

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: P149895

Luminaire Tested: **VXS-F04-LED-E1-SL2**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P149895
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
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-SL2
Description: VISION SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (28) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10088.2 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

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



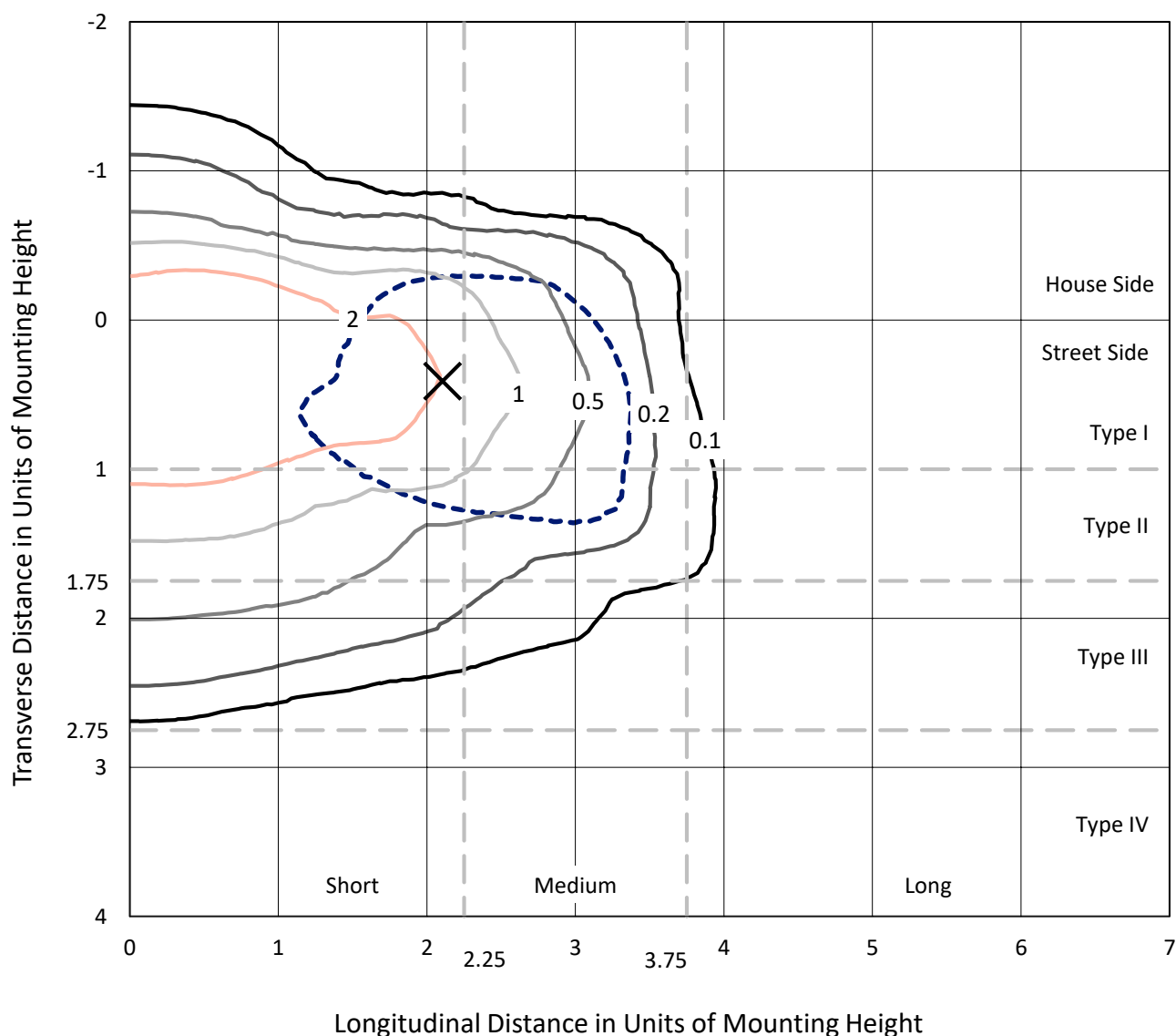
REPORT NUMBER: P149895

CATALOG NUMBER: VXS-F04-LED-E1-SL2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

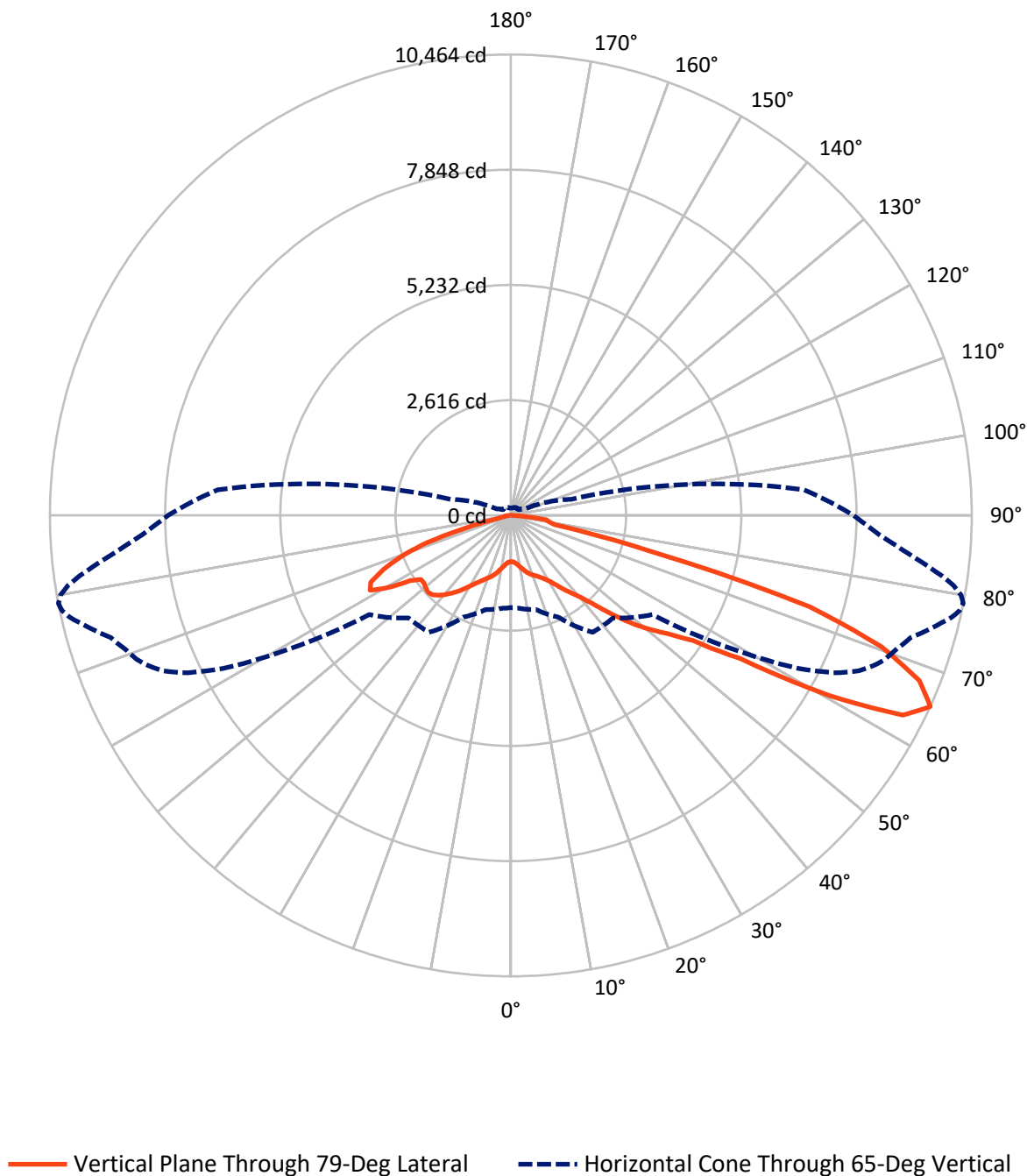


Based on 20 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P149895

CATALOG NUMBER: VXS-F04-LED-E1-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P149895

CATALOG NUMBER: VXS-F04-LED-E1-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2384.8	0.0	2384.8
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	7703.4	0.0	7703.4
	% Fixture	76.4	0.0	76.4
Total	Lumens	10088.2	0.0	10088.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	1.0
10°-20°	341.3	3.4
20°-30°	589.5	5.8
30°-40°	975.8	9.7
40°-50°	1655.0	16.4
50°-60°	2199.0	21.8
60°-70°	2840.5	28.2
70°-80°	1191.3	11.8
80°-90°	191.4	1.9
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°	10088.2	100.0
0°-180°	10088.2	100.0

Coefficient of Utilization



REPORT NUMBER: P149895

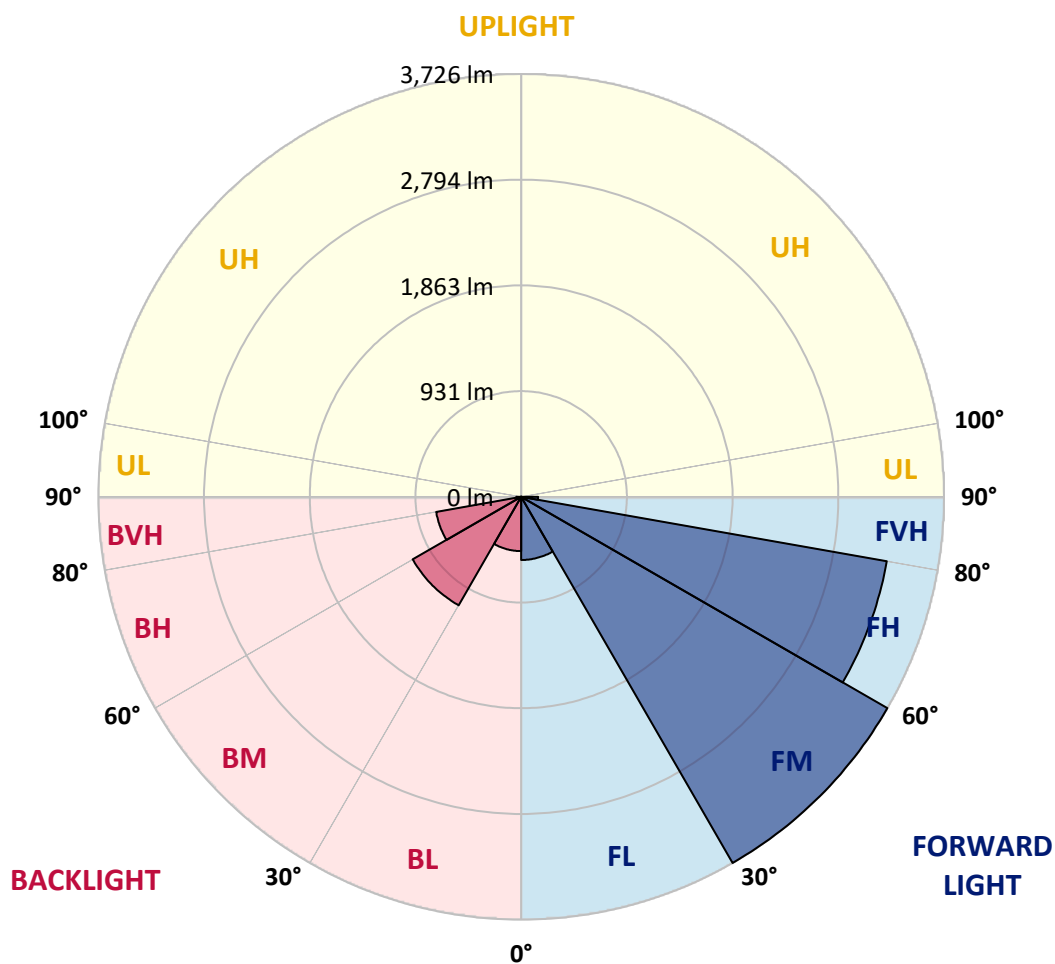
CATALOG NUMBER: VXS-F04-LED-E1-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	556.6	5.5			
FM	(30°-60°)	3725.9	36.9			
FH	(60°-80°)	3271.2	32.4			G2/5000
FVH	(80°-90°)	149.6	1.5			G2/225
BL	(0°-30°)	478.6	4.7	B1/500		
BM	(30°-60°)	1103.9	10.9	B2/2500		
BH	(60°-80°)	760.6	7.5	B2/1000		G2/1000
BVH	(80°-90°)	41.7	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-G2

Type II Short



REPORT NUMBER: P149895

CATALOG NUMBER: VXS-F04-LED-E1-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1
2.5°	1046.7	1050.1	1047.9	1050.1	1052.2	1053.4	1055.5	1054.5	1054.5	1055.5	1053.4
5°	1046.7	1046.7	1050.1	1055.5	1057.8	1064.4	1072.1	1071.0	1072.1	1071.0	1073.2
7.5°	1068.8	1067.7	1071.0	1077.6	1079.8	1089.7	1102.9	1105.1	1107.3	1107.3	1110.6
10°	1107.3	1106.2	1109.5	1112.8	1116.1	1123.8	1142.5	1150.3	1151.3	1152.4	1156.8
12.5°	1155.8	1154.6	1150.3	1150.3	1149.1	1163.4	1188.7	1203.1	1205.3	1209.6	1213.0
15°	1189.8	1186.5	1180.0	1175.5	1181.0	1204.1	1241.6	1258.1	1260.3	1263.6	1272.4
17.5°	1222.9	1219.6	1205.3	1194.3	1202.0	1239.4	1290.1	1307.7	1312.0	1315.3	1325.3
20°	1269.1	1266.9	1246.0	1219.6	1217.4	1265.8	1327.5	1350.6	1353.9	1358.2	1368.2
22.5°	1339.6	1329.6	1305.4	1255.9	1231.7	1281.2	1353.9	1385.8	1390.2	1394.6	1407.8
25°	1427.6	1423.2	1381.3	1305.4	1254.8	1296.6	1382.5	1422.1	1428.7	1434.2	1451.8
27.5°	1519.0	1512.3	1467.3	1368.2	1295.5	1327.5	1427.6	1472.7	1481.6	1490.4	1506.8
30°	1600.4	1598.2	1560.8	1453.0	1361.6	1385.8	1500.2	1555.3	1565.2	1576.2	1591.6
32.5°	1791.9	1793.1	1754.5	1644.5	1521.1	1491.4	1604.9	1687.4	1691.8	1705.0	1732.5
35°	2158.4	2162.9	2148.6	2061.7	1922.9	1800.7	1811.7	1893.2	1897.6	1908.6	1935.0
37.5°	2403.9	2412.7	2456.8	2484.2	2413.9	2357.7	2217.9	2186.0	2189.3	2182.7	2177.2
40°	2539.3	2552.5	2668.1	2811.2	2888.2	2889.3	2828.8	2687.9	2634.0	2618.5	2552.5
42.5°	2616.4	2638.3	2802.4	3046.7	3268.0	3419.9	3457.3	3301.0	3261.3	3190.9	3064.4
45°	2667.0	2693.4	2887.2	3221.8	3547.6	3806.2	4001.0	3931.7	3905.3	3862.4	3745.7
47.5°	2658.2	2679.1	2880.5	3281.1	3694.0	4061.6	4407.3	4478.8	4446.8	4435.9	4356.6
50°	2497.5	2516.2	2720.9	3133.7	3613.6	4158.4	4664.8	4867.3	4867.3	4888.2	4864.0
52.5°	2325.8	2341.1	2527.3	2898.1	3353.8	4063.8	4807.9	5143.5	5187.6	5223.9	5281.1
55°	2260.8	2279.6	2420.4	2737.4	3132.6	3793.1	4856.3	5350.5	5431.9	5493.6	5623.5
57.5°	2291.6	2310.4	2410.6	2650.5	3002.7	3516.8	4858.4	5629.0	5786.4	5913.0	6176.1
60°	2424.9	2442.5	2526.1	2730.9	2968.6	3357.1	4765.0	6072.5	6323.5	6561.2	6999.4
62.5°	2363.2	2385.2	2507.4	2864.0	3222.8	3236.1	4427.0	6416.0	6819.9	7171.1	7867.8
65°	2093.6	2116.7	2212.4	2545.9	3238.2	3288.9	3926.2	6422.6	6924.5	7398.9	8150.7
67.5°	1589.4	1598.2	1674.2	1941.7	2589.9	3347.3	3411.1	5662.0	6139.7	6669.1	7445.2
70°	812.3	827.8	849.7	1072.1	1667.6	2766.0	2931.2	4172.7	4781.5	5328.5	6260.8
72.5°	281.8	287.3	309.3	409.4	812.3	1815.0	2565.7	2859.6	3227.3	3739.1	4818.9
75°	169.5	169.5	177.2	206.9	371.0	945.5	2282.9	2335.6	2385.2	2556.9	3263.6
77.5°	134.3	136.5	136.5	142.0	205.8	485.4	1733.6	2171.7	2178.2	2194.8	2313.7
80°	95.8	100.2	109.0	113.4	133.2	266.3	973.1	1906.4	2036.3	2099.1	2186.0
82.5°	71.5	76.0	92.4	97.9	103.4	148.6	437.0	1315.3	1552.0	1677.5	1983.4
85°	31.9	37.4	62.7	69.3	72.6	79.3	204.8	374.2	430.4	483.2	637.3
87.5°	5.5	5.5	9.9	14.3	20.9	19.8	45.1	63.8	65.0	76.0	84.8
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: P149895

CATALOG NUMBER: VXS-F04-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1
2.5°	1053.4	1053.4	1053.4	1052.2	1053.4	1053.4	1053.4	1053.4	1054.5	1054.5	1054.5
5°	1076.5	1074.3	1075.3	1075.3	1075.3	1074.3	1076.5	1075.3	1076.5	1079.8	1078.7
7.5°	1110.6	1112.8	1113.9	1115.0	1115.0	1115.0	1116.1	1118.3	1118.3	1121.7	1120.5
10°	1161.2	1160.1	1161.2	1164.6	1167.9	1168.9	1172.2	1171.2	1173.4	1177.7	1182.2
12.5°	1215.1	1217.4	1220.7	1223.9	1229.4	1230.6	1233.9	1235.0	1241.6	1241.6	1246.0
15°	1275.8	1276.8	1283.4	1284.6	1291.1	1293.4	1298.9	1301.0	1308.7	1309.8	1314.2
17.5°	1330.8	1333.0	1336.3	1339.6	1347.3	1350.6	1354.9	1359.4	1366.0	1368.2	1375.9
20°	1374.8	1379.2	1380.3	1386.8	1393.5	1397.9	1402.3	1406.7	1413.3	1416.6	1424.4
22.5°	1414.4	1418.8	1422.1	1427.6	1432.0	1438.7	1440.8	1448.5	1455.1	1460.6	1467.3
25°	1457.3	1463.9	1467.3	1477.1	1480.4	1487.0	1492.5	1500.2	1509.0	1515.6	1524.5
27.5°	1517.8	1527.8	1532.1	1543.2	1550.9	1554.2	1563.0	1574.0	1581.7	1589.4	1598.2
30°	1601.6	1620.2	1623.5	1631.2	1645.6	1647.8	1658.8	1667.6	1679.7	1687.4	1695.1
32.5°	1731.4	1754.5	1756.7	1765.5	1777.6	1782.1	1790.9	1800.7	1819.5	1822.8	1834.8
35°	1930.7	1940.5	1949.3	1952.6	1962.6	1968.1	1974.6	1985.7	2004.4	2002.2	2015.3
37.5°	2169.4	2172.7	2173.9	2162.9	2165.1	2155.1	2167.3	2169.4	2176.1	2181.6	2194.8
40°	2510.7	2476.6	2472.1	2445.8	2419.4	2405.1	2399.5	2377.5	2383.0	2385.2	2396.3
42.5°	3009.3	2943.3	2888.2	2850.8	2785.9	2754.0	2711.0	2676.9	2650.5	2660.4	2664.8
45°	3641.1	3546.4	3458.4	3343.9	3259.2	3198.7	3122.7	3054.4	3023.6	3009.3	3026.9
47.5°	4271.8	4188.2	4084.7	3966.9	3832.6	3732.4	3605.9	3494.7	3417.7	3389.0	3404.5
50°	4816.7	4739.6	4661.5	4592.1	4435.9	4326.8	4154.0	4009.8	3888.8	3827.2	3810.7
52.5°	5269.0	5228.3	5186.5	5128.2	5002.7	4893.7	4756.2	4614.1	4453.5	4328.0	4285.0
55°	5673.1	5697.2	5676.3	5677.4	5627.9	5558.5	5441.9	5336.2	5223.9	5082.0	5022.5
57.5°	6261.9	6405.0	6433.6	6505.2	6540.3	6577.8	6610.8	6548.1	6519.5	6413.8	6414.9
60°	7189.7	7398.9	7580.5	7745.6	7881.0	8013.1	8151.8	8213.5	8281.7	8313.6	8422.6
62.5°	8177.1	8376.4	8647.0	8868.3	8992.7	9164.5	9315.2	9413.2	9533.2	9660.8	9827.0
65°	8421.5	8661.5	8832.0	8979.5	9102.8	9194.2	9276.7	9393.4	9493.6	9696.1	9892.0
67.5°	7795.1	7986.6	8143.0	8288.3	8384.0	8461.0	8534.8	8611.9	8783.6	8967.4	9164.5
70°	6691.2	6922.3	7180.9	7369.2	7416.5	7482.6	7553.0	7653.2	7739.1	7931.6	8081.3
72.5°	5375.9	5708.2	5927.3	6188.2	6244.2	6344.5	6384.0	6462.2	6477.6	6582.2	6621.8
75°	3746.7	4127.7	4347.8	4539.3	4576.7	4521.7	4543.7	4267.5	4197.0	4139.7	4093.5
77.5°	2473.3	2575.6	2610.9	2580.0	2432.5	2317.0	2193.7	2072.6	2085.8	1987.9	1816.2
80°	2199.2	2222.3	2190.4	2159.6	2074.8	1953.8	1842.6	1729.2	1673.1	1613.6	1525.6
82.5°	2139.8	2228.9	2238.9	2201.5	2134.3	2002.2	1867.9	1699.5	1556.4	1424.4	1290.1
85°	715.4	870.7	940.0	1005.0	1024.8	1047.9	968.6	860.7	730.9	643.9	504.1
87.5°	91.4	113.4	131.0	112.2	131.0	154.1	111.2	124.4	125.5	78.1	58.3
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: P149895

CATALOG NUMBER: VXS-F04-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1
2.5°	1055.5	1054.5	1054.5	1054.5	1053.4	1054.5	1054.5	1054.5	1054.5	1054.5	1053.4
5°	1079.8	1079.8	1083.1	1084.1	1082.0	1080.9	1082.0	1083.1	1083.1	1082.0	1083.1
7.5°	1124.9	1126.0	1128.2	1131.5	1129.3	1130.5	1131.5	1130.5	1133.7	1134.8	1133.7
10°	1182.2	1184.4	1189.8	1191.0	1189.8	1194.3	1195.3	1193.2	1195.3	1195.3	1199.8
12.5°	1248.2	1250.4	1257.0	1259.2	1261.5	1262.5	1265.8	1266.9	1270.3	1272.4	1275.8
15°	1319.7	1322.0	1326.3	1334.1	1336.3	1338.4	1340.6	1347.3	1348.4	1352.7	1356.1
17.5°	1380.3	1383.6	1390.2	1395.6	1399.0	1404.5	1406.7	1414.4	1416.6	1423.2	1428.7
20°	1428.7	1434.2	1439.7	1446.3	1451.8	1458.4	1460.6	1468.3	1472.7	1476.1	1482.7
22.5°	1472.7	1479.4	1487.0	1494.7	1499.2	1508.0	1511.3	1514.6	1524.5	1528.9	1535.4
25°	1529.9	1536.6	1545.4	1555.3	1559.7	1570.7	1574.0	1579.5	1590.5	1594.9	1604.9
27.5°	1608.1	1616.9	1623.5	1633.5	1639.0	1646.6	1654.3	1660.9	1670.9	1677.5	1688.5
30°	1706.1	1712.6	1723.7	1731.4	1740.2	1751.2	1760.0	1766.6	1772.1	1782.1	1794.1
32.5°	1850.3	1851.4	1854.7	1873.4	1882.2	1891.0	1903.1	1908.6	1917.4	1927.4	1940.5
35°	2029.7	2039.6	2047.3	2056.1	2066.0	2076.0	2080.3	2096.8	2104.6	2117.7	2131.0
37.5°	2208.0	2209.1	2226.7	2232.2	2241.0	2250.9	2266.3	2282.9	2302.7	2315.9	2336.8
40°	2399.5	2408.3	2430.4	2441.3	2452.3	2476.6	2488.7	2515.1	2548.1	2566.8	2602.1
42.5°	2676.9	2690.2	2729.7	2747.4	2773.8	2813.4	2838.8	2875.0	2888.2	2933.4	2949.8
45°	3040.1	3080.8	3138.1	3175.5	3222.8	3265.8	3287.8	3304.4	3324.1	3359.4	3354.9
47.5°	3433.1	3485.9	3549.7	3626.8	3657.6	3708.3	3736.9	3768.8	3751.2	3742.4	3733.6
50°	3836.0	3897.6	3982.4	4051.7	4099.0	4129.8	4154.0	4149.6	4112.2	4092.4	4037.4
52.5°	4283.9	4320.2	4400.6	4460.0	4488.7	4495.2	4489.7	4456.7	4421.6	4358.8	4293.8
55°	4970.8	4954.3	4986.2	5013.7	5004.9	5035.8	4956.5	4925.6	4838.7	4757.2	4670.3
57.5°	6366.4	6388.5	6210.2	6129.8	6115.4	6144.1	6004.4	5986.7	5776.5	5750.1	5603.6
60°	8407.2	8515.0	8375.2	8297.1	8085.7	8016.4	7860.1	7795.1	7593.7	7430.8	7225.0
62.5°	9941.6	10039.5	10097.8	9986.6	9863.4	9681.8	9445.1	9183.1	8969.6	8719.8	8501.8
65°	10080.2	10278.3	10412.6	10464.4	10377.4	10178.1	9886.5	9556.3	9229.3	8915.6	8640.5
67.5°	9431.9	9609.1	9817.1	10003.2	10014.2	9884.2	9635.5	9299.8	8922.3	8534.8	8212.3
70°	8318.0	8540.3	8722.0	8917.8	9054.4	8979.5	8855.1	8546.9	8155.1	7853.5	7482.6
72.5°	6764.9	6858.4	6902.5	7095.1	7097.3	6960.8	6872.7	6702.2	6386.2	6172.7	5889.8
75°	3950.4	3744.6	3525.5	3335.1	3179.9	3115.0	2826.6	2778.1	2584.5	2464.5	2288.4
77.5°	1629.0	1445.2	1208.6	1011.5	816.7	728.7	600.9	544.9	472.2	440.3	419.4
80°	1396.8	1222.9	1044.6	874.0	722.1	570.2	443.6	344.6	270.8	230.1	213.6
82.5°	1140.3	1035.8	911.4	819.0	700.0	586.6	495.3	384.1	287.3	211.3	161.8
85°	411.7	337.9	271.9	249.8	199.3	164.0	137.6	117.8	96.9	77.1	68.3
87.5°	46.2	44.0	25.3	24.2	27.6	19.8	23.1	20.9	17.6	15.4	16.5
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: P149895

CATALOG NUMBER: VXS-F04-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1
2.5°	1053.4	1053.4	1054.5	1054.5	1055.5	1056.7	1058.9	1057.8	1057.8	1058.9	1058.9
5°	1083.1	1086.4	1085.3	1085.3	1085.3	1086.4	1087.5	1083.1	1078.7	1074.3	1072.1
7.5°	1134.8	1137.0	1139.3	1137.0	1139.3	1138.1	1136.0	1123.8	1109.5	1091.9	1079.8
10°	1202.0	1202.0	1204.1	1203.1	1207.5	1204.1	1197.5	1170.1	1139.3	1101.8	1074.3
12.5°	1274.6	1282.3	1279.0	1280.1	1288.9	1280.1	1264.7	1223.9	1168.9	1108.4	1060.0
15°	1360.4	1363.7	1366.0	1362.7	1368.2	1360.4	1333.0	1268.0	1187.7	1102.9	1031.4
17.5°	1430.9	1432.0	1433.2	1435.3	1443.0	1434.2	1386.8	1298.9	1192.0	1077.6	982.9
20°	1485.9	1491.4	1495.9	1495.9	1506.8	1493.7	1430.9	1314.2	1177.7	1035.8	921.2
22.5°	1543.2	1547.6	1553.1	1554.2	1568.5	1555.3	1467.3	1311.0	1140.3	976.3	849.7
25°	1613.6	1618.0	1622.4	1628.0	1647.8	1629.0	1503.5	1297.7	1088.6	905.9	772.6
27.5°	1695.1	1705.0	1708.3	1717.1	1740.2	1711.6	1534.4	1277.9	1031.4	824.5	691.2
30°	1804.0	1816.2	1820.5	1832.6	1864.6	1801.9	1552.0	1243.8	958.8	741.9	604.2
32.5°	1950.5	1966.9	1980.2	1993.4	2029.7	1892.1	1554.2	1194.3	874.0	649.4	520.6
35°	2142.0	2167.3	2177.2	2186.0	2220.1	1990.1	1544.2	1120.5	770.5	554.7	454.6
37.5°	2356.6	2381.9	2388.5	2393.0	2399.5	2073.7	1520.1	1008.3	653.8	472.2	401.8
40°	2620.7	2642.8	2651.6	2645.0	2609.7	2138.7	1466.1	877.3	540.4	416.1	368.7
42.5°	2943.3	2976.3	2979.6	2949.8	2833.2	2175.0	1358.2	723.1	451.3	375.3	343.4
45°	3342.8	3340.6	3321.9	3301.0	3076.5	2160.7	1207.5	588.9	395.1	343.4	320.3
47.5°	3701.7	3664.2	3635.6	3574.0	3291.1	2077.0	1012.6	487.6	361.0	319.2	300.5
50°	3995.5	3927.3	3866.7	3799.6	3450.7	1928.4	819.0	413.9	329.1	298.2	281.8
52.5°	4227.8	4145.3	4074.8	4008.7	3604.8	1763.3	671.4	359.9	298.2	277.4	260.8
55°	4591.0	4508.5	4396.2	4323.5	3840.3	1611.4	575.6	317.0	268.6	255.3	238.9
57.5°	5510.2	5437.4	5303.2	5114.9	4445.7	1554.2	521.8	283.9	244.4	236.7	223.4
60°	7114.9	6997.1	6822.2	6630.6	5676.3	1592.7	478.8	260.8	227.9	221.2	211.3
62.5°	8325.7	8118.8	7920.6	7743.4	6660.3	1591.6	422.7	243.2	215.8	212.4	202.5
65°	8375.2	8165.0	7965.8	7779.8	6682.4	1416.6	356.6	227.9	213.6	212.4	196.0
67.5°	7930.6	7702.7	7510.1	7275.6	6185.9	1107.3	286.2	217.9	222.4	220.1	193.7
70°	7204.0	6906.9	6748.4	6517.2	5444.0	774.9	235.5	221.2	241.0	234.4	197.0
72.5°	5654.3	5429.7	5188.7	5028.0	4261.9	489.8	198.1	223.4	248.8	237.7	205.8
75°	2104.6	2165.1	2066.0	2030.8	2165.1	287.3	176.1	208.1	222.4	205.8	187.2
77.5°	424.9	406.1	385.3	380.8	492.0	177.2	161.8	180.5	170.6	150.8	151.9
80°	203.6	198.1	191.5	190.5	182.7	147.5	149.7	154.1	128.8	116.7	124.4
82.5°	135.3	127.7	125.5	121.0	123.3	132.1	142.0	132.1	99.1	92.4	112.2
85°	62.7	60.5	59.5	59.5	66.0	118.9	117.8	96.9	68.3	66.0	112.2
87.5°	15.4	15.4	16.5	15.4	17.6	35.2	30.8	29.7	25.3	28.6	52.8
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: P149895

CATALOG NUMBER: VXS-F04-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1050.1	1050.1	1050.1
2.5°	1057.8	1058.9	1057.8
5°	1067.7	1067.7	1067.7
7.5°	1067.7	1064.4	1063.3
10°	1052.2	1042.4	1042.4
12.5°	1025.8	1009.3	1007.2
15°	976.3	954.3	951.0
17.5°	913.6	883.8	878.3
20°	843.1	805.7	799.1
22.5°	766.1	723.1	719.9
25°	690.2	646.1	637.3
27.5°	605.4	562.5	558.0
30°	520.6	483.2	481.0
32.5°	449.1	426.0	421.6
35°	398.4	385.3	379.8
37.5°	365.4	355.5	354.4
40°	340.1	331.3	330.3
42.5°	319.2	311.5	310.4
45°	298.2	291.7	289.5
47.5°	277.4	270.8	269.6
50°	258.7	249.8	248.8
52.5°	241.0	232.2	230.1
55°	224.6	215.8	215.8
57.5°	210.3	201.5	200.3
60°	197.0	188.2	187.2
62.5°	187.2	176.1	175.0
65°	179.4	168.4	166.2
67.5°	175.0	161.8	158.5
70°	182.7	158.5	153.0
72.5°	183.8	155.2	147.5
75°	177.2	146.4	140.9
77.5°	155.2	131.0	125.5
80°	134.3	101.2	93.6
82.5°	127.7	82.6	71.5
85°	99.1	53.9	50.7
87.5°	56.2	29.7	24.2
90°	0.0	0.0	0.0

(END OF REPORT)