

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: P155459

Luminaire Tested: **VXS-E06-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P155459
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-E06-LED-E1-T3-7030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16900.2 lumens
Efficiency: N/A
Efficacy: 112.3 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): 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

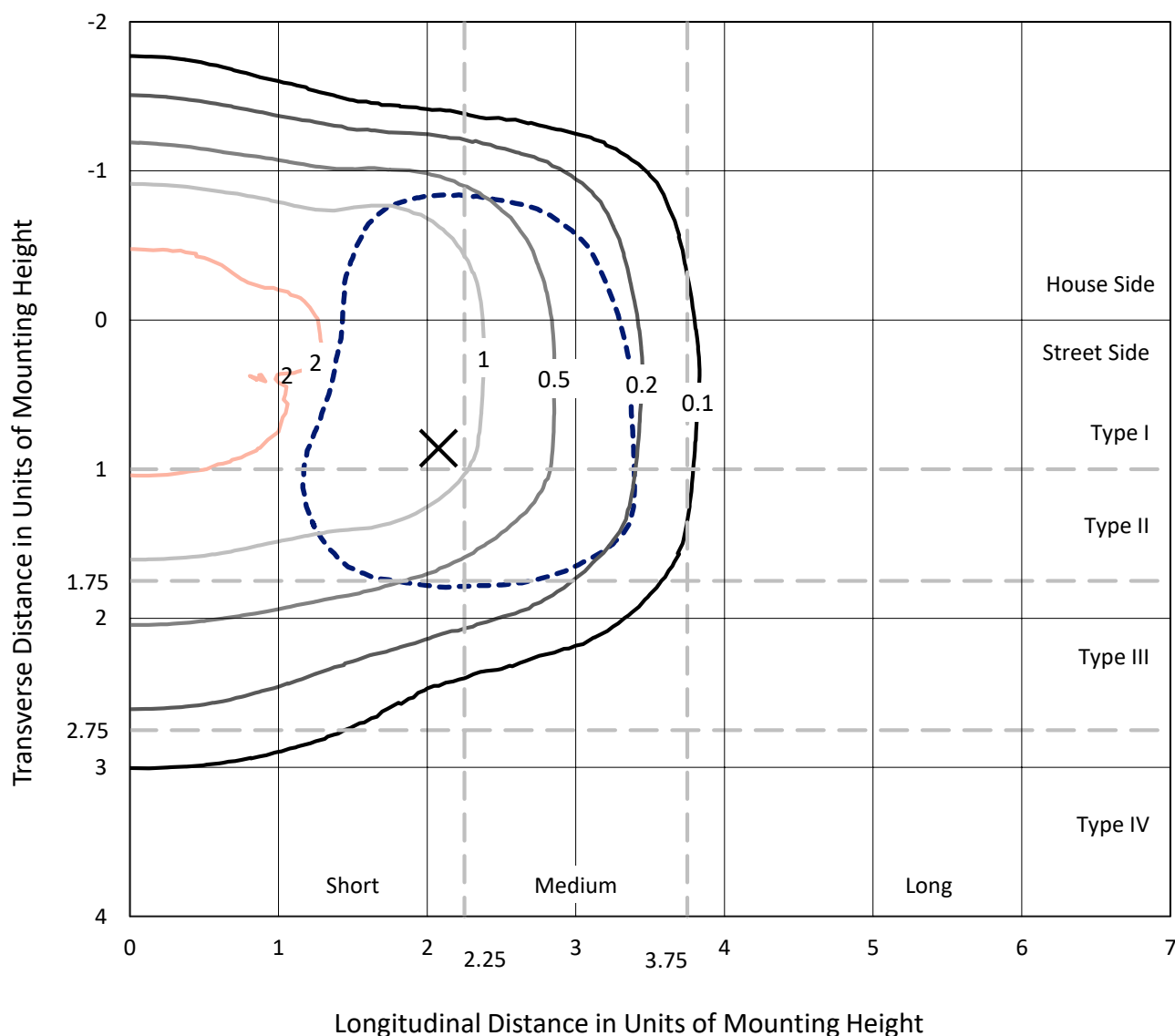


REPORT NUMBER: P155459

CATALOG NUMBER: VXS-E06-LED-E1-T3-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

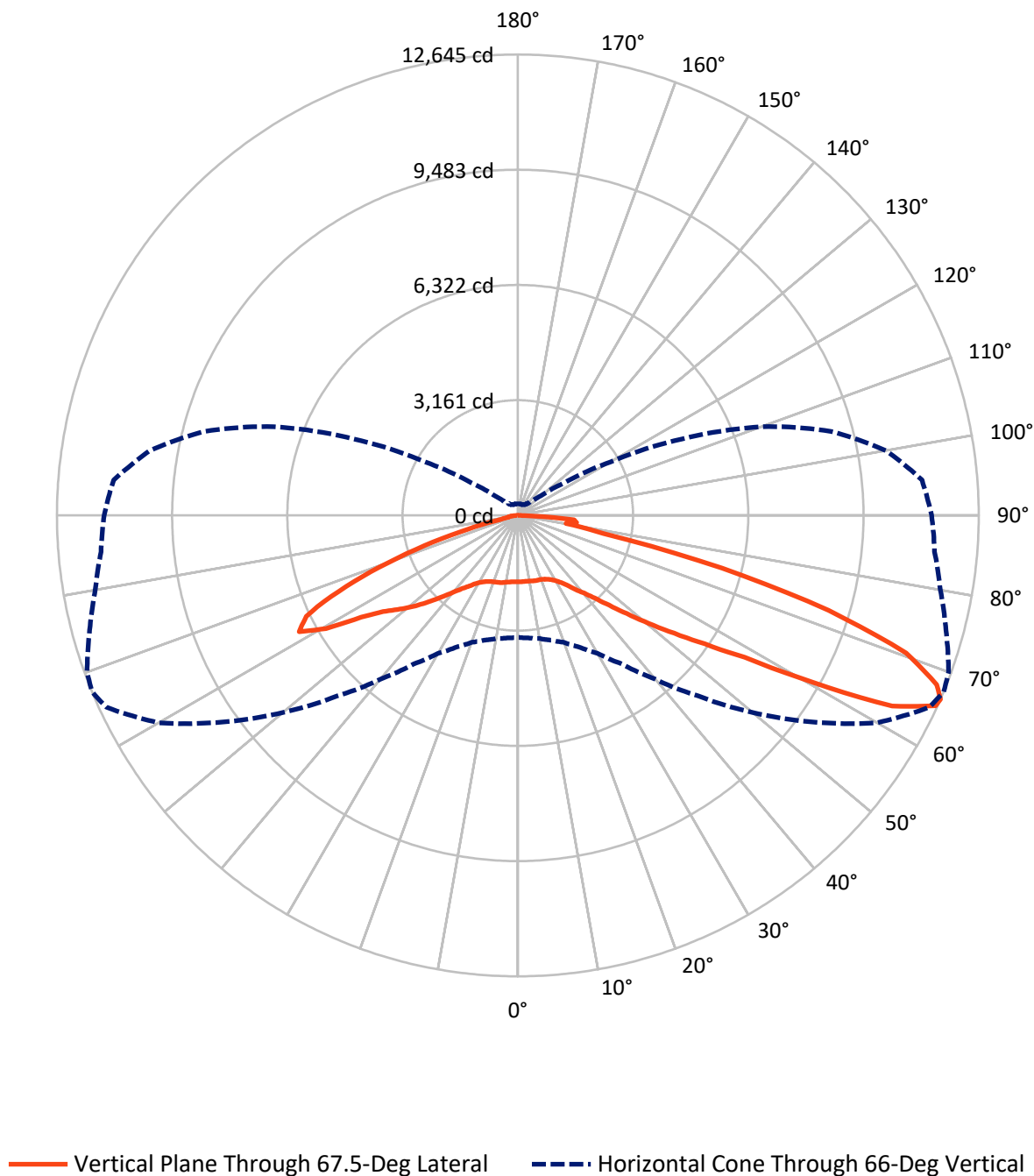


Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P155459

CATALOG NUMBER: VXS-E06-LED-E1-T3-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P155459

CATALOG NUMBER: VXS-E06-LED-E1-T3-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5836.2	0.0	5836.2
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	11064.0	0.0	11064.0
	% Fixture	65.5	0.0	65.5
Total	Lumens	16900.2	0.0	16900.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.4	1.0
10°-20°	514.8	3.0
20°-30°	884.8	5.2
30°-40°	1436.6	8.5
40°-50°	2398.4	14.2
50°-60°	3776.7	22.3
60°-70°	5149.9	30.5
70°-80°	2229.4	13.2
80°-90°	335.2	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°	16900.2	100.0
0°-180°	16900.2	100.0

Coefficient of Utilization



REPORT NUMBER: P155459

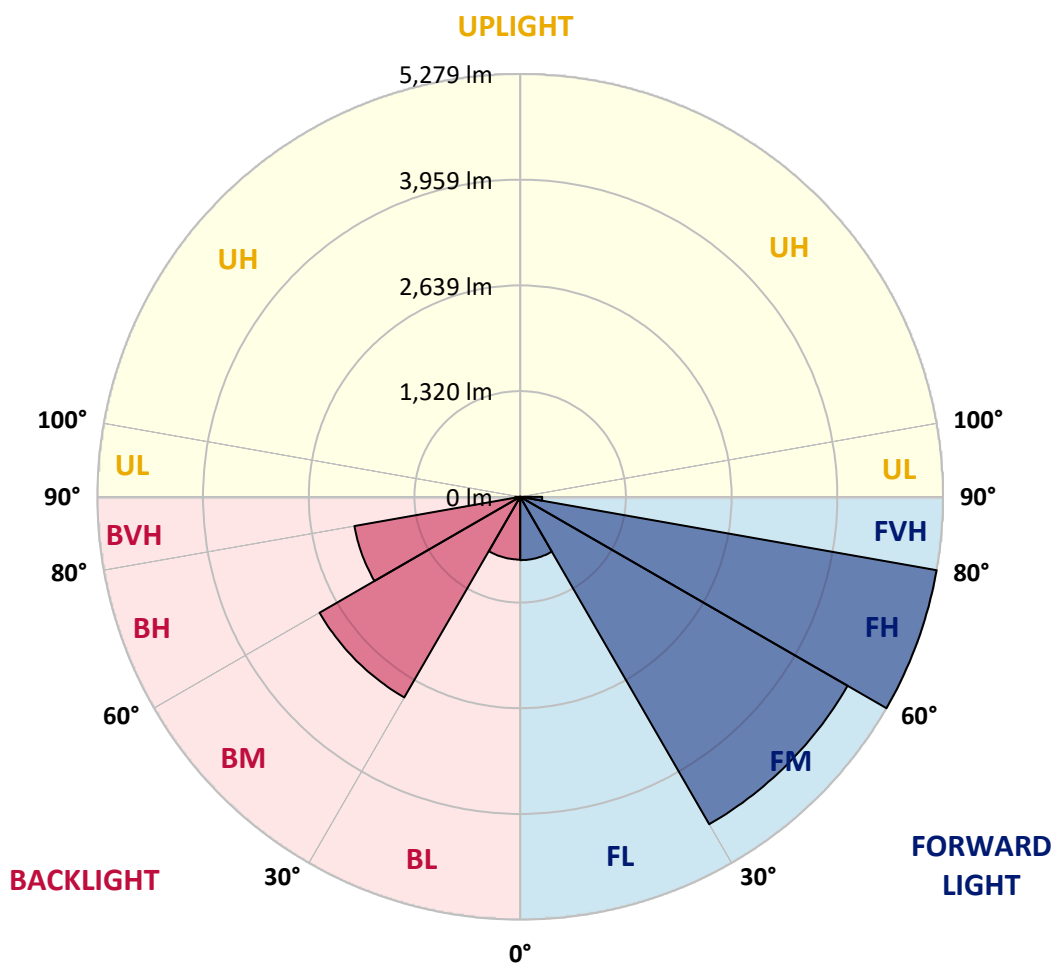
CATALOG NUMBER: VXS-E06-LED-E1-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	790.6	4.7			
FM	(30°-60°)	4719.7	27.9			
FH	(60°-80°)	5278.5	31.2			G3/7500
FVH	(80°-90°)	275.2	1.6			G3/500
BL	(0°-30°)	783.4	4.6	B2/1000		
BM	(30°-60°)	2892.1	17.1	B3/5000		
BH	(60°-80°)	2100.8	12.4	B3/2500		G3/2500
BVH	(80°-90°)	60.0	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: P155459

CATALOG NUMBER: VXS-E06-LED-E1-T3-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2
2.5°	1828.5	1835.9	1828.5	1830.4	1832.2	1830.4	1828.5	1828.5	1823.0	1826.7	1830.4
5°	1821.2	1826.7	1824.9	1826.7	1828.5	1826.7	1824.9	1826.7	1823.0	1824.9	1830.4
7.5°	1812.1	1810.3	1812.1	1815.8	1819.4	1819.4	1819.4	1821.2	1819.4	1819.4	1824.9
10°	1784.7	1786.5	1790.2	1795.6	1797.5	1803.0	1803.0	1808.4	1810.3	1813.9	1821.2
12.5°	1749.9	1751.8	1755.4	1759.1	1768.3	1777.4	1777.4	1790.2	1795.6	1804.8	1817.6
15°	1724.5	1726.2	1729.8	1733.6	1740.8	1749.9	1755.4	1770.1	1779.2	1795.6	1813.9
17.5°	1739.1	1737.2	1740.8	1742.7	1742.7	1749.9	1749.9	1760.9	1771.9	1786.5	1810.3
20°	1781.0	1781.0	1784.7	1784.7	1782.9	1786.5	1779.2	1779.2	1781.0	1788.3	1804.8
22.5°	1823.0	1821.2	1828.5	1832.2	1834.0	1839.5	1832.2	1830.4	1821.2	1815.8	1821.2
25°	1863.2	1861.5	1870.6	1876.1	1885.2	1890.7	1890.7	1890.7	1883.3	1874.2	1868.7
27.5°	1925.4	1925.4	1934.5	1940.0	1947.3	1958.2	1963.7	1963.7	1965.5	1952.7	1943.6
30°	2029.4	2031.3	2033.2	2040.4	2047.8	2051.4	2058.7	2064.1	2069.6	2062.4	2047.8
32.5°	2153.7	2142.7	2142.7	2153.7	2162.8	2173.8	2177.4	2184.8	2195.6	2190.3	2188.4
35°	2301.7	2298.0	2294.3	2298.0	2308.9	2321.8	2336.4	2349.1	2341.9	2352.7	2347.4
37.5°	2520.8	2524.5	2526.3	2526.3	2524.5	2528.2	2535.4	2548.3	2544.6	2548.3	2555.5
40°	2882.5	2869.7	2857.0	2858.8	2840.5	2844.1	2814.9	2827.8	2829.5	2816.8	2822.3
42.5°	3244.2	3251.5	3257.0	3271.6	3258.9	3251.5	3224.1	3224.1	3209.5	3196.7	3193.1
45°	3635.1	3649.7	3651.6	3680.8	3669.8	3693.6	3713.7	3708.2	3684.5	3682.6	3657.1
47.5°	3947.5	3971.3	3996.8	4031.5	4059.0	4111.9	4174.0	4205.1	4223.3	4237.9	4208.7
50°	4181.3	4192.2	4258.0	4312.8	4373.2	4460.8	4546.6	4658.1	4747.6	4789.6	4829.8
52.5°	4307.4	4334.7	4406.0	4491.8	4597.8	4729.3	4868.2	5045.4	5198.8	5301.0	5392.4
55°	4334.7	4362.2	4442.5	4552.1	4696.5	4873.7	5072.7	5313.9	5544.0	5741.3	5933.2
57.5°	4258.0	4289.1	4374.9	4501.0	4670.9	4886.4	5136.7	5452.7	5770.6	6090.3	6373.4
60°	4117.4	4155.8	4234.3	4358.5	4546.6	4789.6	5089.2	5485.6	5931.3	6420.8	6963.4
62.5°	3885.4	3925.6	3998.7	4135.6	4329.3	4597.8	4944.9	5438.1	6068.3	6839.2	7801.9
65°	3512.7	3531.0	3620.5	3759.4	3931.1	4226.9	4608.8	5204.2	6024.5	7096.7	8422.9
66°	3344.7	3375.8	3430.6	3542.0	3706.4	3984.0	4367.7	4972.2	5858.2	7007.3	8406.4
67.5°	3081.7	3105.4	3142.0	3216.8	3317.3	3521.9	3885.4	4457.1	5350.4	6554.2	8057.6
70°	2491.6	2502.6	2551.9	2577.5	2612.2	2679.8	2811.3	3140.1	3836.1	4966.8	6503.0
72.5°	1698.9	1729.8	1782.9	1856.0	1950.9	2042.3	2104.4	2146.4	2296.2	2962.9	4333.0
75°	1245.8	1278.7	1346.3	1443.1	1609.3	1799.3	1996.6	2087.9	2025.8	1940.0	2413.1
77.5°	723.4	767.3	823.8	917.0	1070.5	1322.5	1660.5	1960.0	2162.8	2175.6	2066.0
80°	305.1	310.6	345.3	392.7	487.8	664.9	928.0	1359.1	1808.4	2111.7	2182.9
82.5°	69.4	85.9	109.6	129.7	159.0	219.2	325.2	540.7	977.3	1532.6	1998.4
85°	25.6	25.6	34.7	51.2	58.4	65.8	85.9	137.0	233.8	431.1	898.8
87.5°	0.0	1.9	3.6	3.6	7.4	9.1	14.6	20.1	18.2	16.5	54.8
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: P155459

CATALOG NUMBER: VXS-E06-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2
2.5°	1826.7	1824.9	1821.2	1821.2	1821.2	1821.2	1817.6	1819.4	1815.8	1817.6	1817.6
5°	1824.9	1824.9	1823.0	1821.2	1821.2	1821.2	1823.0	1819.4	1819.4	1821.2	1819.4
7.5°	1824.9	1823.0	1823.0	1824.9	1823.0	1824.9	1824.9	1824.9	1824.9	1826.7	1826.7
10°	1824.9	1824.9	1828.5	1830.4	1832.2	1837.6	1837.6	1839.5	1841.3	1845.0	1845.0
12.5°	1826.7	1834.0	1839.5	1846.8	1850.5	1859.6	1859.6	1863.2	1868.7	1870.6	1870.6
15°	1828.5	1839.5	1850.5	1857.7	1865.1	1874.2	1877.8	1883.3	1888.8	1892.4	1892.4
17.5°	1826.7	1841.3	1854.1	1865.1	1874.2	1885.2	1888.8	1896.2	1903.4	1910.8	1910.8
20°	1824.9	1845.0	1865.1	1879.7	1892.4	1907.0	1916.2	1923.5	1934.5	1941.8	1941.8
22.5°	1835.9	1859.6	1886.9	1910.8	1927.2	1947.3	1958.2	1967.4	1978.3	1983.8	1983.8
25°	1870.6	1888.8	1921.7	1956.4	1983.8	2011.2	2023.9	2034.9	2044.0	2045.9	2045.9
27.5°	1929.0	1934.5	1974.7	2022.2	2066.0	2098.9	2108.0	2128.1	2135.4	2133.6	2133.6
30°	2023.9	2014.8	2047.8	2119.0	2179.3	2219.5	2243.2	2261.5	2261.5	2246.8	2246.8
32.5°	2161.0	2146.4	2155.5	2237.7	2325.4	2372.8	2403.9	2416.7	2413.1	2382.0	2382.0
35°	2340.0	2330.9	2325.4	2422.2	2524.5	2586.6	2603.0	2623.1	2619.5	2579.3	2579.3
37.5°	2551.9	2544.6	2544.6	2645.1	2796.7	2864.2	2875.2	2873.4	2844.1	2769.3	2769.3
40°	2802.2	2798.5	2782.1	2857.0	3054.2	3145.6	3160.2	3140.1	3092.6	3005.0	3005.0
42.5°	3162.0	3140.1	3088.9	3142.0	3333.7	3452.4	3492.6	3472.5	3425.1	3282.6	3282.6
45°	3631.5	3607.8	3521.9	3532.8	3700.9	3854.3	3863.5	3859.8	3799.6	3631.5	3631.5
47.5°	4183.1	4146.6	4055.2	4018.8	4174.0	4322.0	4336.6	4327.5	4237.9	4013.3	4013.3
50°	4780.5	4727.5	4667.3	4617.9	4729.3	4879.1	4880.9	4844.5	4720.2	4510.2	4510.2
52.5°	5418.0	5399.7	5388.8	5355.9	5452.7	5544.0	5489.2	5434.4	5304.8	5122.1	5122.1
55°	6061.0	6135.9	6212.6	6241.9	6345.9	6344.1	6194.3	6154.2	6082.9	5902.1	5902.1
57.5°	6744.1	7021.9	7263.0	7410.9	7604.6	7586.3	7438.3	7387.2	7299.5	7149.7	7149.7
60°	7674.0	8422.9	9118.9	9400.2	9632.2	9610.3	9382.0	9487.9	9480.6	9286.9	9286.9
62.5°	8976.4	10222.2	11265.3	11601.3	11626.9	11488.1	11241.6	11345.6	11462.6	10867.0	10867.0
65°	9858.7	11323.7	12394.2	12602.4	12297.3	11988.6	11698.2	11672.6	11572.1	10720.9	10720.9
66°	9878.8	11378.5	12452.6	12644.5	12576.8	12160.3	11769.4	11477.2	11351.1	11130.1	10247.8
67.5°	9524.5	11036.9	12193.3	12248.0	11658.0	11119.2	10742.8	10496.3	10138.2	9360.0	9360.0
70°	7999.2	9498.9	10923.6	11349.3	10468.8	9721.7	9279.7	8947.2	8455.8	7785.4	7785.4
72.5°	5947.8	7303.1	8559.9	9106.1	8402.8	7772.6	7436.5	6981.7	6464.7	5987.9	5987.9
75°	3728.3	4685.5	5527.6	5608.0	5063.6	4685.5	4544.9	4097.3	3788.6	3571.2	3571.2
77.5°	2131.7	2431.3	2499.0	2197.5	1682.4	1196.5	885.9	769.0	851.2	939.0	939.0
80°	2080.6	1907.0	1519.8	1211.1	833.0	489.5	336.1	279.5	286.8	310.6	310.6
82.5°	2254.2	2418.5	1991.1	1362.7	920.6	507.8	270.4	182.7	215.5	242.9	242.9
85°	1465.0	2038.5	1835.9	1253.2	787.4	418.3	140.6	93.2	122.4	168.1	168.1
87.5°	148.0	162.6	138.9	140.6	65.8	32.8	20.1	18.2	22.0	32.8	32.8
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: P155459

CATALOG NUMBER: VXS-E06-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2	1821.2
2.5°	1819.4	1819.4	1821.2	1823.0	1824.9	1826.7	1826.7	1826.7	1826.7	1830.4	1828.5
5°	1823.0	1826.7	1830.4	1832.2	1835.9	1835.9	1841.3	1839.5	1839.5	1845.0	1846.8
7.5°	1830.4	1835.9	1843.1	1841.3	1848.6	1846.8	1850.5	1850.5	1845.0	1846.8	1843.1
10°	1846.8	1854.1	1857.7	1852.2	1854.1	1846.8	1845.0	1835.9	1824.9	1819.4	1812.1
12.5°	1874.2	1881.5	1881.5	1872.3	1861.5	1845.0	1832.2	1812.1	1795.6	1786.5	1777.4
15°	1897.9	1905.3	1903.4	1888.8	1872.3	1846.8	1828.5	1804.8	1781.0	1766.4	1757.3
17.5°	1916.2	1919.9	1914.4	1894.3	1876.1	1852.2	1834.0	1808.4	1781.0	1762.8	1746.3
20°	1943.6	1940.0	1927.2	1901.6	1881.5	1859.6	1845.0	1823.0	1792.0	1768.3	1744.5
22.5°	1983.8	1969.2	1945.4	1918.0	1897.9	1877.8	1863.2	1839.5	1808.4	1779.2	1751.8
25°	2036.8	2007.6	1974.7	1945.4	1927.2	1905.3	1888.8	1863.2	1830.4	1797.5	1764.6
27.5°	2113.5	2062.4	2020.3	1994.7	1974.7	1947.3	1927.2	1894.3	1859.6	1821.2	1784.7
30°	2199.4	2129.9	2089.7	2069.6	2047.8	2018.5	1987.5	1945.4	1905.3	1863.2	1819.4
32.5°	2310.8	2226.7	2188.4	2168.3	2139.1	2102.5	2066.0	2018.5	1961.9	1907.0	1854.1
35°	2456.9	2371.1	2330.9	2299.8	2259.6	2212.1	2159.2	2095.2	2018.5	1945.4	1877.8
37.5°	2614.0	2520.8	2482.5	2449.6	2389.3	2327.3	2252.3	2159.2	2055.0	1958.2	1874.2
40°	2813.2	2727.3	2677.9	2621.3	2550.1	2442.3	2325.4	2190.3	2056.9	1938.1	1839.5
42.5°	3065.2	2979.4	2906.3	2816.8	2692.5	2526.3	2360.1	2184.8	2023.9	1888.8	1782.9
45°	3399.5	3295.3	3169.3	3012.2	2811.3	2579.3	2362.0	2150.1	1961.9	1812.1	1698.9
47.5°	3808.7	3649.7	3443.3	3178.4	2889.8	2593.9	2332.7	2080.6	1865.1	1702.5	1576.5
50°	4294.6	4044.4	3704.6	3315.4	2930.1	2572.0	2259.6	1976.5	1728.1	1554.5	1404.8
52.5°	4849.8	4440.7	3940.2	3414.1	2928.2	2499.0	2135.4	1819.4	1549.0	1355.4	1213.0
55°	5502.1	4893.8	4183.1	3487.2	2877.1	2363.7	1945.4	1598.3	1328.0	1149.0	1017.5
57.5°	6457.4	5628.1	4606.9	3600.4	2774.7	2155.5	1687.9	1333.5	1096.1	926.1	814.7
60°	8203.7	6853.8	5370.5	3828.8	2617.6	1850.5	1386.4	1050.4	851.2	714.2	639.4
62.5°	9519.0	7801.9	5783.3	3777.6	2301.7	1474.2	1028.4	765.4	626.5	533.4	485.9
65°	9330.8	7507.8	5343.1	3253.4	1804.8	1039.4	683.2	520.6	431.1	387.3	359.9
66°	8905.2	7124.1	4961.3	2928.2	1560.0	864.0	562.6	436.6	370.8	339.8	321.5
67.5°	8097.7	6411.7	4278.1	2400.3	1198.3	626.5	423.8	345.3	301.5	288.6	275.9
70°	6731.4	5113.0	3003.1	1397.4	611.9	348.9	268.5	241.1	230.2	228.3	224.7
72.5°	5158.7	3618.7	1768.3	661.2	317.8	232.0	208.3	199.1	195.4	195.4	197.3
75°	3162.0	2033.2	781.9	323.3	222.9	195.4	184.5	180.8	179.1	180.8	179.1
77.5°	1055.9	646.6	334.3	244.8	202.8	180.8	173.6	169.8	169.8	169.8	169.8
80°	323.3	281.3	255.8	226.5	191.8	171.7	160.7	159.0	160.7	162.6	157.1
82.5°	242.9	230.2	215.5	200.9	173.6	153.5	149.7	149.7	149.7	144.4	137.0
85°	179.1	177.2	146.1	137.0	127.9	127.9	127.9	127.9	122.4	113.3	105.9
87.5°	32.8	31.1	32.8	34.7	51.2	54.8	54.8	58.4	63.9	60.3	60.3
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: P155459

CATALOG NUMBER: VXS-E06-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	1821.2	1821.2	1821.2	1821.2	1821.2
2.5°	1828.5	1826.7	1832.2	1828.5	1830.4
5°	1845.0	1843.1	1846.8	1843.1	1848.6
7.5°	1839.5	1835.9	1834.0	1835.9	1837.6
10°	1801.1	1797.5	1795.6	1793.8	1795.6
12.5°	1768.3	1760.9	1760.9	1757.3	1759.1
15°	1744.5	1739.1	1737.2	1733.6	1735.3
17.5°	1733.6	1724.5	1720.7	1717.1	1717.1
20°	1726.2	1715.2	1709.7	1706.1	1704.4
22.5°	1726.2	1709.7	1702.5	1698.9	1697.0
25°	1733.6	1713.5	1702.5	1697.0	1695.1
27.5°	1748.2	1722.6	1709.7	1702.5	1702.5
30°	1773.7	1740.8	1722.6	1713.5	1711.6
32.5°	1799.3	1755.4	1729.8	1719.0	1715.2
35°	1812.1	1755.4	1724.5	1706.1	1702.5
37.5°	1797.5	1731.7	1693.4	1665.9	1660.5
40°	1751.8	1682.4	1640.4	1614.8	1611.2
42.5°	1691.5	1623.9	1574.6	1556.4	1550.9
45°	1609.3	1528.9	1479.6	1454.1	1455.9
47.5°	1468.7	1386.4	1342.6	1318.9	1322.5
50°	1302.5	1222.1	1183.7	1158.1	1163.6
52.5°	1119.8	1046.7	1010.2	997.4	993.7
55°	928.0	871.3	845.8	831.2	825.7
57.5°	752.6	712.4	694.2	675.9	677.7
60°	593.7	573.6	568.1	548.0	546.2
62.5°	467.7	454.8	449.3	434.7	436.6
65°	354.4	350.8	354.4	345.3	348.9
66°	319.7	321.5	321.5	316.1	319.7
67.5°	275.9	279.5	285.0	279.5	283.1
70°	228.3	232.0	235.6	235.6	235.6
72.5°	199.1	202.8	204.6	204.6	204.6
75°	182.7	184.5	186.3	182.7	182.7
77.5°	171.7	171.7	168.1	166.2	164.4
80°	155.2	153.5	148.0	144.4	144.4
82.5°	129.7	126.0	122.4	116.9	116.9
85°	98.7	95.0	91.3	84.0	80.4
87.5°	51.2	53.0	51.2	42.0	36.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)