

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: STREETWORKS

Report Number: P158224

Luminaire Tested: **VST-F04-LED-E-U-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158224
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F04-LED-E-U-SL2-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9074.4 lumens
Efficiency: N/A
Efficacy: 88.8 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

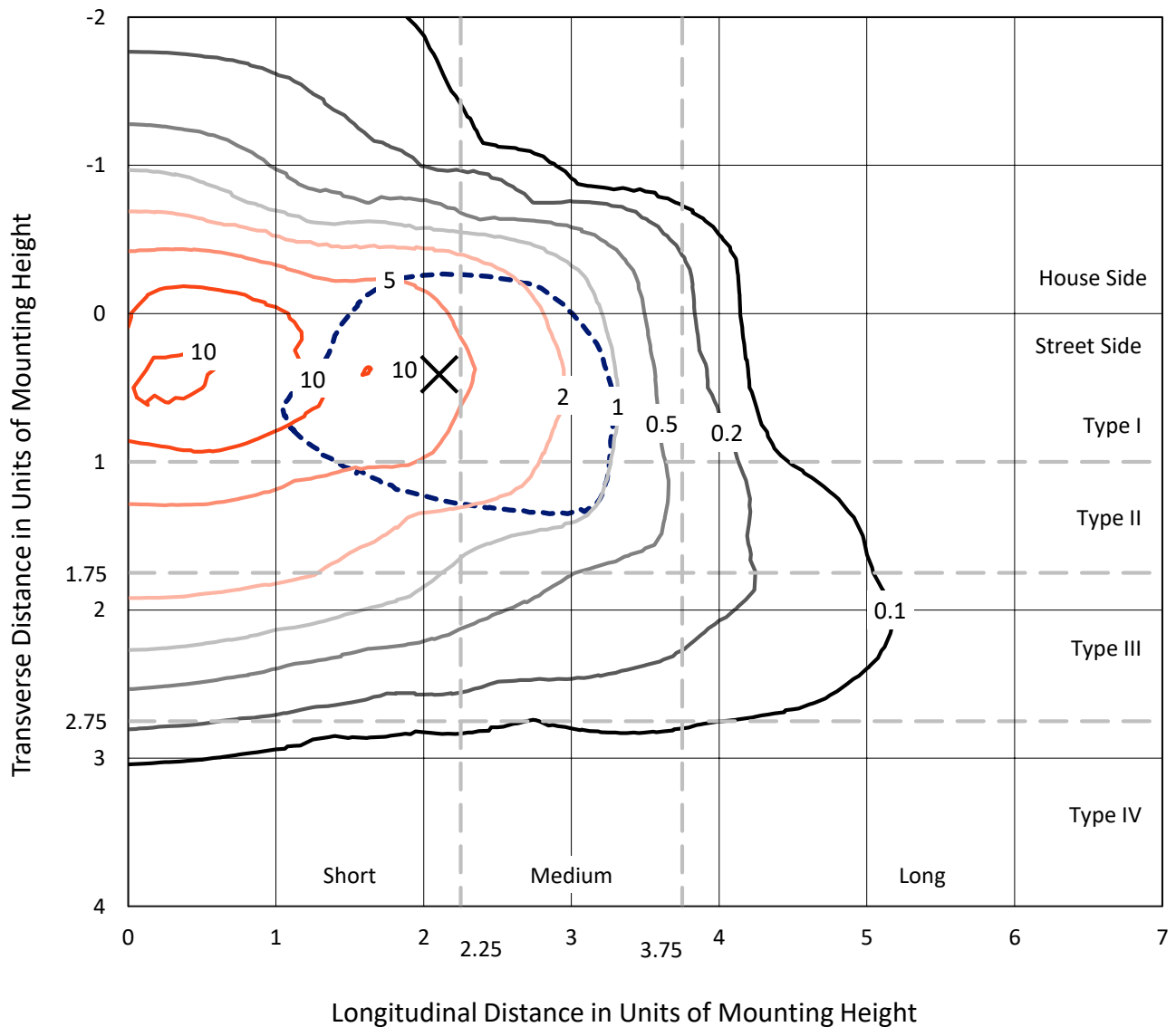
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P158224
 CATALOG NUMBER: VST-F04-LED-E-U-SL2-7030

Iso-Footcandle Lines of Horizontal Illumination

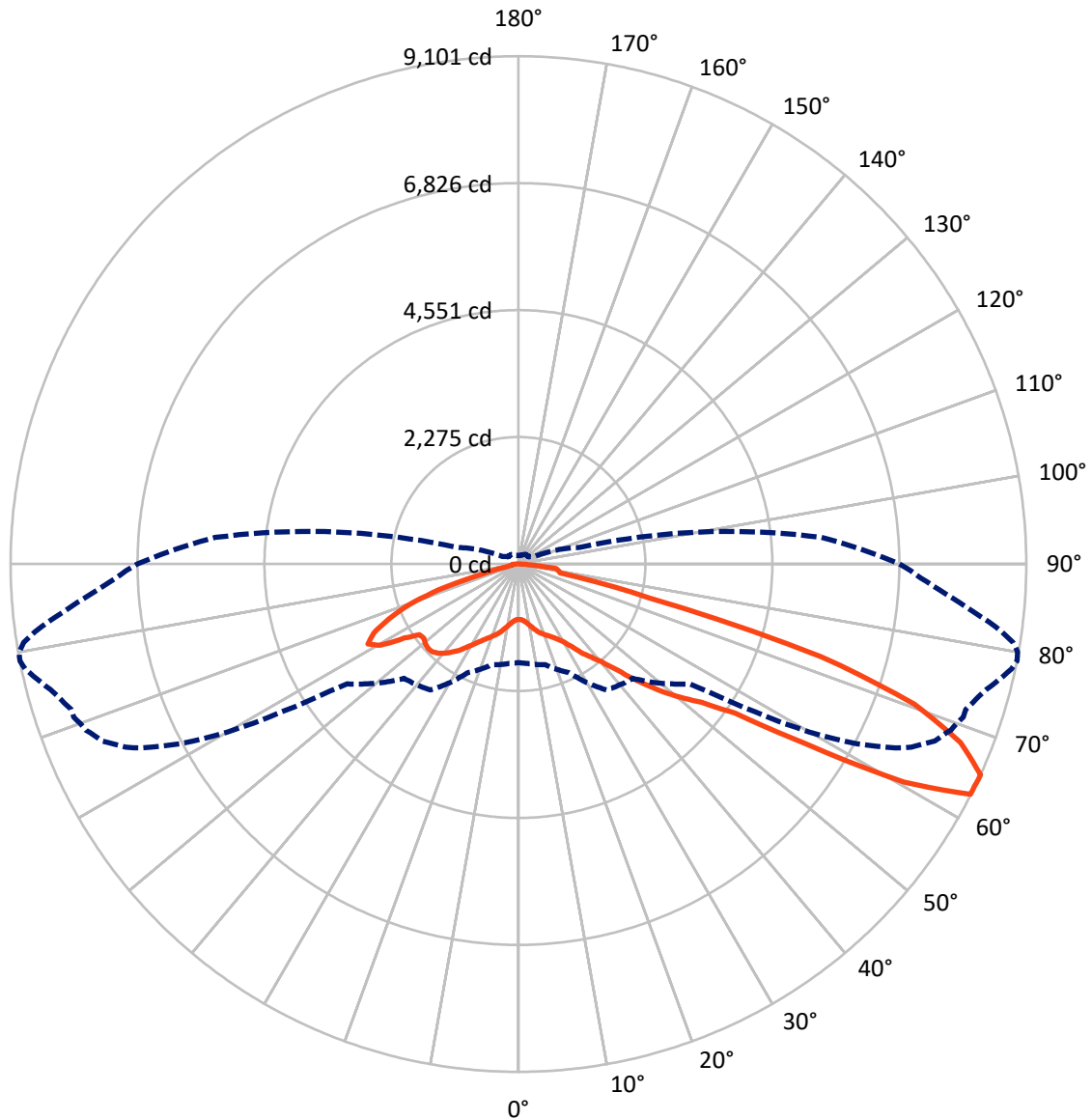
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P158224
CATALOG NUMBER: VST-F04-LED-E-U-SL2-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P158224

CATALOG NUMBER: VST-F04-LED-E-U-SL2-7030

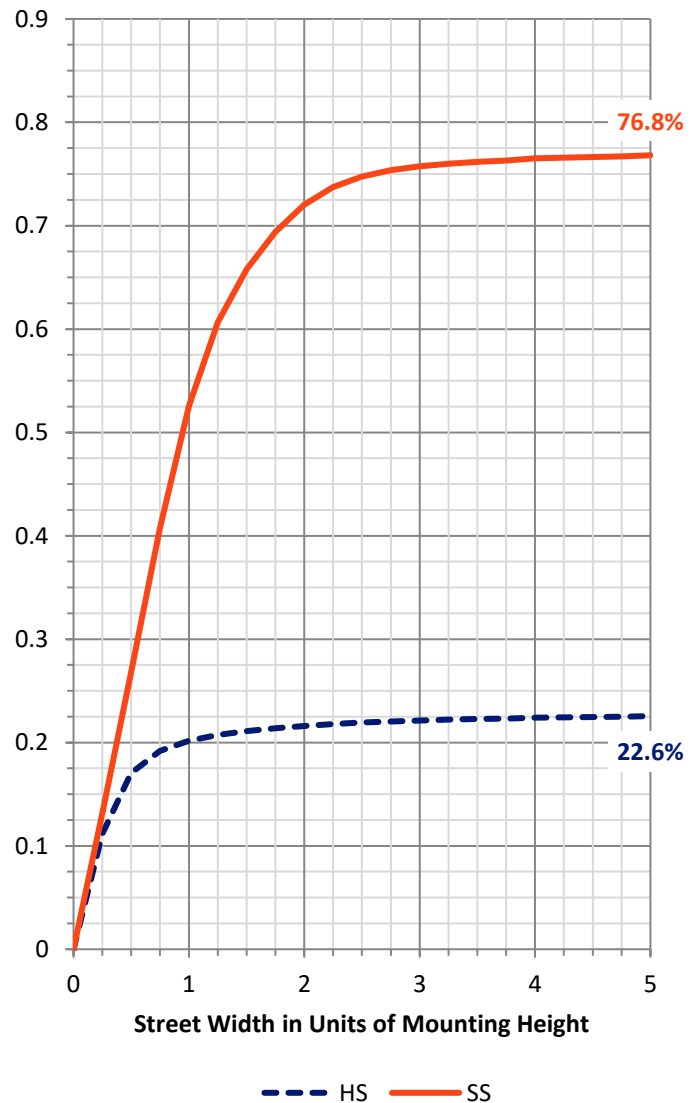
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2085.1	0.0	2085.1
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	6989.2	0.0	6989.2
	% Fixture	77.0	0.0	77.0
Total	Lumens	9074.4	0.0	9074.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	1.1
10°-20°	319.0	3.5
20°-30°	550.0	6.1
30°-40°	900.9	9.9
40°-50°	1508.6	16.6
50°-60°	2040.7	22.5
60°-70°	2513.1	27.7
70°-80°	972.8	10.7
80°-90°	171.1	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°	9074.4	100.0
0°-180°	9074.4	100.0



REPORT NUMBER: P158224

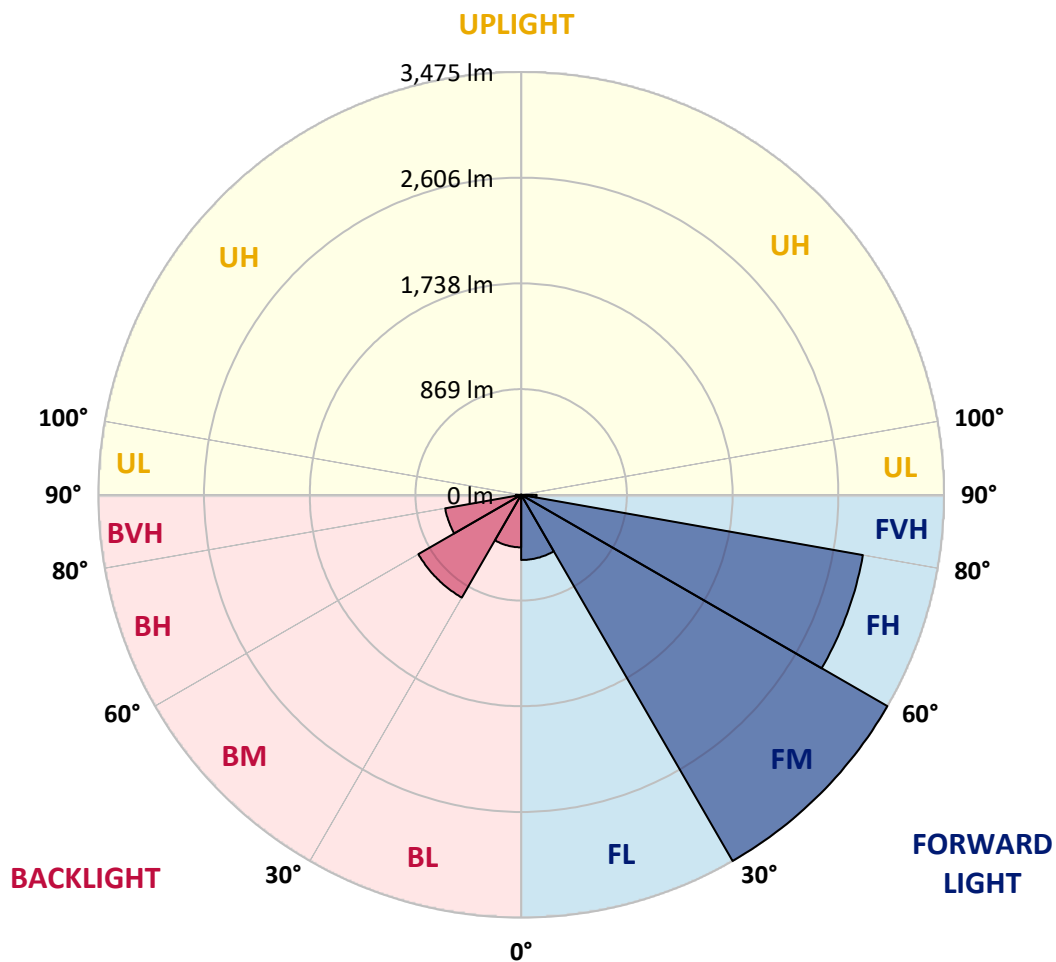
CATALOG NUMBER: VST-F04-LED-E-U-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	535.7	5.9			
FM (30°-60°)	3475.1	38.3			
FH (60°-80°)	2851.5	31.4			G2/5000
FVH (80°-90°)	126.9	1.4			G2/225
BL (0°-30°)	431.5	4.8	B1/500		
BM (30°-60°)	975.1	10.7	B1/1000		
BH (60°-80°)	634.4	7.0	B2/1000		G2/1000
BVH (80°-90°)	44.1	0.5			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: P158224

CATALOG NUMBER: VST-F04-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9
2.5°	994.7	991.7	994.7	997.1	998.9	1001.3	1000.7	1000.1	999.5	1000.1	1000.1
5°	1003.1	1002.5	1005.5	1007.9	1012.2	1015.2	1018.8	1018.8	1018.8	1018.2	1019.4
7.5°	1030.3	1029.7	1032.7	1035.1	1038.7	1044.7	1049.6	1052.0	1051.4	1051.4	1051.4
10°	1074.9	1072.5	1072.5	1072.5	1077.3	1081.5	1092.4	1093.6	1096.0	1094.8	1095.4
12.5°	1118.3	1118.9	1117.1	1115.3	1115.9	1124.4	1140.0	1143.1	1143.7	1145.5	1146.7
15°	1157.5	1156.9	1152.7	1148.5	1153.9	1168.4	1188.9	1194.3	1194.3	1197.9	1200.4
17.5°	1193.7	1192.5	1184.7	1177.4	1182.9	1207.6	1239.6	1243.2	1248.6	1250.4	1252.8
20°	1236.5	1234.1	1225.1	1205.8	1205.8	1239.6	1281.8	1285.4	1290.2	1291.4	1295.7
22.5°	1296.3	1290.2	1270.9	1235.9	1226.3	1265.5	1317.4	1319.2	1322.8	1327.6	1331.3
25°	1363.8	1365.0	1333.7	1272.7	1251.6	1292.6	1351.8	1354.8	1361.4	1365.0	1369.3
27.5°	1433.8	1435.6	1400.6	1324.6	1289.0	1330.0	1398.2	1401.8	1409.7	1413.9	1420.5
30°	1513.4	1515.8	1482.0	1405.4	1351.2	1384.9	1467.0	1476.6	1483.3	1488.7	1499.5
32.5°	1704.6	1690.2	1666.6	1585.2	1499.5	1497.1	1578.0	1588.8	1597.9	1609.3	1619.6
35°	1945.3	1954.4	1966.4	1911.5	1836.1	1781.2	1787.9	1781.8	1790.3	1807.2	1817.4
37.5°	2135.9	2155.8	2208.3	2243.9	2240.9	2230.0	2128.7	2128.7	2134.1	2125.1	2123.8
40°	2285.5	2298.2	2405.5	2543.7	2660.1	2717.4	2637.2	2625.7	2631.7	2585.3	2587.1
42.5°	2362.7	2381.4	2535.8	2778.3	3009.3	3193.3	3168.6	3160.7	3142.6	3131.2	3123.9
45°	2401.9	2424.2	2608.2	2941.2	3277.8	3561.9	3689.7	3688.5	3672.2	3659.0	3652.9
47.5°	2382.0	2401.3	2597.4	2990.6	3418.9	3799.5	4082.4	4099.9	4095.1	4114.4	4122.2
50°	2251.7	2276.5	2473.1	2883.9	3359.8	3893.0	4354.5	4387.0	4431.1	4458.8	4495.6
52.5°	2134.1	2154.6	2332.0	2710.8	3165.6	3817.0	4518.5	4585.5	4645.8	4702.5	4746.5
55°	2011.1	2031.6	2187.2	2531.0	2969.5	3592.6	4593.3	4691.0	4785.1	4881.1	4969.1
57.5°	1964.6	1986.3	2102.1	2391.7	2809.1	3370.0	4630.1	4790.6	4943.8	5106.6	5275.5
60°	2085.2	2104.5	2192.6	2395.3	2686.6	3147.5	4555.9	4808.1	5071.7	5340.1	5599.5
62.5°	2048.4	2058.7	2168.5	2482.7	2842.9	2927.9	4234.4	4567.4	4950.4	5343.7	5741.2
65°	1767.4	1787.3	1869.9	2146.2	2755.4	2898.4	3744.6	4079.4	4531.2	4996.3	5528.9
67.5°	1267.9	1240.2	1304.1	1546.0	2137.7	2893.5	3193.3	3441.2	3795.3	4151.8	4588.5
70°	576.1	562.8	612.8	804.1	1289.6	2286.7	2699.9	2783.7	2915.2	3155.3	3450.3
72.5°	227.4	226.8	259.4	332.4	609.8	1471.8	2270.4	2318.7	2365.1	2469.5	2596.8
75°	149.0	149.0	158.6	179.1	300.4	710.6	1920.6	1964.6	2035.8	2065.3	2119.6
77.5°	112.2	112.8	117.0	121.8	165.9	374.0	1355.4	1511.6	1632.2	1722.1	1787.9
80°	79.6	83.2	91.1	94.1	108.0	212.9	766.1	878.9	1015.2	1160.5	1343.3
82.5°	59.7	63.9	77.2	80.8	85.7	121.2	345.6	392.1	457.8	593.5	853.5
85°	27.7	30.8	53.1	57.9	62.1	70.0	175.5	196.0	222.6	243.7	284.1
87.5°	4.2	3.0	9.0	12.7	19.9	20.5	60.3	71.8	77.8	93.5	97.1
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: P158224

CATALOG NUMBER: VST-F04-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9
2.5°	1000.1	1000.7	1001.3	1000.1	1000.7	1000.7	999.5	998.9	998.9	998.9	999.5
5°	1019.4	1020.6	1019.4	1020.0	1022.4	1021.8	1020.6	1020.0	1022.4	1023.0	1021.2
7.5°	1053.8	1054.4	1052.0	1055.0	1056.2	1056.8	1056.8	1058.0	1058.0	1059.8	1058.0
10°	1097.8	1097.8	1102.0	1101.4	1102.0	1103.2	1103.8	1106.3	1108.1	1108.1	1109.3
12.5°	1148.5	1149.1	1153.3	1153.9	1156.3	1156.9	1160.5	1158.1	1164.2	1164.2	1166.0
15°	1201.0	1205.2	1205.8	1211.8	1213.0	1213.6	1218.5	1218.5	1222.7	1223.3	1224.5
17.5°	1252.8	1256.5	1258.9	1263.7	1267.9	1269.7	1271.5	1275.2	1278.2	1279.4	1282.4
20°	1297.5	1301.1	1303.5	1308.3	1311.9	1315.0	1316.8	1321.0	1324.0	1325.2	1329.4
22.5°	1334.9	1337.3	1341.5	1348.1	1349.3	1353.0	1358.4	1361.4	1362.6	1366.2	1371.1
25°	1374.7	1378.3	1380.7	1386.7	1391.6	1397.6	1402.4	1407.3	1408.5	1413.3	1417.5
27.5°	1427.8	1431.4	1432.0	1444.0	1448.9	1457.3	1462.7	1470.0	1473.6	1477.8	1486.3
30°	1506.2	1514.6	1518.2	1532.1	1534.5	1544.2	1553.8	1556.2	1561.7	1562.3	1576.1
32.5°	1626.2	1638.3	1643.1	1657.6	1661.2	1670.2	1675.7	1688.3	1688.9	1695.0	1698.0
35°	1822.9	1819.8	1838.5	1842.2	1853.0	1860.9	1866.3	1866.3	1877.7	1878.3	1882.0
37.5°	2091.3	2085.2	2090.1	2068.4	2073.8	2064.1	2062.3	2064.7	2059.9	2061.1	2060.5
40°	2520.8	2493.6	2465.3	2398.3	2383.8	2356.1	2334.4	2316.9	2300.0	2281.9	2269.8
42.5°	3059.4	3020.2	2978.0	2870.6	2820.5	2766.9	2714.4	2684.2	2623.9	2587.1	2567.2
45°	3624.0	3578.2	3519.0	3429.8	3358.6	3301.3	3205.4	3160.1	3066.6	3020.2	2957.5
47.5°	4086.6	4087.2	4039.6	3949.1	3873.1	3835.1	3775.4	3687.9	3581.8	3522.1	3410.5
50°	4491.4	4490.8	4487.8	4433.5	4380.4	4338.8	4286.3	4207.3	4120.4	4052.9	3925.0
52.5°	4790.6	4830.4	4847.3	4846.7	4840.0	4820.7	4780.9	4712.8	4624.7	4586.7	4484.8
55°	5037.9	5124.7	5170.0	5268.9	5278.0	5309.9	5274.9	5275.5	5223.7	5227.3	5194.7
57.5°	5412.5	5571.1	5662.2	5881.1	5990.9	6123.6	6100.1	6211.1	6251.5	6302.8	6370.9
60°	5837.7	6133.9	6349.8	6785.3	6962.7	7177.4	7295.6	7421.7	7513.4	7607.5	7676.9
62.5°	6141.7	6530.8	6885.5	7506.2	7736.6	7962.8	8111.8	8264.4	8367.5	8435.1	8485.1
65°	6017.5	6447.5	6866.8	7517.6	7768.5	7932.6	8110.0	8198.0	8301.2	8357.3	8429.0
67.5°	5113.3	5544.6	5993.9	6761.8	7024.2	7251.0	7389.1	7503.1	7586.4	7657.6	7740.2
70°	3802.5	4274.2	4738.7	5580.8	5911.9	6239.4	6402.3	6543.5	6630.3	6702.1	6793.2
72.5°	2736.7	3032.3	3322.4	4265.2	4596.3	5019.8	5188.7	5345.5	5458.3	5454.7	5551.2
75°	2178.7	2298.8	2427.9	2914.6	3152.3	3509.4	3604.1	3692.2	3639.1	3537.1	3531.1
77.5°	1813.8	1863.3	1906.7	2059.3	2094.3	2179.3	2132.3	2083.4	1926.0	1793.3	1723.3
80°	1472.4	1570.1	1634.1	1742.6	1787.3	1812.6	1819.2	1802.3	1744.4	1664.2	1536.3
82.5°	1094.8	1280.6	1407.3	1620.8	1699.2	1715.5	1746.9	1727.5	1689.5	1624.4	1532.7
85°	320.9	363.1	416.2	564.6	661.7	744.3	828.8	870.4	896.3	860.2	765.5
87.5°	112.8	127.3	142.4	196.0	208.7	252.1	247.3	291.9	293.8	306.4	293.2
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: P158224

CATALOG NUMBER: VST-F04-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9
2.5°	998.9	998.9	998.9	999.5	999.5	999.5	998.3	997.7	998.3	999.5	999.5
5°	1022.4	1023.0	1024.2	1021.8	1022.4	1024.2	1023.0	1022.4	1023.0	1024.2	1023.0
7.5°	1060.4	1061.0	1059.8	1062.2	1062.2	1063.4	1065.2	1063.4	1064.0	1064.6	1065.2
10°	1109.9	1110.5	1111.7	1113.5	1114.1	1115.3	1116.5	1118.3	1118.3	1117.1	1120.1
12.5°	1169.0	1168.4	1169.6	1172.0	1173.2	1175.0	1178.6	1178.6	1181.1	1180.5	1183.5
15°	1226.9	1229.9	1230.5	1234.7	1236.5	1239.6	1243.8	1246.2	1246.2	1249.8	1251.0
17.5°	1284.8	1287.2	1289.6	1293.2	1295.7	1297.5	1302.3	1305.3	1304.7	1311.3	1311.3
20°	1329.4	1334.3	1337.3	1339.7	1343.9	1346.9	1350.6	1354.2	1356.6	1360.8	1362.0
22.5°	1372.9	1375.9	1380.1	1383.1	1388.0	1391.6	1395.8	1398.8	1403.0	1408.5	1410.3
25°	1421.1	1426.0	1430.8	1435.0	1438.6	1442.8	1450.1	1456.7	1462.7	1467.6	1469.4
27.5°	1488.1	1493.5	1500.7	1503.8	1509.2	1512.8	1523.7	1532.1	1535.1	1543.6	1546.0
30°	1578.6	1584.6	1591.8	1595.5	1605.1	1609.9	1621.4	1630.4	1633.5	1643.7	1645.5
32.5°	1709.5	1713.1	1727.5	1726.9	1740.2	1754.1	1760.7	1768.0	1781.2	1786.7	1788.5
35°	1891.0	1899.5	1909.7	1909.1	1926.0	1933.8	1947.1	1955.0	1964.6	1964.0	1974.3
37.5°	2066.5	2069.6	2073.2	2081.0	2093.1	2103.9	2108.8	2116.6	2123.8	2134.7	2148.0
40°	2257.8	2265.0	2265.6	2269.8	2275.9	2289.7	2298.8	2307.2	2332.0	2347.6	2355.5
42.5°	2544.3	2542.5	2530.4	2538.2	2541.9	2563.0	2569.6	2595.5	2623.3	2656.5	2665.5
45°	2912.8	2888.7	2881.5	2878.4	2897.7	2908.6	2935.7	2984.0	3013.0	3044.3	3059.4
47.5°	3366.4	3291.0	3255.4	3247.6	3267.5	3314.0	3323.0	3370.7	3408.7	3431.6	3446.7
50°	3820.6	3761.5	3686.7	3661.4	3656.0	3698.8	3709.0	3748.9	3787.5	3794.1	3786.3
52.5°	4391.3	4294.7	4171.1	4126.5	4090.9	4093.9	4102.3	4119.2	4143.9	4133.7	4112.6
55°	5121.1	5011.3	4950.4	4866.0	4812.3	4802.6	4765.8	4715.2	4713.4	4720.0	4656.7
57.5°	6336.6	6290.7	6316.7	6307.6	6254.5	6286.5	6120.6	6073.6	6036.2	5971.0	5912.5
60°	7738.4	7785.4	7839.1	7962.8	7957.3	8081.6	7966.4	7937.4	7902.5	7701.6	7603.3
62.5°	8572.6	8591.3	8670.3	8785.5	8898.9	9017.8	9071.4	9090.1	9017.2	8853.1	8648.0
65°	8427.2	8509.9	8586.5	8686.0	8802.4	8921.3	9034.7	9101.0	9084.1	8975.5	8749.9
67.5°	7766.7	7853.6	7965.8	8070.1	8195.6	8298.8	8423.0	8544.9	8548.5	8494.2	8337.4
70°	6802.8	6903.6	7019.4	7077.9	7213.6	7307.1	7410.2	7530.9	7570.1	7576.7	7394.0
72.5°	5530.7	5572.9	5629.6	5598.9	5626.0	5685.7	5658.0	5667.6	5518.6	5546.4	5320.8
75°	3368.2	3329.6	3158.3	3002.1	2811.5	2664.9	2699.9	2420.0	2144.4	2130.5	1931.4
77.5°	1708.2	1646.7	1540.6	1430.2	1268.5	1083.3	928.9	762.4	621.9	541.7	465.1
80°	1454.9	1411.5	1353.0	1272.7	1155.1	1018.2	857.1	730.5	612.8	490.4	392.7
82.5°	1392.2	1259.5	1174.4	1107.5	980.2	853.5	765.5	678.6	595.4	520.0	412.0
85°	690.7	611.0	516.9	458.4	352.9	276.3	258.8	212.9	198.5	153.2	129.1
87.5°	232.2	190.0	141.8	119.4	95.3	77.8	76.6	68.2	67.6	61.5	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: P158224

CATALOG NUMBER: VST-F04-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9	992.9
2.5°	998.9	1000.1	1000.1	998.9	999.5	998.3	998.9	999.5	997.7	997.1	995.3
5°	1023.6	1023.0	1023.0	1023.6	1025.4	1026.0	1023.0	1024.2	1024.8	1021.8	1015.2
7.5°	1064.6	1064.6	1066.4	1065.8	1069.5	1068.3	1067.7	1067.7	1067.7	1061.6	1050.8
10°	1120.1	1120.1	1121.9	1124.4	1125.0	1123.8	1123.8	1124.4	1127.4	1115.3	1098.4
12.5°	1182.3	1185.3	1184.7	1184.7	1191.9	1190.1	1187.7	1190.1	1193.1	1176.2	1152.1
15°	1251.6	1253.4	1254.6	1258.9	1257.7	1261.9	1263.1	1261.9	1264.9	1243.2	1202.8
17.5°	1314.4	1318.0	1319.2	1324.0	1324.0	1324.6	1329.4	1327.6	1328.2	1303.5	1245.6
20°	1366.2	1369.9	1371.7	1377.1	1378.3	1380.7	1382.5	1383.7	1386.7	1357.2	1280.6
22.5°	1418.1	1421.1	1424.1	1427.8	1432.6	1435.6	1438.0	1439.2	1444.7	1410.3	1313.8
25°	1476.0	1482.7	1485.7	1491.7	1496.5	1501.4	1505.0	1505.6	1514.6	1471.8	1340.9
27.5°	1553.2	1562.3	1567.1	1576.8	1581.6	1586.4	1585.2	1592.4	1605.1	1542.4	1362.0
30°	1654.6	1666.0	1669.0	1678.7	1686.5	1691.4	1696.8	1702.8	1711.3	1620.8	1372.3
32.5°	1795.7	1813.2	1817.4	1822.9	1834.3	1842.8	1846.4	1856.0	1858.4	1695.0	1369.3
35°	1989.3	1981.5	2002.0	2006.8	2023.1	2029.8	2034.0	2046.6	2037.0	1775.8	1349.3
37.5°	2164.3	2161.9	2181.8	2192.6	2213.7	2208.9	2219.2	2227.6	2193.2	1833.1	1312.6
40°	2377.8	2374.8	2402.5	2406.1	2438.7	2431.5	2435.7	2442.3	2365.7	1872.9	1245.6
42.5°	2675.8	2677.0	2706.5	2710.2	2714.4	2727.6	2705.9	2707.1	2549.1	1883.8	1135.2
45°	3068.5	3089.6	3071.5	3072.1	3070.9	3045.5	3018.4	2986.4	2739.7	1846.4	992.9
47.5°	3449.1	3434.6	3411.7	3390.6	3373.1	3333.3	3293.4	3239.2	2904.4	1757.7	834.2
50°	3774.8	3742.2	3721.7	3663.2	3621.6	3569.7	3514.2	3452.1	3039.5	1629.8	685.8
52.5°	4077.6	4043.8	3967.2	3906.3	3846.6	3777.8	3713.3	3640.3	3158.9	1483.9	572.4
55°	4580.7	4551.1	4474.5	4362.9	4289.3	4194.6	4109.6	4010.6	3400.8	1365.6	497.6
57.5°	5751.5	5726.1	5565.1	5494.5	5397.4	5159.7	5124.7	4970.3	4049.2	1351.8	453.6
60°	7400.0	7291.4	7157.5	6964.5	6737.1	6658.7	6483.7	6278.1	5092.8	1389.8	418.0
62.5°	8412.2	8164.8	7968.2	7745.6	7536.3	7356.6	7165.4	6962.1	5626.6	1339.7	374.0
65°	8488.2	8197.4	7937.4	7676.3	7441.0	7217.2	7031.4	6828.2	5452.9	1151.5	316.7
67.5°	8069.5	7763.1	7479.6	7183.4	6945.8	6743.7	6507.3	6311.8	4963.1	896.3	263.6
70°	7206.4	6937.3	6693.0	6374.0	6176.7	5930.6	5780.4	5536.1	4326.1	611.0	217.8
72.5°	5190.5	4987.8	4908.2	4685.6	4427.4	4282.7	4213.3	3976.3	3196.9	379.4	177.9
75°	1753.5	1803.6	1688.9	1513.4	1599.1	1467.0	1520.7	1407.9	1352.4	217.8	149.6
77.5°	389.1	365.5	337.8	313.7	311.9	293.2	310.6	293.8	314.3	138.7	132.1
80°	307.0	242.5	206.3	188.2	178.5	173.1	168.9	164.1	149.6	118.2	121.8
82.5°	331.8	250.3	183.4	146.6	125.5	117.6	115.8	111.0	109.8	114.6	123.1
85°	106.2	88.7	75.4	71.2	65.7	62.7	61.5	59.7	72.4	124.9	118.2
87.5°	55.5	48.9	43.4	41.6	36.2	33.8	33.2	33.8	50.7	124.9	85.7
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: P158224

CATALOG NUMBER: VST-F04-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	992.9	992.9	992.9	992.9	992.9	992.9	992.9
2.5°	993.5	992.9	991.7	991.0	990.4	987.4	989.8
5°	1012.2	1006.1	1000.7	994.1	990.4	987.4	987.4
7.5°	1040.5	1023.6	1009.7	994.7	984.4	976.6	975.4
10°	1076.1	1043.5	1011.6	984.4	965.1	950.6	948.8
12.5°	1109.9	1060.4	1009.7	965.1	935.0	914.4	913.2
15°	1141.2	1069.5	995.9	930.1	884.9	857.7	854.7
17.5°	1166.0	1064.0	964.5	881.3	819.7	787.8	786.0
20°	1171.4	1042.3	919.9	820.9	755.8	722.0	714.2
22.5°	1166.6	1003.1	864.4	754.6	679.8	646.0	641.8
25°	1152.1	955.5	795.6	677.4	608.0	573.6	565.2
27.5°	1126.2	899.4	721.4	602.6	533.8	500.7	492.2
30°	1087.6	831.8	642.4	532.6	461.4	434.9	426.5
32.5°	1033.9	749.8	564.6	460.8	401.7	380.6	377.0
35°	959.7	655.7	483.2	401.7	358.3	345.6	343.8
37.5°	865.0	561.6	415.0	359.5	328.1	320.3	319.1
40°	741.3	465.1	366.7	329.3	306.4	299.8	298.6
42.5°	614.1	392.7	331.2	305.2	286.5	280.5	278.7
45°	502.5	343.8	304.6	285.3	267.8	261.2	260.6
47.5°	419.2	315.5	282.9	267.2	249.7	241.9	242.5
50°	358.3	289.5	264.8	251.5	231.6	224.4	225.0
52.5°	316.7	263.6	247.9	232.8	215.9	208.7	208.7
55°	284.1	242.5	231.6	215.3	202.1	195.4	194.8
57.5°	257.6	225.6	215.9	202.7	189.4	181.6	181.6
60°	241.3	213.5	205.7	193.6	177.9	169.5	168.9
62.5°	231.6	209.9	203.3	186.4	168.9	160.4	158.6
65°	224.4	218.4	209.9	182.2	161.7	152.6	150.8
67.5°	225.0	238.3	226.2	184.6	159.2	146.0	143.6
70°	228.6	253.9	237.7	190.0	169.5	143.0	137.5
72.5°	210.5	229.8	214.1	181.0	165.3	137.5	130.9
75°	175.5	167.7	153.8	147.2	148.4	124.9	122.4
77.5°	142.4	124.9	111.6	117.0	124.9	106.8	104.4
80°	123.7	101.3	94.7	103.7	113.4	91.1	85.1
82.5°	115.8	85.7	81.4	108.0	118.8	78.4	68.8
85°	101.9	70.0	63.9	127.3	118.8	59.1	54.9
87.5°	68.2	41.6	39.8	93.5	81.4	41.0	33.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)