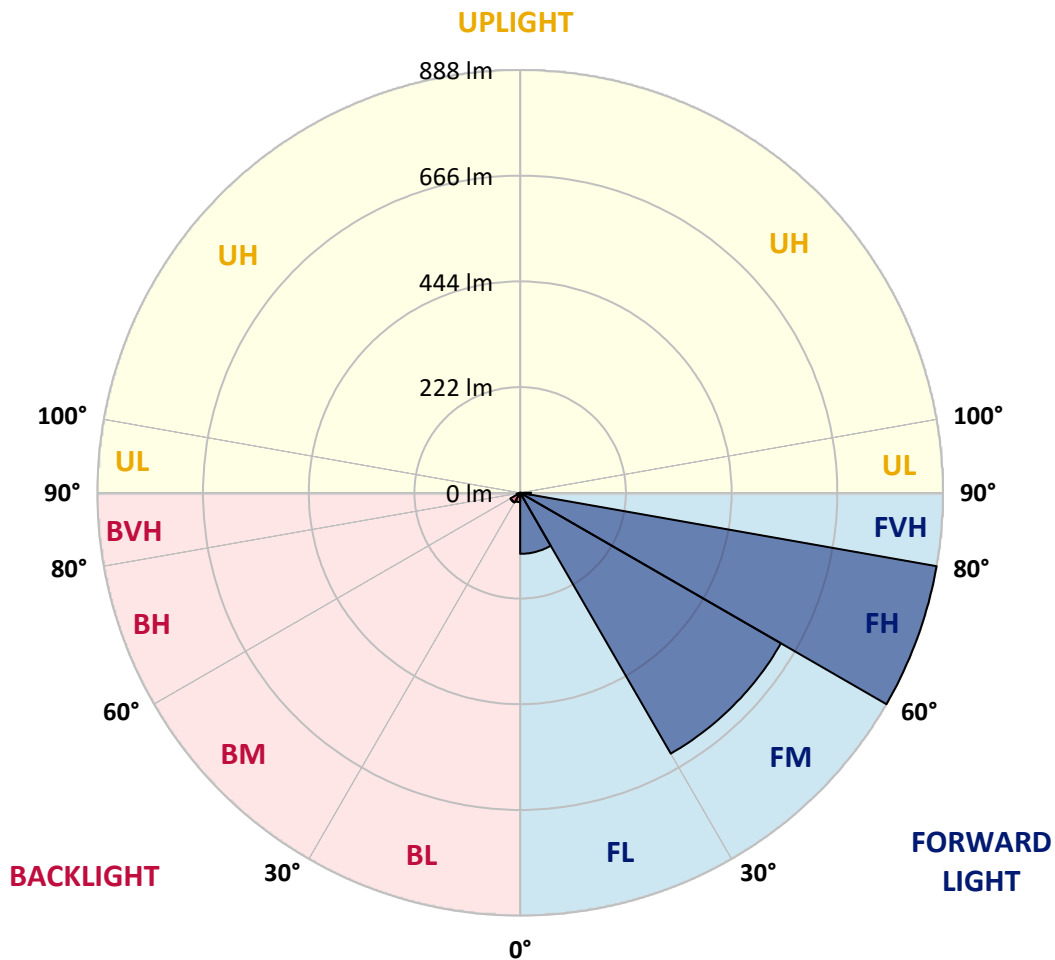
CATALOG NUMBER: VXS-F01-LED-E1-SL4-HSS-7050

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	128.3	7.4			
FM	(30°-60°)	632.8	36.7			
FH	(60°-80°)	888.4	51.5			G1/1800
FVH	(80°-90°)	22.9	1.3			G1/100
BL	(0°-30°)	19.5	1.1	B0/110		
BM	(30°-60°)	23.4	1.4	B0/220		
BH	(60°-80°)	7.5	0.4	B0/110		G0/110
BVH	(80°-90°)	0.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short





REPORT NUMBER: P151576

CATALOG NUMBER: VXS-F01-LED-E1-SL4-HSS-7050

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2
2.5°	173.7	171.7	169.4	169.4	166.6	166.6	164.9	160.4	159.8	157.3	154.7
5°	221.7	220.0	217.1	214.6	212.3	208.4	205.6	200.2	194.3	188.6	183.5
7.5°	268.5	267.7	262.6	261.8	258.0	251.6	245.9	238.0	227.9	220.0	210.7
10°	312.0	310.1	308.9	304.1	298.8	291.7	282.9	273.4	261.5	249.0	235.8
12.5°	346.4	345.3	340.2	338.2	332.6	325.6	314.5	302.1	290.3	274.2	258.7
15°	372.1	370.2	366.7	363.6	356.9	350.7	340.5	326.9	312.5	295.0	276.5
17.5°	393.6	389.9	389.1	384.2	377.2	369.8	358.5	346.2	329.2	311.7	291.4
20°	422.4	417.3	415.6	408.6	400.4	390.3	377.2	361.7	343.9	324.7	303.8
22.5°	456.3	452.6	448.9	442.7	432.3	417.9	399.0	382.1	359.5	338.2	315.6
25°	504.2	501.1	495.2	486.7	473.8	456.6	433.7	408.8	382.3	355.2	328.7
27.5°	550.9	548.1	543.8	537.3	522.7	503.7	475.4	443.8	410.3	377.5	348.2
30°	594.6	592.1	587.9	581.3	568.4	549.7	517.8	483.9	442.2	404.0	368.8
32.5°	641.8	640.9	636.2	626.8	615.5	590.4	555.6	519.3	476.9	432.8	391.6
35°	695.1	688.7	684.1	674.8	655.6	628.8	588.2	548.3	503.7	458.5	412.5
37.5°	740.3	734.1	728.5	716.6	693.2	659.1	613.0	569.2	523.2	477.2	430.4
40°	773.4	770.3	763.5	748.0	721.7	681.0	631.4	583.6	537.3	491.0	444.7
42.5°	797.9	793.2	785.5	769.4	738.3	692.0	638.7	589.5	543.8	499.5	454.0
45°	806.9	803.0	796.0	778.4	744.9	695.1	638.4	587.9	544.1	502.1	460.2
47.5°	801.7	797.6	791.5	775.0	742.1	691.5	633.4	583.1	541.2	502.9	465.9
50°	783.8	781.6	776.8	762.9	733.3	684.5	628.8	580.5	540.7	507.2	473.8
52.5°	782.2	780.7	774.8	760.9	730.8	682.2	628.3	582.0	545.5	512.4	479.5
55°	955.8	935.8	890.9	852.7	790.1	715.5	656.8	604.8	565.8	533.7	510.5
57.5°	1358.4	1328.5	1269.5	1196.9	1053.0	911.5	798.2	716.4	676.0	661.2	670.1
60°	1547.0	1541.7	1532.3	1497.9	1424.2	1302.5	1166.9	1020.4	961.8	956.6	974.4
62.5°	1636.6	1633.2	1636.0	1631.7	1608.9	1573.3	1534.3	1471.1	1413.0	1375.3	1295.8
65°	1677.8	1680.0	1696.2	1708.8	1711.6	1720.9	1749.5	1828.3	1885.9	1789.0	1568.0
67.5°	1573.1	1586.3	1623.3	1669.6	1723.8	1776.3	1861.0	2027.0	2145.4	2031.6	1717.6
69°	1302.3	1308.7	1399.1	1486.3	1618.8	1711.4	1834.2	2051.9	2184.9	2056.4	1705.7
70°	1025.3	1031.2	1128.0	1246.6	1470.6	1589.6	1750.4	2009.8	2147.9	2023.4	1644.8
72.5°	462.5	454.0	488.2	551.7	795.1	984.4	1265.3	1628.4	1772.1	1621.0	1230.6
75°	323.0	319.4	323.0	323.3	361.1	465.9	587.9	882.7	1091.6	942.0	587.9
77.5°	250.2	247.7	245.1	242.3	246.7	276.5	288.3	313.2	406.6	384.6	224.1
80°	197.9	195.6	201.9	199.9	199.9	203.3	201.0	191.7	174.2	161.6	144.6
82.5°	92.0	92.6	92.6	100.5	121.1	141.5	148.0	138.7	123.1	104.8	84.5
85°	8.7	9.8	16.7	25.7	51.1	57.6	57.9	48.0	48.0	37.8	30.5
87.5°	0.0	0.3	0.3	0.3	2.6	7.0	5.9	1.7	0.8	0.8	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P151576

CATALOG NUMBER: VXS-F01-LED-E1-SL4-HSS-7050

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2
2.5°	150.3	149.3	146.0	142.6	139.5	136.1	133.0	129.8	126.5	123.9	120.8
5°	175.6	169.4	162.4	155.5	148.8	141.8	134.4	127.9	121.1	114.9	109.0
7.5°	201.3	189.2	179.6	167.5	156.5	145.4	135.2	124.8	115.2	106.2	97.7
10°	223.1	208.4	193.4	177.9	162.1	147.4	133.3	120.8	108.2	97.1	86.7
12.5°	240.8	222.2	203.8	184.4	166.6	148.0	130.5	115.4	100.5	88.1	77.4
15°	257.0	235.4	213.5	190.9	168.3	147.2	127.7	109.0	93.8	79.6	67.5
17.5°	269.9	245.4	220.5	195.1	170.8	146.0	123.9	104.5	86.7	72.0	60.1
20°	281.2	255.5	228.7	200.2	172.5	145.7	120.8	98.9	80.5	65.0	53.4
22.5°	291.7	266.0	237.2	206.7	175.0	145.4	118.0	94.6	75.1	59.6	48.0
25°	303.5	276.5	246.2	213.5	179.6	146.5	116.4	91.2	70.3	54.5	43.7
27.5°	316.8	288.3	257.0	222.0	185.5	148.8	115.8	87.6	66.1	49.7	40.4
30°	335.4	302.4	267.7	230.4	190.9	151.3	115.2	85.3	61.9	46.0	37.0
32.5°	351.8	316.3	279.6	239.2	196.8	153.9	114.9	82.2	57.9	42.4	34.4
35°	369.0	328.9	289.7	247.7	201.9	156.7	114.6	79.9	54.2	38.7	31.9
37.5°	384.0	339.7	297.6	254.9	207.6	159.3	114.9	77.9	50.8	35.5	29.6
40°	396.7	350.7	306.3	261.8	213.5	163.2	115.2	76.0	47.5	32.7	27.7
42.5°	408.0	361.1	315.6	269.3	220.2	167.8	116.9	74.3	44.7	30.3	25.7
45°	416.8	370.8	325.8	280.1	231.3	175.0	120.0	73.2	41.8	28.0	24.0
47.5°	425.8	384.9	343.1	297.0	247.4	186.6	125.4	72.8	39.5	26.2	22.6
50°	438.2	399.0	358.3	314.3	262.1	198.5	131.8	73.2	36.7	24.6	21.1
52.5°	447.3	413.4	378.0	344.1	297.0	234.6	157.0	78.2	35.3	23.1	19.5
55°	500.6	494.7	495.5	501.1	464.8	399.3	262.6	113.0	41.6	26.2	19.2
57.5°	705.9	726.8	739.0	738.7	678.5	562.7	352.6	145.2	46.3	30.5	22.9
60°	975.9	960.0	937.7	882.7	802.7	642.4	394.4	156.2	40.1	24.2	20.9
62.5°	1214.4	1121.8	1039.7	950.5	845.7	670.1	402.9	155.3	35.0	18.3	14.7
65°	1363.2	1196.7	1063.9	952.1	828.7	646.8	381.1	142.6	29.6	14.9	12.1
67.5°	1398.8	1156.3	968.5	825.9	692.3	503.4	279.8	107.3	23.1	12.4	10.8
69°	1321.1	1027.8	802.5	640.6	503.7	334.0	173.1	67.8	17.8	11.3	9.8
70°	1215.2	894.0	653.7	514.2	373.0	234.6	121.1	47.7	14.4	10.5	9.0
72.5°	781.9	469.5	321.3	223.6	153.9	93.5	47.5	21.5	11.0	8.7	7.4
75°	303.2	173.7	125.9	95.8	74.8	51.9	28.8	13.9	9.3	7.4	5.6
77.5°	149.3	114.4	93.5	64.1	37.3	23.1	15.5	10.8	7.7	5.4	3.6
80°	118.0	78.4	46.8	29.1	22.1	16.7	11.8	8.7	5.6	3.4	2.6
82.5°	60.4	33.1	24.2	19.8	16.4	13.0	9.6	6.2	3.6	2.3	2.0
85°	19.0	13.9	12.4	12.1	11.3	9.3	6.7	3.9	2.3	1.5	1.5
87.5°	1.5	2.0	2.6	2.0	2.3	2.0	2.6	1.7	1.1	1.1	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P151576

CATALOG NUMBER: VXS-F01-LED-E1-SL4-HSS-7050

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2
2.5°	118.5	115.2	112.1	110.2	106.4	105.1	103.6	103.1	100.5	101.0	98.9
5°	103.6	97.7	93.2	88.7	84.5	81.3	78.8	75.6	73.2	72.0	69.7
7.5°	90.1	82.5	76.5	71.7	66.6	62.7	59.3	57.0	54.8	52.5	51.4
10°	78.2	70.1	63.2	58.4	53.7	50.3	47.7	46.0	44.7	43.7	43.5
12.5°	67.2	59.3	53.1	48.8	45.2	43.5	42.4	41.6	41.2	40.9	40.9
15°	58.8	50.8	46.0	42.9	41.2	40.4	40.1	39.5	39.0	38.7	38.7
17.5°	50.8	44.9	41.6	39.8	39.0	38.4	37.8	37.3	36.7	36.4	36.4
20°	45.5	40.6	39.0	37.8	37.0	36.4	35.5	35.0	34.7	34.4	34.2
22.5°	41.2	38.1	37.0	36.2	35.0	34.2	33.6	33.1	32.4	32.2	31.9
25°	38.1	36.2	35.3	34.2	33.1	32.2	31.3	30.5	29.9	29.6	29.1
27.5°	35.9	34.4	33.4	31.9	30.8	29.9	29.1	28.2	27.7	27.2	26.8
30°	33.9	32.4	31.1	29.9	28.5	27.7	26.5	25.7	25.4	24.9	24.2
32.5°	31.9	30.5	29.1	27.7	26.2	25.2	24.6	23.4	22.9	22.6	22.1
35°	29.6	28.2	26.5	25.4	24.0	22.9	22.1	21.1	20.6	20.0	19.8
37.5°	27.7	26.0	24.2	22.9	21.8	20.6	19.8	19.0	18.3	17.8	17.5
40°	25.4	23.7	22.1	20.6	19.5	18.7	17.8	16.9	16.4	16.1	16.1
42.5°	23.4	21.5	19.8	18.7	17.8	16.7	15.9	14.9	14.7	14.4	14.7
45°	21.5	19.5	18.0	16.9	16.1	14.9	14.1	13.6	13.3	13.6	13.9
47.5°	19.8	17.8	16.4	15.5	14.7	13.9	13.0	12.4	12.4	13.0	13.6
50°	18.0	16.1	14.9	14.4	13.6	12.7	11.6	11.3	11.6	12.1	12.7
52.5°	16.4	14.1	13.3	13.0	12.1	11.3	10.5	10.2	10.5	11.0	10.8
55°	14.7	12.4	12.1	11.8	11.0	9.8	9.0	9.0	9.0	8.7	8.2
57.5°	14.1	11.0	10.8	10.5	9.6	8.5	7.9	7.4	7.0	6.2	5.9
60°	14.7	9.8	9.8	9.3	8.5	7.4	6.5	5.6	5.1	4.6	4.6
62.5°	11.8	9.0	8.7	8.2	7.0	5.9	5.1	4.2	3.9	3.6	3.6
65°	9.6	8.2	7.7	6.7	5.9	4.8	3.9	3.4	3.1	3.1	3.4
67.5°	8.7	7.4	6.5	5.6	4.8	3.6	3.1	2.8	2.8	3.1	3.1
69°	8.2	6.7	5.9	5.1	4.2	3.4	2.8	2.8	2.8	2.8	3.1
70°	7.7	6.5	5.6	4.8	3.6	2.8	2.6	2.6	2.8	2.8	3.1
72.5°	5.9	5.1	4.8	3.9	2.8	2.6	2.3	2.6	2.6	2.8	2.8
75°	4.6	3.6	3.6	3.1	2.3	2.0	2.0	2.3	2.3	2.6	2.6
77.5°	3.1	2.6	2.6	2.3	2.0	1.7	1.7	2.0	2.3	2.3	2.6
80°	2.3	2.0	1.7	2.0	1.7	1.5	1.7	2.0	2.0	2.3	2.3
82.5°	1.7	1.7	1.7	1.7	1.5	1.5	1.7	1.7	2.0	2.3	2.3
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.7	2.0	2.0
87.5°	0.8	0.8	0.8	1.1	1.1	1.5	1.5	1.5	1.5	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P151576

CATALOG NUMBER: VXS-F01-LED-E1-SL4-HSS-7050

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	130.2	130.2	130.2	130.2
2.5°	98.2	97.9	96.9	97.1
5°	68.9	67.2	68.3	68.1
7.5°	50.6	50.3	49.9	50.6
10°	43.2	43.2	42.9	43.2
12.5°	40.6	40.6	40.6	40.6
15°	38.7	38.7	38.4	38.4
17.5°	36.4	36.4	36.4	36.2
20°	34.2	33.9	33.9	33.9
22.5°	31.6	31.3	31.3	31.3
25°	29.1	28.8	28.8	28.8
27.5°	26.5	26.2	26.0	26.0
30°	24.0	23.7	23.4	23.4
32.5°	21.5	21.1	20.9	20.9
35°	19.2	19.2	19.0	18.7
37.5°	17.2	17.2	17.2	17.2
40°	15.9	16.1	16.1	16.1
42.5°	14.9	15.2	15.5	15.9
45°	14.4	14.9	15.2	15.2
47.5°	14.1	14.4	14.7	14.7
50°	13.0	12.7	12.7	12.7
52.5°	10.5	9.8	9.6	9.3
55°	7.7	7.4	6.7	6.7
57.5°	5.4	5.4	5.1	5.1
60°	4.2	4.2	3.9	4.2
62.5°	3.6	3.6	3.6	3.6
65°	3.4	3.4	3.4	3.4
67.5°	3.4	3.4	3.4	3.4
69°	3.1	3.1	3.1	3.1
70°	3.1	3.1	3.1	3.1
72.5°	2.8	2.8	2.8	2.8
75°	2.6	2.8	2.8	2.8
77.5°	2.6	2.6	2.6	2.6
80°	2.3	2.3	2.6	2.6
82.5°	2.3	2.3	2.3	2.3
85°	2.0	2.0	2.3	2.3
87.5°	1.7	1.7	2.0	2.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)