

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: P153318

Luminaire Tested: **VXS-E05-LED-E1-SLR-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153318
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
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-SLR-8030
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (105) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11741.8 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

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



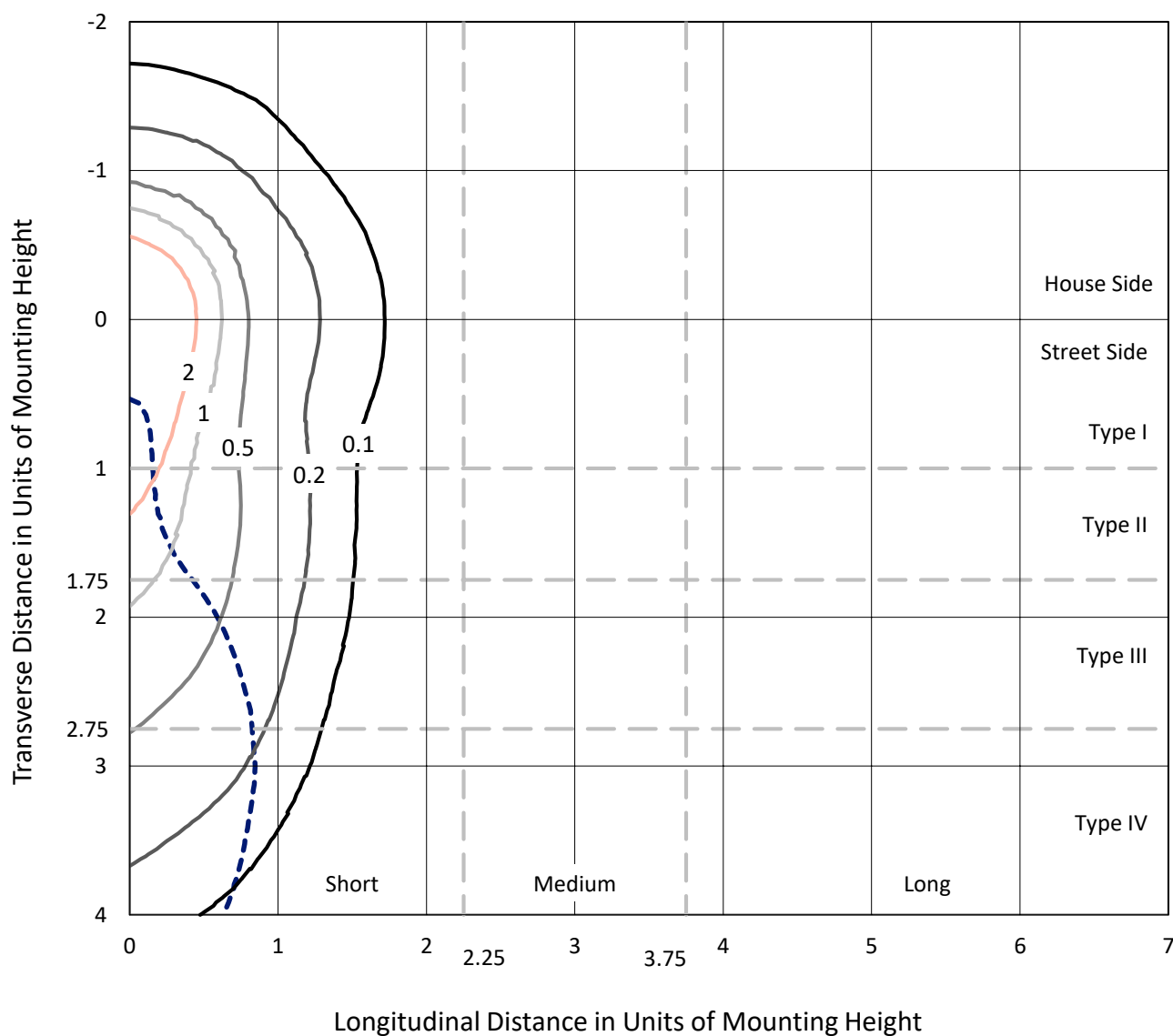
REPORT NUMBER: P153318

CATALOG NUMBER: VXS-E05-LED-E1-SLR-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

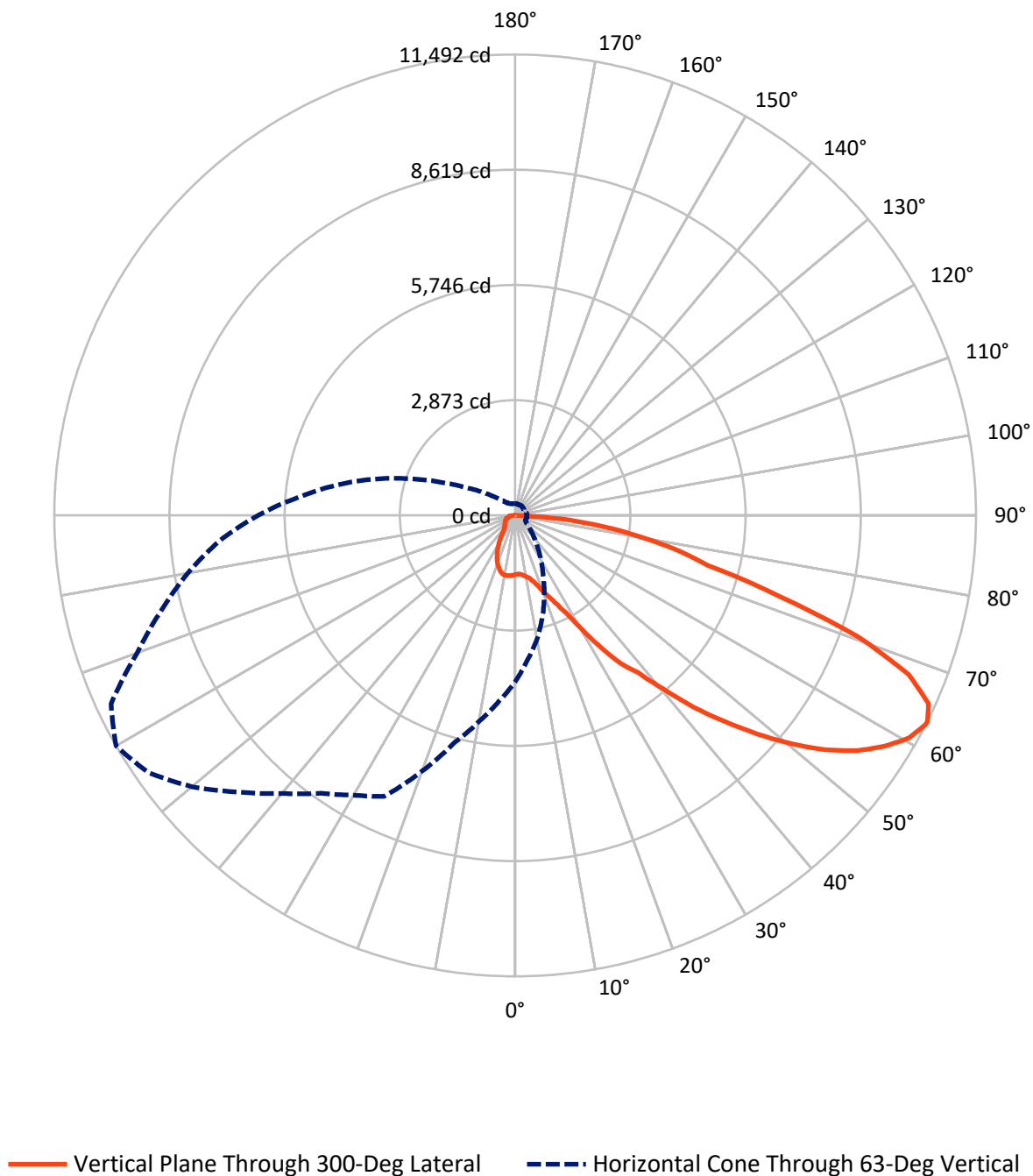


Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
Type IV - Short - Non-Cutoff

REPORT NUMBER: P153318

CATALOG NUMBER: VXS-E05-LED-E1-SLR-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P153318

CATALOG NUMBER: VXS-E05-LED-E1-SLR-8030

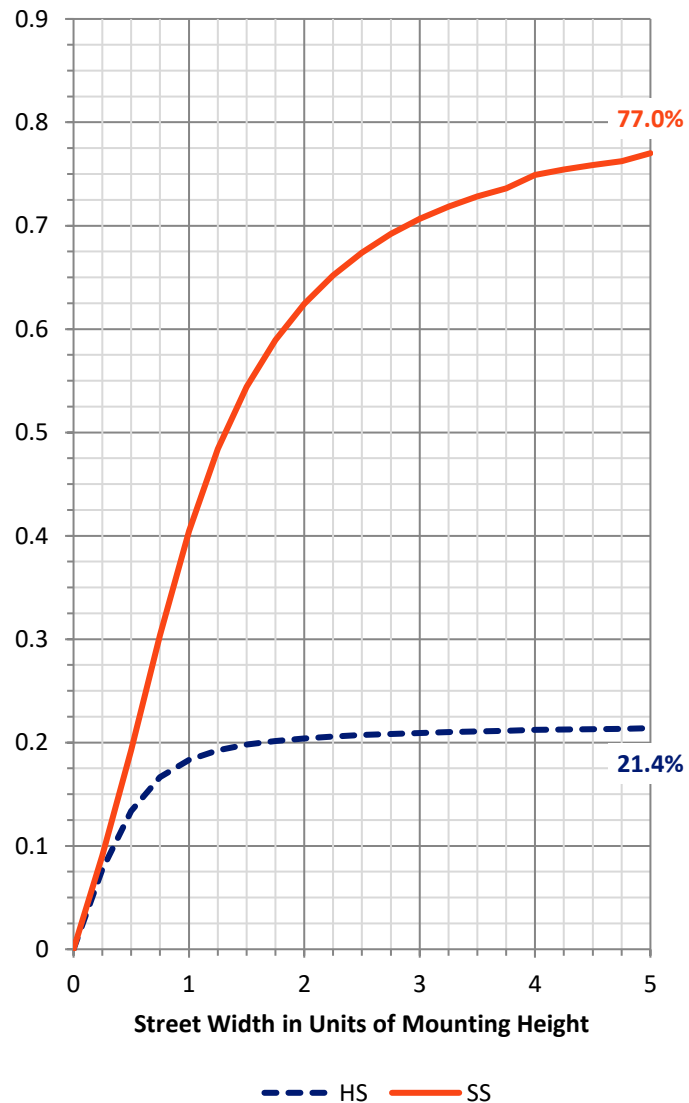
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2546.2	0.0	2546.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	9195.7	0.0	9195.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	11741.8	0.0	11741.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.6	1.2
10°-20°	447.4	3.8
20°-30°	794.8	6.8
30°-40°	1251.5	10.7
40°-50°	1841.9	15.7
50°-60°	2446.5	20.8
60°-70°	2694.8	23.0
70°-80°	1690.7	14.4
80°-90°	430.6	3.7
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°	11741.8	100.0
0°-180°	11741.8	100.0

Coefficient of Utilization



REPORT NUMBER: P153318

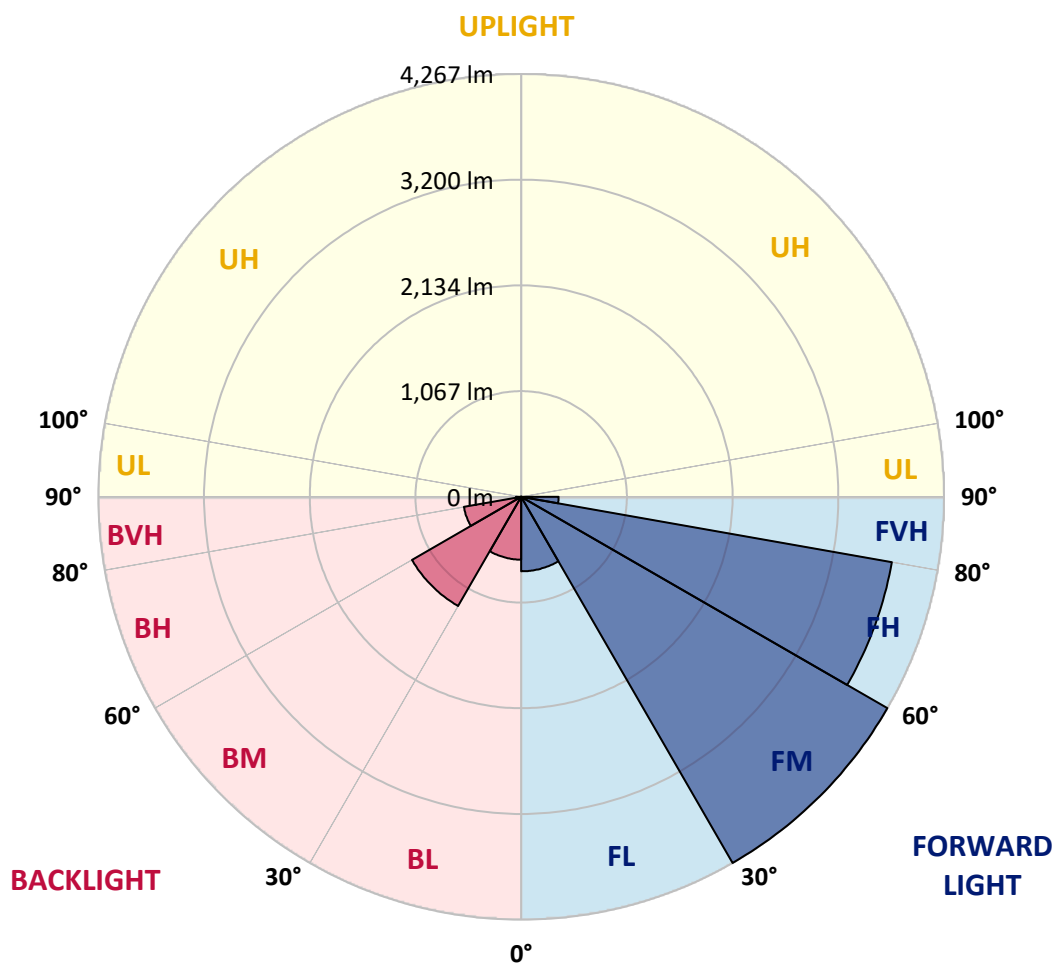
CATALOG NUMBER: VXS-E05-LED-E1-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	751.8	6.4			
FM	(30°-60°)	4267.3	36.3			
FH	(60°-80°)	3798.7	32.4			G2/5000
FVH	(80°-90°)	377.9	3.2			G3/500
BL	(0°-30°)	633.9	5.4	B2/1000		
BM	(30°-60°)	1272.6	10.8	B2/2500		
BH	(60°-80°)	586.9	5.0	B2/1000		G2/1000
BVH	(80°-90°)	52.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



REPORT NUMBER: P153318

CATALOG NUMBER: VXS-E05-LED-E1-SLR-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5
2.5°	1455.9	1460.1	1458.7	1458.7	1461.6	1460.1	1460.1	1461.6	1461.6	1465.7	1471.4
5°	1444.7	1443.2	1440.4	1443.2	1443.2	1443.2	1437.6	1441.9	1443.2	1446.0	1446.0
7.5°	1458.7	1454.5	1448.8	1450.3	1450.3	1447.5	1443.2	1444.7	1443.2	1443.2	1441.9
10°	1477.0	1467.2	1460.1	1460.1	1460.1	1457.3	1450.3	1454.5	1454.5	1453.1	1454.5
12.5°	1509.3	1498.1	1489.6	1486.8	1486.8	1482.6	1477.0	1482.6	1479.8	1479.8	1477.0
15°	1562.8	1550.2	1540.3	1531.8	1533.3	1533.3	1526.2	1522.0	1516.4	1509.3	1495.2
17.5°	1643.0	1628.9	1616.3	1609.2	1610.6	1600.7	1581.0	1561.3	1534.6	1508.0	1478.3
20°	1756.9	1752.6	1735.9	1728.8	1711.9	1688.0	1633.2	1586.7	1534.6	1484.0	1433.4
22.5°	1953.9	1934.2	1917.3	1890.6	1834.3	1768.2	1676.7	1595.1	1513.6	1441.9	1374.3
25°	2218.2	2183.1	2100.1	2018.5	1903.2	1785.1	1661.2	1555.8	1454.5	1360.2	1277.2
27.5°	2478.5	2371.6	2223.9	2076.3	1907.5	1752.6	1597.9	1472.7	1354.6	1251.9	1160.5
30°	2793.6	2613.6	2387.0	2153.6	1914.4	1706.2	1520.6	1374.3	1237.8	1129.5	1033.9
32.5°	3089.0	2828.8	2532.0	2225.3	1929.9	1662.7	1432.0	1266.0	1125.3	988.9	894.6
35°	3291.6	2954.0	2593.9	2232.3	1891.9	1579.7	1320.8	1125.3	984.7	858.0	746.9
37.5°	3412.5	3008.8	2596.7	2181.8	1803.3	1467.2	1180.2	986.1	856.7	735.6	648.5
40°	3488.5	3021.5	2560.1	2108.6	1690.8	1325.1	1039.5	865.1	746.9	649.8	582.4
42.5°	3525.1	3001.8	2501.0	2015.8	1576.9	1198.4	941.0	776.5	673.8	604.9	554.2
45°	3530.7	2966.6	2437.7	1931.3	1475.5	1107.0	873.6	739.9	655.5	597.8	547.2
47.5°	3530.7	2935.6	2387.0	1869.4	1409.4	1067.7	867.9	755.3	672.3	607.7	547.2
50°	3533.5	2925.8	2366.0	1838.4	1386.9	1088.7	915.8	803.2	708.9	624.6	545.8
52.5°	3546.2	2938.4	2382.9	1862.4	1427.8	1173.2	1005.8	874.9	756.8	644.2	545.8
55°	3574.3	2980.7	2454.6	1945.4	1537.5	1301.1	1114.1	952.3	794.7	652.6	537.3
57.5°	3653.1	3087.6	2585.4	2105.8	1724.6	1448.8	1212.5	1007.2	808.8	645.7	520.4
60°	3810.6	3300.0	2809.1	2330.8	1922.9	1575.4	1270.2	1015.6	796.2	623.1	493.8
62.5°	4062.4	3543.3	3080.5	2575.5	2098.8	1645.8	1277.2	994.5	762.4	582.4	454.3
63°	4149.6	3603.8	3138.2	2622.0	2121.2	1651.4	1271.6	986.1	754.0	571.1	448.7
65°	4393.0	3858.4	3338.0	2785.2	2184.6	1652.8	1240.6	943.8	714.6	527.5	409.3
67.5°	4847.4	4193.3	3589.7	2913.2	2207.0	1607.8	1161.9	865.1	631.6	460.0	360.1
70°	5134.3	4380.3	3686.8	2916.0	2140.9	1479.8	1025.5	737.1	526.1	381.2	309.4
72.5°	5059.7	4196.1	3430.8	2653.0	1855.3	1236.5	824.2	579.6	410.8	305.3	257.4
75°	4333.9	3492.7	2799.3	2055.1	1402.4	908.7	603.4	413.6	303.8	239.2	215.2
77.5°	3120.0	2513.7	2007.3	1464.4	945.3	588.0	400.9	295.4	230.7	196.9	177.2
80°	1987.6	1474.2	1228.0	880.5	552.8	364.4	275.8	223.6	189.9	164.6	151.9
82.5°	1038.1	727.3	590.8	450.2	306.6	240.5	202.6	182.9	156.2	136.5	129.4
85°	647.0	429.0	317.9	222.3	153.4	137.8	126.6	123.8	111.1	98.4	94.2
87.5°	73.2	66.1	68.9	43.6	32.3	35.1	33.8	45.0	43.6	32.3	33.8
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: P153318

CATALOG NUMBER: VXS-E05-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5
2.5°	1465.7	1468.5	1468.5	1472.7	1472.7	1475.5	1478.3	1478.3	1481.2	1482.6	1485.4
5°	1448.8	1448.8	1448.8	1454.5	1455.9	1464.4	1467.2	1469.9	1472.7	1482.6	1488.2
7.5°	1444.7	1439.0	1441.9	1441.9	1446.0	1453.1	1460.1	1464.4	1468.5	1481.2	1489.6
10°	1453.1	1448.8	1444.7	1444.7	1446.0	1448.8	1454.5	1458.7	1461.6	1474.2	1481.2
12.5°	1475.5	1465.7	1457.3	1450.3	1444.7	1443.2	1440.4	1441.9	1444.7	1451.7	1461.6
15°	1479.8	1461.6	1443.2	1425.0	1410.9	1402.4	1395.4	1392.5	1392.5	1396.8	1408.1
17.5°	1451.7	1420.7	1394.0	1370.1	1354.6	1339.2	1332.1	1326.4	1323.6	1329.3	1330.7
20°	1391.2	1354.6	1318.0	1289.9	1261.8	1257.5	1246.3	1249.1	1251.9	1260.3	1264.6
22.5°	1308.2	1264.6	1219.6	1190.1	1167.6	1147.9	1135.1	1140.8	1145.0	1153.5	1157.7
25°	1206.9	1143.6	1095.8	1066.2	1042.3	1025.5	1011.4	1017.0	1011.4	1021.2	1036.7
27.5°	1087.4	1012.7	962.2	928.4	911.5	897.4	883.4	883.4	897.4	897.4	910.1
30°	942.5	887.6	821.5	786.3	765.2	756.8	755.3	752.5	762.4	768.1	782.1
32.5°	806.0	738.4	675.2	641.5	623.1	613.3	614.7	616.1	620.3	628.8	651.3
35°	668.2	609.1	564.0	526.1	507.8	489.5	489.5	486.7	490.9	500.7	527.5
37.5°	579.6	527.5	492.3	462.8	444.5	433.3	423.4	419.2	419.2	423.4	433.3
40°	530.3	492.3	460.0	434.6	417.8	408.0	402.3	398.0	395.2	395.2	396.7
42.5°	507.8	468.4	436.1	413.6	400.9	395.2	393.9	392.4	388.2	386.8	385.4
45°	496.6	451.5	414.9	396.7	386.8	384.0	385.4	385.4	384.0	381.2	375.5
47.5°	488.1	436.1	399.5	382.6	378.3	378.3	378.3	378.3	377.0	375.5	371.4
50°	474.1	412.1	372.7	360.1	357.3	357.3	358.7	358.7	361.6	358.7	355.9
52.5°	458.5	389.6	350.3	339.0	337.6	336.2	336.2	336.2	337.6	337.6	336.2
55°	441.7	372.7	339.0	330.6	332.0	330.6	329.1	327.8	327.8	326.3	323.5
57.5°	424.8	358.7	330.6	325.0	326.3	326.3	323.5	320.7	319.3	315.1	312.2
60°	399.5	339.0	313.7	310.9	315.1	315.1	315.1	313.7	313.7	312.2	305.3
62.5°	365.7	310.9	291.2	292.5	294.0	296.8	296.8	296.8	296.8	294.0	286.9
63°	358.7	305.3	286.9	286.9	291.2	291.2	292.5	291.2	292.5	289.7	281.3
65°	330.6	286.9	272.8	274.3	277.1	277.1	277.1	275.8	275.8	271.5	267.3
67.5°	298.2	264.5	256.1	257.4	258.9	261.7	260.2	260.2	261.7	258.9	254.6
70°	261.7	240.5	234.9	236.3	237.7	237.7	236.3	236.3	237.7	234.9	230.7
72.5°	233.5	225.1	220.8	220.8	218.0	218.0	215.2	213.8	212.4	212.4	208.2
75°	196.9	195.5	196.9	199.8	196.9	194.1	192.7	188.5	185.7	185.7	184.2
77.5°	168.8	168.8	171.6	175.9	177.2	177.2	173.1	166.0	164.6	164.6	164.6
80°	146.3	143.5	143.5	147.7	151.9	150.5	143.5	136.5	136.5	143.5	144.9
82.5°	128.0	128.0	123.8	125.2	123.8	122.4	115.3	111.1	109.7	115.3	120.9
85°	101.2	102.7	101.2	99.9	98.4	94.2	88.6	84.4	83.0	88.6	97.1
87.5°	40.8	39.4	38.0	39.4	38.0	40.8	39.4	36.6	35.1	39.4	47.9
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: P153318

CATALOG NUMBER: VXS-E05-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5
2.5°	1486.8	1489.6	1492.4	1492.4	1495.2	1493.9	1495.2	1496.7	1496.7	1498.1	1498.1
5°	1495.2	1499.5	1505.1	1510.8	1512.1	1516.4	1520.6	1517.8	1522.0	1527.7	1527.7
7.5°	1498.1	1508.0	1512.1	1520.6	1522.0	1527.7	1537.5	1530.5	1538.9	1543.1	1544.5
10°	1493.9	1503.7	1510.8	1520.6	1524.8	1534.6	1544.5	1541.7	1551.5	1558.5	1560.0
12.5°	1468.5	1478.3	1493.9	1508.0	1519.2	1534.6	1553.0	1547.4	1561.3	1569.8	1574.1
15°	1419.3	1429.1	1446.0	1468.5	1489.6	1513.6	1537.5	1541.7	1555.8	1565.6	1569.8
17.5°	1342.0	1354.6	1372.8	1396.8	1423.5	1464.4	1495.2	1510.8	1530.5	1536.1	1543.1
20°	1270.2	1282.9	1294.1	1308.2	1327.9	1367.3	1408.1	1439.0	1464.4	1485.4	1491.1
22.5°	1174.5	1185.8	1199.9	1211.1	1225.2	1253.4	1287.0	1322.3	1361.7	1374.3	1388.4
25°	1059.2	1066.2	1085.9	1093.0	1102.8	1126.7	1153.5	1178.8	1216.8	1243.5	1250.5
27.5°	935.4	942.5	960.7	965.0	977.6	1000.1	1019.8	1029.6	1064.9	1093.0	1115.4
30°	791.9	810.3	832.7	835.5	849.6	863.7	882.0	891.8	924.1	953.7	981.9
32.5°	668.2	686.4	704.8	716.0	723.0	734.3	752.5	762.4	793.4	820.1	848.2
35°	541.6	564.0	583.7	599.3	604.9	619.0	633.0	642.8	675.2	699.1	718.8
37.5°	445.9	462.8	483.9	499.4	514.8	524.7	541.6	555.6	575.3	588.0	609.1
40°	399.5	408.0	419.2	431.8	444.5	455.8	468.4	479.7	492.3	509.2	523.3
42.5°	384.0	385.4	385.4	389.6	396.7	402.3	413.6	422.0	430.5	443.1	450.2
45°	372.7	371.4	368.5	365.7	367.2	369.9	377.0	382.6	392.4	398.0	399.5
47.5°	367.2	361.6	355.9	351.7	350.3	351.7	357.3	362.9	368.5	372.7	374.2
50°	348.8	344.7	336.2	330.6	327.8	330.6	337.6	340.4	346.0	350.3	351.7
52.5°	330.6	325.0	319.3	313.7	313.7	315.1	320.7	326.3	332.0	333.4	336.2
55°	319.3	310.9	305.3	301.0	298.2	302.4	306.6	313.7	320.7	322.1	325.0
57.5°	308.1	299.6	294.0	289.7	286.9	291.2	295.4	305.3	313.7	313.7	313.7
60°	301.0	294.0	285.6	281.3	277.1	281.3	286.9	296.8	305.3	303.8	302.4
62.5°	281.3	274.3	270.1	270.1	265.9	272.8	278.5	289.7	291.2	288.4	285.6
63°	275.8	270.1	267.3	267.3	264.5	271.5	277.1	286.9	286.9	284.1	281.3
65°	261.7	257.4	254.6	257.4	257.4	264.5	265.9	272.8	271.5	267.3	265.9
67.5°	250.4	247.6	244.8	244.8	244.8	246.1	247.6	250.4	249.0	247.6	249.0
70°	232.1	230.7	227.9	227.9	226.4	226.4	226.4	227.9	227.9	229.3	230.7
72.5°	209.6	206.7	206.7	208.2	205.4	206.7	208.2	206.7	209.6	209.6	211.0
75°	184.2	182.9	185.7	188.5	187.0	187.0	188.5	188.5	189.9	189.9	191.3
77.5°	164.6	166.0	167.4	170.2	171.6	171.6	171.6	170.2	171.6	171.6	173.1
80°	146.3	149.1	151.9	154.7	156.2	156.2	156.2	154.7	154.7	154.7	154.7
82.5°	132.2	136.5	139.3	140.6	140.6	140.6	140.6	140.6	140.6	137.8	135.0
85°	111.1	119.6	119.6	120.9	116.8	114.0	111.1	112.5	114.0	108.3	106.9
87.5°	56.3	56.3	59.1	61.9	63.3	63.3	71.7	67.6	66.1	64.7	61.9
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: P153318

CATALOG NUMBER: VXS-E05-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5
2.5°	1499.5	1498.1	1500.9	1498.1	1499.5	1500.9	1498.1	1502.3	1505.1	1500.9	1496.7
5°	1530.5	1530.5	1537.5	1540.3	1541.7	1550.2	1545.9	1548.7	1551.5	1550.2	1551.5
7.5°	1550.2	1555.8	1562.8	1569.8	1571.2	1578.2	1576.9	1581.0	1583.9	1590.9	1590.9
10°	1567.0	1574.1	1583.9	1590.9	1597.9	1603.6	1606.4	1614.8	1616.3	1621.9	1621.9
12.5°	1582.5	1590.9	1600.7	1612.0	1619.1	1630.3	1631.7	1644.4	1648.6	1650.1	1645.8
15°	1579.7	1589.5	1600.7	1613.5	1626.1	1640.2	1648.6	1661.2	1668.3	1671.1	1664.0
17.5°	1553.0	1561.3	1575.4	1592.3	1607.8	1626.1	1641.6	1659.9	1671.1	1673.9	1672.5
20°	1500.9	1506.5	1524.8	1547.4	1565.6	1593.8	1616.3	1644.4	1662.7	1676.7	1680.9
22.5°	1398.2	1412.2	1430.6	1455.9	1482.6	1517.8	1550.2	1590.9	1630.3	1664.0	1697.8
25°	1274.4	1299.8	1327.9	1361.7	1394.0	1430.6	1467.2	1513.6	1571.2	1641.6	1721.8
27.5°	1149.2	1192.8	1228.0	1271.6	1309.6	1346.1	1386.9	1437.6	1500.9	1585.3	1688.0
30°	1022.6	1071.9	1109.8	1160.5	1211.1	1260.3	1301.1	1354.6	1416.5	1502.3	1614.8
32.5°	887.6	936.8	981.9	1028.3	1084.6	1143.6	1192.8	1259.0	1325.1	1413.7	1527.7
35°	748.3	791.9	829.9	879.2	941.0	1004.4	1069.0	1145.0	1216.8	1309.6	1430.6
37.5°	627.4	658.3	694.9	738.4	786.3	853.9	926.9	1017.0	1098.5	1199.9	1323.6
40°	527.5	544.4	565.5	602.1	645.7	711.8	783.5	879.2	977.6	1088.7	1208.3
42.5°	450.2	458.5	464.1	488.1	523.3	588.0	656.9	749.7	858.0	979.1	1100.0
45°	399.5	403.7	405.1	417.8	443.1	499.4	571.1	649.8	754.0	872.1	998.8
47.5°	375.5	379.8	382.6	385.4	400.9	444.5	509.2	583.7	679.4	787.8	917.1
50°	355.9	360.1	364.4	362.9	369.9	398.0	453.0	521.9	611.9	711.8	839.8
52.5°	336.2	339.0	339.0	339.0	343.2	361.6	400.9	464.1	547.2	641.5	768.1
55°	325.0	327.8	329.1	330.6	332.0	341.9	371.4	422.0	493.8	580.9	694.9
57.5°	313.7	315.1	317.9	319.3	322.1	327.8	346.0	382.6	443.1	516.3	611.9
60°	303.8	306.6	312.2	313.7	316.5	317.9	326.3	348.8	388.2	444.5	521.9
62.5°	288.4	292.5	298.2	299.6	302.4	303.8	305.3	317.9	336.2	369.9	427.7
63°	284.1	288.4	295.4	296.8	298.2	298.2	299.6	308.1	325.0	354.5	396.7
65°	268.7	274.3	278.5	279.9	281.3	281.3	279.9	282.7	284.1	296.8	322.1
67.5°	251.8	256.1	258.9	260.2	258.9	260.2	258.9	256.1	253.2	256.1	267.3
70°	234.9	237.7	237.7	239.2	240.5	242.0	239.2	236.3	233.5	232.1	239.2
72.5°	215.2	218.0	218.0	219.5	219.5	222.3	222.3	220.8	220.8	222.3	223.6
75°	195.5	198.3	196.9	199.8	199.8	203.9	203.9	205.4	208.2	206.7	205.4
77.5°	177.2	178.7	178.7	180.0	181.5	188.5	192.7	194.1	194.1	191.3	188.5
80°	157.5	157.5	154.7	153.4	154.7	161.8	170.2	171.6	175.9	174.4	175.9
82.5°	132.2	126.6	122.4	122.4	125.2	129.4	132.2	135.0	137.8	137.8	140.6
85°	101.2	95.6	91.4	92.8	97.1	98.4	97.1	97.1	102.7	106.9	102.7
87.5°	60.5	54.8	52.0	47.9	49.2	53.5	52.0	47.9	49.2	39.4	36.6
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: P153318

CATALOG NUMBER: VXS-E05-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5
2.5°	1499.5	1498.1	1495.2	1491.1	1489.6	1486.8	1488.2	1484.0	1481.2	1478.3	1474.2
5°	1551.5	1551.5	1543.1	1543.1	1538.9	1537.5	1527.7	1523.4	1514.9	1517.8	1508.0
7.5°	1588.1	1592.3	1582.5	1581.0	1575.4	1574.1	1561.3	1557.2	1550.2	1547.4	1538.9
10°	1614.8	1614.8	1602.2	1592.3	1585.3	1578.2	1565.6	1560.0	1554.3	1555.8	1550.2
12.5°	1636.0	1626.1	1607.8	1593.8	1583.9	1576.9	1567.0	1562.8	1561.3	1571.2	1572.6
15°	1652.8	1638.8	1616.3	1606.4	1597.9	1596.6	1596.6	1600.7	1610.6	1628.9	1643.0
17.5°	1662.7	1654.2	1643.0	1640.2	1654.2	1662.7	1673.9	1686.5	1700.6	1726.0	1741.5
20°	1680.9	1686.5	1695.0	1706.2	1728.8	1749.8	1763.9	1782.2	1799.1	1830.1	1855.3
22.5°	1728.8	1761.1	1787.9	1810.4	1844.1	1873.7	1891.9	1917.3	1929.9	1951.0	1990.4
25°	1790.7	1856.8	1913.1	1960.8	2013.0	2043.8	2069.2	2101.6	2121.2	2156.4	2191.6
27.5°	1772.3	1866.6	1951.0	2039.7	2111.4	2191.6	2247.9	2301.2	2335.0	2387.0	2433.5
30°	1716.2	1828.6	1942.6	2059.4	2173.3	2288.6	2395.5	2492.5	2567.2	2641.7	2717.6
32.5°	1640.2	1769.5	1908.8	2052.3	2201.5	2361.8	2509.4	2655.8	2779.6	2887.9	2993.4
35°	1553.0	1699.3	1844.1	2021.3	2205.6	2409.6	2614.9	2817.5	3006.0	3197.3	3326.7
37.5°	1448.8	1597.9	1759.7	1963.7	2180.3	2432.1	2693.8	2958.2	3225.5	3482.9	3706.5
40°	1337.7	1489.6	1659.9	1880.7	2125.5	2418.0	2744.4	3100.3	3467.4	3840.2	4137.0
42.5°	1239.3	1395.4	1581.0	1804.8	2070.6	2399.8	2785.2	3222.6	3671.4	4132.7	4568.8
45°	1143.6	1315.2	1510.8	1751.3	2046.6	2413.8	2845.7	3336.6	3854.2	4414.1	4945.8
47.5°	1057.8	1232.2	1422.2	1685.2	2011.5	2420.8	2904.8	3450.5	4027.3	4633.5	5265.1
50°	980.4	1149.2	1336.3	1600.7	1956.7	2416.6	2958.2	3553.2	4176.4	4806.5	5511.3
52.5°	904.5	1076.1	1267.4	1519.2	1889.1	2392.7	2983.5	3637.6	4314.2	4980.9	5709.6
55°	829.9	998.8	1191.4	1441.9	1800.5	2330.8	2980.7	3692.4	4423.9	5145.5	5900.9
57.5°	742.7	903.1	1091.6	1356.1	1706.2	2235.1	2938.4	3717.8	4518.1	5308.7	6130.2
60°	634.4	784.9	966.3	1230.8	1582.5	2112.7	2849.8	3703.7	4573.1	5429.6	6325.7
62.5°	500.7	631.6	797.6	1056.4	1427.8	1937.0	2683.9	3575.8	4485.8	5412.7	6417.1
63°	472.6	596.4	758.1	1014.2	1361.7	1889.1	2634.6	3525.1	4443.6	5377.6	6404.5
65°	379.8	460.0	589.4	818.7	1139.4	1654.2	2389.9	3264.9	4217.1	5130.1	6221.7
67.5°	291.2	332.0	400.9	561.2	806.0	1301.1	1935.5	2766.8	3660.1	4518.1	5632.2
70°	249.0	267.3	296.8	372.7	512.0	821.5	1358.9	2063.5	2837.2	3581.3	4582.9
72.5°	226.4	234.9	250.4	282.7	351.7	492.3	866.5	1343.3	1929.9	2553.1	3326.7
75°	208.2	215.2	227.9	244.8	270.1	327.8	493.8	821.5	1254.7	1676.7	2245.0
77.5°	189.9	194.1	208.2	223.6	240.5	270.1	326.3	472.6	721.7	988.9	1353.2
80°	174.4	171.6	181.5	206.7	223.6	240.5	257.4	306.6	410.8	541.6	731.5
82.5°	139.3	142.1	150.5	175.9	182.9	178.7	181.5	189.9	229.3	250.4	374.2
85°	94.2	87.3	85.8	88.6	88.6	84.4	84.4	83.0	91.4	104.0	178.7
87.5°	25.3	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P153318
CATALOG NUMBER: VXS-E05-LED-E1-SLR-8030

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	0°
2.5°	1471.4	1469.9	1471.4	1464.4	1464.4	1462.9	1461.6	1458.7	1458.7	1453.1	1457.3	2.5°
5°	1499.5	1496.7	1491.1	1482.6	1478.3	1472.7	1472.7	1467.2	1462.9	1457.3	1458.7	5°
7.5°	1531.8	1533.3	1523.4	1516.4	1513.6	1508.0	1509.3	1500.9	1502.3	1498.1	1495.2	7.5°
10°	1550.2	1550.2	1553.0	1551.5	1554.3	1554.3	1558.5	1553.0	1550.2	1545.9	1545.9	10°
12.5°	1579.7	1585.3	1596.6	1596.6	1605.0	1607.8	1609.2	1612.0	1606.4	1603.6	1593.8	12.5°
15°	1652.8	1666.8	1676.7	1690.8	1707.7	1713.3	1713.3	1707.7	1704.9	1700.6	1682.4	15°
17.5°	1773.8	1804.8	1813.2	1835.6	1838.4	1845.5	1865.2	1854.0	1846.9	1817.4	1811.8	17.5°
20°	1897.6	1937.0	1976.4	2004.5	2018.5	2046.6	2050.9	2045.3	2017.1	1989.0	1976.4	20°
22.5°	2046.6	2105.8	2150.8	2194.4	2215.4	2229.5	2260.5	2253.5	2231.0	2188.7	2171.9	22.5°
25°	2257.7	2330.8	2378.7	2432.1	2460.2	2474.3	2505.3	2505.3	2481.3	2468.7	2467.3	25°
27.5°	2523.5	2613.6	2692.3	2710.6	2783.7	2800.6	2830.2	2830.2	2807.7	2792.2	2866.7	27.5°
30°	2819.0	2913.2	3049.6	3141.0	3229.6	3316.9	3315.4	3321.1	3347.9	3361.9	3394.3	30°
32.5°	3114.3	3231.1	3376.0	3574.3	3764.2	3926.0	4135.5	4269.2	4228.4	4114.4	4069.4	32.5°
35°	3473.1	3602.4	3778.2	3978.0	4325.5	4535.0	4636.4	4708.1	4716.5	4732.0	4764.4	35°
37.5°	3872.5	4089.1	4293.1	4519.6	4712.3	4966.8	5201.8	5390.3	5433.9	5522.5	5471.9	37.5°
40°	4377.5	4619.5	4833.3	5125.8	5384.7	5691.3	6027.5	6286.3	6390.5	6356.7	6103.4	40°
42.5°	4906.4	5206.0	5456.4	5801.0	6137.2	6542.4	6889.7	7251.3	7316.0	7055.8	6677.4	42.5°
45°	5393.1	5764.5	6075.3	6434.0	6844.8	7330.1	7794.3	8165.6	8153.0	7707.0	7200.6	45°
47.5°	5830.6	6286.3	6666.1	7133.2	7574.8	8153.0	8686.1	8960.4	8798.7	8271.1	7650.8	47.5°
50°	6192.1	6760.4	7228.8	7701.5	8262.7	8959.0	9472.4	9627.2	9314.8	8740.9	8088.3	50°
52.5°	6483.2	7196.5	7722.5	8266.8	8975.9	9708.7	10150.4	10092.7	9689.0	9099.6	8449.7	52.5°
55°	6729.4	7529.8	8157.2	8800.0	9679.2	10354.4	10648.4	10493.6	9929.5	9331.7	8697.3	55°
57.5°	6984.0	7853.4	8556.7	9302.2	10281.2	10860.7	11023.9	10706.0	10043.5	9420.3	8804.2	57.5°
60°	7238.7	8123.4	8909.7	9741.0	10737.0	11274.3	11229.3	10753.9	10009.7	9355.6	8732.5	60°
62.5°	7410.3	8283.7	9115.1	10011.1	11078.8	11485.3	11209.6	10583.6	9814.2	9101.0	8518.7	62.5°
63°	7414.5	8289.4	9127.8	10029.4	11116.8	11492.3	11171.6	10523.1	9752.3	9049.0	8455.3	63°
65°	7325.8	8183.9	9015.2	9946.4	11084.5	11330.6	10843.8	10165.9	9399.3	8688.9	8126.2	65°
67.5°	6872.8	7747.9	8482.1	9359.9	10504.9	10575.2	9966.1	9419.0	8729.6	7994.0	7406.0	67.5°
70°	5960.0	6687.3	7407.5	8140.3	9101.0	9088.4	8515.9	8237.3	7633.9	6795.5	6324.4	70°
72.5°	4740.4	5393.1	5899.5	6390.5	7023.4	6895.4	6526.8	6604.2	6213.2	5587.3	5307.3	72.5°
75°	3519.5	4236.8	4484.5	4684.1	4951.4	4952.8	5054.1	5273.6	5267.9	4920.5	4567.4	75°
77.5°	2308.3	3093.3	3176.3	3336.6	3657.3	4093.4	4543.5	5027.4	5148.4	4874.1	4352.2	77.5°
80°	1287.0	2102.9	2007.3	2145.2	2491.2	3083.4	3747.4	4281.9	4596.9	4443.6	3890.8	80°
82.5°	658.3	1212.5	1159.1	1350.4	1630.3	2145.2	2584.0	2994.7	3366.1	3345.0	3135.4	82.5°
85°	341.9	663.9	755.3	855.2	996.0	1180.2	1346.1	1465.7	1620.4	1893.4	1986.2	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	0.0	101.2	73.2	201.1	286.9	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°

NUMBER: P153318

NUMBER: VXS-E05-LED-E1-SLR-8030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1475.5	1475.5	1475.5	1475.5	1475.5	1475.5	1475.5
1458.7	1460.1	1457.3	1457.3	1458.7	1458.7	1455.9
1455.9	1455.9	1453.1	1450.3	1447.5	1447.5	1444.7
1488.2	1488.2	1478.3	1474.2	1467.2	1461.6	1458.7
1536.1	1527.7	1516.4	1508.0	1496.7	1484.0	1477.0
1583.9	1571.2	1557.2	1544.5	1530.5	1516.4	1509.3
1662.7	1645.8	1627.5	1612.0	1592.3	1571.2	1562.8
1783.6	1756.9	1733.0	1710.5	1675.3	1659.9	1643.0
1944.0	1904.6	1873.7	1835.6	1792.1	1778.0	1756.9
2138.1	2104.4	2042.5	2014.3	1970.7	1949.6	1953.9
2433.5	2389.9	2318.1	2291.4	2287.3	2240.8	2218.2
2819.0	2821.8	2755.6	2683.9	2644.5	2571.4	2478.5
3367.6	3329.5	3252.2	3179.1	3086.2	2948.3	2793.6
4031.5	3947.0	3819.1	3682.6	3518.0	3305.6	3089.0
4679.9	4532.2	4328.3	4100.4	3862.7	3598.2	3291.6
5249.6	5020.3	4715.1	4453.5	4117.3	3786.7	3412.5
5770.1	5485.9	5092.1	4753.1	4356.4	3931.6	3488.5
6273.7	5913.6	5431.1	4972.5	4523.8	4028.6	3525.1
6753.4	6289.1	5716.6	5170.9	4646.2	4091.9	3530.7
7121.9	6615.4	5972.6	5314.3	4730.6	4139.8	3530.7
7463.7	6891.2	6168.2	5426.8	4809.3	4172.1	3533.5
7729.5	7085.3	6294.7	5507.0	4871.2	4196.1	3546.2
7922.3	7211.9	6379.2	5556.3	4916.3	4229.8	3574.3
8057.3	7294.9	6425.6	5599.9	4971.1	4288.9	3653.1
8122.0	7448.2	6502.9	5687.0	5065.4	4414.1	3810.6
8072.7	7685.9	6723.8	5834.8	5196.2	4609.6	4062.4
8051.7	7729.5	6784.2	5867.2	5225.7	4651.8	4149.6
7887.0	7773.2	7033.3	6030.4	5366.4	4838.9	4393.0
7376.5	7601.6	7242.8	6306.0	5668.8	5293.3	4847.4
6715.3	7346.9	7204.9	6341.1	5861.6	5666.0	5134.3
5923.4	6577.5	6445.3	5872.7	5649.1	5670.3	5059.7
4661.7	5152.5	5065.4	4864.2	4909.2	5063.9	4333.9
3734.6	3668.5	3467.4	3481.5	3741.7	3923.1	3120.0
3051.0	2470.1	2208.4	2215.4	2669.8	2858.3	1987.6
2903.3	2336.5	1903.2	1662.7	1942.6	1870.9	1038.1
2067.8	2072.0	1719.0	1396.8	1353.2	1150.7	647.0
489.5	392.4	279.9	208.2	219.5	144.9	73.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)