

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: P148247

Luminaire Tested: **VXS-F05-LED-E1-5XQ-7060**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148247
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F05-LED-E1-5XQ-7060
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (35) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13470.1 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

Input Watts (W): 133.3
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



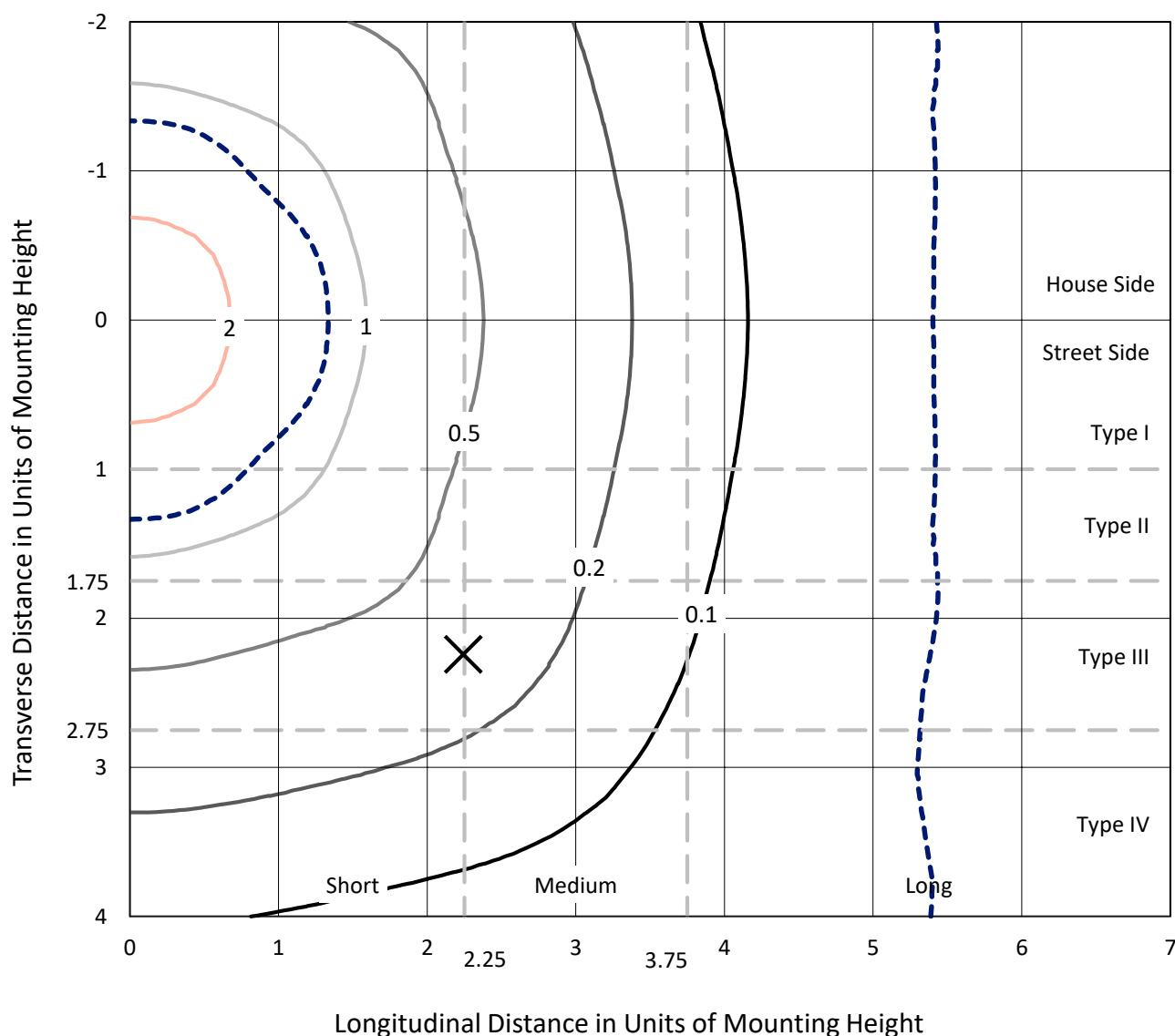
REPORT NUMBER: P148247

CATALOG NUMBER: VXS-F05-LED-E1-5XQ-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

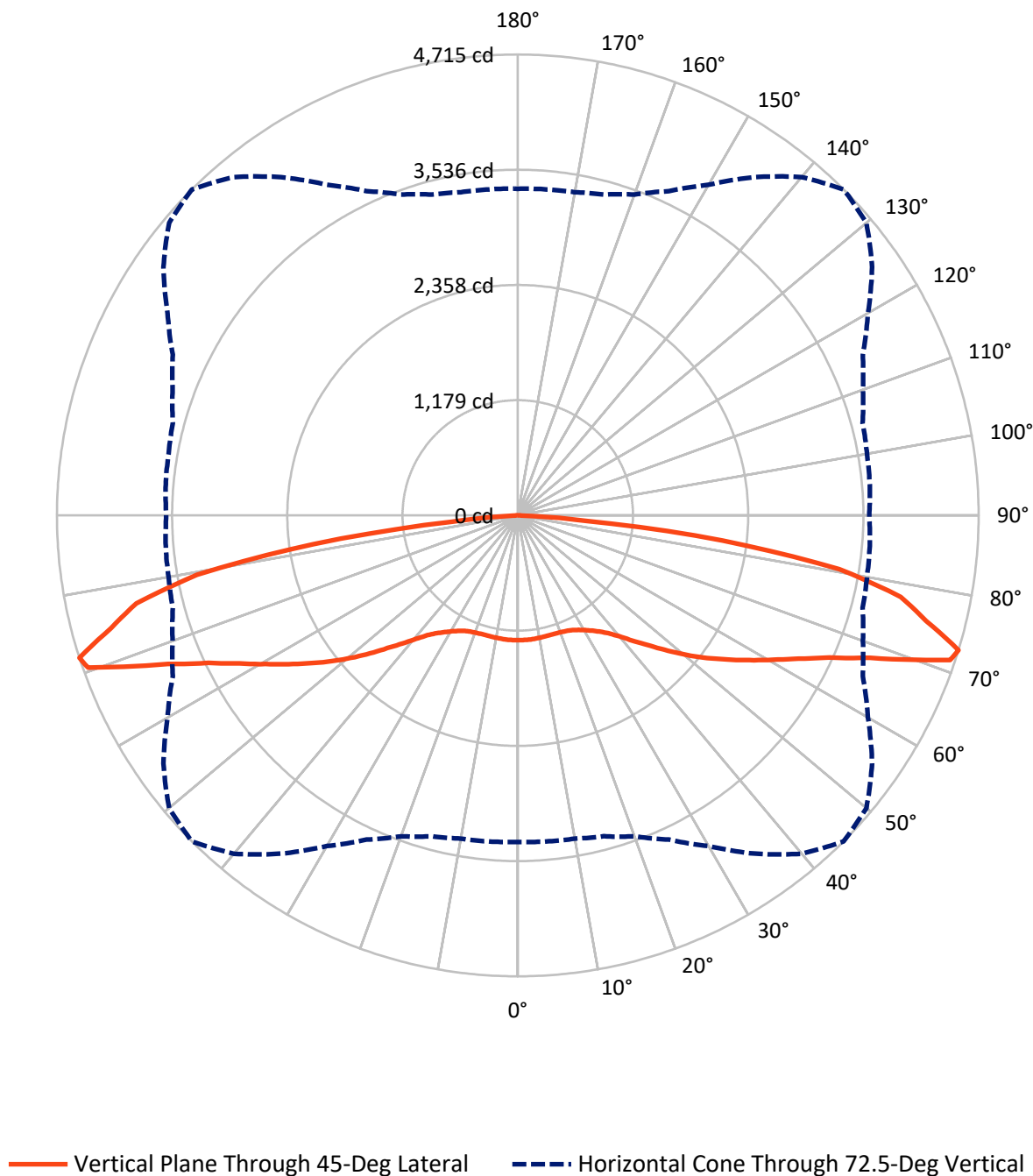


Based on 20 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P148247

CATALOG NUMBER: VXS-F05-LED-E1-5XQ-7060

Luminous Intensity Polar Plot



REPORT NUMBER: P148247

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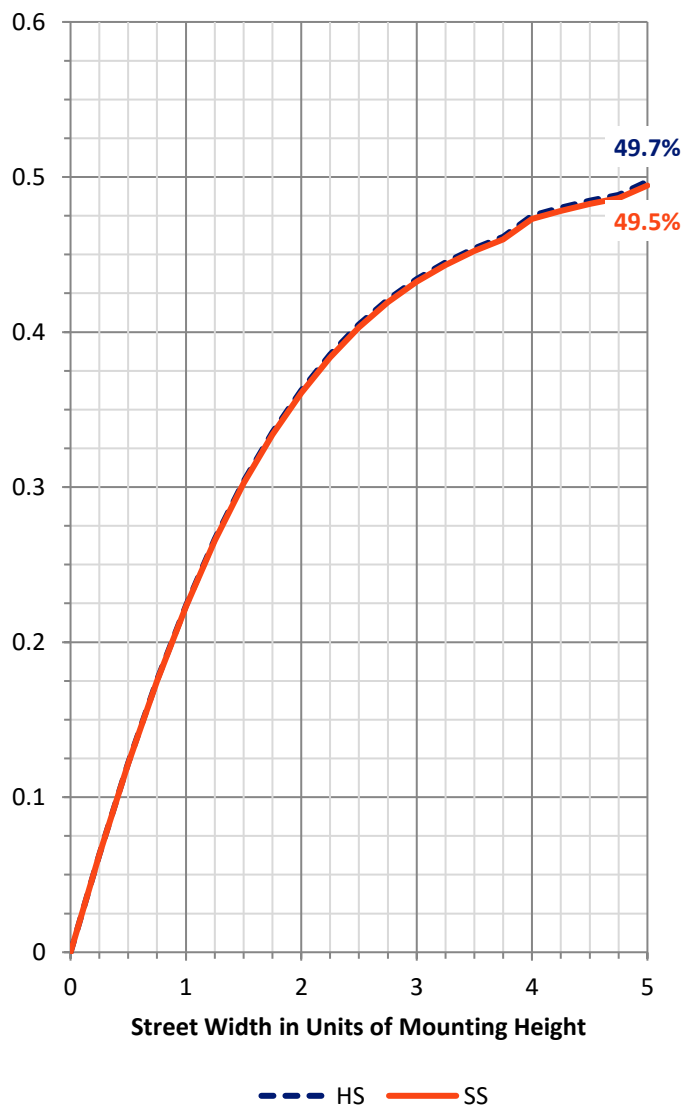
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6735.1	0.0	6735.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6735.1	0.0	6735.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	13470.1	0.0	13470.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.6	0.9
10°-20°	359.8	2.7
20°-30°	602.5	4.5
30°-40°	918.5	6.8
40°-50°	1466.7	10.9
50°-60°	2255.1	16.7
60°-70°	3283.5	24.4
70°-80°	3698.8	27.5
80°-90°	763.6	5.7
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°	13470.1	100.0
0°-180°	13470.1	100.0

Coefficient of Utilization



REPORT NUMBER: P148247

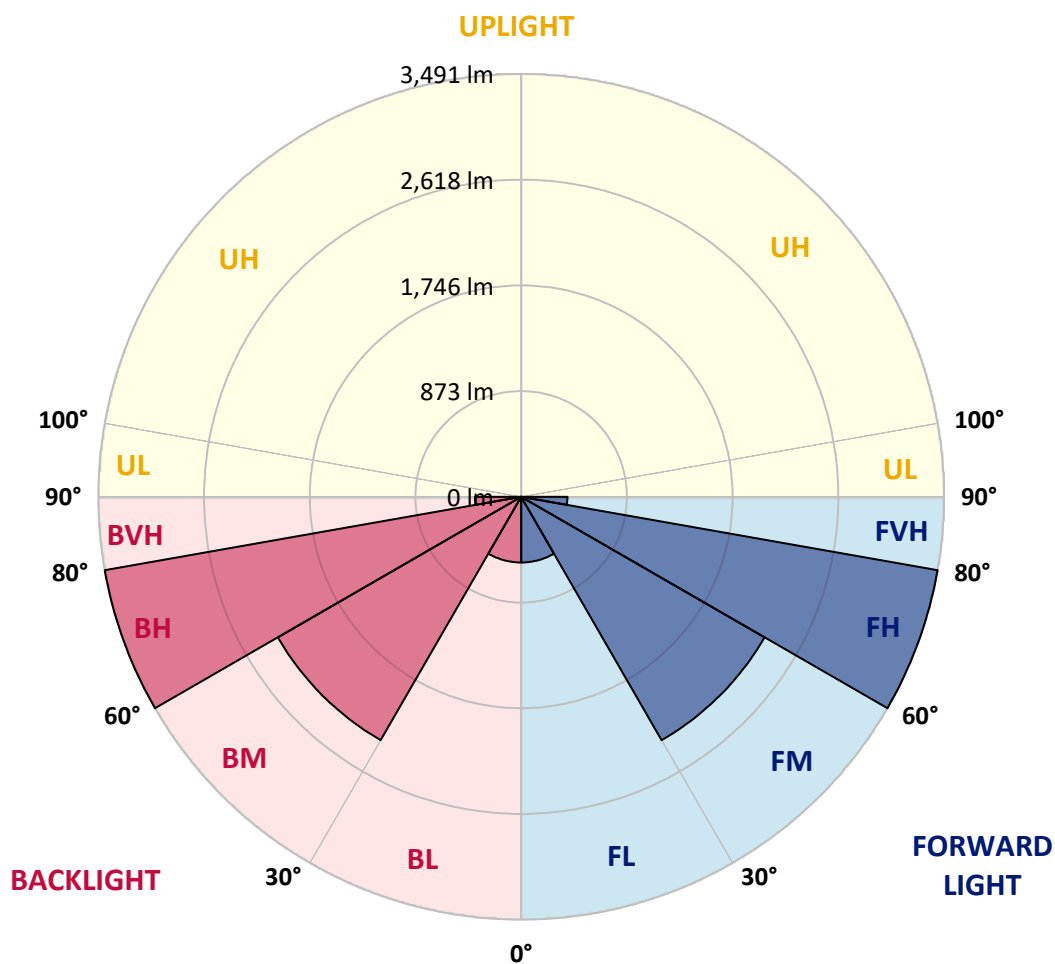
CATALOG NUMBER: VXS-F05-LED-E1-5XQ-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	542.0	4.0			
FM	(30°-60°)	2320.2	17.2			
FH	(60°-80°)	3491.1	25.9			G2/5000
FVH	(80°-90°)	381.8	2.8			G3/500
BL	(0°-30°)	542.0	4.0	B2/1000		
BM	(30°-60°)	2320.2	17.2	B2/2500		
BH	(60°-80°)	3491.1	25.9	B4/5000		G2/5000
BVH	(80°-90°)	381.8	2.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short



REPORT NUMBER: P148247

CATALOG NUMBER: VXS-F05-LED-E1-5XQ-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1276.3	1276.3	1276.3	1276.3	1276.3	1276.3	1276.3	1276.3	1276.3	1276.3	1276.3
2.5°	1278.3	1279.1	1278.7	1278.0	1278.3	1278.0	1277.3	1277.0	1274.5	1275.9	1278.0
5°	1278.3	1277.6	1277.3	1277.0	1277.0	1278.0	1277.0	1276.0	1275.5	1276.3	1275.2
7.5°	1277.7	1276.3	1275.5	1275.2	1275.5	1275.9	1274.8	1273.4	1274.5	1273.5	1272.0
10°	1275.5	1274.5	1274.8	1273.5	1273.8	1273.5	1272.0	1271.0	1271.7	1270.6	1268.8
12.5°	1276.3	1274.5	1274.2	1273.5	1273.1	1272.7	1271.0	1269.2	1269.6	1268.8	1267.0
15°	1276.3	1275.2	1274.8	1273.5	1273.2	1272.3	1270.3	1269.5	1269.5	1268.5	1266.4
17.5°	1277.0	1276.3	1276.3	1274.5	1273.8	1273.5	1271.0	1269.8	1271.0	1268.8	1267.4
20°	1279.2	1278.3	1278.8	1277.6	1276.3	1276.3	1274.5	1273.8	1274.1	1273.8	1269.8
22.5°	1283.3	1283.3	1284.0	1283.7	1283.3	1283.6	1282.3	1282.3	1282.6	1282.6	1279.4
25°	1295.3	1294.9	1295.6	1295.6	1296.1	1298.5	1297.4	1297.1	1298.9	1298.9	1295.6
27.5°	1317.9	1317.2	1317.9	1318.7	1320.4	1323.5	1322.9	1323.9	1326.7	1326.0	1323.2
30°	1344.0	1343.3	1345.1	1347.3	1348.6	1353.6	1351.4	1356.8	1359.2	1361.3	1359.2
32.5°	1382.2	1382.2	1385.3	1386.7	1389.9	1394.8	1395.5	1399.8	1403.0	1406.5	1404.0
35°	1433.0	1432.2	1434.7	1437.2	1441.0	1445.6	1447.5	1453.1	1458.0	1460.5	1456.0
37.5°	1510.7	1506.7	1511.3	1512.7	1516.0	1517.0	1521.9	1528.9	1534.3	1533.6	1530.4
40°	1615.8	1615.0	1613.4	1611.2	1616.2	1617.9	1617.9	1627.5	1635.9	1634.5	1634.1
42.5°	1738.7	1735.4	1733.4	1733.4	1736.2	1736.9	1747.8	1754.9	1760.8	1762.3	1760.8
45°	1870.7	1867.5	1868.2	1866.7	1867.8	1872.4	1878.8	1891.8	1903.1	1903.4	1897.4
47.5°	2012.5	2002.7	2010.4	1999.4	2006.1	2009.6	2025.5	2044.6	2064.5	2067.9	2062.6
50°	2156.5	2155.4	2154.7	2152.6	2155.9	2163.5	2183.0	2213.1	2232.1	2244.8	2236.3
52.5°	2314.0	2308.6	2306.2	2302.6	2305.8	2321.0	2348.2	2374.3	2408.5	2423.0	2411.4
55°	2467.2	2465.3	2456.2	2455.9	2462.6	2486.2	2515.9	2548.0	2585.0	2601.2	2597.0
57.5°	2624.5	2614.3	2611.4	2607.3	2620.6	2642.9	2679.3	2737.1	2775.5	2794.0	2783.3
60°	2778.4	2770.6	2764.7	2763.2	2772.4	2803.4	2855.8	2925.3	2972.8	2996.9	2979.9
62.5°	2943.6	2938.7	2931.6	2923.4	2942.9	2982.8	3047.7	3124.7	3194.9	3224.6	3198.8
65°	3149.0	3138.8	3131.0	3120.8	3136.7	3186.7	3268.3	3376.7	3470.9	3505.5	3487.2
67.5°	3365.7	3356.2	3356.9	3350.6	3378.8	3448.3	3553.5	3700.7	3827.0	3886.0	3851.4
70°	3554.8	3560.2	3561.6	3587.4	3636.1	3742.0	3917.0	4147.5	4339.2	4429.2	4392.1
71°	3499.2	3510.8	3528.7	3555.6	3639.6	3765.0	4003.8	4283.0	4511.7	4664.2	4613.1
72.5°	3341.0	3348.1	3357.3	3398.1	3493.2	3659.0	3905.1	4224.0	4518.1	4715.3	4656.1
75°	3112.3	3119.0	3122.2	3150.8	3237.2	3382.0	3607.2	3890.2	4149.6	4317.6	4301.0
77.5°	2767.2	2768.2	2792.8	2837.0	2934.1	3099.6	3336.8	3630.5	3874.3	4004.9	3922.0
80°	1987.2	1973.7	1999.1	2056.0	2176.0	2365.8	2608.7	2943.9	3214.6	3336.8	3208.3
82.5°	756.1	797.0	861.6	955.4	996.1	1207.0	1433.7	1630.7	1858.7	2113.5	2049.5
85°	81.2	91.4	114.7	142.3	179.7	248.5	343.4	468.7	577.8	679.1	602.8
87.5°	30.3	31.1	34.6	39.9	40.6	42.4	45.2	52.6	49.0	42.3	34.2
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: P148247

CATALOG NUMBER: VXS-F05-LED-E1-5XQ-7060

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1276.3	1276.3	1276.3	1276.3	1276.3	1276.3	1276.3	1276.3
2.5°	1276.3	1276.6	1276.3	1276.7	1276.6	1275.2	1275.5	1274.8
5°	1275.9	1274.8	1275.2	1275.5	1275.2	1275.9	1274.8	1275.5
7.5°	1274.2	1272.0	1272.7	1272.7	1272.0	1273.1	1272.4	1272.1
10°	1270.7	1267.8	1269.2	1268.5	1268.2	1268.5	1268.5	1268.5
12.5°	1267.5	1265.7	1266.0	1265.7	1265.3	1266.4	1266.0	1266.4
15°	1266.7	1263.9	1263.5	1262.8	1263.2	1263.9	1263.9	1265.0
17.5°	1266.0	1262.5	1262.2	1261.5	1261.8	1263.2	1263.5	1262.8
20°	1268.2	1265.3	1264.7	1263.9	1263.6	1265.4	1265.0	1265.0
22.5°	1278.0	1274.5	1274.1	1271.3	1270.3	1271.3	1270.7	1270.7
25°	1293.9	1289.7	1288.3	1284.4	1281.6	1281.6	1280.5	1279.8
27.5°	1322.5	1316.2	1314.7	1311.5	1307.7	1308.4	1306.2	1305.9
30°	1355.6	1350.1	1345.1	1340.5	1336.0	1334.1	1331.7	1331.4
32.5°	1399.2	1392.7	1386.7	1381.1	1374.7	1372.2	1368.0	1365.9
35°	1452.4	1443.9	1436.9	1433.0	1426.6	1423.4	1420.6	1423.8
37.5°	1526.8	1516.6	1513.1	1508.5	1504.2	1499.4	1500.4	1499.3
40°	1629.8	1620.7	1617.2	1609.1	1608.1	1602.4	1605.9	1602.4
42.5°	1757.3	1740.3	1737.9	1731.6	1729.4	1726.3	1727.7	1725.2
45°	1896.1	1880.8	1878.0	1867.8	1868.2	1860.7	1863.5	1863.6
47.5°	2052.0	2036.2	2023.1	2015.8	2012.8	2008.3	2010.8	2010.4
50°	2213.0	2191.5	2177.0	2162.5	2156.2	2157.9	2153.0	2161.5
52.5°	2385.9	2353.8	2333.4	2319.6	2307.6	2310.1	2310.7	2313.2
55°	2564.9	2523.9	2494.3	2476.3	2465.4	2466.1	2469.2	2472.0
57.5°	2744.9	2693.7	2653.5	2626.6	2619.6	2622.8	2622.8	2622.4
60°	2931.6	2870.2	2818.2	2788.0	2781.6	2779.8	2793.6	2789.0
62.5°	3132.0	3058.2	3004.7	2965.8	2956.7	2963.0	2975.3	2972.4
65°	3397.8	3295.8	3226.6	3188.2	3172.6	3179.1	3195.5	3194.8
67.5°	3740.5	3597.9	3506.5	3457.1	3445.8	3453.6	3462.8	3471.6
70°	4253.1	4049.3	3918.8	3811.8	3766.0	3757.1	3766.3	3766.6
71°	4433.4	4199.4	3991.5	3860.9	3785.7	3754.0	3756.5	3740.5
72.5°	4426.0	4137.6	3894.5	3757.8	3653.4	3628.0	3615.6	3596.5
75°	4127.8	3868.0	3656.9	3508.0	3407.4	3377.4	3355.4	3354.4
77.5°	3743.4	3551.7	3319.2	3161.3	3038.9	2989.1	2966.8	2966.2
80°	3009.2	2722.3	2552.1	2457.2	2309.3	2266.6	2221.5	2204.6
82.5°	1819.8	1422.0	1156.3	1027.5	956.2	787.5	706.5	668.4
85°	423.9	301.0	207.6	136.2	98.1	78.0	60.0	53.0
87.5°	28.6	22.6	20.1	16.2	12.3	12.0	7.5	6.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)