

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: P152710

Luminaire Tested: **VXS-E01-LED-E1-SLL**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152710
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-E01-LED-E1-SLL
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2782.5 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 24.7
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



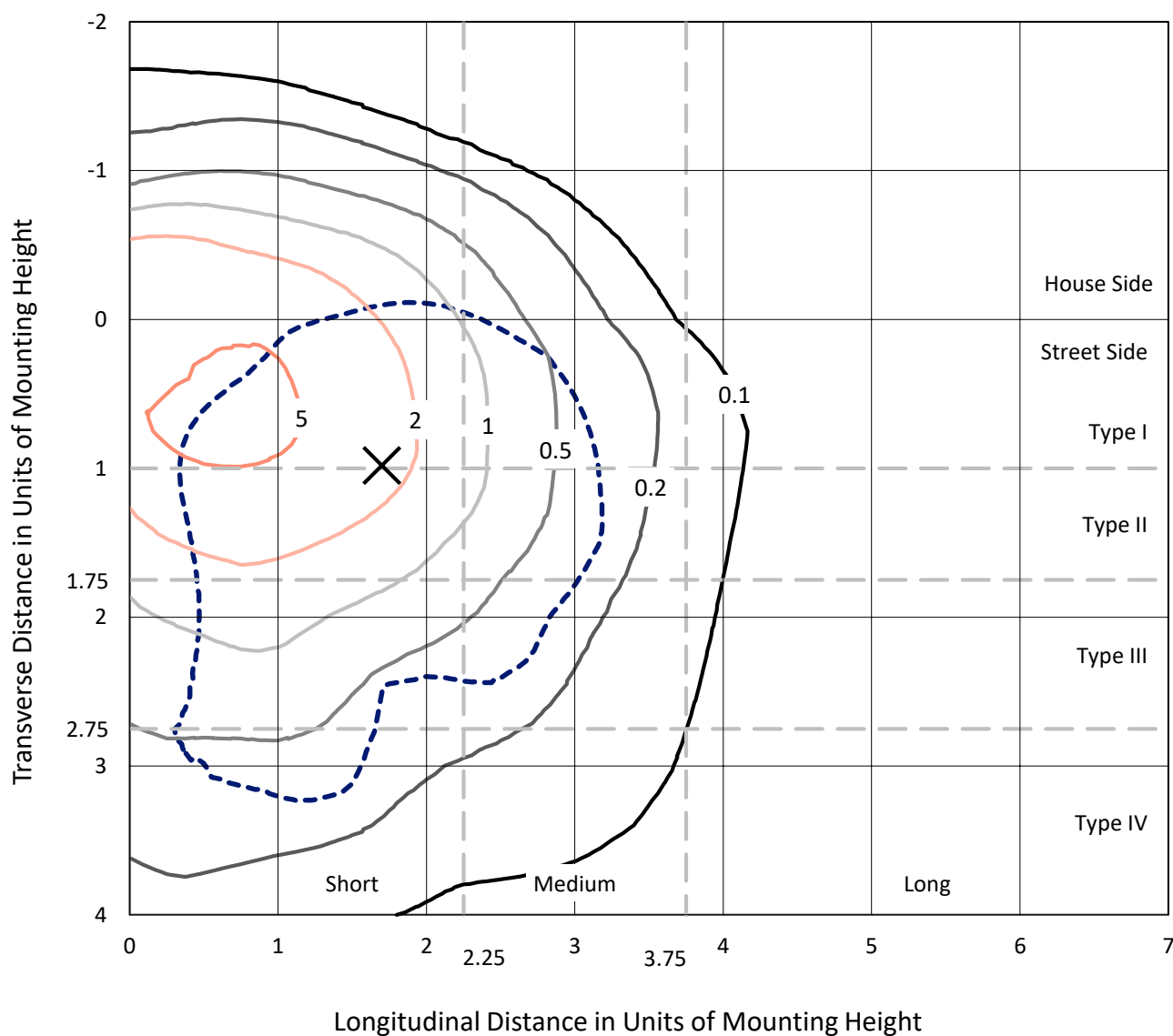
REPORT NUMBER: P152710

CATALOG NUMBER: VXS-E01-LED-E1-SLL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

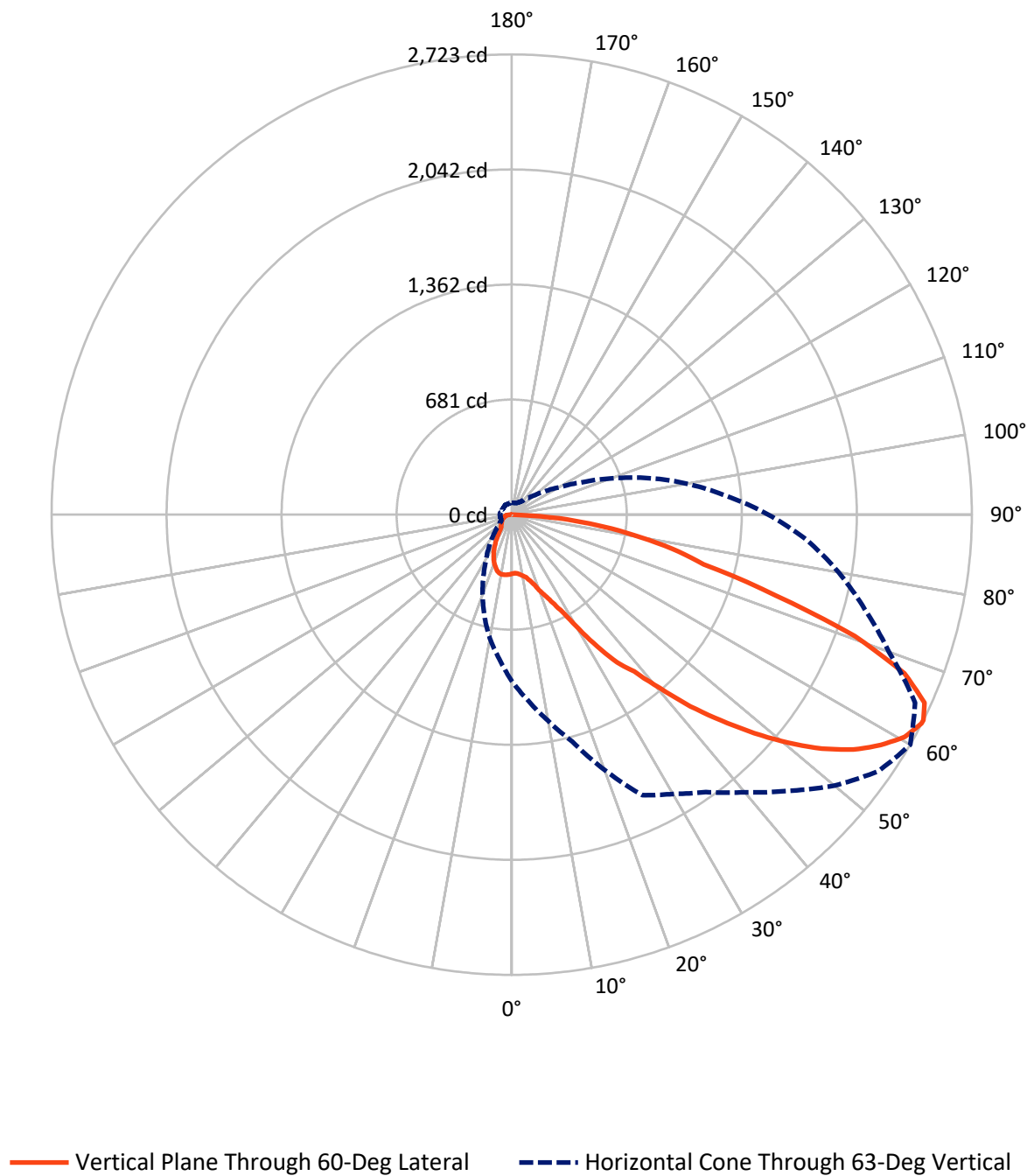


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P152710

CATALOG NUMBER: VXS-E01-LED-E1-SLL

Luminous Intensity Polar Plot



REPORT NUMBER: P152710

CATALOG NUMBER: VXS-E01-LED-E1-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	603.4	0.0	603.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2179.1	0.0	2179.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	2782.5	0.0	2782.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	1.2
10°-20°	106.0	3.8
20°-30°	188.3	6.8
30°-40°	296.6	10.7
40°-50°	436.5	15.7
50°-60°	579.7	20.8
60°-70°	638.6	23.0
70°-80°	400.6	14.4
80°-90°	102.0	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°	2782.5	100.0
0°-180°	2782.5	100.0

Coefficient of Utilization



REPORT NUMBER: P152710

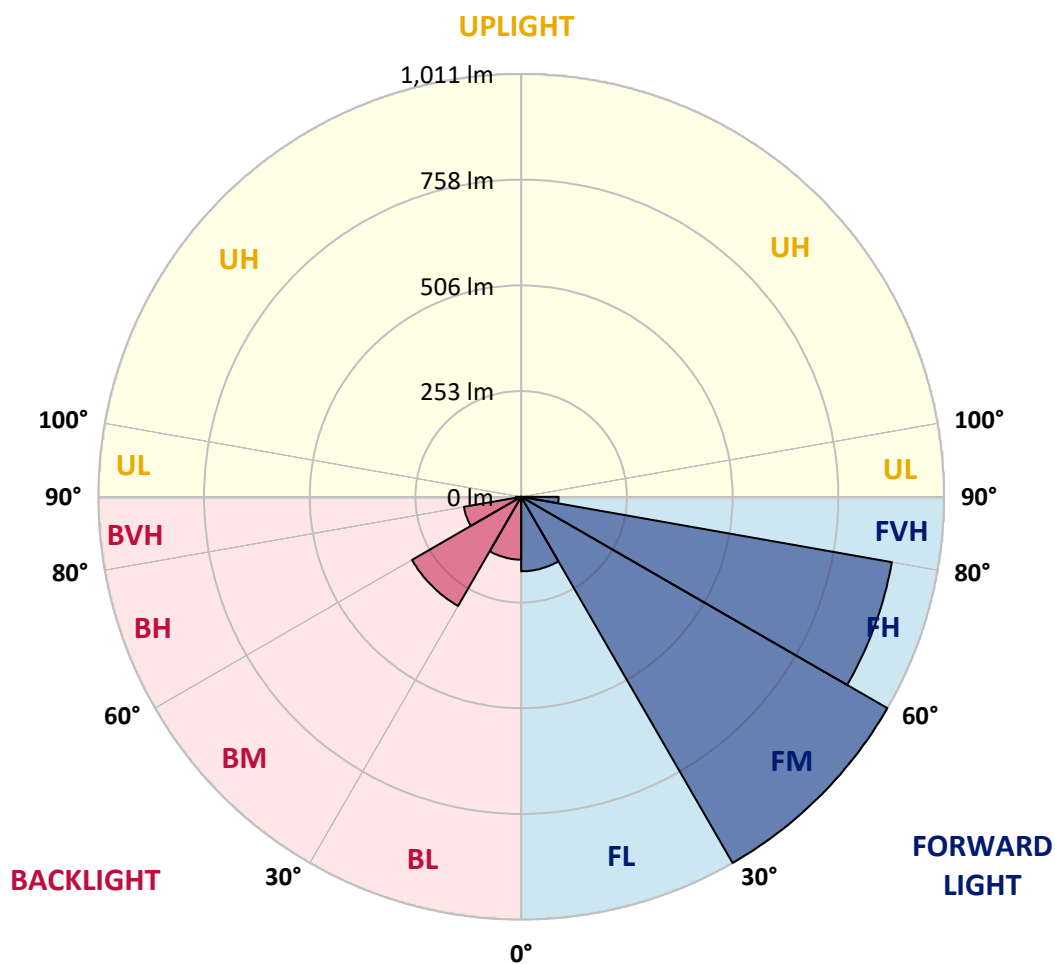
CATALOG NUMBER: VXS-E01-LED-E1-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.2	6.4			
FM	(30°-60°)	1011.2	36.3			
FH	(60°-80°)	900.2	32.4			G1/1800
FVH	(80°-90°)	89.5	3.2			G1/100
BL	(0°-30°)	150.2	5.4	B1/500		
BM	(30°-60°)	301.6	10.8	B1/1000		
BH	(60°-80°)	139.1	5.0	B1/500		G1/500
BVH	(80°-90°)	12.5	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-G1

Type IV Short



REPORT NUMBER: P152710

CATALOG NUMBER: VXS-E01-LED-E1-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6
2.5°	345.0	345.7	345.7	345.3	345.3	346.0	345.7	345.3	344.4	345.7	345.7
5°	342.4	343.0	343.0	343.6	344.4	345.0	345.0	345.7	345.3	346.6	347.7
7.5°	345.7	346.3	347.7	349.3	350.4	352.6	352.6	354.3	355.0	356.0	355.6
10°	350.1	351.7	354.7	357.3	359.4	362.0	364.0	366.3	366.3	367.4	368.0
12.5°	357.6	359.4	362.7	366.0	369.0	372.3	375.3	377.6	380.0	380.6	382.0
15°	370.4	372.3	377.3	382.0	385.7	389.9	394.0	398.7	403.0	404.0	404.7
17.5°	389.3	393.4	397.0	405.3	410.7	416.4	422.7	429.3	430.7	437.6	439.4
20°	416.4	421.3	424.7	435.0	444.0	451.3	460.6	468.3	471.3	478.0	484.7
22.5°	463.0	462.0	467.0	477.3	484.0	498.7	506.6	514.7	518.7	528.7	534.0
25°	525.7	531.0	542.0	543.0	549.3	566.3	576.7	584.7	585.0	588.0	593.7
27.5°	587.4	609.3	626.6	636.0	653.0	668.7	668.0	679.4	661.7	665.3	670.7
30°	662.0	698.7	731.3	753.4	770.7	789.0	798.0	804.4	796.7	793.4	787.0
32.5°	732.0	783.3	833.7	872.6	905.0	935.3	955.3	964.4	975.0	1002.0	1011.7
35°	780.0	852.6	915.3	971.7	1025.7	1074.0	1109.0	1129.0	1121.3	1117.6	1115.6
37.5°	808.7	897.3	975.6	1055.3	1117.3	1189.6	1244.0	1296.7	1308.7	1287.7	1277.3
40°	826.6	931.7	1032.3	1126.3	1206.6	1300.0	1367.4	1446.3	1506.3	1514.3	1489.6
42.5°	835.3	954.7	1072.0	1178.3	1287.0	1401.3	1486.6	1582.4	1672.0	1733.7	1718.3
45°	836.7	969.6	1101.0	1225.3	1354.7	1490.4	1600.3	1706.3	1826.3	1932.0	1935.0
47.5°	836.7	981.0	1121.0	1259.4	1415.3	1567.7	1687.7	1813.0	1960.0	2085.0	2123.3
50°	837.3	988.7	1139.7	1286.0	1461.7	1633.0	1768.7	1916.7	2071.3	2207.4	2281.3
52.5°	840.3	994.3	1154.3	1305.0	1491.7	1679.0	1831.7	2002.4	2156.4	2296.0	2391.7
55°	847.0	1002.4	1165.0	1316.7	1511.7	1709.0	1877.3	2061.0	2211.3	2353.0	2486.6
57.5°	865.7	1016.4	1178.0	1327.0	1522.7	1728.7	1909.3	2086.3	2232.3	2380.0	2537.0
60°	903.0	1046.0	1200.3	1347.7	1541.0	1765.0	1924.7	2069.3	2217.0	2372.0	2548.3
62.5°	962.7	1092.3	1231.3	1382.7	1593.4	1821.3	1913.0	2018.7	2156.7	2325.7	2508.0
63°	983.3	1102.4	1238.3	1390.4	1607.7	1831.7	1908.0	2003.6	2144.4	2311.0	2493.7
65°	1041.0	1146.6	1271.7	1429.0	1666.6	1842.0	1869.0	1925.7	2059.0	2227.4	2409.0
67.5°	1148.7	1254.3	1343.3	1494.3	1716.4	1801.3	1748.0	1755.0	1894.3	2068.7	2232.0
70°	1216.7	1342.7	1389.0	1502.7	1707.4	1741.0	1591.3	1498.7	1610.4	1809.0	1952.0
72.5°	1199.0	1343.6	1338.7	1391.7	1527.4	1558.7	1403.6	1257.6	1324.0	1472.3	1565.0
75°	1027.0	1200.0	1163.3	1152.6	1200.3	1221.0	1104.7	1082.4	1166.0	1248.3	1249.6
77.5°	739.4	929.6	886.6	825.0	821.7	869.3	885.0	1031.3	1155.0	1220.0	1191.3
80°	471.0	677.3	632.6	525.0	523.3	585.3	723.0	922.0	1053.0	1089.3	1014.7
82.5°	246.0	443.3	460.3	394.0	451.0	553.7	688.0	743.0	792.6	797.6	709.6
85°	153.4	272.6	320.6	331.0	407.4	491.0	489.9	470.7	448.7	384.0	347.4
87.5°	17.3	34.3	52.0	49.3	66.3	93.0	116.0	68.0	47.7	17.3	24.0
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: P152710

CATALOG NUMBER: VXS-E01-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6
2.5°	346.3	346.6	347.0	347.0	348.7	348.3	348.7	349.3	350.4	351.0	351.7
5°	349.0	349.0	350.4	351.3	353.4	354.7	355.3	357.3	359.7	359.0	361.0
7.5°	357.6	357.3	358.7	359.4	361.0	363.3	363.0	364.7	366.6	367.4	369.0
10°	369.3	368.3	368.3	367.7	368.0	367.4	367.4	367.4	368.7	368.3	369.6
12.5°	381.3	381.0	380.3	378.3	378.3	375.6	374.3	372.6	372.3	369.9	370.4
15°	406.0	406.0	404.7	400.6	397.3	395.0	391.7	389.3	386.0	381.7	379.4
17.5°	442.0	437.3	435.6	435.0	429.6	427.7	420.3	412.6	409.0	403.0	399.7
20°	486.0	485.0	478.3	475.0	468.3	459.0	449.6	439.7	433.7	426.3	422.4
22.5°	535.6	528.3	525.0	520.0	509.6	499.0	485.0	471.7	462.4	457.3	454.3
25°	593.7	586.3	583.0	576.4	563.6	552.3	535.0	519.4	511.0	502.7	498.0
27.5°	670.7	663.6	659.7	642.4	638.0	619.4	598.0	576.7	565.7	553.4	545.3
30°	785.7	786.0	765.3	744.4	722.7	690.4	668.0	644.0	626.0	608.3	590.7
32.5°	980.0	930.4	892.0	847.0	800.0	765.7	738.0	709.3	684.4	658.7	629.3
35°	1098.7	1074.7	1025.0	942.7	895.3	853.7	823.0	788.3	757.6	712.3	667.7
37.5°	1232.6	1177.0	1116.7	1071.0	1017.3	969.0	917.6	878.3	825.3	764.4	701.0
40°	1428.3	1348.7	1276.0	1214.7	1145.3	1094.7	1037.3	980.3	910.1	821.7	734.7
42.5°	1632.6	1550.4	1454.3	1374.7	1293.0	1233.7	1162.7	1082.7	979.4	870.1	763.6
45°	1847.0	1737.0	1622.0	1524.7	1439.7	1366.0	1278.0	1172.0	1046.0	913.4	790.7
47.5°	2058.3	1932.0	1795.0	1690.4	1579.7	1489.6	1381.7	1247.7	1098.0	954.3	817.6
50°	2244.7	2123.0	1958.0	1825.0	1713.0	1602.0	1467.4	1306.0	1139.0	989.6	842.0
52.5°	2405.3	2300.6	2127.0	1959.0	1830.1	1705.3	1536.4	1353.0	1180.3	1022.4	862.0
55°	2523.3	2453.7	2293.7	2085.3	1933.0	1784.4	1594.7	1398.3	1219.4	1048.3	875.0
57.5°	2612.3	2573.7	2436.4	2204.4	2027.7	1861.0	1655.0	1452.6	1258.0	1070.7	881.0
60°	2661.0	2671.7	2544.4	2308.3	2111.3	1925.0	1715.3	1499.0	1286.6	1083.6	877.6
62.5°	2656.4	2721.7	2625.3	2372.3	2160.0	1963.0	1756.0	1520.6	1282.7	1063.0	847.4
63°	2647.4	2723.3	2634.3	2376.7	2163.0	1964.4	1757.0	1517.6	1274.3	1053.0	835.3
65°	2569.6	2685.0	2626.6	2357.0	2136.4	1939.4	1736.0	1474.3	1215.6	999.4	773.7
67.5°	2361.7	2506.0	2489.3	2218.0	2009.9	1836.0	1628.7	1334.7	1070.7	867.4	655.6
70°	2018.0	2153.7	2156.7	1929.0	1755.3	1584.7	1412.3	1086.0	848.7	672.3	489.0
72.5°	1546.6	1634.0	1664.4	1514.3	1398.0	1278.0	1123.3	788.3	605.0	457.3	318.3
75°	1197.6	1173.7	1173.4	1109.9	1062.7	1004.0	834.0	532.0	397.3	297.3	194.7
77.5°	1076.7	969.9	866.6	790.7	752.6	733.0	547.0	320.6	234.3	171.0	112.0
80°	888.0	730.7	590.4	508.3	475.6	498.3	305.0	173.4	128.3	97.3	72.6
82.5°	612.3	508.3	386.3	320.0	274.7	287.4	156.0	88.7	59.4	54.3	45.0
85°	319.0	279.7	236.0	202.7	179.0	157.3	81.0	42.4	24.7	21.7	19.7
87.5°	0.0	0.3	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: P152710

CATALOG NUMBER: VXS-E01-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6
2.5°	352.6	352.3	353.0	353.4	354.3	355.0	355.3	354.7	355.6	356.7	356.0
5°	362.0	364.4	364.7	365.7	365.7	367.7	367.7	367.7	367.4	367.7	367.0
7.5°	369.9	373.0	373.4	374.7	375.0	377.3	376.4	377.0	377.0	375.3	374.7
10°	371.0	374.0	375.6	377.3	379.7	382.7	382.7	384.4	384.4	383.0	382.7
12.5°	371.3	373.7	375.3	377.6	381.0	385.3	387.7	389.9	391.0	390.7	389.6
15°	378.3	378.3	378.7	380.6	383.0	388.3	391.7	394.3	396.0	395.3	393.7
17.5°	396.7	394.0	392.0	388.7	389.3	392.0	394.0	396.4	396.7	396.0	393.4
20°	418.0	414.7	409.6	404.4	401.7	399.7	398.3	398.3	397.3	394.0	389.6
22.5°	448.3	444.0	437.0	429.0	423.6	417.3	409.6	402.4	394.3	386.3	377.0
25°	490.4	484.4	477.0	464.7	453.4	440.0	424.4	408.0	389.0	372.3	358.7
27.5°	532.6	519.4	500.3	483.3	462.4	442.4	420.0	400.0	375.6	355.6	340.6
30°	567.7	542.4	515.0	488.0	460.3	433.4	406.6	382.7	356.0	335.6	321.0
32.5°	594.7	559.7	521.7	486.3	452.3	419.4	388.7	362.0	335.0	314.0	298.3
35°	619.7	571.0	522.7	479.0	437.0	402.7	368.0	339.0	310.4	288.3	271.3
37.5°	638.3	576.4	516.7	465.3	417.0	378.7	343.3	313.7	284.4	260.3	241.0
40°	650.4	573.0	503.6	445.7	393.4	353.0	317.0	286.3	258.0	231.7	208.3
42.5°	660.0	568.7	490.7	427.7	374.7	330.7	293.7	260.6	232.0	203.3	177.6
45°	674.3	572.0	485.0	415.0	358.0	311.7	271.0	236.7	206.6	178.7	154.0
47.5°	688.3	573.7	476.7	399.4	337.0	292.0	250.7	217.3	186.6	161.0	138.3
50°	701.0	572.6	463.6	379.4	316.7	272.3	232.3	199.0	168.7	145.0	123.6
52.5°	707.0	567.0	447.7	360.0	300.3	255.0	214.3	182.0	152.0	129.6	110.1
55°	706.3	552.3	426.6	341.7	282.4	236.7	196.7	164.7	137.6	117.0	100.0
57.5°	696.4	529.6	404.4	321.3	258.7	214.0	176.0	145.0	122.4	105.0	90.7
60°	675.3	500.6	375.0	291.7	229.0	186.0	150.4	123.6	105.3	92.0	82.7
62.5°	636.0	459.0	338.3	250.4	189.0	149.6	118.7	101.3	87.7	79.7	75.3
63°	624.4	447.7	322.7	240.3	179.7	141.3	112.0	94.0	84.0	77.0	73.0
65°	566.3	392.0	270.1	194.0	139.7	109.0	89.9	76.4	70.4	67.4	67.0
67.5°	458.7	308.3	191.0	133.0	95.0	78.7	69.0	63.3	60.6	60.0	60.6
70°	322.0	194.7	121.3	88.3	70.4	63.3	59.0	56.7	55.0	55.3	56.0
72.5°	205.3	116.7	83.3	67.0	59.4	55.6	53.7	53.0	52.6	52.3	52.3
75°	117.0	77.6	64.0	58.0	54.0	51.0	49.3	48.7	49.0	49.3	48.7
77.5°	77.3	64.0	57.0	53.0	49.3	46.0	45.0	44.7	45.3	46.0	46.0
80°	61.0	57.0	53.0	49.0	43.0	40.6	41.3	41.7	41.3	41.7	40.6
82.5°	43.0	42.4	43.3	41.7	35.6	33.7	33.0	33.4	32.6	32.6	32.0
85°	20.0	20.0	21.0	21.0	20.3	20.6	22.4	24.4	25.3	24.4	23.0
87.5°	0.0	0.0	0.0	0.0	0.0	3.0	6.0	8.7	9.3	11.7	11.3
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: P152710

CATALOG NUMBER: VXS-E01-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6
2.5°	355.0	355.6	355.3	355.0	355.6	355.0	355.3	355.0	355.0	354.7	354.7
5°	366.3	367.4	365.3	365.0	364.4	362.7	362.7	362.0	362.0	360.6	359.7
7.5°	373.7	374.0	372.3	372.0	370.4	368.7	367.4	366.0	365.7	364.7	362.7
10°	380.6	380.0	378.7	377.0	375.3	373.0	371.3	369.6	369.3	367.7	365.3
12.5°	386.6	386.3	383.6	382.0	379.4	377.0	375.0	373.0	372.0	369.9	366.6
15°	390.7	388.7	385.3	382.4	379.4	376.7	374.3	372.0	371.0	368.7	365.3
17.5°	389.0	385.3	381.0	377.3	373.4	369.9	368.0	365.7	364.0	362.7	358.0
20°	383.0	377.6	371.0	366.6	361.3	357.0	355.6	353.4	352.0	347.0	341.0
22.5°	367.4	359.7	351.3	345.0	339.0	334.7	331.3	329.0	325.7	322.7	313.4
25°	347.7	339.0	330.4	322.7	314.7	308.0	302.0	296.4	294.7	288.3	279.4
27.5°	328.7	319.0	310.4	301.3	291.0	282.7	272.3	264.4	259.0	252.3	244.0
30°	308.3	298.7	287.0	275.0	263.0	254.0	242.4	232.6	226.0	219.0	211.3
32.5°	282.7	271.0	257.0	243.6	232.6	222.0	210.4	201.0	194.3	188.0	180.6
35°	253.4	238.0	223.0	208.3	196.7	187.7	177.3	170.4	165.7	160.0	152.3
37.5°	219.7	202.4	186.3	175.0	164.7	156.0	148.7	144.4	139.4	136.4	131.7
40°	185.7	168.7	153.0	142.7	134.0	129.0	125.0	124.0	120.6	116.7	113.7
42.5°	155.6	139.4	124.0	115.6	110.1	108.7	106.6	106.6	105.0	102.0	100.0
45°	135.3	118.3	105.0	99.0	96.0	95.6	94.7	94.7	94.3	93.0	90.7
47.5°	120.6	105.3	95.0	91.3	90.7	89.9	89.0	88.7	88.3	87.4	86.0
50°	107.4	94.3	87.7	86.0	86.3	85.3	84.4	83.3	83.0	82.0	80.6
52.5°	95.0	85.7	81.3	80.3	80.3	80.3	79.7	79.7	79.0	78.7	77.3
55°	88.0	81.0	78.7	78.3	78.0	77.6	77.0	77.0	76.4	76.0	74.3
57.5°	82.0	77.6	76.4	75.6	75.3	74.7	74.3	74.3	74.3	74.3	72.3
60°	77.3	75.3	75.0	74.3	74.0	72.6	72.0	71.7	72.0	72.3	70.4
62.5°	72.3	72.0	71.7	71.0	70.7	69.3	68.3	67.7	68.3	69.0	68.7
63°	71.0	70.7	70.7	70.4	70.1	68.3	67.4	66.6	67.4	68.0	68.0
65°	66.3	66.6	66.6	66.3	66.0	65.0	63.6	63.0	63.3	64.4	64.7
67.5°	61.3	61.7	61.3	61.7	61.3	60.6	59.7	59.0	58.7	59.0	59.4
70°	56.7	57.3	57.0	56.7	56.4	56.4	55.6	54.7	54.3	54.0	54.0
72.5°	52.6	52.6	52.0	52.0	51.7	51.7	51.0	49.9	49.6	49.6	49.0
75°	48.3	48.3	47.4	47.4	46.6	47.0	46.3	45.3	45.0	45.0	44.7
77.5°	45.7	44.7	43.0	42.7	42.4	42.4	42.0	41.0	40.6	40.6	40.3
80°	40.3	38.3	36.7	36.4	36.7	37.3	37.3	36.7	36.7	36.7	36.7
82.5°	31.3	30.7	29.6	29.0	29.0	30.1	31.3	32.0	32.6	33.4	33.4
85°	23.0	23.3	23.0	22.0	21.7	22.7	24.0	25.3	25.7	27.0	26.6
87.5°	12.3	12.6	11.7	11.3	12.3	13.0	14.3	14.7	15.3	15.6	16.0
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: P152710

CATALOG NUMBER: VXS-E01-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6
2.5°	354.3	354.0	354.3	353.7	353.7	353.0	352.3	352.0	351.3	351.0	350.4
5°	360.3	359.4	358.3	358.0	356.7	355.3	354.3	352.6	351.3	349.0	348.3
7.5°	364.4	362.0	360.6	360.3	358.3	357.3	355.0	353.0	351.0	348.0	347.0
10°	366.0	363.6	361.3	360.3	358.0	356.4	354.0	351.0	349.3	346.3	345.7
12.5°	368.0	363.6	360.0	357.3	354.0	350.4	348.0	346.3	344.0	342.4	341.7
15°	364.4	358.7	353.0	348.0	342.7	338.7	336.4	333.7	331.0	329.9	329.9
17.5°	354.3	347.0	337.3	331.0	325.3	321.0	318.0	315.3	315.0	313.7	314.3
20°	333.7	324.0	314.7	310.1	306.6	304.0	301.0	299.7	298.7	296.7	296.0
22.5°	305.0	297.0	290.4	287.0	284.4	281.0	278.3	274.3	273.4	271.3	270.4
25°	273.4	267.0	261.3	259.0	257.3	252.6	251.0	245.7	242.0	239.7	241.0
27.5°	241.7	237.0	231.7	228.7	227.7	223.3	221.7	215.6	212.6	212.6	209.3
30°	209.0	204.7	201.3	198.0	197.3	192.0	187.7	185.3	182.0	180.6	178.3
32.5°	178.3	174.0	171.3	169.6	167.0	162.7	158.3	154.3	149.0	147.0	146.0
35°	150.1	146.6	143.3	142.0	138.3	133.7	128.3	125.0	118.7	116.4	115.3
37.5°	128.3	124.4	122.0	118.3	114.7	109.6	105.7	102.7	100.3	99.4	99.4
40°	111.0	108.0	105.3	102.4	99.4	96.7	94.7	94.0	93.7	93.7	94.3
42.5°	98.0	95.3	94.0	92.3	91.3	91.3	91.0	91.3	91.7	92.0	93.0
45°	89.3	87.7	87.0	86.6	87.4	88.0	88.3	89.0	90.4	91.0	91.3
47.5°	84.7	83.3	83.0	83.3	84.4	85.7	87.0	88.0	89.0	89.3	89.6
50°	80.0	78.3	77.6	78.3	79.7	81.7	82.7	84.4	85.0	85.7	85.0
52.5°	76.0	74.7	74.3	74.3	75.6	77.0	78.3	79.7	80.0	80.0	79.7
55°	72.6	71.7	70.7	71.3	72.3	73.7	75.6	76.7	77.3	77.6	77.6
57.5°	70.1	69.0	68.0	68.7	69.6	71.0	73.0	74.0	74.7	75.6	76.0
60°	68.0	66.6	65.7	66.6	67.7	69.6	71.3	72.3	74.0	74.3	74.3
62.5°	66.0	64.7	63.0	64.0	64.0	65.0	66.6	68.0	69.6	70.4	70.4
63°	65.7	64.4	62.7	63.3	63.3	64.0	65.3	66.6	68.7	69.3	69.0
65°	63.0	62.7	61.0	61.0	60.3	61.0	62.0	63.3	64.4	65.3	65.3
67.5°	58.7	58.3	58.0	58.0	58.0	58.7	59.4	60.3	61.3	62.0	61.7
70°	53.7	53.7	53.7	54.0	54.0	54.7	55.0	54.7	55.6	56.4	56.0
72.5°	49.3	49.0	48.7	49.3	49.0	49.0	49.6	49.3	50.4	50.4	50.7
75°	44.7	44.4	44.4	44.7	44.0	43.3	43.6	43.6	44.0	44.0	44.7
77.5°	40.6	40.6	40.6	40.3	39.7	39.4	39.0	39.0	39.0	39.0	39.4
80°	37.0	37.0	37.0	36.7	36.0	35.3	34.7	34.3	34.0	32.3	32.3
82.5°	33.4	33.4	33.4	33.4	33.0	32.3	31.3	28.7	27.4	26.0	26.3
85°	26.3	27.0	27.7	28.7	28.3	28.3	26.3	23.0	21.0	19.7	20.0
87.5°	17.0	15.0	15.0	14.7	14.0	13.4	13.4	11.3	9.3	8.3	8.7
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: P152710
CATALOG NUMBER: VXS-E01-LED-E1-SLL

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	0°
2.5°	350.4	349.6	349.0	349.0	348.0	348.0	347.4	348.7	347.4	346.3	346.3	2.5°
5°	347.7	347.0	345.0	344.7	343.3	343.3	343.3	342.7	342.7	342.0	341.7	5°
7.5°	346.0	344.4	342.7	341.7	341.7	341.0	342.4	341.7	342.0	342.0	342.4	7.5°
10°	344.7	343.3	342.7	342.4	342.4	343.3	344.4	344.7	344.4	344.7	344.7	10°
12.5°	341.3	342.0	342.4	343.6	345.3	347.4	349.6	350.1	350.7	350.7	351.3	12.5°
15°	330.7	332.3	334.3	337.6	342.0	346.3	350.7	354.3	357.6	359.4	360.6	15°
17.5°	315.6	317.3	321.0	324.7	330.4	336.7	344.0	350.4	357.3	363.6	369.9	17.5°
20°	295.3	298.0	299.0	305.7	312.3	321.0	329.6	339.7	351.7	363.6	376.0	20°
22.5°	269.0	272.0	276.7	282.0	289.0	299.7	310.1	325.7	341.7	358.7	378.0	22.5°
25°	239.7	243.0	247.0	252.6	259.7	271.0	286.0	302.7	322.4	344.7	368.7	25°
27.5°	209.3	212.6	216.0	220.0	228.0	240.0	257.6	275.0	296.7	321.0	349.0	27.5°
30°	179.0	179.4	181.3	186.3	194.7	210.4	223.3	245.0	267.7	293.4	325.7	30°
32.5°	145.7	145.3	147.7	152.0	160.0	175.0	191.0	212.0	234.3	266.6	300.0	32.5°
35°	116.0	116.0	120.3	124.7	133.7	144.4	158.3	177.0	203.3	233.4	266.6	35°
37.5°	100.3	102.7	105.3	109.6	116.7	125.0	137.3	153.7	174.3	203.0	233.7	37.5°
40°	95.3	96.7	99.0	103.0	109.0	116.7	125.7	138.0	154.0	177.0	205.0	40°
42.5°	93.4	93.7	95.0	98.0	103.3	111.0	120.3	131.3	143.3	159.7	184.0	42.5°
45°	91.3	91.0	91.7	94.0	98.3	107.0	117.6	129.6	141.7	155.3	175.3	45°
47.5°	89.6	89.6	89.6	90.7	94.7	103.3	115.6	129.6	144.0	159.4	179.0	47.5°
50°	85.0	84.7	84.7	85.3	88.3	97.6	112.3	129.3	148.0	168.0	190.4	50°
52.5°	79.7	79.7	80.0	80.3	83.0	92.3	108.7	129.3	152.6	179.4	207.4	52.5°
55°	78.0	78.3	78.7	78.3	80.3	88.3	104.7	127.4	154.7	188.3	225.7	55°
57.5°	76.7	77.3	77.3	77.0	78.3	85.0	100.6	123.3	153.0	191.7	238.7	57.5°
60°	74.7	74.7	74.7	73.7	74.3	80.3	94.7	117.0	147.7	188.7	240.6	60°
62.5°	70.4	70.4	69.6	69.3	69.0	73.7	86.6	107.7	138.0	180.6	235.6	62.5°
63°	69.3	69.0	69.0	68.0	68.0	72.3	85.0	106.3	135.3	178.7	233.7	63°
65°	65.7	65.7	65.7	65.0	64.7	68.0	78.3	97.0	125.0	169.3	223.6	65°
67.5°	61.7	62.0	61.3	61.0	60.6	62.7	70.7	85.3	109.0	149.6	205.0	67.5°
70°	56.0	56.4	56.4	56.0	55.6	57.0	62.0	73.4	90.4	124.7	174.7	70°
72.5°	51.0	51.7	51.7	52.3	52.3	53.4	55.3	61.0	72.3	97.3	137.3	72.5°
75°	45.7	46.0	46.6	47.4	46.6	46.3	46.6	51.0	56.7	72.0	98.0	75°
77.5°	41.0	42.0	42.0	41.7	40.6	40.0	40.0	42.0	46.6	54.7	70.1	77.5°
80°	34.0	35.6	36.0	35.0	34.0	34.0	34.7	36.0	39.0	45.0	53.0	80°
82.5°	27.4	29.0	29.3	29.6	29.3	30.4	30.4	30.7	32.3	37.0	43.3	82.5°
85°	21.0	22.4	23.3	23.6	24.0	24.4	24.0	22.4	23.3	26.3	29.3	85°
87.5°	9.3	9.6	9.0	9.3	9.0	9.3	9.6	8.0	7.7	10.4	10.7	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: P152710

NUMBER: VXS-E01-LED-E1-SLL

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
349.6	349.6	349.6	349.6	349.6	349.6	349.6
346.0	346.0	346.3	345.7	345.7	346.0	345.0
340.6	342.0	342.0	342.0	341.3	342.0	342.4
342.0	343.0	343.6	343.6	343.3	344.7	345.7
343.6	345.3	346.0	346.0	346.0	347.7	350.1
350.1	351.3	352.3	352.3	353.0	355.0	357.6
361.7	363.3	363.3	363.0	365.0	367.4	370.4
374.7	379.4	381.7	381.3	383.0	386.0	389.3
387.0	400.0	405.7	409.6	411.3	415.3	416.4
397.3	419.0	434.7	448.0	454.3	458.3	463.0
393.7	423.0	451.0	478.3	497.6	517.3	525.7
378.7	415.3	452.0	492.0	527.0	562.0	587.4
360.3	404.4	453.7	510.4	565.7	619.4	662.0
339.4	394.0	457.3	527.4	600.0	670.4	732.0
313.0	374.3	448.3	529.0	614.7	700.0	780.0
279.7	347.7	427.4	517.0	615.3	713.0	808.7
246.3	314.0	400.6	499.7	606.6	716.0	826.6
223.0	284.0	373.7	477.6	592.6	711.3	835.3
207.0	262.4	349.6	457.6	577.6	703.0	836.7
205.7	253.0	334.0	443.0	565.7	695.6	836.7
217.0	258.0	328.7	435.6	560.6	693.4	837.3
238.3	278.0	338.3	441.3	564.7	696.4	840.3
264.0	308.3	364.4	461.0	581.7	706.3	847.0
287.4	343.3	408.7	499.0	612.6	731.7	865.7
301.0	373.4	455.6	552.3	665.7	782.0	903.0
302.7	389.9	497.3	610.4	729.9	839.7	962.7
301.3	391.3	502.7	621.3	743.6	854.0	983.3
294.0	391.7	517.6	660.0	791.0	914.3	1041.0
275.3	381.0	523.0	690.4	850.7	993.7	1148.7
243.0	350.7	507.4	691.0	873.7	1038.0	1216.7
195.3	293.0	439.7	628.7	813.0	994.3	1199.0
143.0	215.3	332.3	487.0	663.3	827.7	1027.0
95.0	139.4	224.0	347.0	475.6	595.6	739.4
65.3	86.3	131.0	208.7	291.0	349.3	471.0
48.0	57.0	72.6	106.6	140.0	172.3	246.0
30.1	32.6	36.4	52.6	75.3	101.7	153.4
8.0	8.3	7.7	10.4	16.4	15.6	17.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)