

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: P147200

Luminaire Tested: **VXS-E05-LED-E1-5MQ**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147200
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E05-LED-E1-5MQ
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (105) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16118.9 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 127.3
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



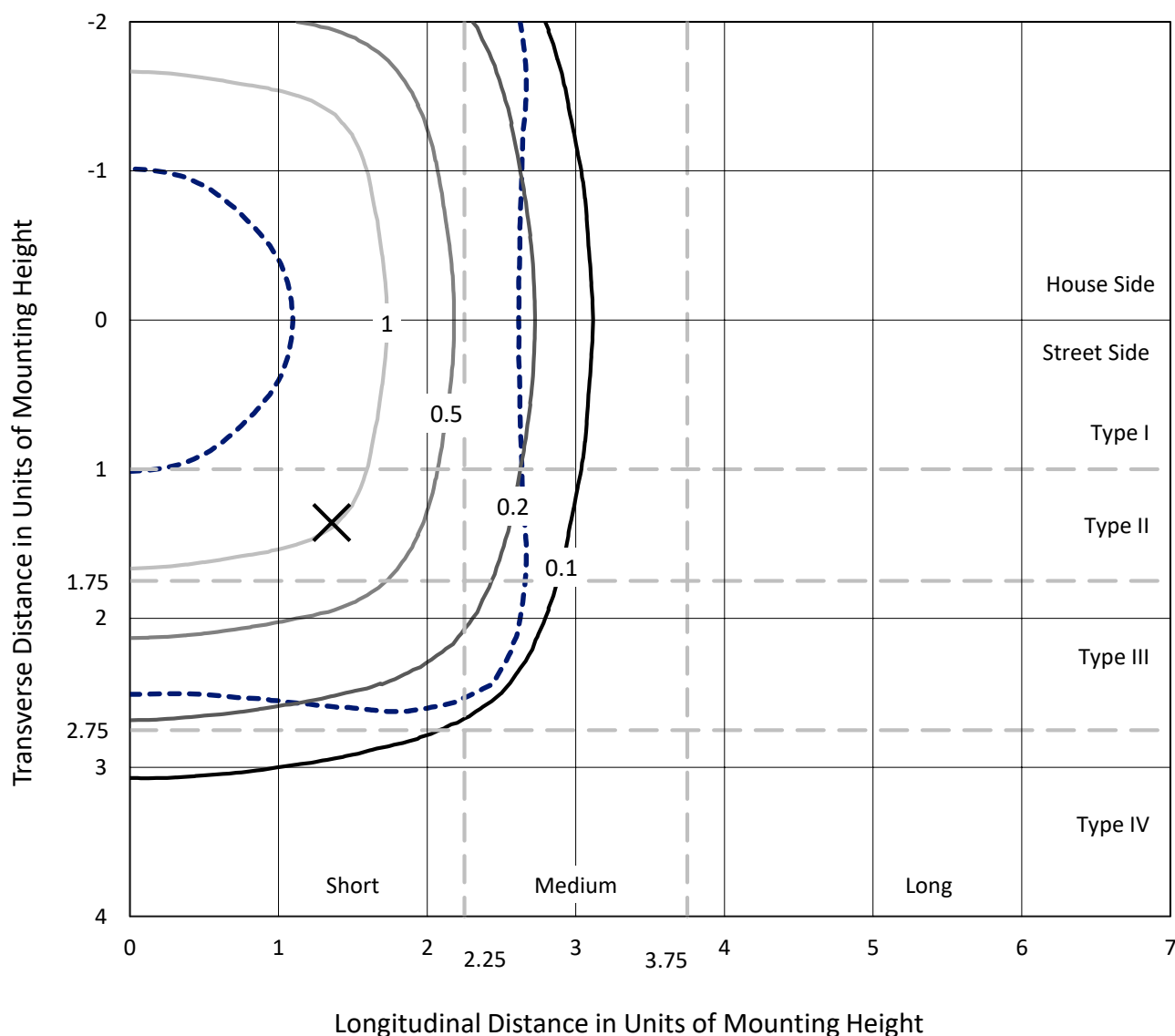
REPORT NUMBER: P147200

CATALOG NUMBER: VXS-E05-LED-E1-5MQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

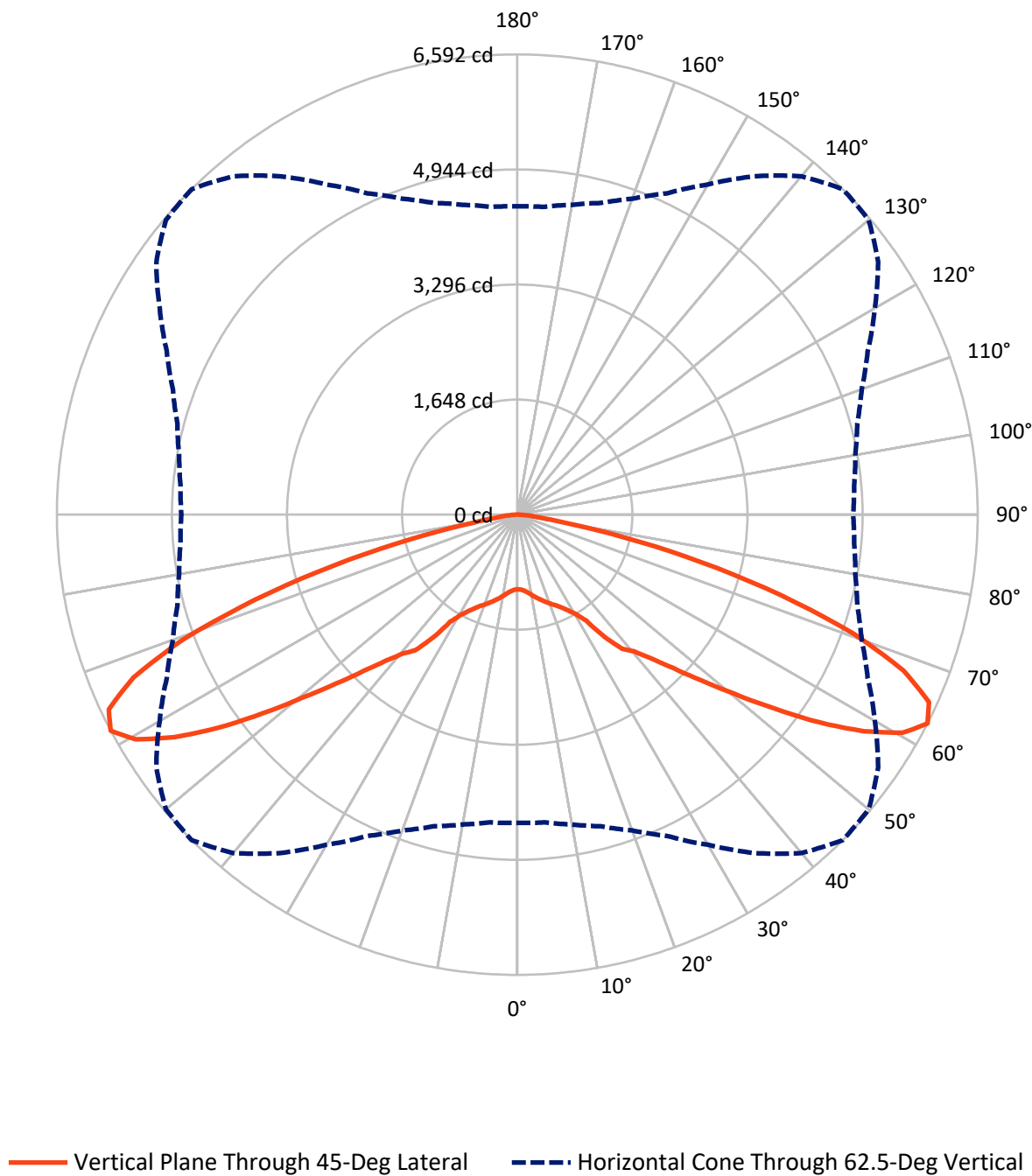


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P147200

CATALOG NUMBER: VXS-E05-LED-E1-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P147200

CATALOG NUMBER: VXS-E05-LED-E1-5MQ

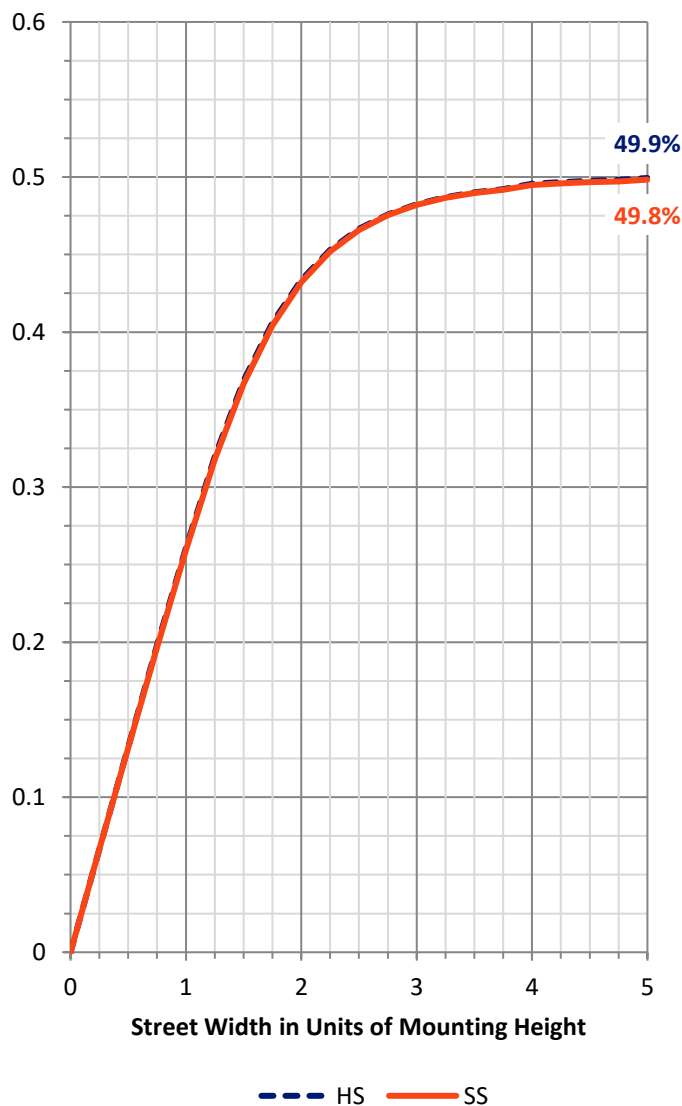
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8059.4	0.0	8059.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8059.4	0.0	8059.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	16118.9	0.0	16118.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	0.7
10°-20°	362.5	2.2
20°-30°	700.8	4.3
30°-40°	1356.9	8.4
40°-50°	2450.1	15.2
50°-60°	4260.4	26.4
60°-70°	4836.6	30.0
70°-80°	1875.1	11.6
80°-90°	169.2	1.0
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°	16118.9	100.0
0°-180°	16118.9	100.0

Coefficient of Utilization



REPORT NUMBER: P147200

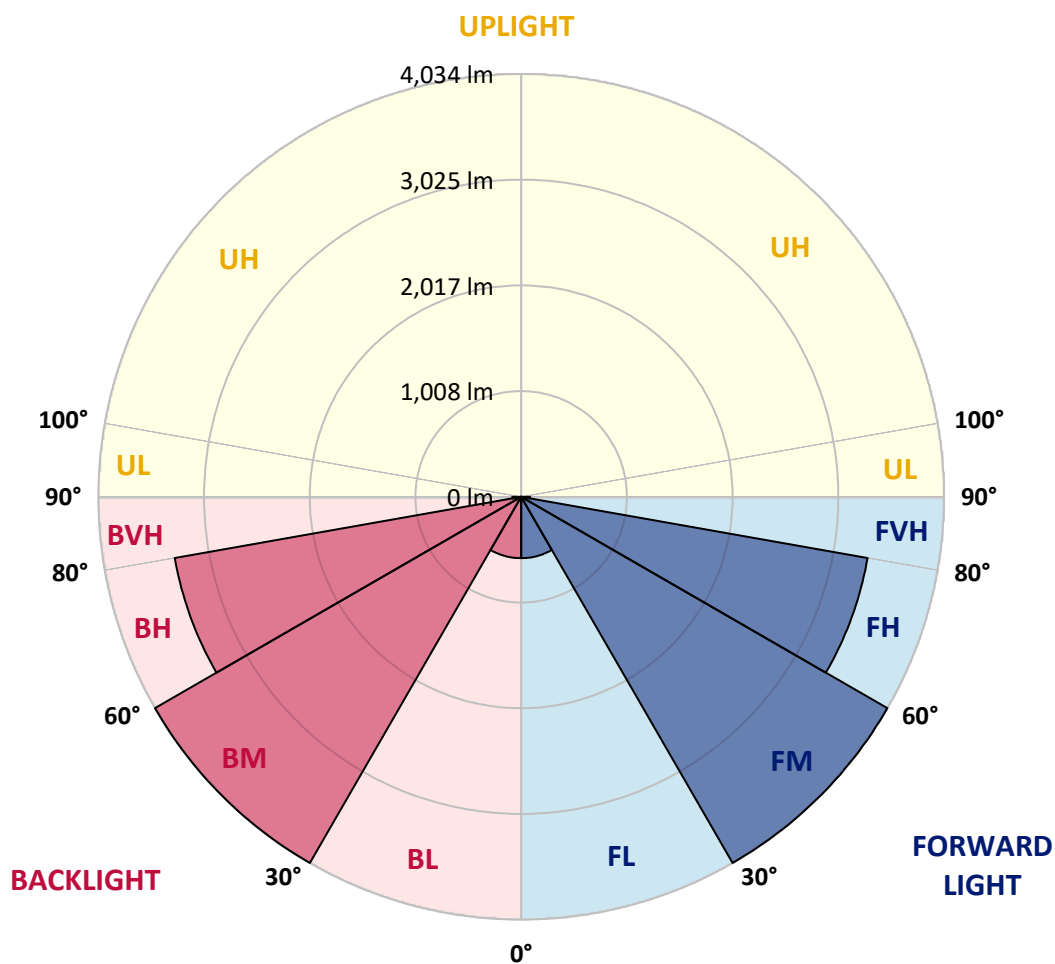
CATALOG NUMBER: VXS-E05-LED-E1-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	585.3	3.6			
FM	(30°-60°)	4033.7	25.0			
FH	(60°-80°)	3355.9	20.8			G2/5000
FVH	(80°-90°)	84.6	0.5			G1/100
BL	(0°-30°)	585.3	3.6	B2/1000		
BM	(30°-60°)	4033.7	25.0	B3/5000		
BH	(60°-80°)	3355.9	20.8	B4/5000		G2/5000
BVH	(80°-90°)	84.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



REPORT NUMBER: P147200

CATALOG NUMBER: VXS-E05-LED-E1-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1
2.5°	1076.7	1080.0	1079.2	1077.5	1077.5	1077.5	1076.7	1074.2	1073.4	1075.0	1076.7
5°	1101.7	1101.7	1101.7	1101.7	1100.0	1100.0	1098.3	1096.6	1097.5	1095.9	1095.0
7.5°	1140.0	1137.5	1137.5	1136.7	1136.7	1134.9	1132.4	1129.1	1129.9	1129.1	1128.3
10°	1185.1	1185.9	1183.4	1185.9	1181.7	1180.8	1177.5	1175.8	1174.9	1172.4	1172.5
12.5°	1239.2	1236.7	1236.7	1235.0	1233.4	1231.7	1226.7	1225.9	1222.6	1220.8	1218.3
15°	1289.9	1289.2	1285.8	1282.5	1281.7	1280.0	1274.2	1270.9	1270.1	1265.8	1262.5
17.5°	1340.8	1339.2	1335.0	1333.4	1329.9	1327.6	1322.5	1317.5	1315.0	1313.4	1309.2
20°	1395.0	1393.4	1389.2	1385.8	1381.8	1378.3	1370.8	1366.6	1364.1	1361.8	1358.3
22.5°	1462.5	1459.2	1452.4	1446.6	1437.5	1434.2	1424.2	1418.3	1414.2	1410.8	1409.1
25°	1535.9	1536.7	1527.5	1520.0	1509.2	1500.0	1487.5	1480.8	1476.7	1473.4	1472.5
27.5°	1627.6	1628.4	1620.0	1609.1	1592.5	1582.5	1565.8	1557.5	1555.0	1551.7	1550.9
30°	1772.4	1765.0	1750.9	1733.3	1718.3	1696.7	1672.5	1664.2	1655.8	1653.3	1653.3
32.5°	2039.2	2035.0	2023.3	1980.0	1960.0	1915.0	1872.5	1848.3	1820.8	1807.5	1799.2
35°	2225.9	2224.1	2214.9	2200.0	2187.6	2178.3	2153.4	2149.2	2144.1	2144.1	2150.9
37.5°	2363.3	2353.4	2351.7	2354.2	2350.9	2352.5	2372.4	2400.0	2423.3	2435.0	2433.4
40°	2566.6	2552.5	2560.8	2555.0	2547.6	2545.9	2552.5	2563.3	2574.2	2574.2	2571.6
42.5°	2832.5	2839.2	2842.5	2818.3	2802.5	2798.3	2814.1	2810.8	2821.7	2817.5	2806.6
45°	3227.5	3223.3	3217.5	3188.4	3163.3	3143.3	3147.6	3141.7	3142.6	3135.9	3127.5
47.5°	3625.8	3640.0	3615.9	3601.7	3573.3	3559.2	3570.8	3560.8	3580.0	3545.1	3528.3
50°	4012.5	4022.5	4014.2	3994.2	3994.2	4014.2	4028.4	4046.6	4073.4	4033.4	3973.4
52.5°	4329.1	4337.5	4350.1	4366.6	4407.5	4449.9	4510.1	4574.2	4625.0	4617.5	4549.2
55°	4522.5	4532.4	4553.4	4610.8	4684.1	4795.9	4931.7	5080.8	5197.5	5254.2	5204.1
57.5°	4587.5	4595.0	4651.6	4720.8	4835.0	5000.8	5228.4	5485.8	5710.1	5852.5	5830.1
60°	4572.5	4572.4	4630.1	4725.0	4885.0	5105.0	5426.7	5783.4	6126.6	6340.0	6308.4
62.5°	4415.0	4423.3	4505.8	4620.0	4813.4	5076.7	5460.0	5915.9	6326.6	6591.7	6565.8
65°	4070.1	4075.9	4165.0	4300.8	4516.7	4828.4	5247.5	5752.5	6223.3	6478.3	6430.1
67.5°	3512.5	3518.3	3590.9	3744.2	3972.4	4298.3	4750.8	5306.7	5767.5	5969.1	5824.1
70°	2794.2	2810.8	2857.5	3020.0	3193.4	3512.5	3929.1	4485.0	4920.0	5110.9	4950.9
72.5°	1904.1	1946.7	2003.3	2147.5	2313.4	2578.3	2909.9	3378.2	3727.5	3948.4	3805.9
75°	1072.5	1132.5	1150.1	1259.2	1395.9	1605.0	1847.5	2183.4	2535.9	2715.0	2543.3
77.5°	463.3	512.5	534.1	585.0	691.6	779.1	926.6	1153.4	1425.8	1551.7	1345.9
80°	228.4	240.0	249.1	265.0	295.0	323.3	393.4	492.4	604.1	632.4	503.4
82.5°	176.6	185.1	200.8	213.3	220.8	228.4	235.0	248.3	259.2	265.0	249.9
85°	124.1	135.0	152.4	166.6	174.9	180.8	186.6	190.9	180.8	165.0	173.3
87.5°	32.5	42.5	59.2	64.2	72.5	76.7	75.0	77.5	70.1	50.8	56.7
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: P147200

CATALOG NUMBER: VXS-E05-LED-E1-5MQ

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1
2.5°	1075.9	1075.0	1075.9	1075.9	1075.9	1075.0	1075.0	1075.0
5°	1095.0	1094.9	1095.8	1094.2	1094.2	1094.9	1094.1	1093.4
7.5°	1127.6	1126.6	1126.6	1125.8	1126.6	1125.8	1125.8	1125.0
10°	1170.8	1169.1	1169.9	1167.5	1167.5	1166.6	1166.6	1166.6
12.5°	1217.5	1214.9	1215.9	1213.3	1209.1	1209.9	1210.8	1209.9
15°	1262.6	1260.0	1257.5	1255.8	1253.4	1254.2	1254.1	1253.4
17.5°	1308.4	1303.3	1302.5	1300.0	1299.2	1299.2	1299.2	1300.0
20°	1355.9	1352.5	1351.7	1349.1	1348.3	1350.9	1351.7	1350.1
22.5°	1406.6	1405.0	1406.6	1405.0	1407.5	1409.1	1409.9	1408.3
25°	1470.9	1469.2	1471.7	1477.5	1480.8	1482.5	1486.6	1485.0
27.5°	1553.3	1551.7	1557.4	1565.8	1570.8	1579.2	1583.3	1585.0
30°	1660.0	1667.6	1670.9	1687.5	1690.8	1704.1	1704.2	1710.1
32.5°	1815.0	1829.2	1854.2	1880.0	1915.9	1941.7	1941.7	1955.0
35°	2155.0	2160.8	2180.0	2184.1	2191.7	2200.0	2191.7	2198.3
37.5°	2415.9	2390.1	2371.6	2345.9	2329.9	2329.9	2331.6	2330.1
40°	2549.2	2539.2	2530.8	2509.2	2505.8	2505.0	2505.1	2508.3
42.5°	2787.6	2763.3	2750.1	2731.6	2725.8	2724.1	2723.3	2725.0
45°	3097.5	3058.3	3022.6	3004.1	2988.3	2973.3	2978.3	2978.3
47.5°	3458.3	3397.5	3339.2	3307.5	3280.0	3267.5	3259.2	3256.7
50°	3897.5	3812.5	3737.4	3678.3	3638.3	3637.5	3641.7	3615.0
52.5°	4435.9	4301.7	4208.3	4128.3	4090.9	4086.6	4073.4	4058.3
55°	5032.5	4873.4	4719.2	4633.4	4584.1	4557.5	4541.7	4516.7
57.5°	5647.5	5433.4	5211.6	5074.2	4987.6	4927.5	4895.8	4881.7
60°	6121.7	5829.2	5536.6	5315.9	5171.6	5082.5	5027.5	5005.0
62.5°	6308.3	5911.7	5536.7	5246.6	5038.3	4915.0	4840.8	4808.3
65°	6085.8	5615.9	5189.1	4869.2	4636.7	4499.2	4418.3	4383.3
67.5°	5464.2	5049.1	4585.0	4266.7	4027.5	3891.6	3804.1	3778.3
70°	4580.8	4156.7	3713.4	3429.2	3215.8	3105.1	3014.1	3003.3
72.5°	3442.5	3076.7	2696.7	2461.7	2289.9	2106.7	2060.0	2083.3
75°	2206.6	1864.1	1525.8	1314.2	1157.5	982.5	915.0	931.7
77.5°	1045.0	809.1	584.1	451.6	379.2	324.1	310.1	301.7
80°	387.6	314.2	277.5	263.3	253.4	244.1	237.5	230.1
82.5°	250.8	245.0	237.5	235.0	227.5	215.8	194.2	185.0
85°	187.6	187.6	177.5	178.3	172.4	157.5	137.5	126.6
87.5°	55.0	49.1	45.0	41.7	40.8	36.7	26.6	23.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)