

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: P151621

Luminaire Tested: **VXS-E06-LED-E1-SL4-HSS-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151621
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-E06-LED-E1-SL4-HSS-7050
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (126) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12527.6 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 150.5
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

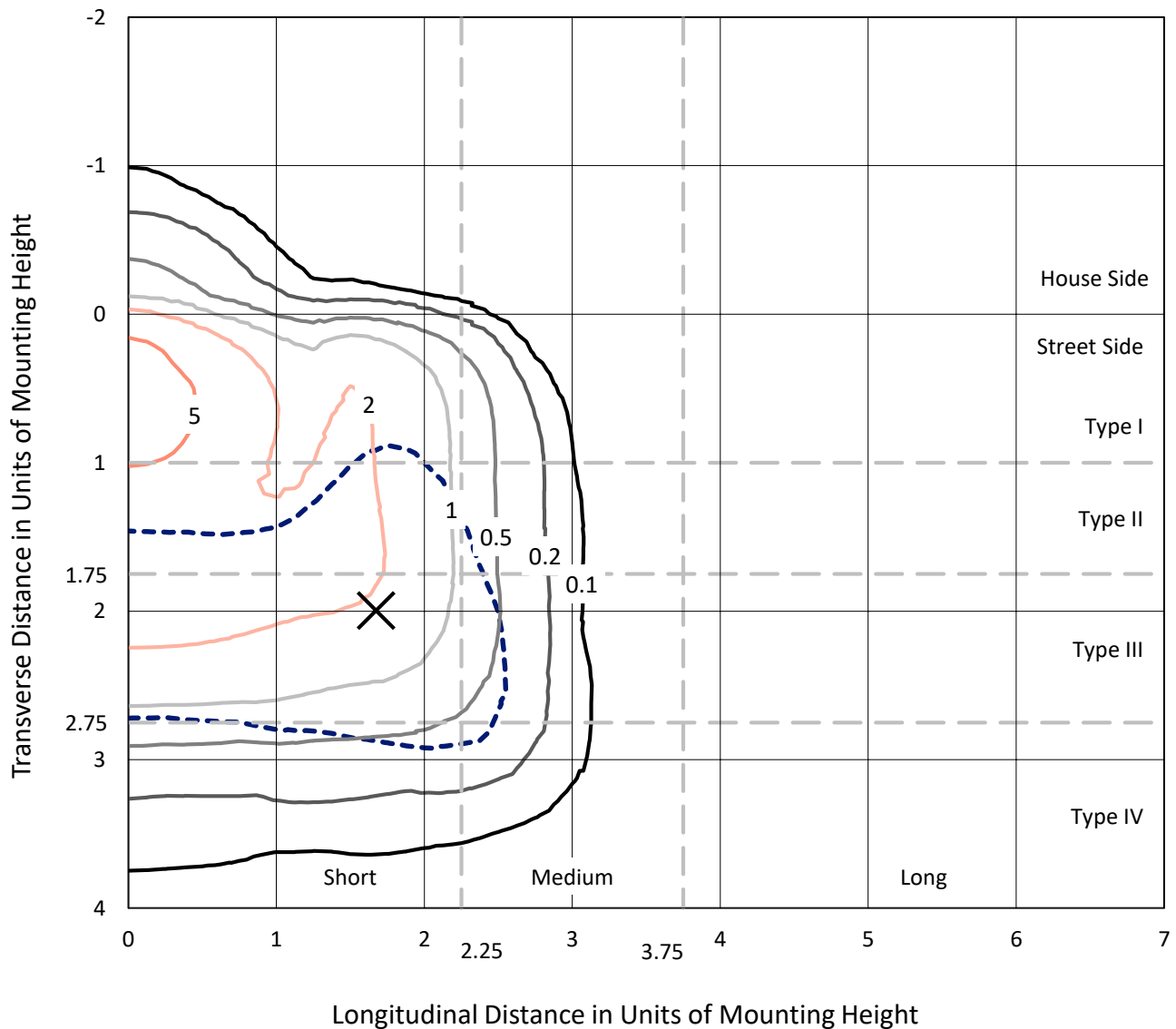


REPORT NUMBER: P151621

CATALOG NUMBER: VXS-E06-LED-E1-SL4-HSS-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

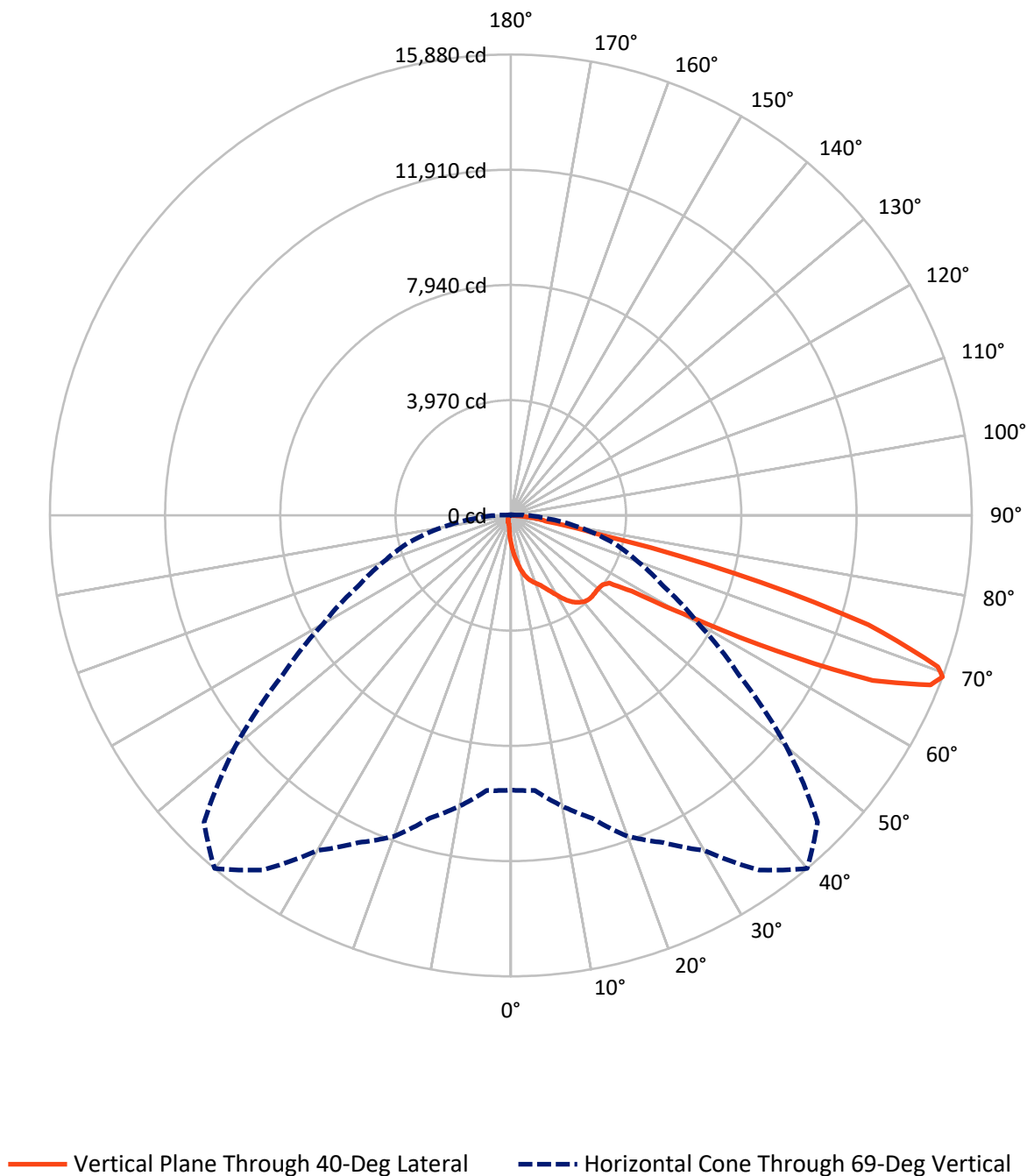


Based on 20 foot mounting height. Maximum calculated value = 7 fc
Type IV - Short - Semi-Cutoff

REPORT NUMBER: P151621

CATALOG NUMBER: VXS-E06-LED-E1-SL4-HSS-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P151621

CATALOG NUMBER: VXS-E06-LED-E1-SL4-HSS-7050

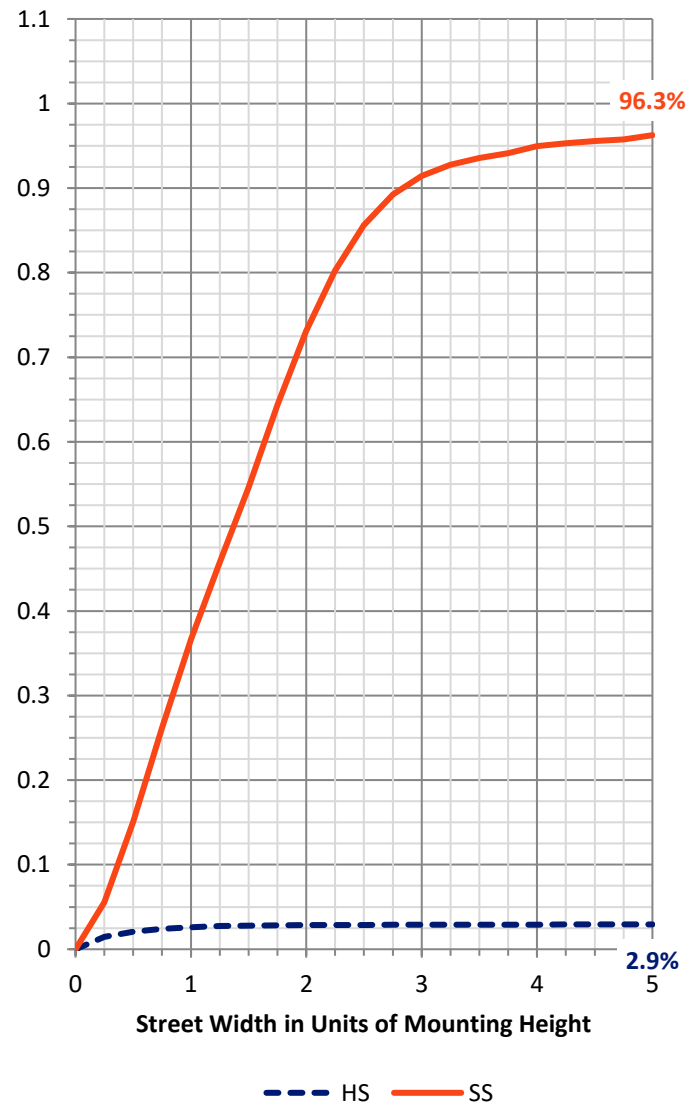
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	373.1	0.0	373.1
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	12154.5	0.0	12154.5
	% Fixture	97.0	0.0	97.0
Total	Lumens	12527.6	0.0	12527.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	0.8
10°-20°	335.3	2.7
20°-30°	641.7	5.1
30°-40°	1067.1	8.5
40°-50°	1444.0	11.5
50°-60°	2258.3	18.0
60°-70°	4642.9	37.1
70°-80°	1868.2	14.9
80°-90°	172.8	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°	12527.6	100.0
0°-180°	12527.6	100.0

Coefficient of Utilization



REPORT NUMBER: P151621

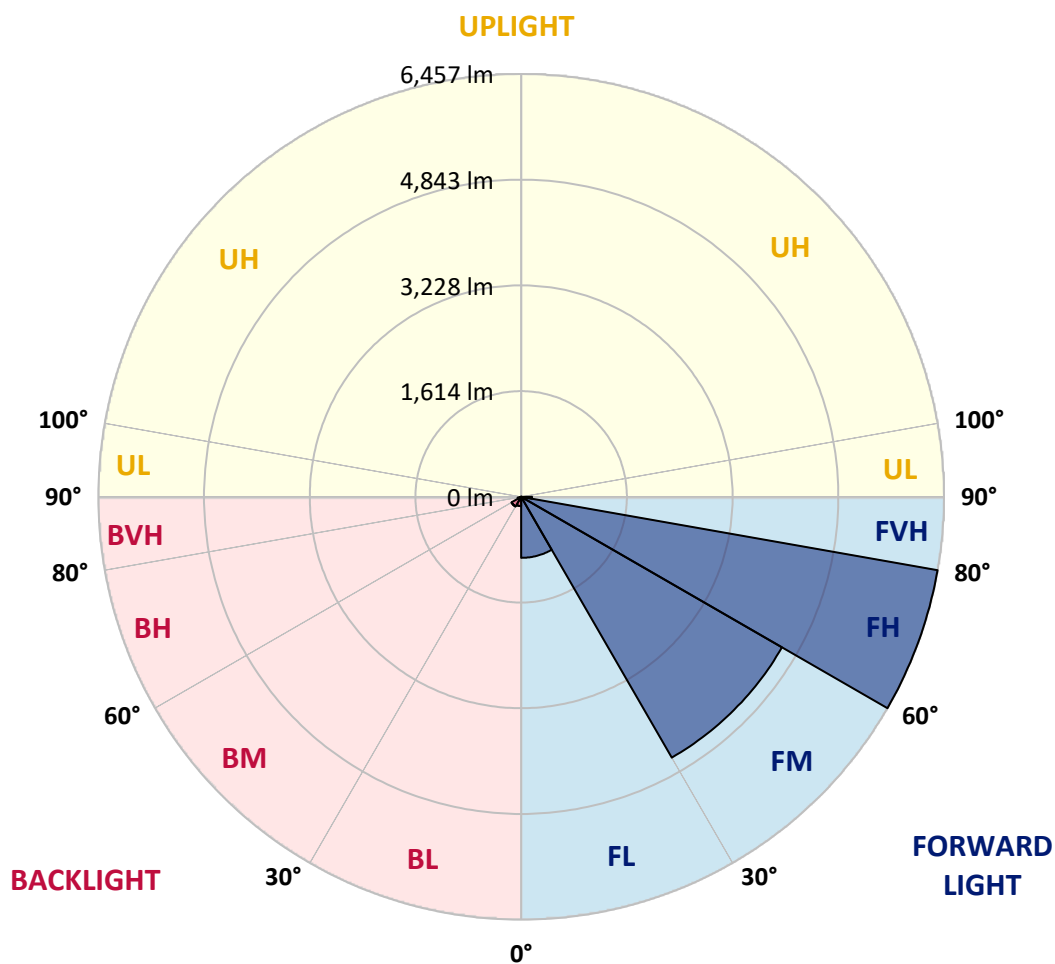
CATALOG NUMBER: VXS-E06-LED-E1-SL4-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	932.3	7.4			
FM	(30°-60°)	4599.1	36.7			
FH	(60°-80°)	6456.8	51.5			G3/7500
FVH	(80°-90°)	166.4	1.3			G2/225
BL	(0°-30°)	141.9	1.1	B1/500		
BM	(30°-60°)	170.3	1.4	B0/220		
BH	(60°-80°)	54.4	0.4	B0/110		G0/110
BVH	(80°-90°)	6.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



REPORT NUMBER: P151621

CATALOG NUMBER: VXS-E06-LED-E1-SL4-HSS-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	946.1	946.1	946.1	946.1	946.1	946.1	946.1	946.1	946.1	946.1	946.1
2.5°	1262.1	1247.8	1231.3	1231.3	1210.8	1210.8	1198.4	1165.7	1161.6	1143.1	1124.7
5°	1611.0	1598.7	1578.1	1559.7	1543.2	1514.5	1494.0	1455.0	1411.9	1370.9	1333.9
7.5°	1951.6	1945.5	1908.6	1902.4	1875.8	1828.5	1787.5	1730.1	1656.2	1598.7	1531.0
10°	2267.7	2253.4	2245.1	2210.3	2171.2	2119.9	2056.3	1986.5	1900.3	1810.1	1713.6
12.5°	2518.0	2509.8	2473.0	2458.5	2417.5	2366.2	2286.1	2195.9	2109.6	1992.7	1879.8
15°	2704.8	2690.5	2665.8	2643.2	2594.0	2548.8	2474.9	2376.5	2271.8	2144.6	2009.1
17.5°	2860.8	2834.1	2828.0	2793.1	2741.8	2688.4	2606.3	2516.1	2392.8	2265.6	2117.9
20°	3070.2	3033.2	3020.8	2969.5	2910.1	2836.2	2741.8	2628.9	2499.6	2360.0	2208.2
22.5°	3316.4	3289.7	3263.0	3217.8	3142.0	3037.3	2899.8	2776.7	2612.4	2458.5	2294.4
25°	3665.3	3642.7	3599.6	3538.0	3443.6	3318.4	3152.2	2971.6	2778.7	2581.7	2388.8
27.5°	4003.8	3983.3	3952.5	3905.4	3798.7	3661.1	3456.0	3226.1	2981.9	2743.8	2530.4
30°	4322.0	4303.5	4272.7	4225.5	4131.1	3995.6	3763.7	3517.5	3213.8	2936.7	2680.2
32.5°	4664.7	4658.5	4623.6	4556.0	4473.8	4291.2	4038.8	3774.0	3466.2	3146.0	2846.4
35°	5052.5	5005.4	4972.5	4904.8	4765.3	4570.3	4274.7	3985.4	3661.1	3332.7	2998.2
37.5°	5380.9	5335.8	5294.7	5208.5	5038.1	4789.8	4455.3	4137.3	3802.8	3468.2	3127.6
40°	5621.0	5598.4	5549.2	5436.3	5245.5	4949.9	4588.7	4242.0	3905.4	3568.8	3232.2
42.5°	5799.6	5764.7	5709.2	5592.2	5366.5	5029.9	4642.1	4285.0	3952.5	3630.4	3300.0
45°	5865.2	5836.5	5785.2	5657.9	5413.8	5052.5	4640.0	4272.7	3954.6	3648.8	3345.1
47.5°	5826.2	5797.5	5752.3	5633.4	5393.2	5025.9	4603.1	4237.8	3934.1	3655.0	3386.1
50°	5696.9	5680.5	5645.6	5545.1	5329.6	4974.5	4570.3	4219.4	3929.9	3685.8	3443.6
52.5°	5684.7	5674.4	5631.3	5530.7	5311.1	4958.1	4566.2	4229.6	3964.9	3724.8	3484.7
55°	6946.7	6801.0	6474.7	6197.7	5742.1	5200.3	4773.5	4395.9	4112.6	3878.7	3710.4
57.5°	9873.2	9655.6	9226.7	8699.3	7652.7	6624.6	5801.6	5206.4	4913.0	4806.3	4869.9
60°	11244.0	11205.1	11137.3	10886.9	10351.4	9466.8	8481.8	7416.7	6989.8	6952.8	7082.2
62.5°	11894.6	11869.9	11890.5	11859.7	11693.5	11434.9	11151.7	10692.0	10269.2	9996.3	9417.6
65°	12194.2	12210.7	12327.7	12420.0	12440.5	12508.2	12715.5	13288.1	13706.7	13002.8	11396.0
67.5°	11432.8	11529.3	11798.1	12134.7	12528.7	12910.5	13526.1	14732.8	15592.7	14765.7	12483.6
69°	9464.8	9512.0	10168.7	10802.8	11765.3	12438.4	13331.2	14913.4	15880.0	14946.2	12397.4
70°	7451.6	7494.7	8198.5	9060.5	10687.9	11554.0	12721.7	14607.7	15611.2	14706.1	11954.1
72.5°	3361.6	3300.0	3548.3	4010.1	5779.1	7154.0	9196.0	11835.1	12879.7	11781.8	8943.5
75°	2347.8	2321.0	2347.8	2349.7	2624.8	3386.1	4272.7	6415.2	7933.9	6846.2	4272.7
77.5°	1818.2	1799.8	1781.3	1760.8	1793.7	2009.1	2095.3	2275.9	2955.2	2795.1	1629.4
80°	1438.5	1422.2	1467.4	1453.0	1453.0	1477.6	1461.1	1393.5	1266.2	1173.9	1050.8
82.5°	669.0	673.2	673.2	730.6	880.4	1028.2	1075.3	1007.7	894.7	761.3	613.6
85°	63.6	71.8	121.0	186.7	371.4	418.7	420.7	348.9	348.9	275.0	221.7
87.5°	0.0	2.1	2.1	2.1	18.4	51.3	43.1	12.3	6.1	6.1	10.3
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: P151621

CATALOG NUMBER: VXS-E06-LED-E1-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	946.1	946.1	946.1	946.1	946.1	946.1	946.1	946.1	946.1	946.1	946.1
2.5°	1091.8	1085.6	1061.0	1036.4	1013.8	989.1	966.6	944.0	919.4	900.9	878.3
5°	1276.5	1231.3	1180.0	1130.8	1081.6	1030.3	976.9	929.6	880.4	835.2	792.1
7.5°	1463.2	1375.0	1305.2	1217.0	1136.9	1056.9	983.0	907.0	837.3	771.6	710.1
10°	1621.2	1514.5	1405.8	1292.8	1177.9	1071.3	968.6	878.3	786.0	706.0	630.1
12.5°	1750.6	1615.1	1481.7	1340.1	1210.8	1075.3	948.1	839.4	730.6	640.3	562.3
15°	1867.5	1711.5	1551.5	1387.3	1223.1	1069.2	927.6	792.1	681.3	578.8	490.5
17.5°	1961.9	1783.4	1602.8	1418.0	1241.6	1061.0	900.9	759.3	630.1	523.3	437.1
20°	2044.0	1857.2	1662.3	1455.0	1253.9	1059.0	878.3	718.2	584.9	472.0	387.9
22.5°	2119.9	1933.2	1723.8	1502.2	1272.3	1056.9	857.8	687.5	545.9	433.1	348.9
25°	2206.1	2009.1	1789.5	1551.5	1305.2	1065.1	845.5	662.9	511.0	396.1	318.1
27.5°	2302.6	2095.3	1867.5	1613.1	1348.3	1081.6	841.5	636.2	480.2	361.1	293.5
30°	2438.0	2197.9	1945.5	1674.6	1387.3	1100.0	837.3	619.8	449.4	334.5	268.8
32.5°	2557.1	2298.4	2031.7	1738.2	1430.4	1118.4	835.2	597.2	420.7	307.9	250.4
35°	2682.3	2390.8	2105.6	1799.8	1467.4	1139.0	833.2	580.7	394.0	281.1	231.9
37.5°	2791.0	2468.8	2163.0	1853.2	1508.4	1157.4	835.2	566.4	369.4	258.5	215.4
40°	2883.3	2548.8	2226.6	1902.4	1551.5	1186.2	837.3	552.0	344.8	238.0	201.1
42.5°	2965.5	2624.8	2294.4	1957.8	1600.7	1219.0	849.6	539.7	324.2	219.6	186.7
45°	3029.0	2694.5	2368.3	2035.8	1680.7	1272.3	872.2	531.5	303.7	203.2	174.4
47.5°	3094.7	2797.2	2493.5	2159.0	1797.7	1356.5	911.2	529.4	287.4	190.9	164.1
50°	3185.1	2899.8	2604.2	2284.1	1904.5	1442.7	958.3	531.5	266.7	178.5	153.9
52.5°	3250.7	3004.5	2747.9	2501.7	2159.0	1705.4	1141.0	568.5	256.5	168.3	141.6
55°	3638.5	3595.4	3601.7	3642.7	3377.9	2901.9	1908.6	820.9	301.7	190.9	139.6
57.5°	5130.6	5282.4	5370.7	5368.6	4931.5	4090.1	2563.2	1054.8	336.6	221.7	166.2
60°	7092.4	6977.5	6815.4	6415.2	5834.4	4668.8	2866.9	1134.9	291.4	176.5	151.8
62.5°	8826.5	8153.5	7556.3	6907.8	6146.3	4869.9	2928.5	1128.7	254.5	133.4	106.7
65°	9908.1	8697.3	7732.7	6920.1	6023.2	4701.7	2770.5	1036.4	215.4	108.8	88.3
67.5°	10166.6	8403.8	7039.1	6002.7	5032.0	3659.1	2033.8	779.8	168.3	90.3	78.0
69°	9602.3	7470.1	5832.3	4656.5	3661.1	2427.8	1258.0	492.5	129.3	82.1	71.8
70°	8832.7	6497.3	4750.9	3737.1	2711.0	1705.4	880.4	346.8	104.7	76.0	65.7
72.5°	5682.6	3412.8	2335.4	1625.4	1118.4	679.3	344.8	156.0	80.0	63.6	53.4
75°	2204.0	1262.1	915.3	695.8	543.8	377.6	209.3	100.5	67.8	53.4	41.0
77.5°	1085.6	831.2	679.3	465.8	270.9	168.3	112.8	78.0	55.4	39.0	26.6
80°	857.8	570.5	340.6	211.4	160.1	121.0	86.2	63.6	41.0	24.7	18.4
82.5°	439.2	240.1	176.5	143.6	119.1	94.4	69.7	45.2	26.6	16.4	14.4
85°	137.5	100.5	90.3	88.3	82.1	67.8	49.2	28.7	16.4	10.3	10.3
87.5°	10.3	14.4	18.4	14.4	16.4	14.4	18.4	12.3	8.2	8.2	6.1
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: P151621

CATALOG NUMBER: VXS-E06-LED-E1-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	946.1	946.1	946.1	946.1	946.1	946.1	946.1	946.1	946.1	946.1	946.1
2.5°	862.0	837.3	814.7	800.3	773.7	763.4	753.2	749.0	730.6	734.7	718.2
5°	753.2	710.1	677.2	644.4	613.6	591.1	572.5	549.9	531.5	523.3	506.9
7.5°	654.6	599.3	556.2	521.2	484.4	455.5	431.0	414.5	398.1	381.8	373.5
10°	568.5	508.9	459.7	424.8	389.9	365.3	346.8	334.5	324.2	318.1	316.1
12.5°	488.4	431.0	385.8	355.0	328.4	316.1	307.9	301.7	299.6	297.6	297.6
15°	426.8	369.4	334.5	311.9	299.6	293.5	291.4	287.4	283.2	281.1	281.1
17.5°	369.4	326.3	301.7	289.3	283.2	279.1	275.0	270.9	266.7	264.8	264.8
20°	330.4	295.5	283.2	275.0	268.8	264.8	258.5	254.5	252.4	250.4	248.3
22.5°	299.6	277.1	268.8	262.7	254.5	248.3	244.2	240.1	236.0	234.0	231.9
25°	277.1	262.7	256.5	248.3	240.1	234.0	227.8	221.7	217.5	215.4	211.4
27.5°	260.6	250.4	242.2	231.9	223.7	217.5	211.4	205.2	201.1	197.0	194.9
30°	246.2	236.0	225.7	217.5	207.3	201.1	193.0	186.7	184.7	180.6	176.5
32.5°	231.9	221.7	211.4	201.1	190.9	182.7	178.5	170.4	166.2	164.1	160.1
35°	215.4	205.2	193.0	184.7	174.4	166.2	160.1	153.9	149.8	145.7	143.6
37.5°	201.1	188.8	176.5	166.2	158.0	149.8	143.6	137.5	133.4	129.3	127.3
40°	184.7	172.4	160.1	149.8	141.6	135.4	129.3	123.1	119.1	117.0	117.0
42.5°	170.4	156.0	143.6	135.4	129.3	121.0	114.9	108.8	106.7	104.7	106.7
45°	156.0	141.6	131.3	123.1	117.0	108.8	102.6	98.5	96.5	98.5	100.5
47.5°	143.6	129.3	119.1	112.8	106.7	100.5	94.4	90.3	90.3	94.4	98.5
50°	131.3	117.0	108.8	104.7	98.5	92.3	84.1	82.1	84.1	88.3	92.3
52.5°	119.1	102.6	96.5	94.4	88.3	82.1	76.0	73.9	76.0	80.0	78.0
55°	106.7	90.3	88.3	86.2	80.0	71.8	65.7	65.7	65.7	63.6	59.5
57.5°	102.6	80.0	78.0	76.0	69.7	61.6	57.5	53.4	51.3	45.2	43.1
60°	106.7	71.8	71.8	67.8	61.6	53.4	47.2	41.0	36.9	32.8	32.8
62.5°	86.2	65.7	63.6	59.5	51.3	43.1	36.9	30.8	28.7	26.6	26.6
65°	69.7	59.5	55.4	49.2	43.1	34.9	28.7	24.7	22.6	22.6	24.7
67.5°	63.6	53.4	47.2	41.0	34.9	26.6	22.6	20.5	20.5	22.6	22.6
69°	59.5	49.2	43.1	36.9	30.8	24.7	20.5	20.5	20.5	20.5	22.6
70°	55.4	47.2	41.0	34.9	26.6	20.5	18.4	18.4	20.5	20.5	22.6
72.5°	43.1	36.9	34.9	28.7	20.5	18.4	16.4	18.4	18.4	20.5	20.5
75°	32.8	26.6	26.6	22.6	16.4	14.4	14.4	16.4	16.4	18.4	18.4
77.5°	22.6	18.4	18.4	16.4	14.4	12.3	12.3	14.4	16.4	16.4	18.4
80°	16.4	14.4	12.3	14.4	12.3	10.3	12.3	14.4	14.4	16.4	16.4
82.5°	12.3	12.3	12.3	12.3	10.3	10.3	12.3	12.3	14.4	16.4	16.4
85°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	12.3	12.3	14.4	14.4
87.5°	6.1	6.1	6.1	8.2	8.2	10.3	10.3	10.3	10.3	12.3	12.3
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: P151621

CATALOG NUMBER: VXS-E06-LED-E1-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	946.1	946.1	946.1	946.1
2.5°	714.2	712.1	703.9	706.0
5°	500.7	488.4	496.7	494.6
7.5°	367.4	365.3	363.2	367.4
10°	314.0	314.0	311.9	314.0
12.5°	295.5	295.5	295.5	295.5
15°	281.1	281.1	279.1	279.1
17.5°	264.8	264.8	264.8	262.7
20°	248.3	246.2	246.2	246.2
22.5°	229.8	227.8	227.8	227.8
25°	211.4	209.3	209.3	209.3
27.5°	193.0	190.9	188.8	188.8
30°	174.4	172.4	170.4	170.4
32.5°	156.0	153.9	151.8	151.8
35°	139.6	139.6	137.5	135.4
37.5°	125.2	125.2	125.2	125.2
40°	114.9	117.0	117.0	117.0
42.5°	108.8	110.8	112.8	114.9
45°	104.7	108.8	110.8	110.8
47.5°	102.6	104.7	106.7	106.7
50°	94.4	92.3	92.3	92.3
52.5°	76.0	71.8	69.7	67.8
55°	55.4	53.4	49.2	49.2
57.5°	39.0	39.0	36.9	36.9
60°	30.8	30.8	28.7	30.8
62.5°	26.6	26.6	26.6	26.6
65°	24.7	24.7	24.7	24.7
67.5°	24.7	24.7	24.7	24.7
69°	22.6	22.6	22.6	22.6
70°	22.6	22.6	22.6	22.6
72.5°	20.5	20.5	20.5	20.5
75°	18.4	20.5	20.5	20.5
77.5°	18.4	18.4	18.4	18.4
80°	16.4	16.4	18.4	18.4
82.5°	16.4	16.4	16.4	16.4
85°	14.4	14.4	16.4	16.4
87.5°	12.3	12.3	14.4	14.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)