

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: P154399

Luminaire Tested: **VXS-E04-LED-E1-T2-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P154399  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-E04-LED-E1-T2-7030  
Description: VISION SITE SMALL LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (84) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11193.5 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 97.2  
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

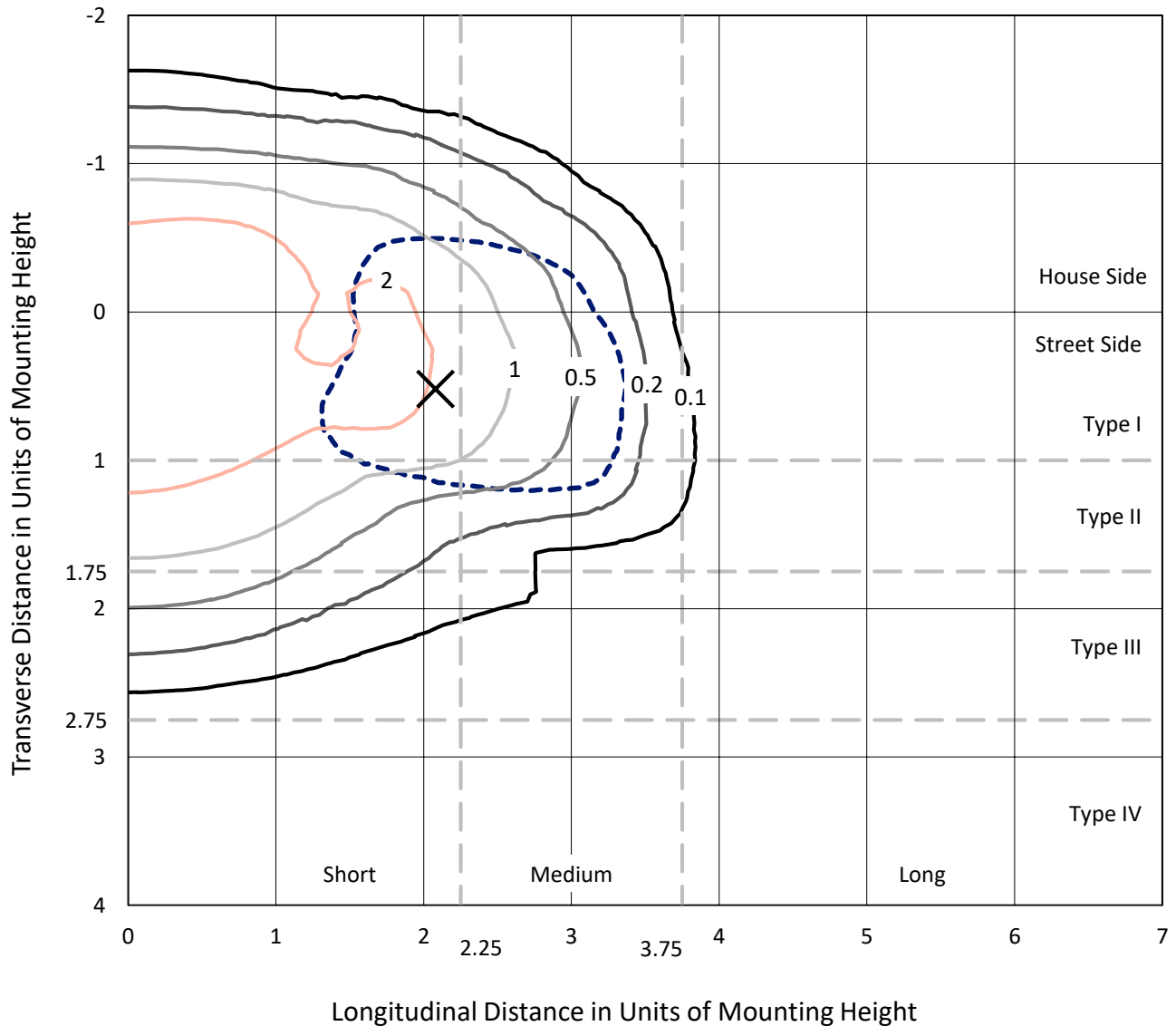


REPORT NUMBER: P154399

CATALOG NUMBER: VXS-E04-LED-E1-T2-7030

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

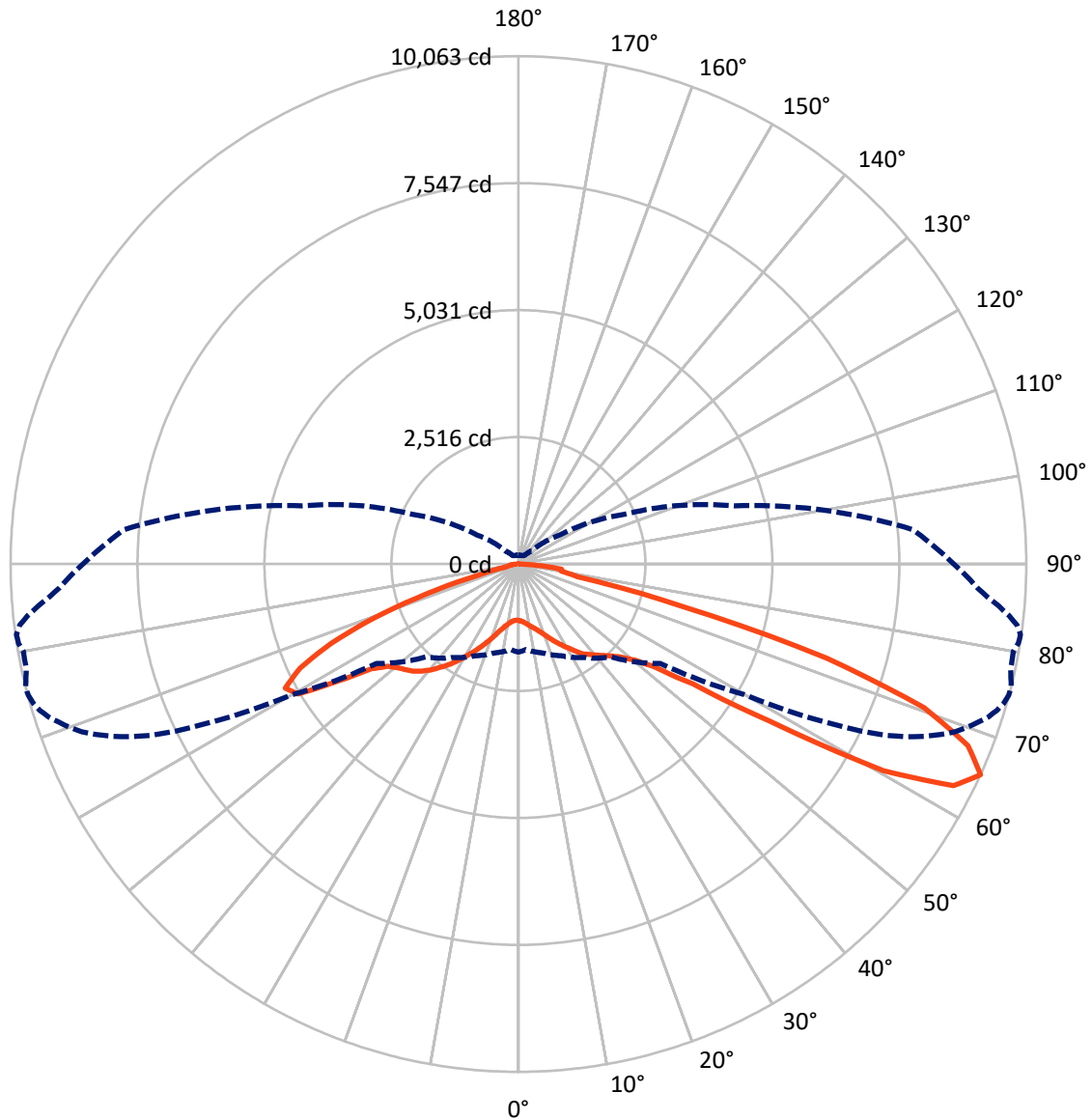


Based on 20 foot mounting height. Maximum calculated value = 3.4 fc  
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P154399

CATALOG NUMBER: VXS-E04-LED-E1-T2-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P154399

CATALOG NUMBER: VXS-E04-LED-E1-T2-7030

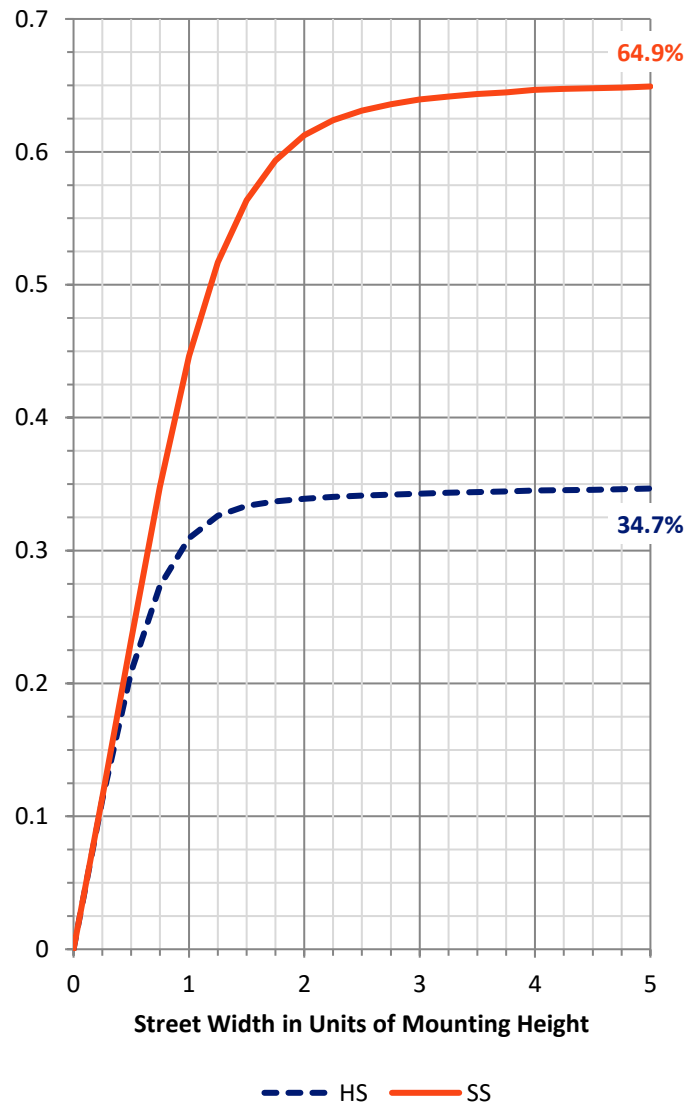
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3919.7	0.0	3919.7
	% Fixture	35.0	0.0	35.0
<b>Street Side</b>	Lumens	7273.8	0.0	7273.8
	% Fixture	65.0	0.0	65.0
<b>Total</b>	Lumens	11193.5	0.0	11193.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.1	1.0
10°-20°	384.9	3.4
20°-30°	756.2	6.8
30°-40°	1256.6	11.2
40°-50°	1846.4	16.5
50°-60°	2556.3	22.8
60°-70°	3051.2	27.3
70°-80°	1079.0	9.6
80°-90°	150.8	1.3
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°	11193.5	100.0
0°-180°	11193.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P154399

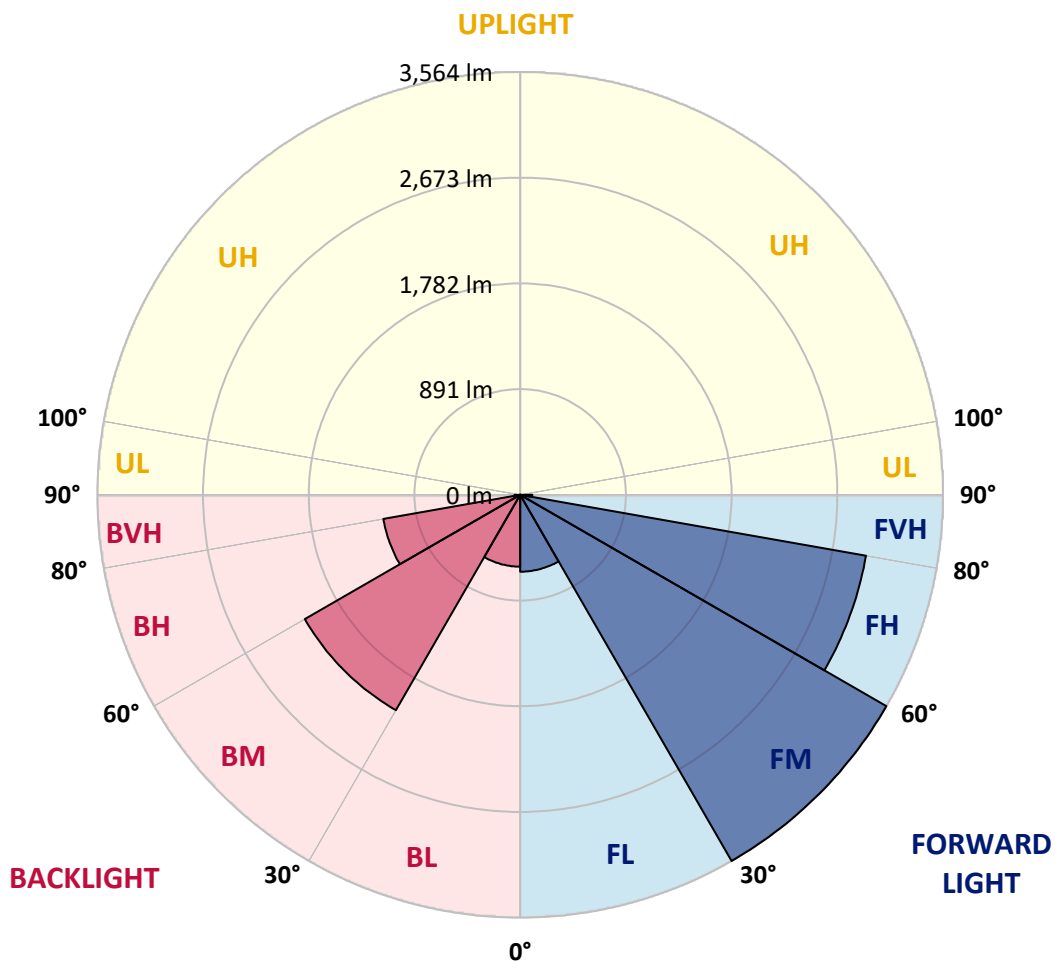
CATALOG NUMBER: VXS-E04-LED-E1-T2-7030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	647.7	5.8			
FM (30°-60°)	3563.7	31.8			
FH (60°-80°)	2959.4	26.4			G2/5000
FVH (80°-90°)	103.1	0.9			G2/225
BL (0°-30°)	605.6	5.4	B2/1000		
BM (30°-60°)	2095.6	18.7	B2/2500		
BH (60°-80°)	1170.8	10.5	B3/2500		G3/2500
BVH (80°-90°)	47.7	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 II Short





REPORT NUMBER: P154399

CATALOG NUMBER: VXS-E04-LED-E1-T2-7030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2
2.5°	1167.9	1169.1	1166.6	1165.4	1161.8	1155.6	1150.8	1145.9	1145.9	1145.9	1142.3
5°	1219.1	1221.5	1216.6	1213.0	1202.0	1195.9	1187.4	1181.2	1178.9	1177.6	1174.0
7.5°	1283.5	1279.9	1272.6	1270.2	1261.7	1248.3	1232.4	1220.2	1220.2	1219.1	1220.2
10°	1348.1	1338.3	1334.7	1331.1	1317.6	1300.6	1282.4	1268.9	1267.8	1266.5	1262.9
12.5°	1412.6	1409.0	1405.4	1391.9	1378.5	1351.7	1331.1	1317.6	1316.5	1317.6	1312.7
15°	1497.9	1489.3	1485.7	1462.6	1433.4	1404.1	1378.5	1366.3	1362.7	1363.9	1360.3
17.5°	1563.6	1563.6	1555.1	1529.5	1491.8	1451.6	1424.9	1417.5	1416.3	1416.3	1417.5
20°	1616.1	1614.8	1606.3	1585.6	1540.5	1500.3	1486.9	1484.5	1483.3	1483.3	1486.9
22.5°	1645.3	1642.8	1639.2	1616.1	1580.7	1553.9	1555.1	1562.5	1564.9	1567.4	1572.2
25°	1659.9	1656.2	1655.0	1639.2	1613.6	1609.9	1631.8	1651.3	1656.2	1661.0	1667.2
27.5°	1684.2	1678.1	1680.5	1674.5	1668.4	1679.4	1724.5	1745.1	1748.8	1754.8	1758.5
30°	1751.2	1748.8	1758.5	1760.9	1765.8	1781.7	1823.0	1842.5	1851.1	1851.1	1868.1
32.5°	1879.1	1880.3	1882.7	1908.3	1916.8	1927.8	1949.7	1965.5	1966.7	1968.0	1983.8
35°	2050.8	2058.0	2078.8	2100.7	2121.5	2120.2	2106.8	2115.3	2109.2	2116.6	2117.7
37.5°	2267.6	2257.8	2288.3	2338.1	2369.8	2361.3	2301.7	2262.7	2273.7	2268.8	2265.1
40°	2434.4	2445.4	2503.8	2569.5	2593.9	2620.7	2542.8	2475.8	2466.0	2447.8	2436.8
42.5°	2664.6	2665.8	2713.3	2762.0	2832.6	2891.1	2841.1	2744.9	2715.6	2693.8	2646.3
45°	2877.6	2874.0	2913.0	2972.6	3056.7	3140.7	3159.0	3054.2	3043.3	3004.4	2942.2
47.5°	3020.1	3015.2	3042.1	3120.0	3256.4	3394.0	3469.5	3437.8	3417.1	3401.3	3303.9
50°	3116.4	3106.6	3137.1	3219.9	3372.1	3583.9	3781.2	3808.1	3799.6	3799.6	3737.4
52.5°	3188.2	3188.2	3210.2	3277.1	3431.8	3696.1	4049.2	4184.4	4195.3	4207.5	4203.8
55°	3148.0	3154.1	3208.9	3306.3	3469.5	3774.0	4270.8	4566.7	4627.7	4678.8	4737.2
57.5°	3010.4	3031.1	3104.1	3263.7	3479.3	3832.4	4516.8	5102.6	5274.3	5422.9	5654.2
60°	2809.4	2836.3	2942.2	3145.6	3407.4	3737.4	4603.3	5555.6	5828.4	6152.3	6756.4
62.5°	2464.9	2491.6	2595.1	2798.5	3022.6	3373.3	4245.3	5622.6	6058.5	6517.6	7431.0
65°	1746.3	1703.7	1823.0	2005.7	2262.7	2602.5	3430.6	5173.3	5800.4	6422.7	7550.4
67.5°	973.1	969.3	1042.5	1178.9	1424.9	1790.2	2363.7	3967.6	4544.9	5249.9	6634.6
70°	671.0	678.3	724.6	871.9	1075.3	1390.8	1684.2	2491.6	2906.8	3385.5	4746.9
72.5°	471.3	487.2	512.6	600.4	808.6	1171.5	1720.7	1489.3	1696.4	2022.8	2854.5
75°	276.5	287.4	305.7	348.3	460.3	783.0	1781.7	1309.1	1309.1	1385.9	1726.8
77.5°	170.5	170.5	181.5	198.5	244.8	383.6	1268.9	1471.1	1429.7	1385.9	1389.5
80°	87.7	93.8	109.6	118.1	136.4	175.3	569.9	1372.4	1505.2	1594.1	1532.0
82.5°	40.2	45.1	66.9	71.8	79.2	92.5	196.1	780.6	1046.1	1377.3	1720.7
85°	20.7	20.7	35.3	43.8	47.5	42.6	71.8	315.4	477.4	728.3	1139.9
87.5°	3.6	3.6	6.1	7.4	11.0	9.7	12.2	18.2	30.5	32.8	34.1
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: P154399

CATALOG NUMBER: VXS-E04-LED-E1-T2-7030

**CANDELA DISTRIBUTION (continued):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2
2.5°	1141.0	1142.3	1141.0	1139.9	1137.4	1137.4	1137.4	1136.2	1136.2	1136.2	1135.0
5°	1174.0	1169.1	1170.3	1167.9	1166.6	1165.4	1166.6	1164.2	1161.8	1163.0	1161.8
7.5°	1215.3	1213.0	1208.1	1208.1	1206.8	1204.5	1204.5	1200.7	1199.5	1197.1	1195.9
10°	1261.7	1255.5	1258.0	1255.5	1256.8	1251.9	1249.4	1247.0	1244.6	1244.6	1245.8
12.5°	1309.1	1307.9	1304.2	1301.9	1301.9	1298.1	1299.4	1298.1	1294.5	1293.3	1289.6
15°	1357.8	1357.8	1354.2	1355.4	1354.2	1351.7	1349.3	1349.3	1346.8	1344.5	1345.7
17.5°	1415.1	1415.1	1415.1	1415.1	1416.3	1412.6	1413.9	1411.4	1409.0	1413.9	1413.9
20°	1489.3	1494.2	1494.2	1493.1	1499.1	1495.4	1494.2	1500.3	1494.2	1502.8	1501.6
22.5°	1574.6	1579.5	1579.5	1584.4	1585.6	1589.2	1591.7	1589.2	1594.1	1599.0	1599.0
25°	1669.6	1674.5	1678.1	1685.4	1689.1	1686.6	1687.9	1694.0	1696.4	1701.2	1706.1
27.5°	1769.4	1770.7	1775.5	1784.0	1790.2	1792.6	1793.8	1803.5	1804.8	1807.3	1812.1
30°	1866.8	1879.1	1876.6	1887.6	1891.3	1894.9	1902.2	1905.9	1914.4	1919.3	1919.3
32.5°	1981.3	1979.0	1988.7	1997.2	2003.3	2009.3	2015.4	2020.3	2025.2	2027.7	2039.8
35°	2123.8	2128.7	2128.7	2129.9	2144.6	2145.8	2150.7	2161.6	2165.3	2172.5	2177.4
37.5°	2265.1	2256.6	2255.3	2255.3	2250.5	2254.2	2255.3	2256.6	2261.5	2262.7	2267.6
40°	2423.4	2412.4	2402.7	2396.6	2386.8	2373.5	2371.1	2365.0	2368.6	2367.4	2368.6
42.5°	2640.2	2609.7	2586.6	2569.5	2550.1	2535.4	2524.5	2508.7	2497.7	2484.4	2481.9
45°	2916.6	2859.4	2820.4	2792.4	2764.5	2724.2	2701.0	2676.7	2654.8	2632.8	2614.6
47.5°	3279.6	3218.7	3156.6	3105.4	3061.6	2997.0	2931.3	2894.7	2852.1	2814.3	2787.6
50°	3706.9	3633.9	3604.7	3532.8	3478.0	3380.6	3299.1	3239.4	3154.1	3096.9	3046.9
52.5°	4144.1	4125.9	4110.1	4049.2	3984.7	3928.6	3856.8	3752.0	3665.6	3599.8	3497.5
55°	4739.7	4748.2	4742.1	4709.2	4686.1	4632.5	4603.3	4511.9	4473.0	4378.0	4270.8
57.5°	5742.0	5810.2	5896.6	5930.7	5977.0	5933.2	5984.2	6046.4	5891.7	5945.3	5849.1
60°	7021.9	7334.8	7521.1	7750.1	7899.9	8109.3	8147.0	8201.9	8186.0	8216.5	8278.7
62.5°	7803.6	8175.1	8531.9	8791.3	9068.9	9222.4	9407.5	9536.6	9670.6	9760.6	9735.1
65°	8033.8	8416.3	8740.1	9023.9	9272.3	9459.9	9631.6	9793.6	9916.6	10003.0	10054.2
67.5°	7188.7	7688.0	8028.9	8361.5	8681.7	8879.0	9022.7	9179.8	9360.0	9509.8	9539.1
70°	5409.4	6158.4	6641.9	7040.1	7416.4	7681.9	7882.8	8028.9	8169.0	8276.2	8393.1
72.5°	3383.0	4038.2	4591.1	5107.5	5506.9	5872.2	6041.6	6365.5	6322.8	6404.5	6492.1
75°	2027.7	2346.7	2651.2	3015.2	3224.8	3529.2	3583.9	3637.6	3609.5	3518.2	3586.4
77.5°	1409.0	1461.3	1459.0	1438.2	1416.3	1362.7	1293.3	1255.5	1229.9	1193.5	1208.1
80°	1417.5	1304.2	1131.3	951.1	785.5	675.9	632.0	632.0	677.1	741.7	806.2
82.5°	1694.0	1573.4	1402.9	1174.0	930.4	757.5	641.8	595.5	604.0	669.7	752.6
85°	1142.3	1169.1	1025.4	937.7	742.9	578.4	484.7	393.4	348.3	359.3	406.7
87.5°	41.5	49.9	18.2	24.4	17.1	14.6	14.6	15.9	11.0	13.4	12.2
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: P154399

CATALOG NUMBER: VXS-E04-LED-E1-T2-7030

**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2
2.5°	1133.8	1132.5	1132.5	1130.2	1130.2	1128.9	1128.9	1127.7	1126.4	1126.4	1125.3
5°	1160.5	1159.4	1156.9	1155.6	1153.3	1153.3	1152.0	1149.6	1149.6	1147.2	1145.9
7.5°	1198.3	1195.9	1193.5	1192.2	1191.0	1187.4	1187.4	1184.9	1184.9	1182.5	1181.2
10°	1243.4	1240.9	1238.5	1239.7	1236.1	1234.8	1232.4	1232.4	1228.8	1227.6	1227.6
12.5°	1292.1	1290.9	1290.9	1287.3	1286.0	1284.8	1279.9	1279.9	1279.9	1277.5	1278.7
15°	1344.5	1345.7	1342.0	1345.7	1344.5	1340.8	1340.8	1340.8	1336.0	1342.0	1337.1
17.5°	1415.1	1418.8	1416.3	1417.5	1415.1	1415.1	1416.3	1415.1	1417.5	1417.5	1424.9
20°	1502.8	1503.9	1510.1	1507.7	1507.7	1506.4	1508.8	1510.1	1514.9	1512.5	1517.4
22.5°	1599.0	1605.1	1606.3	1611.2	1611.2	1609.9	1612.3	1617.2	1619.7	1623.3	1622.1
25°	1708.6	1712.2	1717.1	1711.0	1720.7	1720.7	1723.2	1729.3	1730.5	1730.5	1739.1
27.5°	1810.9	1820.6	1821.9	1827.9	1824.2	1826.7	1835.2	1838.9	1843.7	1843.7	1846.2
30°	1926.5	1930.3	1932.6	1940.0	1938.8	1940.0	1941.1	1947.3	1947.3	1953.4	1959.5
32.5°	2045.9	2048.3	2050.8	2058.0	2060.5	2065.4	2063.0	2067.9	2073.9	2075.1	2078.8
35°	2188.4	2190.8	2193.3	2204.2	2205.4	2214.0	2216.4	2214.0	2223.7	2217.6	2223.7
37.5°	2271.2	2282.2	2284.6	2291.9	2289.4	2295.5	2299.2	2304.0	2306.5	2311.4	2321.1
40°	2372.2	2376.0	2383.2	2386.8	2391.7	2393.0	2397.8	2401.5	2405.2	2416.2	2427.0
42.5°	2475.8	2480.6	2484.4	2489.2	2495.2	2500.1	2503.8	2514.7	2517.2	2524.5	2545.2
45°	2601.2	2598.8	2600.0	2601.2	2603.6	2609.7	2620.7	2631.7	2639.0	2656.1	2673.1
47.5°	2757.1	2741.2	2735.1	2725.4	2727.9	2741.2	2743.7	2762.0	2776.6	2792.4	2813.2
50°	2993.4	2950.8	2925.2	2899.6	2897.1	2904.5	2914.2	2933.7	2950.8	2971.4	3000.6
52.5°	3390.4	3308.8	3257.6	3186.9	3167.5	3163.8	3156.6	3167.5	3172.3	3200.4	3255.1
55°	4194.1	4043.1	3945.7	3836.1	3733.8	3703.3	3644.9	3657.1	3644.9	3662.0	3743.5
57.5°	5872.2	5751.7	5656.7	5516.7	5341.2	5154.9	5108.7	4917.5	4955.2	5064.9	4994.2
60°	8309.0	8265.2	8197.0	8130.1	7890.2	7754.9	7534.5	7510.2	7355.5	7356.7	7255.6
62.5°	9673.0	9729.0	9687.6	9668.1	9654.7	9612.1	9502.5	9371.0	9173.7	9031.2	8821.8
65°	10062.7	10015.2	9970.2	9964.0	9960.4	10029.8	10045.6	9953.1	9774.1	9552.4	9311.3
67.5°	9608.4	9581.7	9584.0	9533.0	9564.6	9685.2	9769.2	9743.6	9579.2	9311.3	9004.5
70°	8527.0	8474.7	8528.3	8595.2	8642.7	8712.1	8796.2	8816.9	8667.0	8391.8	8078.9
72.5°	6385.0	6393.5	6444.6	6462.9	6654.1	6634.6	6710.1	6464.0	6355.8	6093.9	5933.2
75°	3359.9	3305.1	3447.6	3145.6	3021.3	3107.9	2865.5	2632.8	2681.6	2721.8	2431.9
77.5°	1187.4	1110.7	980.3	928.0	772.1	654.0	534.6	482.3	454.2	439.6	421.3
80°	852.4	876.8	850.1	786.7	668.6	535.9	422.6	333.7	286.2	260.6	243.5
82.5°	862.2	958.4	1001.0	982.8	875.6	662.5	437.2	278.9	207.0	173.0	160.7
85°	462.8	506.6	487.2	410.4	369.0	220.4	151.0	101.0	85.3	77.9	71.8
87.5°	18.2	14.6	12.2	12.2	13.4	14.6	12.2	13.4	12.2	12.2	12.2
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: P154399

CATALOG NUMBER: VXS-E04-LED-E1-T2-7030

**CANDELA DISTRIBUTION (continued):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2
2.5°	1122.8	1122.8	1122.8	1121.6	1119.2	1113.1	1106.9	1102.1	1098.4	1094.8	1089.9
5°	1144.8	1142.3	1142.3	1142.3	1132.5	1122.8	1114.3	1105.8	1098.4	1092.3	1087.5
7.5°	1181.2	1180.0	1175.1	1174.0	1166.6	1150.8	1141.0	1126.4	1117.9	1109.4	1106.9
10°	1225.1	1223.9	1222.7	1221.5	1211.7	1195.9	1183.7	1170.3	1158.1	1145.9	1133.8
12.5°	1276.3	1275.0	1273.8	1270.2	1266.5	1258.0	1244.6	1229.9	1215.3	1189.7	1176.4
15°	1339.6	1342.0	1339.6	1338.3	1336.0	1337.1	1328.6	1307.9	1284.8	1251.9	1223.9
17.5°	1423.6	1421.1	1420.0	1424.9	1423.6	1429.7	1427.3	1400.5	1365.2	1312.7	1264.0
20°	1516.2	1516.2	1521.0	1524.7	1535.6	1551.5	1544.1	1511.3	1446.7	1373.7	1310.4
22.5°	1626.9	1629.4	1634.3	1631.8	1648.9	1674.5	1676.9	1630.7	1546.6	1445.5	1356.6
25°	1742.7	1745.1	1740.2	1747.6	1775.5	1812.1	1819.4	1753.7	1642.8	1511.3	1395.6
27.5°	1852.2	1854.7	1854.7	1864.5	1891.3	1953.4	1960.6	1887.6	1740.2	1568.5	1423.6
30°	1959.5	1969.2	1971.6	1974.1	2014.2	2100.7	2116.6	2010.6	1825.5	1611.2	1443.1
32.5°	2094.6	2098.2	2103.1	2109.2	2155.5	2261.5	2261.5	2116.6	1880.3	1637.9	1446.7
35°	2239.6	2240.7	2251.7	2253.0	2318.7	2424.7	2403.9	2204.2	1919.3	1631.8	1420.0
37.5°	2327.3	2332.1	2343.0	2357.6	2427.0	2576.9	2529.3	2279.7	1926.5	1591.7	1359.1
40°	2435.6	2445.4	2456.3	2470.9	2574.4	2731.5	2635.3	2327.3	1896.2	1512.5	1267.8
42.5°	2552.5	2565.9	2583.0	2609.7	2732.7	2867.9	2715.6	2334.5	1826.7	1423.6	1159.4
45°	2684.0	2708.4	2727.9	2759.6	2898.3	2986.0	2764.5	2291.9	1739.1	1306.7	1043.6
47.5°	2836.3	2855.8	2889.8	2923.9	3062.8	3066.4	2769.3	2209.1	1619.7	1189.7	920.6
50°	3023.8	3036.0	3087.2	3107.9	3238.1	3150.5	2734.0	2097.1	1494.2	1058.2	784.2
52.5°	3273.5	3290.5	3356.3	3387.9	3480.5	3265.0	2684.0	1975.2	1350.6	910.9	644.2
55°	3766.6	3840.9	3887.3	3942.0	4001.7	3524.4	2662.1	1845.0	1188.6	740.4	510.3
57.5°	5151.3	5126.9	5229.2	5353.5	5352.2	4117.4	2793.7	1733.0	997.4	566.3	392.1
60°	7214.3	7237.4	7185.0	7259.3	7023.0	4853.0	2973.9	1614.8	781.9	421.3	299.6
62.5°	8747.5	8613.5	8539.2	8451.5	7931.5	4933.3	2842.4	1372.4	568.7	296.0	230.2
65°	9110.4	8953.3	8793.8	8626.9	7842.6	4447.4	2332.1	1007.2	367.8	203.4	182.7
67.5°	8752.3	8500.2	8296.9	8125.2	7186.2	3686.3	1704.9	618.7	210.7	164.4	155.9
70°	7824.4	7545.5	7216.7	7024.2	6051.3	2716.9	1092.3	333.7	162.0	146.1	142.5
72.5°	5727.4	5498.3	5139.1	4918.7	4345.1	1651.3	610.2	187.6	151.0	140.0	135.1
75°	2231.0	2111.7	1961.9	1974.1	1762.2	730.7	276.5	162.0	147.4	137.6	132.7
77.5°	383.6	373.9	345.9	345.9	393.4	266.7	183.9	163.2	146.1	135.1	126.6
80°	230.2	225.3	214.3	211.9	204.6	187.6	176.6	165.6	143.7	127.9	116.9
82.5°	151.0	144.9	141.2	140.0	152.2	164.4	165.6	164.4	136.4	110.8	95.0
85°	64.6	64.6	64.6	65.8	87.7	132.7	136.4	146.1	112.0	86.4	68.2
87.5°	11.0	13.4	13.4	14.6	15.9	29.2	36.6	47.5	37.7	36.6	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: P154399

CATALOG NUMBER: VXS-E04-LED-E1-T2-7030

**CANDELA DISTRIBUTION (continued):**

	165°	175°	180°
0°	1119.2	1119.2	1119.2
2.5°	1088.7	1086.3	1086.3
5°	1085.1	1082.6	1083.8
7.5°	1099.7	1094.8	1096.1
10°	1126.4	1121.6	1119.2
12.5°	1160.5	1154.5	1154.5
15°	1195.9	1181.2	1180.0
17.5°	1225.1	1206.8	1204.5
20°	1258.0	1233.7	1229.9
22.5°	1288.4	1255.5	1250.7
25°	1310.4	1270.2	1264.0
27.5°	1320.1	1272.6	1267.8
30°	1327.4	1273.8	1266.5
32.5°	1320.1	1262.9	1256.8
35°	1279.9	1217.8	1214.2
37.5°	1210.5	1141.0	1136.2
40°	1119.2	1046.1	1033.9
42.5°	1002.3	934.1	920.6
45°	889.0	811.1	805.0
47.5°	767.3	693.0	696.6
50°	639.4	572.3	571.2
52.5°	517.6	459.1	455.4
55°	408.0	366.5	362.9
57.5°	322.7	300.8	297.1
60°	263.0	252.1	248.4
62.5°	211.9	208.3	207.0
65°	176.6	176.6	176.6
67.5°	153.5	154.6	154.6
70°	141.2	142.5	141.2
72.5°	136.4	140.0	140.0
75°	132.7	135.1	130.3
77.5°	130.3	131.5	123.0
80°	129.1	127.9	112.0
82.5°	112.0	108.4	95.0
85°	102.3	77.9	65.8
87.5°	52.3	36.6	28.0
90°	0.0	0.0	0.0

(END OF REPORT)