

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: P153315

Luminaire Tested: **VXS-F04-LED-E1-SLR**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153315
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-F04-LED-E1-SLR
Description: VISION SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (28) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9187.9 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 102.2
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



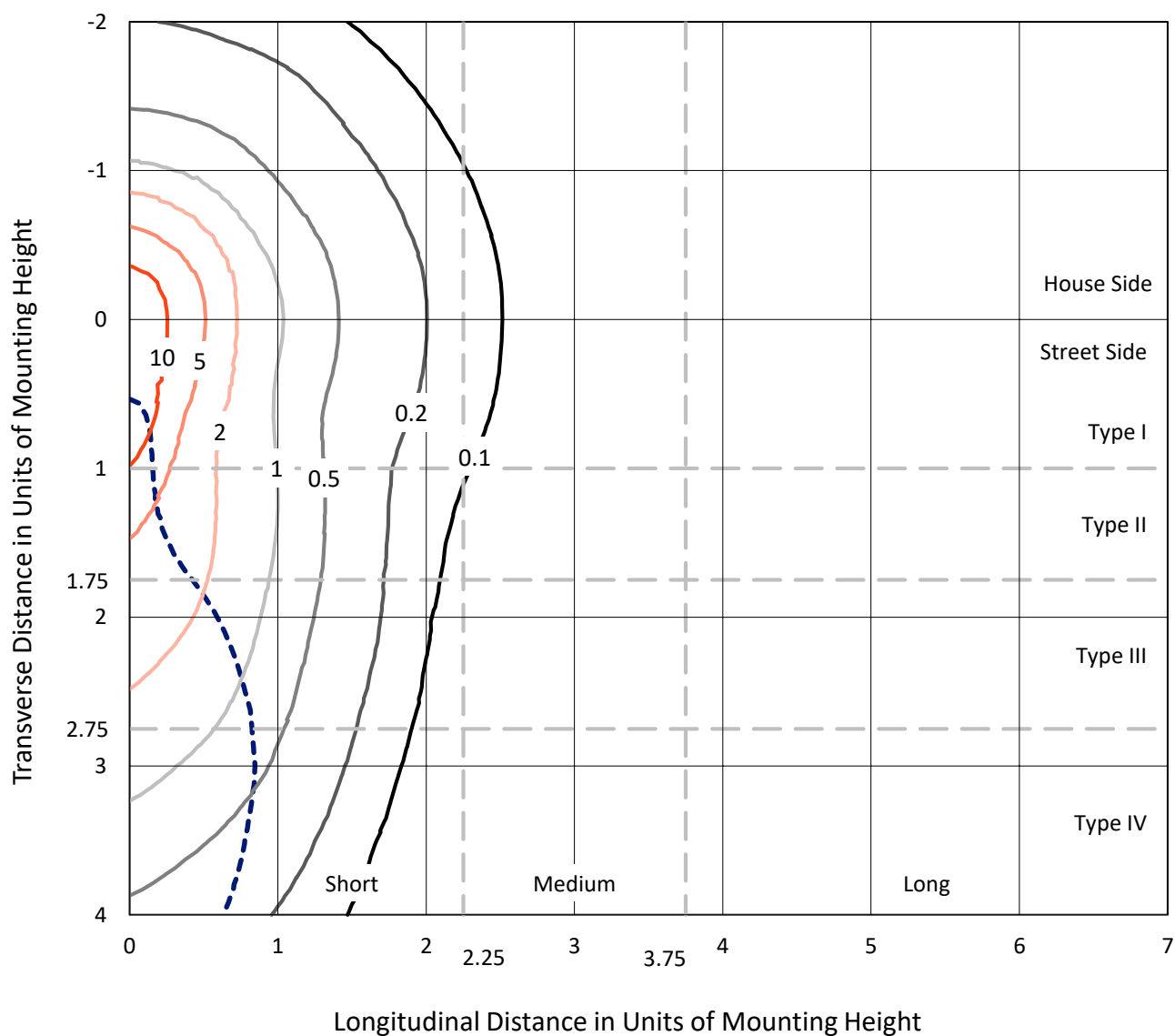
REPORT NUMBER: P153315

CATALOG NUMBER: VXS-F04-LED-E1-SLR

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

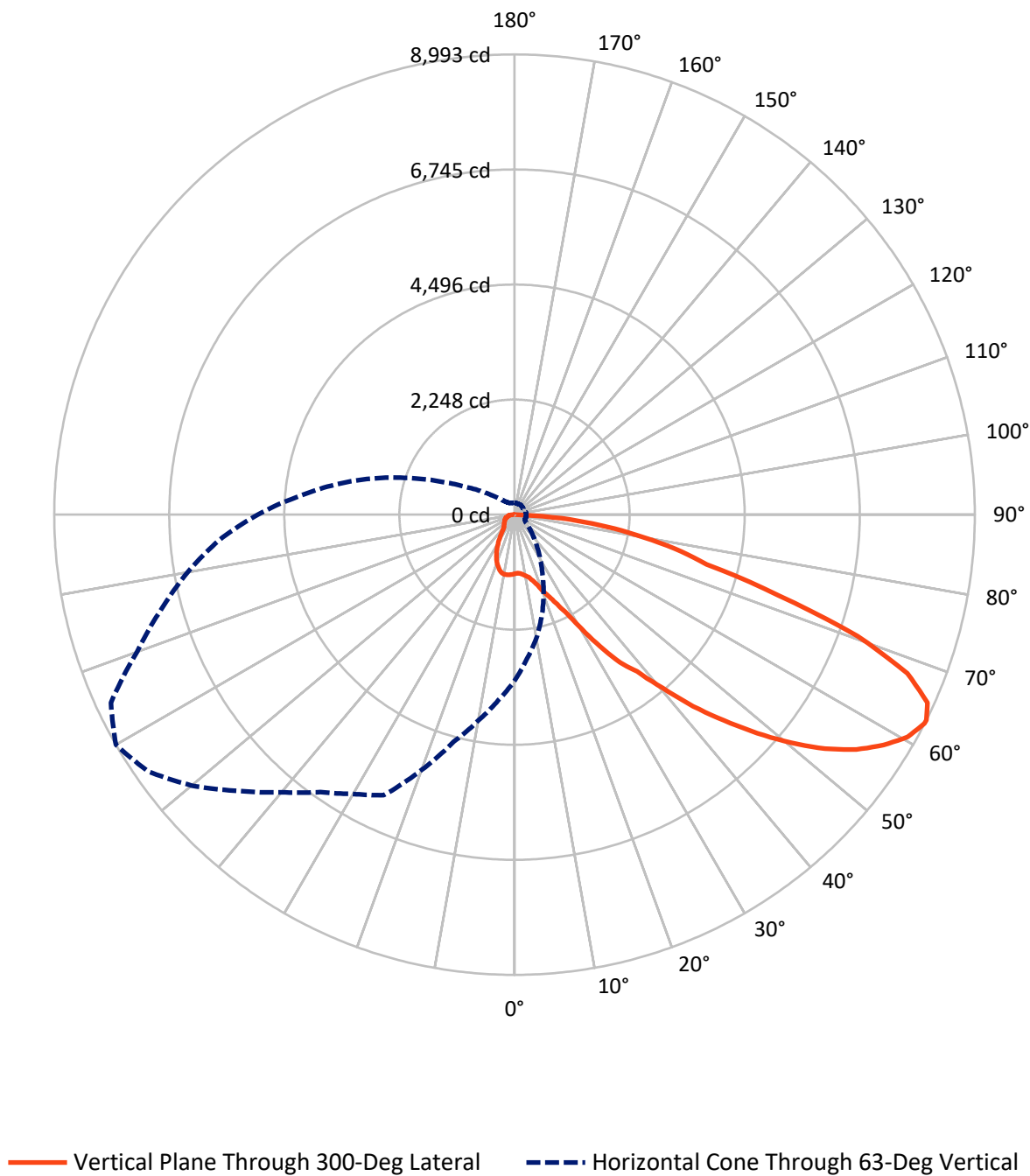


Based on 10 foot mounting height. Maximum calculated value = 14.5 fc
Type IV - Short - Non-Cutoff

REPORT NUMBER: P153315

CATALOG NUMBER: VXS-F04-LED-E1-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P153315

CATALOG NUMBER: VXS-F04-LED-E1-SLR

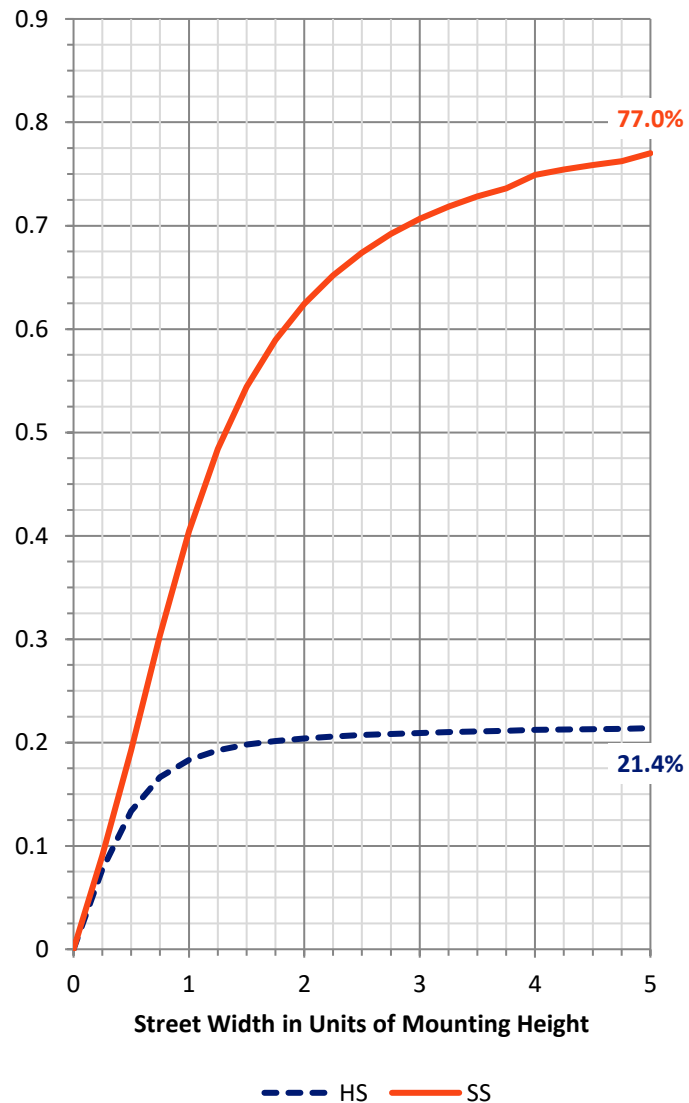
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1992.4	0.0	1992.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	7195.6	0.0	7195.6
	% Fixture	78.3	0.0	78.3
Total	Lumens	9187.9	0.0	9187.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.4	1.2
10°-20°	350.1	3.8
20°-30°	621.9	6.8
30°-40°	979.3	10.7
40°-50°	1441.2	15.7
50°-60°	1914.4	20.8
60°-70°	2108.7	23.0
70°-80°	1323.0	14.4
80°-90°	337.0	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°	9187.9	100.0
0°-180°	9187.9	100.0

Coefficient of Utilization



REPORT NUMBER: P153315

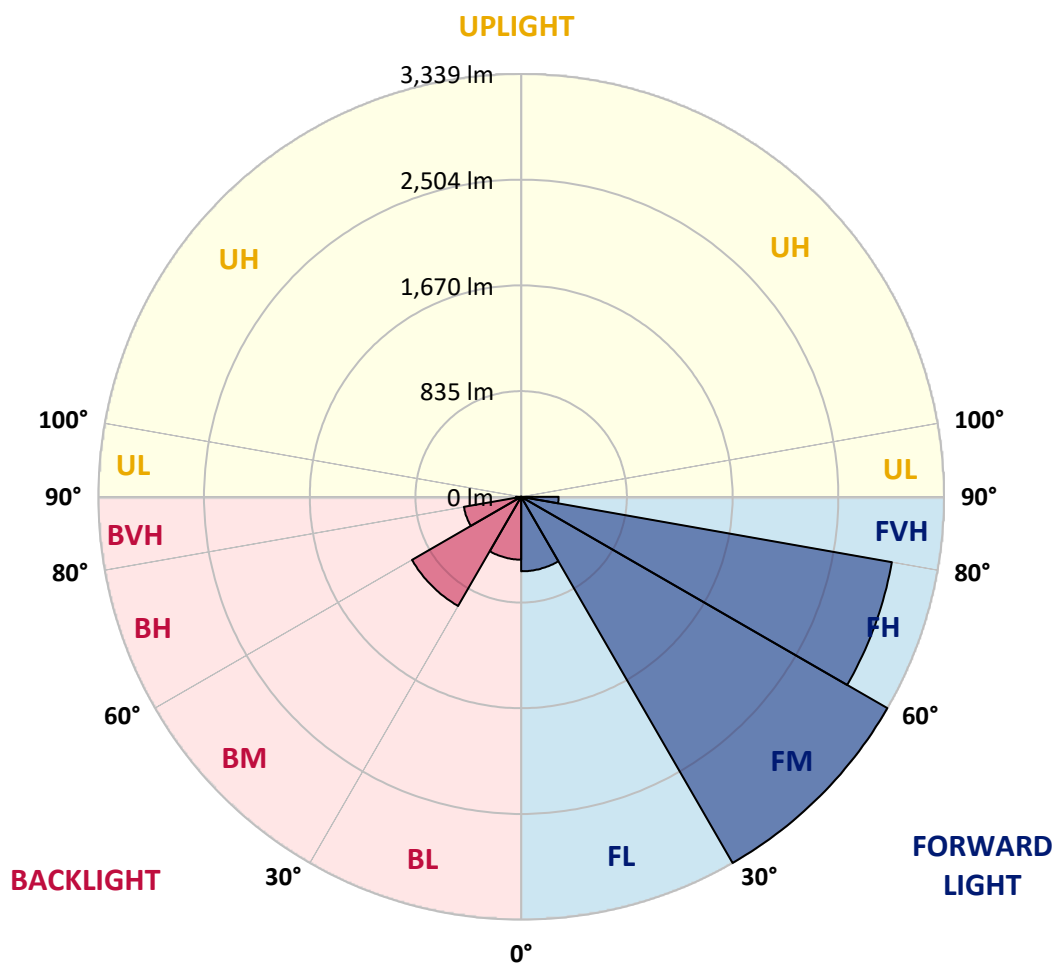
CATALOG NUMBER: VXS-F04-LED-E1-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	588.3	6.4			
FM	(30°-60°)	3339.1	36.3			
FH	(60°-80°)	2972.4	32.4			G2/5000
FVH	(80°-90°)	295.7	3.2			G3/500
BL	(0°-30°)	496.0	5.4	B1/500		
BM	(30°-60°)	995.8	10.8	B1/1000		
BH	(60°-80°)	459.3	5.0	B1/500		G1/500
BVH	(80°-90°)	41.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



REPORT NUMBER: P153315

CATALOG NUMBER: VXS-F04-LED-E1-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6
2.5°	1139.3	1142.5	1141.5	1141.5	1143.6	1142.5	1142.5	1143.6	1143.6	1146.9	1151.3
5°	1130.5	1129.3	1127.2	1129.3	1129.3	1129.3	1124.9	1128.2	1129.3	1131.5	1131.5
7.5°	1141.5	1138.1	1133.7	1134.8	1134.8	1132.6	1129.3	1130.5	1129.3	1129.3	1128.2
10°	1155.8	1148.0	1142.5	1142.5	1142.5	1140.3	1134.8	1138.1	1138.1	1137.0	1138.1
12.5°	1181.0	1172.2	1165.6	1163.4	1163.4	1160.1	1155.8	1160.1	1157.9	1157.9	1155.8
15°	1222.9	1213.0	1205.3	1198.7	1199.8	1199.8	1194.3	1191.0	1186.5	1181.0	1170.1
17.5°	1285.6	1274.6	1264.7	1259.2	1260.3	1252.6	1237.2	1221.8	1200.8	1180.0	1156.8
20°	1374.8	1371.5	1358.2	1352.7	1339.6	1320.8	1277.9	1241.6	1200.8	1161.2	1121.7
22.5°	1528.9	1513.5	1500.2	1479.4	1435.3	1383.6	1312.0	1248.2	1184.4	1128.2	1075.3
25°	1735.9	1708.3	1643.3	1579.5	1489.2	1396.8	1299.9	1217.4	1138.1	1064.4	999.5
27.5°	1939.5	1855.8	1740.2	1624.7	1492.5	1371.5	1250.4	1152.4	1060.0	979.6	908.1
30°	2186.0	2045.1	1867.9	1685.2	1498.0	1335.1	1189.8	1075.3	968.6	883.8	809.0
32.5°	2417.1	2213.5	1981.2	1741.3	1510.2	1301.0	1120.5	990.7	880.5	773.8	700.0
35°	2575.6	2311.5	2029.7	1746.8	1480.4	1236.1	1033.6	880.5	770.5	671.4	584.5
37.5°	2670.3	2354.4	2031.9	1707.2	1411.1	1148.0	923.5	771.6	670.4	575.6	507.5
40°	2729.7	2364.4	2003.3	1649.9	1323.0	1036.9	813.4	676.9	584.5	508.5	455.6
42.5°	2758.3	2348.9	1957.0	1577.3	1233.9	937.8	736.4	607.6	527.3	473.3	433.7
45°	2762.8	2321.3	1907.5	1511.3	1154.6	866.2	683.5	579.0	513.0	467.8	428.2
47.5°	2762.8	2297.2	1867.9	1462.8	1102.9	835.4	679.2	591.1	526.1	475.5	428.2
50°	2765.0	2289.4	1851.4	1438.7	1085.3	851.9	716.6	628.5	554.7	488.7	427.0
52.5°	2774.8	2299.4	1864.6	1457.3	1117.2	918.0	787.0	684.7	592.2	504.1	427.0
55°	2796.9	2332.3	1920.7	1522.3	1203.1	1018.1	871.7	745.2	621.9	510.7	420.5
57.5°	2858.5	2416.1	2023.1	1647.8	1349.4	1133.7	948.8	788.1	633.0	505.2	407.3
60°	2981.8	2582.3	2198.1	1823.8	1504.7	1232.7	993.9	794.7	623.0	487.6	386.3
62.5°	3178.9	2772.6	2410.6	2015.3	1642.3	1287.8	999.5	778.2	596.6	455.6	355.5
63°	3247.0	2820.0	2455.6	2051.7	1659.9	1292.2	995.0	771.6	589.9	446.8	351.1
65°	3437.5	3019.2	2611.9	2179.4	1709.4	1293.4	970.8	738.5	559.2	412.7	320.3
67.5°	3793.1	3281.1	2809.0	2279.6	1727.0	1258.1	909.2	676.9	494.2	359.9	281.8
70°	4017.5	3427.6	2885.0	2281.8	1675.2	1157.9	802.4	576.8	411.7	298.2	242.2
72.5°	3959.2	3283.4	2684.6	2076.0	1451.8	967.6	645.0	453.5	321.5	238.9	201.5
75°	3391.3	2733.1	2190.4	1608.1	1097.4	711.1	472.2	323.6	237.7	187.2	168.4
77.5°	2441.3	1966.9	1570.7	1145.8	739.7	460.1	313.7	231.2	180.5	154.1	138.7
80°	1555.3	1153.6	960.9	689.0	432.5	285.1	215.8	175.0	148.6	128.8	118.9
82.5°	812.3	569.0	462.3	352.2	240.0	188.2	158.5	143.1	122.2	106.7	101.2
85°	506.3	335.8	248.8	173.9	120.0	107.9	99.1	96.9	86.9	77.1	73.8
87.5°	57.2	51.7	53.9	34.1	25.3	27.6	26.4	35.2	34.1	25.3	26.4
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: P153315

CATALOG NUMBER: VXS-F04-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6
2.5°	1146.9	1149.1	1149.1	1152.4	1152.4	1154.6	1156.8	1156.8	1159.1	1160.1	1162.4
5°	1133.7	1133.7	1133.7	1138.1	1139.3	1145.8	1148.0	1150.3	1152.4	1160.1	1164.6
7.5°	1130.5	1126.0	1128.2	1128.2	1131.5	1137.0	1142.5	1145.8	1149.1	1159.1	1165.6
10°	1137.0	1133.7	1130.5	1130.5	1131.5	1133.7	1138.1	1141.5	1143.6	1153.6	1159.1
12.5°	1154.6	1146.9	1140.3	1134.8	1130.5	1129.3	1127.2	1128.2	1130.5	1136.0	1143.6
15°	1157.9	1143.6	1129.3	1115.0	1104.0	1097.4	1091.9	1089.7	1089.7	1093.0	1101.8
17.5°	1136.0	1111.7	1090.8	1072.1	1060.0	1047.9	1042.4	1037.9	1035.8	1040.2	1041.2
20°	1088.6	1060.0	1031.4	1009.3	987.4	984.0	975.2	977.4	979.6	986.2	989.5
22.5°	1023.6	989.5	954.3	931.2	913.6	898.1	888.3	892.6	896.0	902.6	905.9
25°	944.4	894.8	857.4	834.3	815.6	802.4	791.4	795.9	791.4	799.1	811.2
27.5°	850.9	792.5	752.8	726.4	713.3	702.3	691.2	691.2	702.3	702.3	712.1
30°	737.5	694.5	642.8	615.3	598.8	592.2	591.1	588.9	596.6	600.9	612.0
32.5°	630.7	577.8	528.3	502.0	487.6	479.9	481.0	482.1	485.4	492.0	509.6
35°	522.8	476.6	441.3	411.7	397.3	383.0	383.0	380.8	384.1	391.8	412.7
37.5°	453.5	412.7	385.3	362.2	347.8	339.1	331.3	328.0	328.0	331.3	339.1
40°	414.9	385.3	359.9	340.1	326.9	319.2	314.8	311.5	309.3	309.3	310.4
42.5°	397.3	366.5	341.2	323.6	313.7	309.3	308.2	307.0	303.8	302.7	301.6
45°	388.5	353.4	324.7	310.4	302.7	300.5	301.6	301.6	300.5	298.2	293.9
47.5°	382.0	341.2	312.6	299.4	296.1	296.1	296.1	296.1	295.0	293.9	290.6
50°	371.0	322.5	291.7	281.8	279.6	279.6	280.7	280.7	282.9	280.7	278.4
52.5°	358.9	304.9	274.1	265.3	264.1	263.1	263.1	263.1	264.1	264.1	263.1
55°	345.6	291.7	265.3	258.7	259.8	258.7	257.5	256.5	256.5	255.3	253.2
57.5°	332.4	280.7	258.7	254.3	255.3	255.3	253.2	251.0	249.8	246.5	244.4
60°	312.6	265.3	245.5	243.2	246.5	246.5	246.5	245.5	245.5	244.4	238.9
62.5°	286.2	243.2	227.9	228.9	230.1	232.2	232.2	232.2	232.2	230.1	224.6
63°	280.7	238.9	224.6	224.6	227.9	227.9	228.9	227.9	228.9	226.7	220.1
65°	258.7	224.6	213.6	214.6	216.8	216.8	216.8	215.8	215.8	212.4	209.1
67.5°	233.4	206.9	200.3	201.5	202.5	204.8	203.6	203.6	204.8	202.5	199.3
70°	204.8	188.2	183.8	184.9	186.0	186.0	184.9	184.9	186.0	183.8	180.5
72.5°	182.7	176.1	172.8	172.8	170.6	170.6	168.4	167.4	166.2	166.2	162.9
75°	154.1	153.0	154.1	156.3	154.1	151.9	150.8	147.5	145.3	145.3	144.1
77.5°	132.1	132.1	134.3	137.6	138.7	138.7	135.3	129.8	128.8	128.8	128.8
80°	114.5	112.2	112.2	115.5	118.9	117.8	112.2	106.7	106.7	112.2	113.4
82.5°	100.2	100.2	96.9	97.9	96.9	95.8	90.3	86.9	85.8	90.3	94.6
85°	79.3	80.3	79.3	78.1	77.1	73.8	69.3	66.0	65.0	69.3	76.0
87.5°	31.9	30.8	29.7	30.8	29.7	31.9	30.8	28.6	27.6	30.8	37.4
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: P153315

CATALOG NUMBER: VXS-F04-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6
2.5°	1163.4	1165.6	1167.9	1167.9	1170.1	1168.9	1170.1	1171.2	1171.2	1172.2	1172.2
5°	1170.1	1173.4	1177.7	1182.2	1183.2	1186.5	1189.8	1187.7	1191.0	1195.3	1195.3
7.5°	1172.2	1180.0	1183.2	1189.8	1191.0	1195.3	1203.1	1197.5	1204.1	1207.5	1208.6
10°	1168.9	1176.7	1182.2	1189.8	1193.2	1200.8	1208.6	1206.3	1214.1	1219.6	1220.7
12.5°	1149.1	1156.8	1168.9	1180.0	1188.7	1200.8	1215.1	1210.8	1221.8	1228.4	1231.7
15°	1110.6	1118.3	1131.5	1149.1	1165.6	1184.4	1203.1	1206.3	1217.4	1225.1	1228.4
17.5°	1050.1	1060.0	1074.3	1093.0	1113.9	1145.8	1170.1	1182.2	1197.5	1202.0	1207.5
20°	993.9	1003.8	1012.6	1023.6	1039.1	1069.8	1101.8	1126.0	1145.8	1162.4	1166.7
22.5°	919.1	927.9	938.9	947.7	958.8	980.7	1007.2	1034.6	1065.5	1075.3	1086.4
25°	828.8	834.3	849.7	855.2	862.9	881.7	902.6	922.4	952.1	973.1	978.5
27.5°	731.9	737.5	751.8	755.1	765.0	782.6	798.0	805.7	833.3	855.2	872.8
30°	619.7	634.0	651.6	653.8	664.9	675.9	690.2	697.8	723.1	746.3	768.3
32.5°	522.8	537.1	551.4	560.2	565.8	574.6	588.9	596.6	620.8	641.7	663.7
35°	423.7	441.3	456.8	468.9	473.3	484.4	495.3	503.0	528.3	547.0	562.5
37.5°	348.9	362.2	378.7	390.8	402.9	410.6	423.7	434.8	450.2	460.1	476.6
40°	312.6	319.2	328.0	337.9	347.8	356.6	366.5	375.3	385.3	398.4	409.4
42.5°	300.5	301.6	301.6	304.9	310.4	314.8	323.6	330.3	336.8	346.7	352.2
45°	291.7	290.6	288.4	286.2	287.3	289.5	295.0	299.4	307.0	311.5	312.6
47.5°	287.3	282.9	278.4	275.1	274.1	275.1	279.6	283.9	288.4	291.7	292.7
50°	273.0	269.6	263.1	258.7	256.5	258.7	264.1	266.3	270.8	274.1	275.1
52.5°	258.7	254.3	249.8	245.5	245.5	246.5	251.0	255.3	259.8	260.8	263.1
55°	249.8	243.2	238.9	235.5	233.4	236.7	240.0	245.5	251.0	252.0	254.3
57.5°	241.0	234.4	230.1	226.7	224.6	227.9	231.2	238.9	245.5	245.5	245.5
60°	235.5	230.1	223.4	220.1	216.8	220.1	224.6	232.2	238.9	237.7	236.7
62.5°	220.1	214.6	211.3	211.3	208.1	213.6	217.9	226.7	227.9	225.6	223.4
63°	215.8	211.3	209.1	209.1	206.9	212.4	216.8	224.6	224.6	222.4	220.1
65°	204.8	201.5	199.3	201.5	201.5	206.9	208.1	213.6	212.4	209.1	208.1
67.5°	196.0	193.7	191.5	191.5	191.5	192.6	193.7	196.0	194.8	193.7	194.8
70°	181.7	180.5	178.3	178.3	177.2	177.2	177.2	178.3	178.3	179.4	180.5
72.5°	164.0	161.8	161.8	162.9	160.7	161.8	162.9	161.8	164.0	164.0	165.1
75°	144.1	143.1	145.3	147.5	146.4	146.4	147.5	147.5	148.6	148.6	149.7
77.5°	128.8	129.8	131.0	133.2	134.3	134.3	134.3	133.2	134.3	134.3	135.3
80°	114.5	116.7	118.9	121.0	122.2	122.2	122.2	121.0	121.0	121.0	121.0
82.5°	103.4	106.7	109.0	110.1	110.1	110.1	110.1	110.1	110.1	107.9	105.7
85°	86.9	93.6	93.6	94.6	91.4	89.1	86.9	88.1	89.1	84.8	83.6
87.5°	44.0	44.0	46.2	48.4	49.5	49.5	56.2	52.8	51.7	50.7	48.4
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: P153315

CATALOG NUMBER: VXS-F04-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6
2.5°	1173.4	1172.2	1174.4	1172.2	1173.4	1174.4	1172.2	1175.5	1177.7	1174.4	1171.2
5°	1197.5	1197.5	1203.1	1205.3	1206.3	1213.0	1209.6	1211.9	1214.1	1213.0	1214.1
7.5°	1213.0	1217.4	1222.9	1228.4	1229.4	1235.0	1233.9	1237.2	1239.4	1244.9	1244.9
10°	1226.2	1231.7	1239.4	1244.9	1250.4	1254.8	1257.0	1263.6	1264.7	1269.1	1269.1
12.5°	1238.2	1244.9	1252.6	1261.5	1266.9	1275.8	1276.8	1286.7	1290.1	1291.1	1287.8
15°	1236.1	1243.8	1252.6	1262.5	1272.4	1283.4	1290.1	1299.9	1305.4	1307.7	1302.2
17.5°	1215.1	1221.8	1232.7	1246.0	1258.1	1272.4	1284.6	1298.9	1307.7	1309.8	1308.7
20°	1174.4	1178.9	1193.2	1210.8	1225.1	1247.0	1264.7	1286.7	1301.0	1312.0	1315.3
22.5°	1094.1	1105.1	1119.4	1139.3	1160.1	1187.7	1213.0	1244.9	1275.8	1302.2	1328.5
25°	997.2	1017.1	1039.1	1065.5	1090.8	1119.4	1148.0	1184.4	1229.4	1284.6	1347.3
27.5°	899.3	933.4	960.9	995.0	1024.8	1053.4	1085.3	1124.9	1174.4	1240.5	1320.8
30°	800.2	838.8	868.5	908.1	947.7	986.2	1018.1	1060.0	1108.4	1175.5	1263.6
32.5°	694.5	733.1	768.3	804.7	848.6	894.8	933.4	985.1	1036.9	1106.2	1195.3
35°	585.6	619.7	649.4	688.0	736.4	785.9	836.6	896.0	952.1	1024.8	1119.4
37.5°	490.9	515.1	543.7	577.8	615.3	668.1	725.4	795.9	859.7	938.9	1035.8
40°	412.7	426.0	442.5	471.1	505.2	557.0	613.1	688.0	765.0	851.9	945.5
42.5°	352.2	358.9	363.2	382.0	409.4	460.1	514.0	586.6	671.4	766.1	860.7
45°	312.6	315.9	317.0	326.9	346.7	390.8	446.8	508.5	589.9	682.4	781.5
47.5°	293.9	297.2	299.4	301.6	313.7	347.8	398.4	456.8	531.6	616.4	717.6
50°	278.4	281.8	285.1	283.9	289.5	311.5	354.4	408.4	478.8	557.0	657.1
52.5°	263.1	265.3	265.3	265.3	268.6	282.9	313.7	363.2	428.2	502.0	600.9
55°	254.3	256.5	257.5	258.7	259.8	267.5	290.6	330.3	386.3	454.6	543.7
57.5°	245.5	246.5	248.8	249.8	252.0	256.5	270.8	299.4	346.7	403.9	478.8
60°	237.7	240.0	244.4	245.5	247.7	248.8	255.3	273.0	303.8	347.8	408.4
62.5°	225.6	228.9	233.4	234.4	236.7	237.7	238.9	248.8	263.1	289.5	334.6
63°	222.4	225.6	231.2	232.2	233.4	233.4	234.4	241.0	254.3	277.4	310.4
65°	210.3	214.6	217.9	219.1	220.1	220.1	219.1	221.2	222.4	232.2	252.0
67.5°	197.0	200.3	202.5	203.6	202.5	203.6	202.5	200.3	198.1	200.3	209.1
70°	183.8	186.0	186.0	187.2	188.2	189.3	187.2	184.9	182.7	181.7	187.2
72.5°	168.4	170.6	170.6	171.7	171.7	173.9	173.9	172.8	172.8	173.9	175.0
75°	153.0	155.2	154.1	156.3	156.3	159.6	159.6	160.7	162.9	161.8	160.7
77.5°	138.7	139.8	139.8	140.9	142.0	147.5	150.8	151.9	151.9	149.7	147.5
80°	123.3	123.3	121.0	120.0	121.0	126.6	133.2	134.3	137.6	136.5	137.6
82.5°	103.4	99.1	95.8	95.8	97.9	101.2	103.4	105.7	107.9	107.9	110.1
85°	79.3	74.8	71.5	72.6	76.0	77.1	76.0	76.0	80.3	83.6	80.3
87.5°	47.4	42.9	40.7	37.4	38.5	41.9	40.7	37.4	38.5	30.8	28.6
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: P153315

CATALOG NUMBER: VXS-F04-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6
2.5°	1173.4	1172.2	1170.1	1166.7	1165.6	1163.4	1164.6	1161.2	1159.1	1156.8	1153.6
5°	1214.1	1214.1	1207.5	1207.5	1204.1	1203.1	1195.3	1192.0	1185.5	1187.7	1180.0
7.5°	1242.7	1246.0	1238.2	1237.2	1232.7	1231.7	1221.8	1218.4	1213.0	1210.8	1204.1
10°	1263.6	1263.6	1253.7	1246.0	1240.5	1235.0	1225.1	1220.7	1216.3	1217.4	1213.0
12.5°	1280.1	1272.4	1258.1	1247.0	1239.4	1233.9	1226.2	1222.9	1221.8	1229.4	1230.6
15°	1293.4	1282.3	1264.7	1257.0	1250.4	1249.3	1249.3	1252.6	1260.3	1274.6	1285.6
17.5°	1301.0	1294.4	1285.6	1283.4	1294.4	1301.0	1309.8	1319.7	1330.8	1350.6	1362.7
20°	1315.3	1319.7	1326.3	1335.1	1352.7	1369.2	1380.3	1394.6	1407.8	1432.0	1451.8
22.5°	1352.7	1378.0	1399.0	1416.6	1443.0	1466.1	1480.4	1500.2	1510.2	1526.6	1557.5
25°	1401.1	1453.0	1497.0	1534.4	1575.1	1599.3	1619.2	1644.5	1659.9	1687.4	1714.9
27.5°	1386.8	1460.6	1526.6	1596.1	1652.1	1714.9	1759.0	1800.7	1827.2	1867.9	1904.2
30°	1342.9	1430.9	1520.1	1611.4	1700.6	1790.9	1874.5	1950.5	2008.8	2067.2	2126.5
32.5°	1283.4	1384.7	1493.7	1605.9	1722.6	1848.1	1963.6	2078.1	2175.0	2259.7	2342.3
35°	1215.1	1329.6	1443.0	1581.7	1725.9	1885.5	2046.2	2204.7	2352.2	2501.9	2603.1
37.5°	1133.7	1250.4	1377.0	1536.6	1706.1	1903.1	2107.9	2314.8	2523.9	2725.3	2900.3
40°	1046.7	1165.6	1298.9	1471.6	1663.1	1892.1	2147.5	2425.9	2713.3	3004.9	3237.2
42.5°	969.7	1091.9	1237.2	1412.2	1620.2	1877.8	2179.4	2521.7	2872.8	3233.9	3575.0
45°	894.8	1029.1	1182.2	1370.4	1601.6	1888.8	2226.7	2610.9	3016.0	3454.0	3870.1
47.5°	827.8	964.2	1112.8	1318.7	1574.0	1894.3	2273.0	2700.0	3151.3	3625.7	4119.9
50°	767.2	899.3	1045.7	1252.6	1531.1	1891.0	2314.8	2780.4	3268.0	3761.1	4312.5
52.5°	707.8	842.1	991.7	1188.7	1478.2	1872.3	2334.6	2846.4	3375.9	3897.6	4467.8
55°	649.4	781.5	932.3	1128.2	1408.9	1823.8	2332.3	2889.3	3461.7	4026.3	4617.4
57.5°	581.1	706.6	854.1	1061.0	1335.1	1749.0	2299.4	2909.1	3535.4	4154.0	4796.9
60°	496.4	614.2	756.2	963.1	1238.2	1653.3	2230.1	2898.1	3578.3	4248.7	4949.8
62.5°	391.8	494.2	624.1	826.6	1117.2	1515.6	2100.1	2797.9	3510.2	4235.5	5021.3
63°	369.8	466.7	593.3	793.6	1065.5	1478.2	2061.7	2758.3	3477.1	4208.0	5011.5
65°	297.2	359.9	461.2	640.6	891.6	1294.4	1870.1	2554.7	3299.9	4014.3	4868.4
67.5°	227.9	259.8	313.7	439.2	630.7	1018.1	1514.6	2165.1	2864.0	3535.4	4407.3
70°	194.8	209.1	232.2	291.7	400.6	642.8	1063.3	1614.7	2220.1	2802.4	3586.1
72.5°	177.2	183.8	196.0	221.2	275.1	385.3	678.0	1051.2	1510.2	1997.7	2603.1
75°	162.9	168.4	178.3	191.5	211.3	256.5	386.3	642.8	981.9	1312.0	1756.7
77.5°	148.6	151.9	162.9	175.0	188.2	211.3	255.3	369.8	564.7	773.8	1058.9
80°	136.5	134.3	142.0	161.8	175.0	188.2	201.5	240.0	321.5	423.7	572.3
82.5°	109.0	111.2	117.8	137.6	143.1	139.8	142.0	148.6	179.4	196.0	292.7
85°	73.8	68.3	67.2	69.3	69.3	66.0	66.0	65.0	71.5	81.5	139.8
87.5°	19.8	9.9	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: P153315
CATALOG NUMBER: VXS-F04-LED-E1-SLR

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	0°
2.5°	1151.3	1150.3	1151.3	1145.8	1145.8	1144.8	1143.6	1141.5	1141.5	1137.0	1140.3	2.5°
5°	1173.4	1171.2	1166.7	1160.1	1156.8	1152.4	1152.4	1148.0	1144.8	1140.3	1141.5	5°
7.5°	1198.7	1199.8	1192.0	1186.5	1184.4	1180.0	1181.0	1174.4	1175.5	1172.2	1170.1	7.5°
10°	1213.0	1213.0	1215.1	1214.1	1216.3	1216.3	1219.6	1215.1	1213.0	1209.6	1209.6	10°
12.5°	1236.1	1240.5	1249.3	1249.3	1255.9	1258.1	1259.2	1261.5	1257.0	1254.8	1247.0	12.5°
15°	1293.4	1304.4	1312.0	1323.0	1336.3	1340.6	1340.6	1336.3	1334.1	1330.8	1316.5	15°
17.5°	1388.0	1412.2	1418.8	1436.4	1438.7	1444.1	1459.5	1450.7	1445.2	1422.1	1417.7	17.5°
20°	1484.9	1515.6	1546.5	1568.5	1579.5	1601.6	1604.9	1600.4	1578.4	1556.4	1546.5	20°
22.5°	1601.6	1647.8	1683.0	1717.1	1733.6	1744.6	1768.8	1763.3	1745.7	1712.6	1699.5	22.5°
25°	1766.6	1823.8	1861.2	1903.1	1925.1	1936.2	1960.3	1960.3	1941.7	1931.7	1930.7	25°
27.5°	1974.6	2045.1	2106.7	2121.0	2178.2	2191.5	2214.6	2214.6	2197.0	2184.9	2243.2	27.5°
30°	2205.8	2279.6	2386.3	2457.8	2527.3	2595.4	2594.3	2598.8	2619.7	2630.7	2656.0	30°
32.5°	2437.0	2528.3	2641.7	2796.9	2945.5	3072.0	3236.1	3340.6	3308.7	3219.6	3184.4	32.5°
35°	2717.6	2818.9	2956.5	3112.7	3384.7	3548.7	3627.9	3684.0	3690.7	3702.8	3728.1	35°
37.5°	3030.3	3199.7	3359.4	3536.6	3687.4	3886.5	4070.4	4217.9	4252.0	4321.3	4281.8	37.5°
40°	3425.4	3614.7	3782.0	4011.0	4213.5	4453.5	4716.5	4919.1	5000.5	4974.1	4776.0	40°
42.5°	3839.3	4073.7	4269.6	4539.3	4802.4	5119.4	5391.2	5674.1	5724.8	5521.1	5225.0	42.5°
45°	4220.1	4510.7	4753.9	5034.6	5356.0	5735.8	6099.0	6389.5	6379.7	6030.8	5634.5	45°
47.5°	4562.4	4919.1	5216.2	5581.7	5927.3	6379.7	6796.8	7011.5	6884.9	6472.1	5986.7	47.5°
50°	4845.3	5289.9	5656.5	6026.3	6465.5	7010.4	7412.1	7533.2	7288.8	6839.8	6329.0	50°
52.5°	5073.2	5631.2	6042.8	6468.8	7023.5	7597.0	7942.7	7897.5	7581.7	7120.4	6611.9	52.5°
55°	5265.7	5892.0	6383.0	6886.0	7573.9	8102.3	8332.3	8211.2	7769.8	7302.1	6805.6	55°
57.5°	5465.0	6145.2	6695.5	7279.0	8045.0	8498.5	8626.2	8377.4	7859.0	7371.4	6889.3	57.5°
60°	5664.2	6356.6	6971.8	7622.4	8401.7	8822.1	8786.8	8414.8	7832.5	7320.7	6833.2	60°
62.5°	5798.4	6482.1	7132.5	7833.7	8669.1	8987.3	8771.5	8281.7	7679.6	7121.6	6665.8	62.5°
63°	5801.8	6486.4	7142.5	7848.0	8698.9	8992.7	8741.8	8234.3	7631.2	7080.8	6616.3	63°
65°	5732.4	6403.8	7054.4	7783.0	8673.5	8866.1	8485.3	7954.7	7354.9	6799.1	6358.8	65°
67.5°	5378.0	6062.7	6637.2	7324.0	8220.0	8275.0	7798.4	7370.3	6831.0	6255.2	5795.2	67.5°
70°	4663.6	5232.7	5796.3	6369.7	7121.6	7111.6	6663.6	6445.7	5973.5	5317.5	4948.7	70°
72.5°	3709.3	4220.1	4616.4	5000.5	5495.8	5395.6	5107.3	5167.8	4861.8	4372.0	4153.0	72.5°
75°	2754.0	3315.3	3509.0	3665.3	3874.5	3875.5	3954.8	4126.5	4122.1	3850.3	3574.0	75°
77.5°	1806.2	2420.4	2485.4	2610.9	2861.9	3203.0	3555.2	3933.9	4028.6	3813.9	3405.6	77.5°
80°	1007.2	1645.6	1570.7	1678.5	1949.3	2412.7	2932.2	3350.6	3597.1	3477.1	3044.6	80°
82.5°	515.1	948.8	906.9	1056.7	1275.8	1678.5	2022.0	2343.4	2634.0	2617.5	2453.5	82.5°
85°	267.5	519.5	591.1	669.2	779.3	923.5	1053.4	1146.9	1268.0	1481.6	1554.2	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	0.0	79.3	57.2	157.4	224.6	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: P153315

NUMBER: VXS-F04-LED-E1-SLR

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1154.6	1154.6	1154.6	1154.6	1154.6	1154.6	1154.6
1141.5	1142.5	1140.3	1140.3	1141.5	1141.5	1139.3
1139.3	1139.3	1137.0	1134.8	1132.6	1132.6	1130.5
1164.6	1164.6	1156.8	1153.6	1148.0	1143.6	1141.5
1202.0	1195.3	1186.5	1180.0	1171.2	1161.2	1155.8
1239.4	1229.4	1218.4	1208.6	1197.5	1186.5	1181.0
1301.0	1287.8	1273.5	1261.5	1246.0	1229.4	1222.9
1395.6	1374.8	1356.1	1338.4	1311.0	1298.9	1285.6
1521.1	1490.4	1466.1	1436.4	1402.3	1391.3	1374.8
1673.1	1646.6	1598.2	1576.2	1542.1	1525.6	1528.9
1904.2	1870.1	1814.0	1793.1	1789.7	1753.4	1735.9
2205.8	2208.0	2156.3	2100.1	2069.3	2012.1	1939.5
2635.0	2605.4	2544.8	2487.6	2414.9	2307.0	2186.0
3154.6	3088.6	2988.4	2881.7	2752.8	2586.6	2417.1
3662.1	3546.4	3386.8	3208.5	3022.5	2815.5	2575.6
4107.8	3928.4	3689.5	3484.8	3221.8	2963.1	2670.3
4515.0	4292.7	3984.6	3719.3	3408.9	3076.5	2729.7
4909.1	4627.4	4249.8	3891.0	3539.9	3152.4	2758.3
5284.5	4921.2	4473.3	4046.2	3635.6	3202.0	2762.8
5572.8	5176.6	4673.6	4158.4	3701.7	3239.4	2762.8
5840.3	5392.3	4826.5	4246.5	3763.3	3264.7	2765.0
6048.4	5544.2	4925.6	4309.2	3811.7	3283.4	2774.8
6199.2	5643.3	4991.7	4347.8	3846.9	3309.8	2796.9
6304.8	5708.2	5028.0	4381.9	3889.8	3356.1	2858.5
6355.4	5828.2	5088.5	4450.2	3963.6	3454.0	2981.8
6316.9	6014.2	5261.3	4565.7	4066.0	3606.9	3178.9
6300.4	6048.4	5308.7	4591.0	4089.1	3640.0	3247.0
6171.6	6082.5	5503.5	4718.7	4199.2	3786.4	3437.5
5772.0	5948.2	5667.5	4934.4	4435.9	4142.0	3793.1
5254.7	5748.9	5637.8	4962.0	4586.6	4433.6	4017.5
4635.0	5146.8	5043.4	4595.4	4420.4	4436.9	3959.2
3647.7	4031.8	3963.6	3806.2	3841.5	3962.5	3391.3
2922.4	2870.7	2713.3	2724.2	2927.9	3069.8	2441.3
2387.5	1932.8	1728.1	1733.6	2089.1	2236.6	1555.3
2271.8	1828.3	1489.2	1301.0	1520.1	1463.9	812.3
1618.0	1621.3	1345.1	1093.0	1058.9	900.4	506.3
383.0	307.0	219.1	162.9	171.7	113.4	57.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)