

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: P155465

Luminaire Tested: **VXS-F06-LED-E1-T3**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P155465
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F06-LED-E1-T3
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15275.1 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 156.5
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

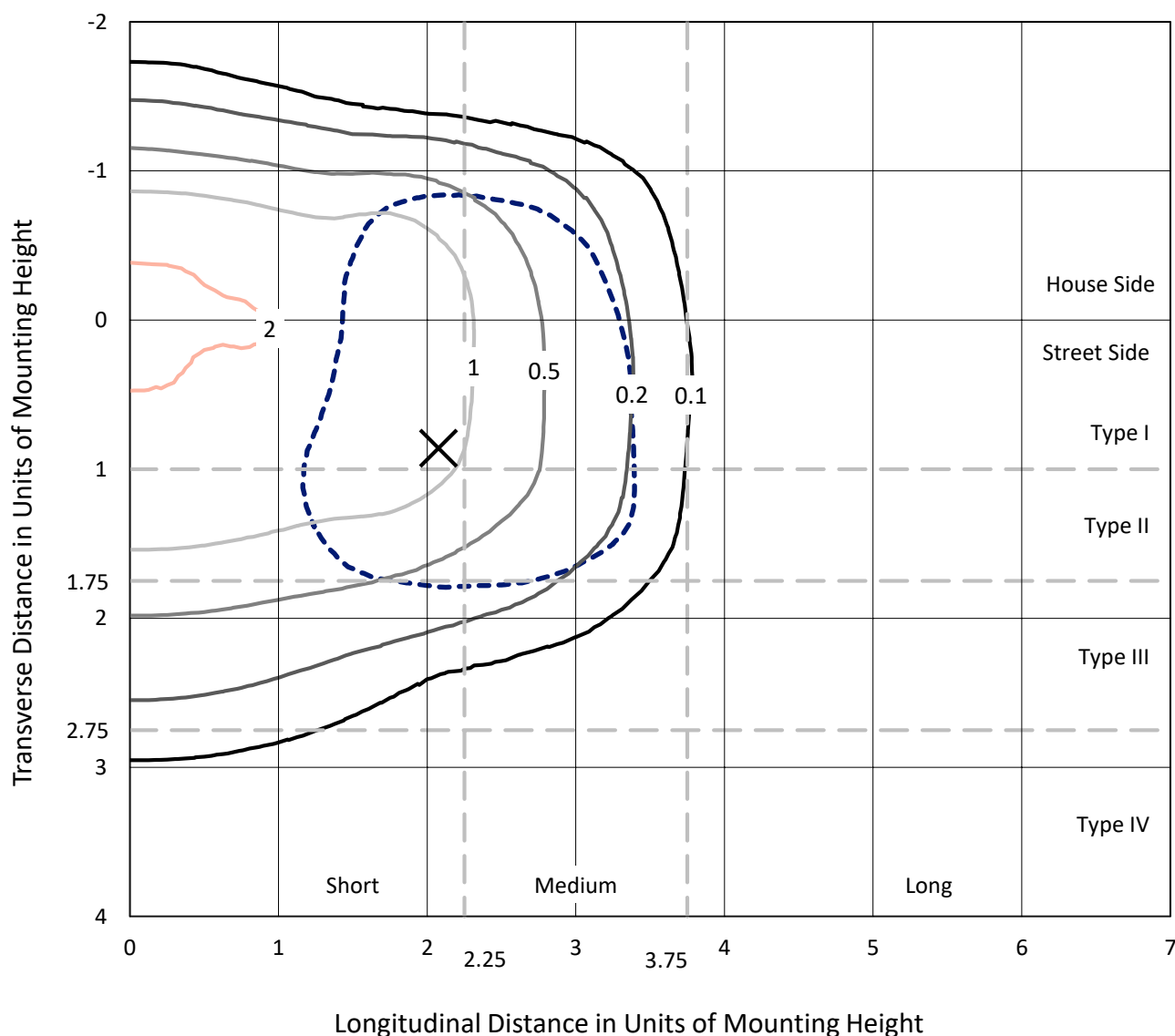


REPORT NUMBER: P155465

CATALOG NUMBER: VXS-F06-LED-E1-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

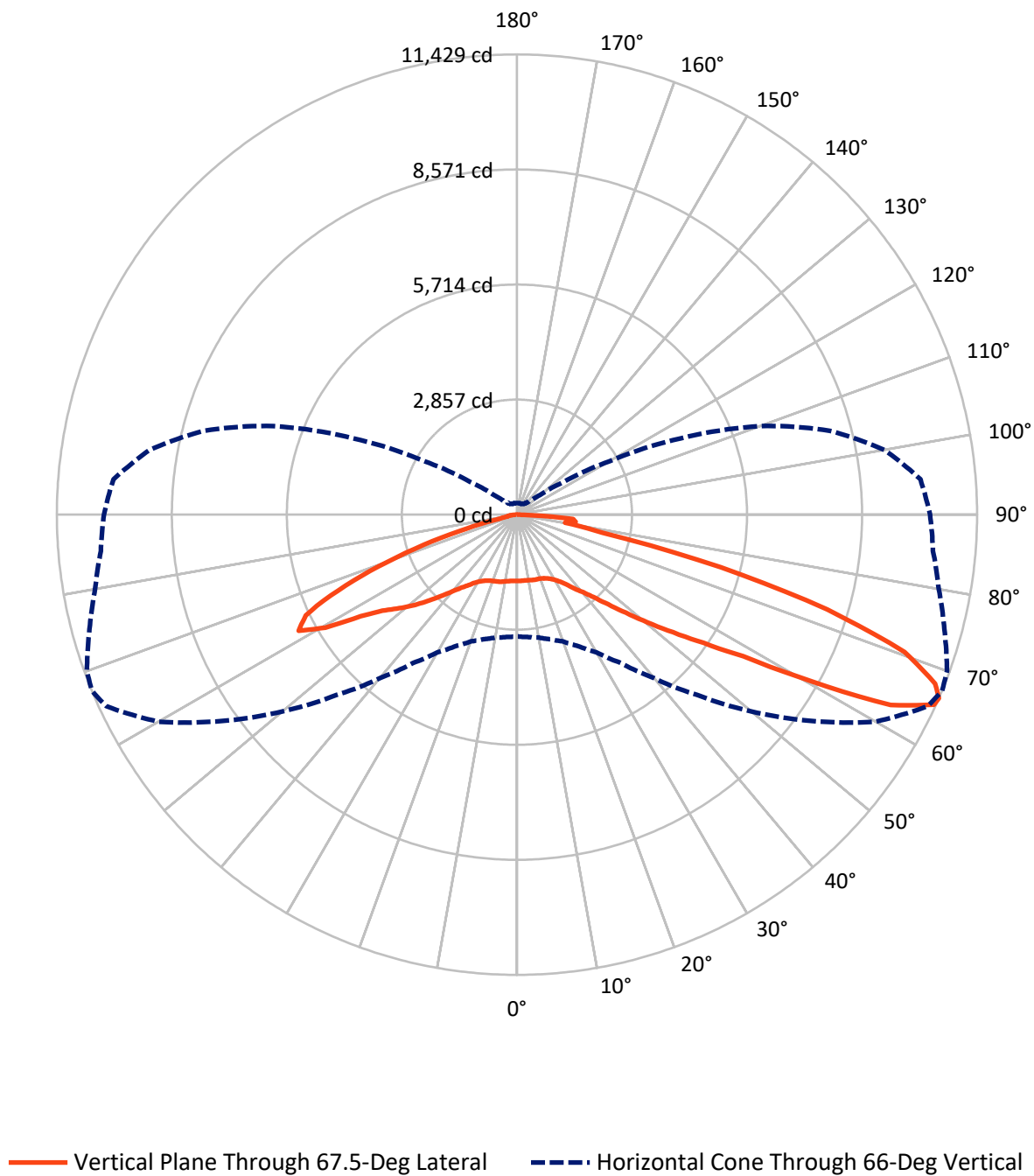


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P155465

CATALOG NUMBER: VXS-F06-LED-E1-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P155465

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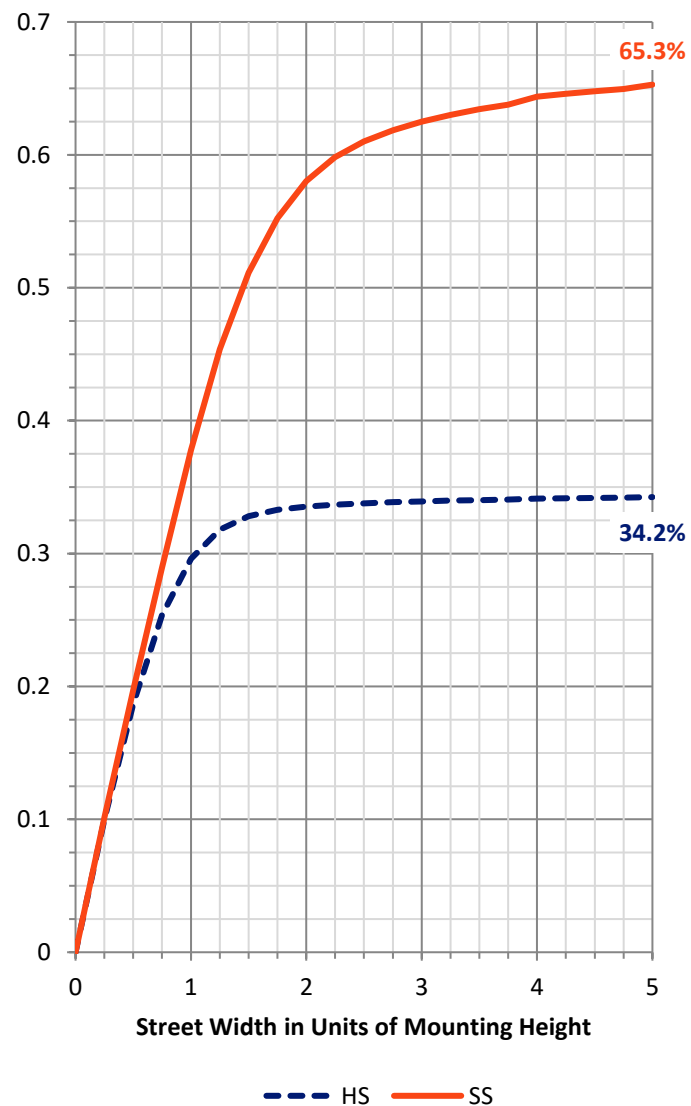
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5275.0	0.0	5275.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	10000.1	0.0	10000.1
	% Fixture	65.5	0.0	65.5
Total	Lumens	15275.1	0.0	15275.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	1.0
10°-20°	465.3	3.0
20°-30°	799.7	5.2
30°-40°	1298.5	8.5
40°-50°	2167.8	14.2
50°-60°	3413.5	22.3
60°-70°	4654.7	30.5
70°-80°	2015.0	13.2
80°-90°	303.0	2.0
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°	15275.1	100.0
0°-180°	15275.1	100.0

Coefficient of Utilization



REPORT NUMBER: P155465

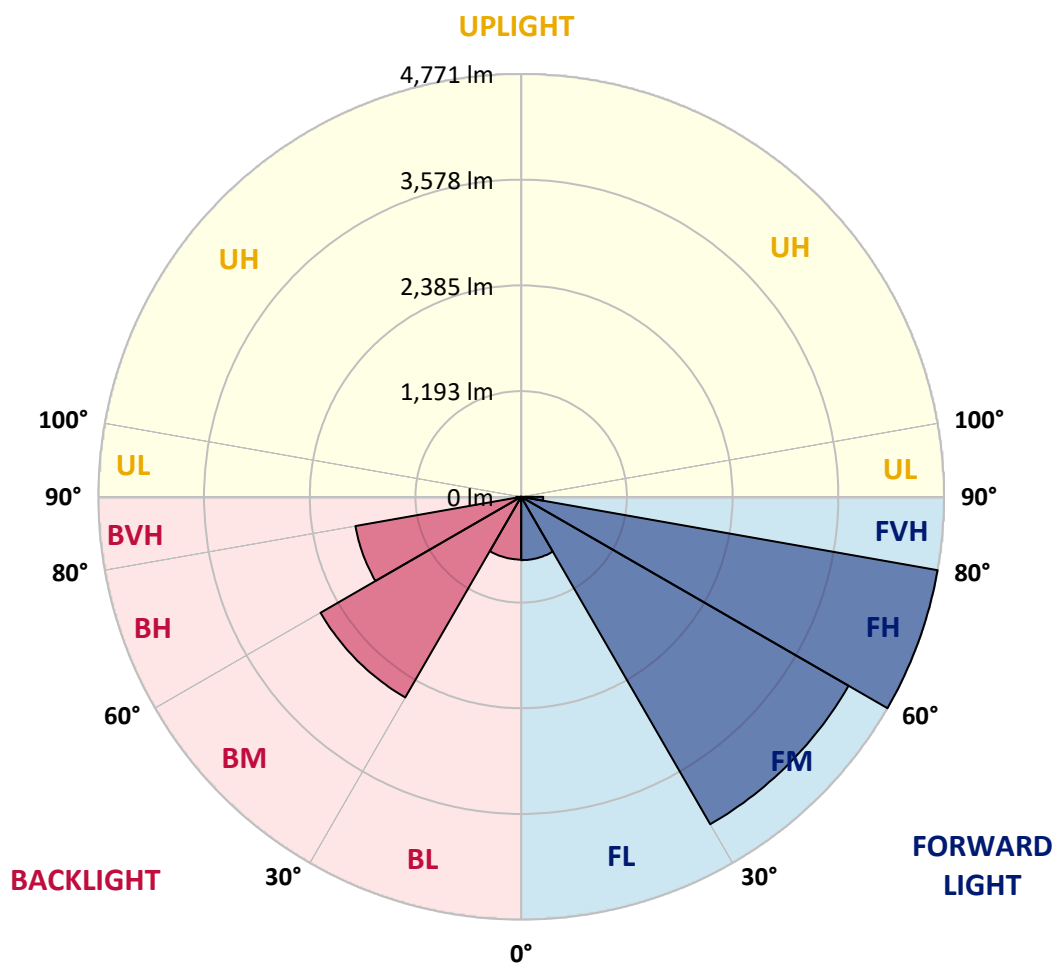
CATALOG NUMBER: VXS-F06-LED-E1-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	714.6	4.7			
FM	(30°-60°)	4265.8	27.9			
FH	(60°-80°)	4770.9	31.2			G2/5000
FVH	(80°-90°)	248.8	1.6			G3/500
BL	(0°-30°)	708.1	4.6	B2/1000		
BM	(30°-60°)	2614.0	17.1	B3/5000		
BH	(60°-80°)	1898.7	12.4	B3/2500		G3/2500
BVH	(80°-90°)	54.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



REPORT NUMBER: P155465

CATALOG NUMBER: VXS-F06-LED-E1-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1
2.5°	1652.7	1659.3	1652.7	1654.3	1656.0	1654.3	1652.7	1652.7	1647.8	1651.1	1654.3
5°	1646.1	1651.1	1649.4	1651.1	1652.7	1651.1	1649.4	1651.1	1647.8	1649.4	1654.3
7.5°	1637.8	1636.2	1637.8	1641.1	1644.5	1644.5	1644.5	1646.1	1644.5	1644.5	1649.4
10°	1613.1	1614.7	1618.0	1623.0	1624.7	1629.6	1629.6	1634.5	1636.2	1639.5	1646.1
12.5°	1581.7	1583.3	1586.6	1589.9	1598.2	1606.4	1606.4	1618.0	1623.0	1631.2	1642.8
15°	1558.5	1560.2	1563.5	1566.8	1573.5	1581.7	1586.6	1599.9	1608.1	1623.0	1639.5
17.5°	1571.8	1570.2	1573.5	1575.1	1575.1	1581.7	1581.7	1591.6	1601.6	1614.7	1636.2
20°	1609.7	1609.7	1613.1	1613.1	1611.4	1614.7	1608.1	1608.1	1609.7	1616.4	1631.2
22.5°	1647.8	1646.1	1652.7	1656.0	1657.6	1662.6	1656.0	1654.3	1646.1	1641.1	1646.1
25°	1684.0	1682.4	1690.7	1695.6	1703.8	1708.8	1708.8	1708.8	1702.3	1694.0	1689.0
27.5°	1740.2	1740.2	1748.5	1753.4	1760.0	1769.9	1774.9	1774.9	1776.6	1765.0	1756.7
30°	1834.3	1836.0	1837.6	1844.2	1850.8	1854.1	1860.7	1865.7	1870.7	1864.0	1850.8
32.5°	1946.6	1936.7	1936.7	1946.6	1954.8	1964.8	1968.1	1974.6	1984.6	1979.6	1977.9
35°	2080.3	2077.0	2073.7	2077.0	2086.9	2098.4	2111.7	2123.2	2116.7	2126.5	2121.6
37.5°	2278.4	2281.8	2283.4	2283.4	2281.8	2285.1	2291.6	2303.2	2299.9	2303.2	2309.8
40°	2605.4	2593.8	2582.3	2583.9	2567.4	2570.7	2544.2	2555.9	2557.5	2545.9	2550.9
42.5°	2932.2	2938.9	2943.8	2957.0	2945.5	2938.9	2914.1	2914.1	2900.9	2889.3	2886.0
45°	3285.6	3298.8	3300.4	3326.8	3317.0	3338.4	3356.6	3351.6	3330.2	3328.5	3305.4
47.5°	3567.9	3589.4	3612.5	3643.8	3668.6	3716.5	3772.6	3800.7	3817.2	3830.5	3804.0
50°	3779.3	3789.1	3848.6	3898.1	3952.6	4031.8	4109.4	4210.2	4291.1	4329.0	4365.4
52.5°	3893.2	3917.9	3982.4	4059.9	4155.6	4274.6	4400.0	4560.2	4698.9	4791.3	4873.9
55°	3917.9	3942.7	4015.3	4114.4	4244.9	4405.0	4585.0	4802.9	5011.0	5189.2	5362.6
57.5°	3848.6	3876.7	3954.3	4068.2	4221.8	4416.6	4642.8	4928.4	5215.6	5504.6	5760.5
60°	3721.5	3756.2	3827.2	3939.4	4109.4	4329.0	4599.8	4958.1	5360.9	5803.4	6293.8
62.5°	3511.8	3548.1	3614.2	3737.9	3913.0	4155.6	4469.4	4915.1	5484.8	6181.6	7051.6
65°	3174.9	3191.5	3272.3	3397.8	3553.1	3820.5	4165.6	4703.8	5445.2	6414.3	7613.0
66°	3023.1	3051.2	3100.6	3201.3	3349.9	3600.9	3947.7	4494.2	5294.9	6333.5	7598.1
67.5°	2785.3	2806.7	2839.8	2907.5	2998.3	3183.2	3511.8	4028.6	4836.0	5923.9	7282.8
70°	2252.0	2262.0	2306.5	2329.6	2361.0	2422.1	2540.9	2838.1	3467.3	4489.2	5877.7
72.5°	1535.4	1563.5	1611.4	1677.5	1763.3	1845.9	1902.0	1940.0	2075.3	2678.0	3916.3
75°	1126.0	1155.8	1216.8	1304.4	1454.6	1626.3	1804.6	1887.2	1831.0	1753.4	2181.0
77.5°	653.8	693.5	744.7	828.8	967.6	1195.3	1500.8	1771.6	1954.8	1966.4	1867.4
80°	275.8	280.7	312.0	355.0	440.8	600.9	838.8	1228.4	1634.5	1908.6	1973.0
82.5°	62.7	77.6	99.1	117.2	143.6	198.1	293.9	488.7	883.3	1385.2	1806.2
85°	23.1	23.1	31.4	46.2	52.8	59.5	77.6	123.8	211.3	389.6	812.3
87.5°	0.0	1.7	3.3	3.3	6.6	8.3	13.2	18.1	16.5	14.8	49.5
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: P155465

CATALOG NUMBER: VXS-F06-LED-E1-T3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1
2.5°	1651.1	1649.4	1646.1	1646.1	1646.1	1646.1	1642.8	1644.5	1641.1	1642.8	1642.8
5°	1649.4	1649.4	1647.8	1644.5	1646.1	1646.1	1647.8	1644.5	1644.5	1646.1	1644.5
7.5°	1649.4	1647.8	1647.8	1647.8	1649.4	1647.8	1649.4	1649.4	1649.4	1651.1	1651.1
10°	1649.4	1649.4	1652.7	1654.3	1654.3	1656.0	1660.9	1660.9	1662.6	1664.2	1667.6
12.5°	1651.1	1657.6	1662.6	1667.6	1669.2	1672.5	1680.7	1680.7	1684.0	1689.0	1690.7
15°	1652.7	1662.6	1672.5	1675.9	1679.1	1685.7	1694.0	1697.3	1702.3	1707.2	1710.5
17.5°	1651.1	1664.2	1675.9	1680.7	1685.7	1694.0	1703.8	1707.2	1713.8	1720.4	1727.0
20°	1649.4	1667.6	1685.7	1692.3	1699.0	1710.5	1723.7	1731.9	1738.5	1748.5	1755.0
22.5°	1659.3	1680.7	1705.5	1715.4	1727.0	1741.9	1760.0	1769.9	1778.1	1788.1	1793.1
25°	1690.7	1707.2	1736.9	1753.4	1768.3	1793.1	1817.8	1829.3	1839.3	1847.6	1849.2
27.5°	1743.5	1748.5	1784.8	1806.2	1827.7	1867.4	1897.1	1905.3	1923.5	1930.1	1928.4
30°	1829.3	1821.1	1850.8	1883.8	1915.2	1969.7	2006.0	2027.5	2044.0	2044.0	2030.8
32.5°	1953.2	1940.0	1948.3	1986.2	2022.5	2101.8	2144.7	2172.7	2184.4	2181.0	2153.0
35°	2115.0	2106.7	2101.8	2131.5	2189.3	2281.8	2337.9	2352.7	2370.9	2367.6	2331.3
37.5°	2306.5	2299.9	2299.9	2334.6	2390.7	2527.8	2588.8	2598.8	2597.1	2570.7	2503.0
40°	2532.7	2529.4	2514.5	2534.4	2582.3	2760.5	2843.1	2856.3	2838.1	2795.2	2716.0
42.5°	2857.9	2838.1	2791.9	2803.5	2839.8	3013.2	3120.5	3156.8	3138.7	3095.8	2966.9
45°	3282.3	3260.8	3183.2	3173.4	3193.2	3345.1	3483.7	3492.0	3488.7	3434.2	3282.3
47.5°	3780.9	3747.9	3665.3	3639.0	3632.3	3772.6	3906.4	3919.6	3911.3	3830.5	3627.4
50°	4320.8	4273.0	4218.4	4200.3	4173.9	4274.6	4409.9	4411.6	4378.5	4266.3	4076.5
52.5°	4897.0	4880.5	4870.6	4852.4	4840.8	4928.4	5011.0	4961.5	4911.9	4794.6	4629.5
55°	5478.1	5545.9	5615.2	5621.9	5641.7	5735.8	5734.1	5598.8	5562.4	5498.0	5334.5
57.5°	6095.6	6346.6	6564.6	6632.2	6698.3	6873.4	6856.8	6723.1	6676.9	6597.6	6462.2
60°	6936.1	7613.0	8242.1	8392.3	8496.3	8706.0	8686.2	8479.8	8575.5	8568.9	8393.9
62.5°	8113.3	9239.3	10182.1	10413.2	10485.8	10508.9	10383.4	10160.5	10254.7	10360.3	9822.1
65°	8910.7	10234.8	11202.4	11380.7	11390.6	11114.8	10835.9	10573.4	10550.3	10459.4	9690.1
66°	8928.9	10284.4	11255.2	11428.6	11367.5	10991.1	10637.7	10373.6	10259.6	10059.9	9262.4
67.5°	8608.6	9975.6	11020.7	11204.0	11070.3	10537.0	10049.9	9709.8	9486.9	9163.3	8460.0
70°	7229.9	8585.5	9873.3	10215.0	10257.9	9462.2	8786.8	8387.4	8086.8	7642.7	7036.8
72.5°	5375.9	6600.9	7736.8	8063.7	8230.5	7594.8	7025.2	6721.5	6310.4	5843.1	5412.1
75°	3369.7	4234.9	4996.1	5225.6	5068.7	4576.7	4234.9	4107.8	3703.3	3424.2	3227.8
77.5°	1926.7	2197.5	2258.7	2171.1	1986.2	1520.6	1081.5	800.7	695.1	769.4	848.6
80°	1880.5	1723.7	1373.7	1208.6	1094.6	752.8	442.5	303.8	252.6	259.2	280.7
82.5°	2037.4	2186.0	1799.7	1467.8	1231.7	832.1	459.0	244.4	165.1	194.8	219.6
85°	1324.1	1842.6	1659.3	1398.4	1132.6	711.6	378.1	127.2	84.2	110.6	151.9
87.5°	133.8	146.9	125.5	170.1	127.2	59.5	29.7	18.1	16.5	19.8	29.7
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: P155465

CATALOG NUMBER: VXS-F06-LED-E1-T3

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1	1646.1
2.5°	1644.5	1644.5	1646.1	1647.8	1649.4	1651.1	1651.1	1651.1	1651.1	1654.3	1652.7
5°	1647.8	1651.1	1654.3	1656.0	1659.3	1659.3	1664.2	1662.6	1662.6	1667.6	1669.2
7.5°	1654.3	1659.3	1665.9	1664.2	1670.9	1669.2	1672.5	1672.5	1667.6	1669.2	1665.9
10°	1669.2	1675.9	1679.1	1674.2	1675.9	1669.2	1667.6	1659.3	1649.4	1644.5	1637.8
12.5°	1694.0	1700.6	1700.6	1692.3	1682.4	1667.6	1656.0	1637.8	1623.0	1614.7	1606.4
15°	1715.4	1722.1	1720.4	1707.2	1692.3	1669.2	1652.7	1631.2	1609.7	1596.6	1588.3
17.5°	1731.9	1735.2	1730.3	1712.1	1695.6	1674.2	1657.6	1634.5	1609.7	1593.3	1578.4
20°	1756.7	1753.4	1741.9	1718.8	1700.6	1680.7	1667.6	1647.8	1619.7	1598.2	1576.8
22.5°	1793.1	1779.8	1758.3	1733.6	1715.4	1697.3	1684.0	1662.6	1634.5	1608.1	1583.3
25°	1840.9	1814.5	1784.8	1758.3	1741.9	1722.1	1707.2	1684.0	1654.3	1624.7	1594.9
27.5°	1910.3	1864.0	1826.0	1802.9	1784.8	1760.0	1741.9	1712.1	1680.7	1646.1	1613.1
30°	1987.9	1925.1	1888.8	1870.7	1850.8	1824.5	1796.4	1758.3	1722.1	1684.0	1644.5
32.5°	2088.6	2012.6	1977.9	1959.8	1933.4	1900.3	1867.4	1824.5	1773.3	1723.7	1675.9
35°	2220.6	2143.1	2106.7	2078.7	2042.4	1999.4	1951.5	1893.8	1824.5	1758.3	1697.3
37.5°	2362.7	2278.4	2243.7	2214.1	2159.6	2103.4	2035.8	1951.5	1857.4	1769.9	1694.0
40°	2542.6	2465.0	2420.4	2369.2	2304.9	2207.5	2101.8	1979.6	1859.1	1751.8	1662.6
42.5°	2770.5	2692.8	2626.8	2545.9	2433.7	2283.4	2133.2	1974.6	1829.3	1707.2	1611.4
45°	3072.6	2978.4	2864.6	2722.6	2540.9	2331.3	2134.8	1943.3	1773.3	1637.8	1535.4
47.5°	3442.5	3298.8	3112.2	2872.8	2611.9	2344.5	2108.4	1880.5	1685.7	1538.8	1424.9
50°	3881.7	3655.4	3348.3	2996.7	2648.3	2324.7	2042.4	1786.4	1561.9	1405.1	1269.6
52.5°	4383.5	4013.7	3561.3	3085.8	2646.6	2258.7	1930.1	1644.5	1400.1	1225.1	1096.3
55°	4973.0	4423.2	3780.9	3151.8	2600.4	2136.5	1758.3	1444.7	1200.3	1038.5	919.6
57.5°	5836.5	5086.8	4163.9	3254.2	2508.0	1948.3	1525.6	1205.3	990.7	837.1	736.4
60°	7414.8	6194.7	4854.1	3460.6	2365.9	1672.5	1253.2	949.3	769.4	645.6	577.8
62.5°	8603.6	7051.6	5227.3	3414.4	2080.3	1332.4	929.5	691.8	566.3	482.1	439.2
65°	8433.6	6785.8	4829.3	2940.5	1631.2	939.5	617.5	470.6	389.6	350.1	325.3
66°	8048.9	6439.1	4484.2	2646.6	1409.9	780.9	508.5	394.6	335.1	307.0	290.6
67.5°	7319.1	5795.2	3866.7	2169.4	1083.1	566.3	383.0	312.0	272.4	260.8	249.3
70°	6084.1	4621.2	2714.3	1263.0	553.1	315.3	242.7	217.9	208.1	206.4	203.1
72.5°	4662.6	3270.8	1598.2	597.7	287.3	209.6	188.2	180.0	176.7	176.7	178.3
75°	2857.9	1837.6	706.6	292.2	201.5	176.7	166.7	163.4	161.8	163.4	161.8
77.5°	954.3	584.5	302.2	221.2	183.3	163.4	156.9	153.6	153.6	153.6	153.6
80°	292.2	254.3	231.2	204.8	173.4	155.2	145.3	143.6	145.3	146.9	142.0
82.5°	219.6	208.1	194.8	181.7	156.9	138.7	135.3	135.3	135.3	130.5	123.8
85°	161.8	160.1	132.1	123.8	115.5	115.5	115.5	115.5	110.6	102.4	95.8
87.5°	29.7	28.1	29.7	31.4	46.2	49.5	49.5	52.8	57.8	54.5	54.5
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: P155465

CATALOG NUMBER: VXS-F06-LED-E1-T3

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	1646.1	1646.1	1646.1	1646.1	1646.1
2.5°	1652.7	1651.1	1656.0	1652.7	1654.3
5°	1667.6	1665.9	1669.2	1665.9	1670.9
7.5°	1662.6	1659.3	1657.6	1659.3	1660.9
10°	1628.0	1624.7	1623.0	1621.3	1623.0
12.5°	1598.2	1591.6	1591.6	1588.3	1589.9
15°	1576.8	1571.8	1570.2	1566.8	1568.5
17.5°	1566.8	1558.5	1555.3	1552.0	1552.0
20°	1560.2	1550.4	1545.4	1542.1	1540.4
22.5°	1560.2	1545.4	1538.8	1535.4	1533.8
25°	1566.8	1548.7	1538.8	1533.8	1532.1
27.5°	1580.1	1556.9	1545.4	1538.8	1538.8
30°	1603.2	1573.5	1556.9	1548.7	1547.0
32.5°	1626.3	1586.6	1563.5	1553.7	1550.4
35°	1637.8	1586.6	1558.5	1542.1	1538.8
37.5°	1624.7	1565.2	1530.6	1505.8	1500.8
40°	1583.3	1520.6	1482.7	1459.5	1456.3
42.5°	1528.9	1467.8	1423.2	1406.7	1401.8
45°	1454.6	1382.0	1337.3	1314.2	1315.9
47.5°	1327.5	1253.2	1213.5	1192.0	1195.3
50°	1177.2	1104.6	1069.8	1046.7	1051.7
52.5°	1012.1	946.0	913.1	901.5	898.1
55°	838.8	787.6	764.5	751.2	746.3
57.5°	680.2	643.9	627.4	610.9	612.5
60°	536.6	518.4	513.5	495.3	493.7
62.5°	422.7	411.1	406.1	393.0	394.6
65°	320.3	317.0	320.3	312.0	315.3
66°	288.9	290.6	290.6	285.6	288.9
67.5°	249.3	252.6	257.5	252.6	256.0
70°	206.4	209.6	213.0	213.0	213.0
72.5°	180.0	183.3	184.9	184.9	184.9
75°	165.1	166.7	168.4	165.1	165.1
77.5°	155.2	155.2	151.9	150.3	148.6
80°	140.3	138.7	133.8	130.5	130.5
82.5°	117.2	113.9	110.6	105.7	105.7
85°	89.1	85.8	82.6	76.0	72.6
87.5°	46.2	47.9	46.2	37.9	33.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)