

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: P159343

Luminaire Tested: **VST-F06-LED-E-U-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159343
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33705)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F06-LED-E-U-T2-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12903.7 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

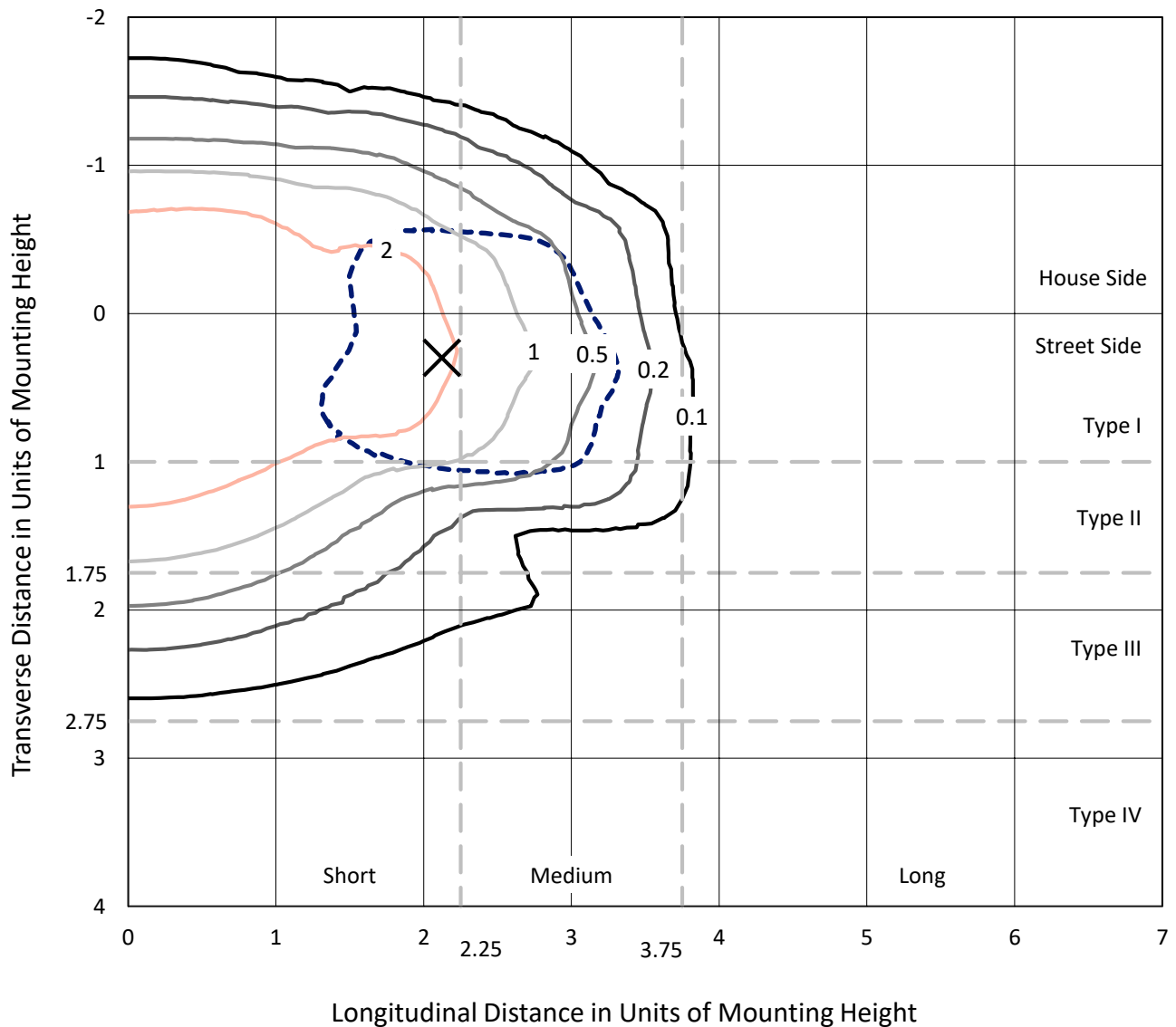
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P159343
 CATALOG NUMBER: VST-F06-LED-E-U-T2-8030

Iso-Footcandle Lines of Horizontal Illumination

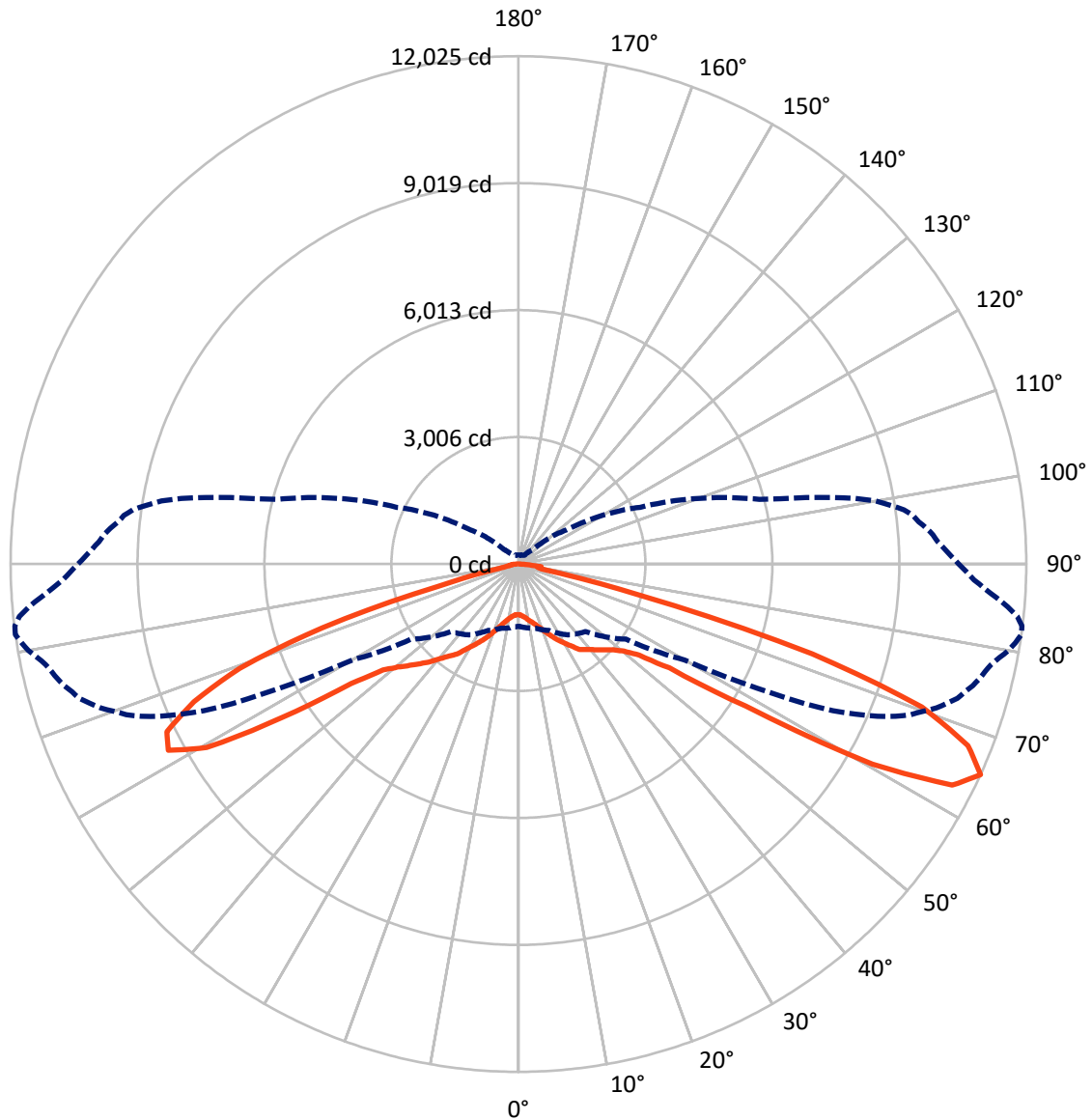
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.8 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P159343
CATALOG NUMBER: VST-F06-LED-E-U-T2-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



REPORT NUMBER: P159343

CATALOG NUMBER: VST-F06-LED-E-U-T2-8030

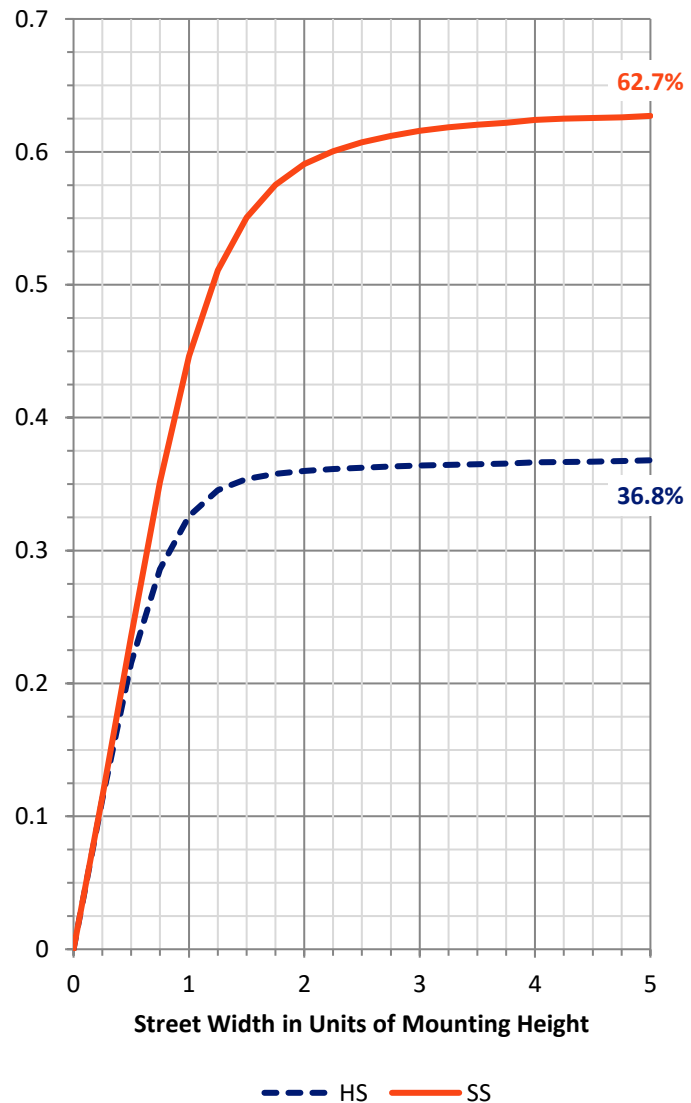
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4804.5	0.0	4804.5
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	8099.3	0.0	8099.3
	% Fixture	62.8	0.0	62.8
Total	Lumens	12903.7	0.0	12903.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	0.9
10°-20°	427.1	3.3
20°-30°	846.2	6.6
30°-40°	1450.6	11.2
40°-50°	2179.2	16.9
50°-60°	3027.7	23.5
60°-70°	3454.1	26.8
70°-80°	1189.9	9.2
80°-90°	207.4	1.6
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°	12903.7	100.0
0°-180°	12903.7	100.0



REPORT NUMBER: P159343

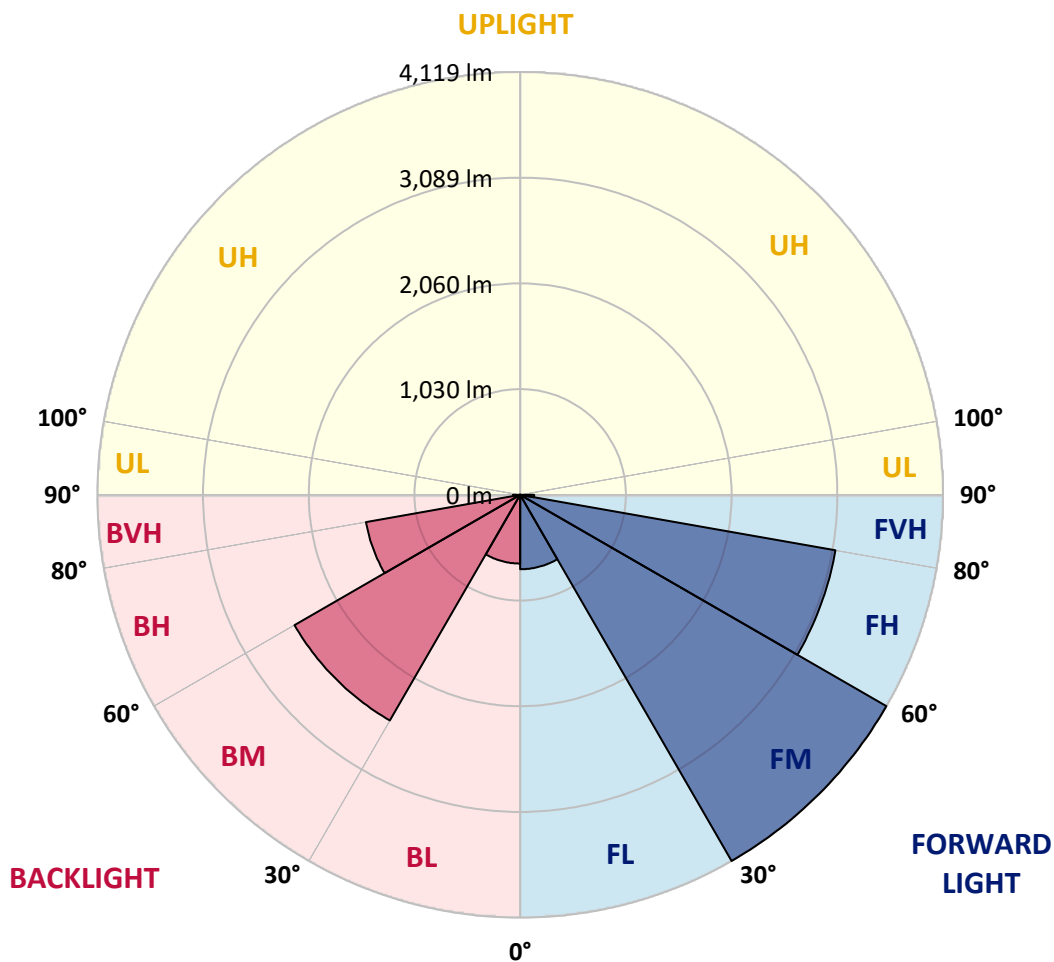
CATALOG NUMBER: VST-F06-LED-E-U-T2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	724.9	5.6			
FM	(30°-60°)	4119.1	31.9			
FH	(60°-80°)	3118.7	24.2			G2/5000
FVH	(80°-90°)	136.5	1.1			G2/225
BL	(0°-30°)	670.0	5.2	B2/1000		
BM	(30°-60°)	2538.4	19.7	B3/5000		
BH	(60°-80°)	1525.3	11.8	B3/2500		G3/2500
BVH	(80°-90°)	70.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P159343

CATALOG NUMBER: VST-F06-LED-E-U-T2-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6
2.5°	1265.8	1266.7	1265.8	1263.3	1262.5	1255.0	1246.6	1242.4	1241.6	1238.2	1239.1
5°	1344.4	1341.9	1338.6	1334.4	1330.2	1317.7	1303.5	1295.9	1293.4	1290.9	1287.6
7.5°	1414.7	1416.3	1414.7	1408.8	1397.9	1382.0	1363.7	1351.9	1351.1	1348.6	1346.1
10°	1504.9	1509.1	1499.1	1489.1	1474.0	1449.8	1428.9	1413.8	1411.3	1408.0	1406.3
12.5°	1602.8	1603.6	1600.3	1577.7	1552.6	1519.2	1489.1	1474.0	1470.7	1466.5	1464.8
15°	1707.3	1708.1	1689.7	1668.0	1629.5	1589.4	1547.6	1530.9	1526.7	1527.5	1520.8
17.5°	1790.1	1791.7	1774.2	1746.6	1700.6	1652.9	1607.8	1594.4	1591.9	1592.7	1589.4
20°	1826.0	1828.5	1817.6	1796.7	1753.3	1711.5	1678.9	1670.5	1669.7	1668.0	1674.7
22.5°	1824.3	1825.2	1821.0	1812.6	1786.7	1762.5	1758.3	1763.3	1762.5	1764.1	1770.0
25°	1809.3	1811.8	1811.0	1814.3	1810.1	1819.3	1838.5	1856.1	1858.6	1862.0	1872.8
27.5°	1847.7	1852.8	1846.9	1850.3	1856.9	1887.9	1927.2	1953.9	1958.9	1968.1	1977.3
30°	1998.2	1991.5	1984.0	1975.7	1979.8	1999.1	2043.4	2066.8	2069.3	2076.0	2088.5
32.5°	2221.5	2213.9	2207.3	2193.9	2190.5	2182.2	2197.2	2203.1	2202.2	2208.9	2212.3
35°	2473.1	2474.0	2472.3	2482.3	2490.7	2448.1	2395.4	2381.2	2387.0	2379.5	2381.2
37.5°	2688.0	2690.5	2734.8	2790.0	2805.9	2779.1	2663.8	2606.9	2587.7	2585.2	2565.9
40°	2926.3	2926.3	2993.2	3060.9	3105.2	3138.7	3001.5	2901.2	2860.2	2848.5	2800.9
42.5°	3188.0	3174.6	3235.6	3310.1	3392.0	3468.1	3397.0	3284.1	3225.6	3204.7	3121.1
45°	3402.9	3394.5	3424.6	3494.0	3626.9	3775.7	3785.8	3728.1	3693.0	3649.5	3572.6
47.5°	3535.0	3530.8	3548.3	3623.6	3790.0	4030.8	4165.4	4194.6	4173.7	4140.3	4065.9
50°	3586.8	3580.9	3593.5	3677.1	3863.5	4181.2	4478.9	4616.8	4626.9	4634.4	4611.0
52.5°	3568.4	3560.9	3586.8	3657.0	3851.0	4233.9	4723.9	4988.9	5033.2	5070.8	5147.8
55°	3392.0	3380.3	3450.5	3582.6	3796.7	4214.7	4902.8	5346.7	5440.4	5540.7	5711.3
57.5°	3121.9	3111.9	3213.1	3394.5	3700.5	4162.0	5023.2	5799.1	6009.8	6190.4	6674.4
60°	2861.9	2853.6	2912.9	3088.5	3388.6	3905.3	4874.4	5951.2	6304.9	6694.5	7578.3
62.5°	2397.0	2374.5	2453.9	2601.9	2791.7	3230.6	4224.7	5612.6	6157.7	6730.5	7928.6
65°	1473.2	1505.8	1574.3	1738.2	2049.2	2258.3	3102.7	4540.8	5259.8	5978.0	7532.3
67.5°	935.6	944.8	995.8	1109.5	1350.3	1560.1	1880.3	2849.4	3403.7	4110.2	5913.6
70°	801.8	807.7	851.1	969.9	1136.2	1394.6	1423.0	1488.2	1687.2	2137.0	3476.4
72.5°	632.1	642.1	676.4	779.2	979.9	1257.5	1756.6	1176.4	1136.2	1173.9	1696.4
75°	376.2	387.9	416.4	472.4	629.6	961.5	1840.2	1368.7	1275.9	1203.1	1170.5
77.5°	199.0	190.6	209.9	242.5	323.6	512.5	1382.9	1677.2	1612.0	1525.0	1340.2
80°	98.7	102.0	107.9	114.5	144.6	208.2	691.4	1734.9	1923.0	2006.6	1842.7
82.5°	39.3	44.3	62.7	66.9	79.4	88.6	222.4	961.5	1377.0	1867.8	2438.9
85°	20.1	19.2	33.4	40.1	46.8	41.8	78.6	358.7	645.5	1005.8	1629.5
87.5°	2.5	3.3	7.5	10.0	14.2	13.4	22.6	77.8	123.7	175.6	246.6
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: P159343

CATALOG NUMBER: VST-F06-LED-E-U-T2-8030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6
2.5°	1234.9	1234.1	1234.1	1230.7	1230.7	1231.5	1229.0	1227.4	1227.4	1228.2	1224.9
5°	1285.1	1282.6	1282.6	1279.2	1275.0	1275.0	1271.7	1270.8	1269.2	1265.8	1263.3
7.5°	1343.6	1341.1	1336.9	1334.4	1332.7	1330.2	1326.0	1324.4	1321.0	1317.7	1314.3
10°	1403.8	1400.4	1398.8	1394.6	1392.9	1387.9	1385.4	1386.2	1379.5	1377.0	1377.9
12.5°	1464.0	1460.6	1454.8	1453.1	1452.3	1447.3	1444.8	1443.1	1438.1	1437.2	1434.7
15°	1517.5	1519.2	1516.7	1512.5	1509.1	1508.3	1505.8	1504.1	1500.8	1497.4	1494.1
17.5°	1586.9	1589.4	1586.0	1580.2	1580.2	1579.4	1580.2	1579.4	1573.5	1576.0	1574.3
20°	1675.5	1677.2	1668.8	1671.3	1673.0	1672.2	1674.7	1677.2	1675.5	1675.5	1678.0
22.5°	1777.5	1780.0	1775.0	1778.3	1783.4	1779.2	1786.7	1785.9	1787.5	1790.1	1790.9
25°	1882.0	1887.0	1882.9	1892.1	1888.7	1892.1	1901.3	1898.7	1902.9	1909.6	1912.1
27.5°	1986.5	1989.9	1990.7	1996.6	2002.4	2007.4	2019.1	2019.1	2022.5	2034.2	2034.2
30°	2096.1	2099.4	2102.7	2111.1	2114.5	2123.6	2135.4	2138.7	2137.0	2153.7	2158.8
32.5°	2222.3	2225.7	2231.5	2241.5	2245.7	2254.9	2254.9	2264.1	2270.8	2285.0	2285.8
35°	2390.4	2392.9	2390.4	2389.5	2395.4	2407.9	2408.8	2422.1	2428.0	2442.2	2446.4
37.5°	2558.4	2557.6	2546.7	2535.0	2535.8	2530.8	2527.5	2533.3	2535.8	2536.7	2545.9
40°	2785.0	2763.3	2746.5	2717.3	2703.9	2683.0	2670.4	2669.6	2656.2	2654.6	2657.1
42.5°	3081.8	3056.7	3017.4	2968.1	2930.5	2892.0	2863.6	2846.9	2817.6	2802.5	2790.0
45°	3496.5	3434.6	3387.8	3329.3	3256.5	3189.7	3119.4	3087.7	3031.6	2997.4	2958.9
47.5°	4003.2	3942.1	3870.2	3810.0	3714.7	3621.9	3525.8	3441.3	3343.5	3265.7	3202.2
50°	4553.3	4517.4	4465.5	4409.5	4286.6	4225.6	4104.3	3989.8	3884.4	3745.7	3624.4
52.5°	5117.7	5138.6	5126.9	5106.8	5029.0	5005.6	4901.1	4761.5	4655.3	4560.0	4349.3
55°	5813.3	5838.4	5888.5	5917.8	5908.6	5968.0	5942.0	5833.3	5790.7	5746.4	5596.7
57.5°	6877.6	7056.5	7248.0	7416.1	7455.3	7666.0	7620.9	7729.6	7806.5	7751.3	7702.8
60°	8012.2	8373.4	8698.6	9038.9	9315.6	9523.0	9797.2	9982.0	10098.2	10307.2	10323.9
62.5°	8469.5	8960.3	9373.3	9768.0	10096.5	10384.1	10631.6	10886.6	11095.7	11284.6	11420.9
65°	8218.7	8731.2	9232.0	9632.5	9948.5	10196.0	10465.2	10667.6	10873.3	10994.5	11137.5
67.5°	6832.5	7511.4	8127.6	8579.0	9011.3	9263.0	9581.5	9780.5	9998.7	10126.6	10218.6
70°	4454.6	5338.4	6180.3	6865.1	7448.7	7742.1	8126.7	8398.5	8661.0	8667.7	8820.7
72.5°	2403.7	3142.8	3847.7	4547.5	5213.0	5603.4	5983.0	6313.3	6574.1	6462.9	6615.1
75°	1338.6	1684.7	2070.1	2490.7	2896.2	3119.4	3402.9	3404.5	3539.1	3327.6	3381.1
77.5°	1287.6	1271.7	1277.5	1289.2	1309.3	1266.7	1265.8	1239.9	1199.8	1127.0	1139.6
80°	1691.4	1489.1	1343.6	1115.3	898.0	732.4	686.4	697.3	729.9	795.1	877.9
82.5°	2445.5	2275.0	2030.8	1671.3	1311.8	1011.7	831.1	737.4	733.2	798.5	923.9
85°	1780.9	1883.7	1867.8	1559.3	1285.9	1044.3	760.0	642.1	531.7	505.8	550.1
87.5°	262.5	217.4	245.0	204.8	148.8	115.4	101.2	81.1	77.8	79.4	87.0
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: P159343

CATALOG NUMBER: VST-F06-LED-E-U-T2-8030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6
2.5°	1225.7	1222.4	1219.0	1221.5	1219.0	1218.2	1215.7	1214.0	1213.2	1213.2	1213.2
5°	1263.3	1259.1	1256.6	1255.8	1253.3	1250.8	1249.9	1245.8	1244.9	1244.9	1242.4
7.5°	1314.3	1311.0	1306.8	1304.3	1302.6	1298.4	1294.3	1293.4	1292.6	1289.2	1286.7
10°	1373.7	1368.7	1363.7	1363.7	1360.3	1359.5	1355.3	1349.4	1348.6	1343.6	1341.9
12.5°	1429.7	1428.0	1422.2	1420.5	1418.0	1415.5	1413.0	1410.5	1408.0	1403.8	1405.5
15°	1496.6	1492.4	1487.4	1488.2	1487.4	1484.0	1480.7	1478.2	1476.5	1474.8	1474.8
17.5°	1576.9	1575.2	1574.3	1570.2	1566.8	1569.3	1569.3	1569.3	1565.1	1566.0	1566.8
20°	1678.9	1680.5	1678.9	1675.5	1674.7	1677.2	1671.3	1680.5	1675.5	1672.2	1673.8
22.5°	1791.7	1797.6	1790.9	1791.7	1795.9	1797.6	1791.7	1799.2	1796.7	1791.7	1795.9
25°	1914.6	1918.8	1915.5	1914.6	1917.1	1923.0	1922.2	1921.3	1927.2	1922.2	1924.7
27.5°	2040.9	2043.4	2045.1	2047.6	2049.2	2048.4	2051.7	2051.7	2055.1	2049.2	2051.7
30°	2166.3	2166.3	2169.6	2173.0	2173.0	2173.0	2179.7	2180.5	2175.5	2177.2	2171.3
32.5°	2300.1	2300.9	2304.2	2304.2	2310.9	2311.8	2319.3	2309.3	2319.3	2310.9	2312.6
35°	2457.2	2468.1	2469.8	2478.1	2484.8	2487.3	2487.3	2488.2	2497.4	2490.7	2493.2
37.5°	2549.2	2551.7	2558.4	2562.6	2562.6	2565.9	2568.4	2565.9	2568.4	2567.6	2570.1
40°	2657.9	2655.4	2662.9	2664.6	2661.3	2665.4	2664.6	2662.1	2668.8	2663.8	2667.1
42.5°	2790.0	2775.8	2775.0	2781.6	2775.0	2778.3	2777.5	2771.6	2780.0	2782.5	2780.0
45°	2931.3	2923.8	2908.7	2908.7	2902.0	2899.5	2900.4	2899.5	2900.4	2910.4	2913.7
47.5°	3161.2	3115.2	3089.3	3065.1	3045.0	3044.2	3035.0	3040.0	3046.7	3063.4	3078.5
50°	3546.7	3440.5	3375.3	3315.1	3271.6	3256.5	3239.0	3237.3	3243.2	3262.4	3288.3
52.5°	4233.9	4086.8	3948.0	3819.2	3707.2	3621.1	3578.4	3555.9	3547.5	3566.7	3591.8
55°	5491.4	5213.8	5018.2	4887.7	4609.3	4491.4	4340.1	4270.7	4203.0	4209.7	4252.3
57.5°	7640.1	7490.5	7326.6	7098.3	6927.8	6722.1	6344.2	6133.5	6142.7	6192.0	6038.2
60°	10456.0	10304.7	10237.0	10029.6	9910.9	9828.2	9627.5	9278.0	9154.3	9130.9	8848.3
62.5°	11525.4	11561.4	11614.9	11673.4	11670.0	11706.0	11530.4	11416.7	11273.7	11088.1	10808.9
65°	11246.1	11337.3	11446.0	11603.2	11782.1	11914.2	12025.4	12012.0	11878.2	11630.7	11335.6
67.5°	10300.5	10390.8	10470.3	10681.0	10974.4	11242.8	11480.3	11641.6	11552.2	11347.3	11002.8
70°	8879.2	8944.4	8994.6	9177.7	9499.6	9827.3	10137.5	10408.4	10380.8	10132.5	9857.4
72.5°	6433.7	6591.7	6677.0	6664.4	6863.4	7230.4	7273.9	7505.5	7569.9	7302.3	6864.2
75°	3134.5	3137.0	3038.3	3005.7	3015.8	3079.3	2958.1	2965.6	2923.8	2734.0	2577.6
77.5°	1095.3	1065.2	993.3	908.0	785.9	671.4	555.2	505.0	488.3	438.9	404.7
80°	943.9	988.2	974.0	903.8	775.0	617.9	461.5	342.0	291.8	274.2	257.5
82.5°	1071.9	1242.4	1351.1	1345.3	1168.8	877.9	547.6	314.4	224.1	196.5	180.6
85°	597.8	642.9	655.5	597.0	495.8	338.6	189.0	132.9	112.9	102.8	92.8
87.5°	95.3	87.0	85.3	74.4	70.2	64.4	56.9	53.5	49.3	46.8	46.8
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: P159343

CATALOG NUMBER: VST-F06-LED-E-U-T2-8030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6
2.5°	1212.3	1211.5	1209.0	1206.5	1204.8	1204.0	1203.1	1201.5	1200.6	1199.8	1198.1
5°	1240.7	1239.1	1234.9	1230.7	1229.0	1226.5	1224.0	1222.4	1220.7	1219.8	1216.5
7.5°	1285.1	1283.4	1278.4	1275.0	1274.2	1267.5	1266.7	1264.2	1260.0	1259.1	1254.1
10°	1338.6	1337.7	1333.6	1331.0	1329.4	1326.0	1321.0	1316.8	1312.6	1312.6	1309.3
12.5°	1400.4	1397.1	1399.6	1393.7	1392.1	1388.7	1386.2	1385.4	1380.4	1376.2	1375.4
15°	1473.2	1469.0	1469.0	1467.3	1465.7	1462.3	1461.5	1462.3	1457.3	1459.0	1453.9
17.5°	1563.5	1565.1	1564.3	1564.3	1560.1	1560.1	1553.4	1561.8	1555.9	1560.1	1558.5
20°	1676.3	1677.2	1675.5	1678.0	1679.7	1678.9	1678.0	1677.2	1679.7	1683.0	1680.5
22.5°	1796.7	1796.7	1795.9	1805.1	1795.1	1802.6	1805.1	1800.1	1813.5	1811.8	1814.3
25°	1927.2	1927.2	1933.9	1941.4	1943.1	1937.2	1940.5	1936.4	1944.7	1951.4	1953.1
27.5°	2048.4	2059.3	2064.3	2059.3	2063.5	2072.6	2071.8	2071.8	2077.7	2076.0	2091.9
30°	2173.0	2179.7	2186.4	2183.0	2184.7	2196.4	2197.2	2198.1	2205.6	2216.5	2228.2
32.5°	2315.1	2321.8	2318.5	2329.3	2328.5	2342.7	2345.2	2347.7	2371.1	2367.0	2391.2
35°	2489.9	2496.5	2493.2	2504.9	2503.2	2508.2	2517.4	2527.5	2531.7	2555.9	2575.1
37.5°	2571.8	2571.8	2579.3	2592.7	2597.7	2606.1	2620.3	2632.8	2653.7	2679.6	2709.7
40°	2670.4	2673.0	2683.0	2697.2	2706.4	2725.6	2751.5	2769.1	2800.9	2829.3	2864.4
42.5°	2790.0	2800.9	2812.6	2831.8	2851.9	2882.0	2918.8	2941.3	2983.1	3019.9	3063.4
45°	2929.6	2940.5	2968.1	3003.2	3032.5	3065.9	3096.0	3149.5	3187.1	3225.6	3263.2
47.5°	3098.5	3130.3	3152.9	3194.7	3230.6	3274.9	3312.6	3362.7	3403.7	3450.5	3482.3
50°	3315.1	3354.4	3383.6	3438.0	3473.1	3522.4	3570.1	3607.7	3649.5	3695.5	3721.4
52.5°	3626.1	3666.2	3703.0	3770.7	3814.2	3847.7	3911.2	3958.0	3996.5	4029.9	4058.3
55°	4300.0	4288.3	4390.3	4521.5	4536.6	4657.8	4680.4	4719.7	4790.8	4800.8	4880.2
57.5°	6225.5	6165.3	6313.3	6505.6	6472.1	6411.1	6666.1	6682.0	6646.0	6742.2	6633.5
60°	8890.1	8784.7	8824.9	8877.5	8801.4	8765.5	8778.0	8814.0	8778.9	8740.4	8635.1
62.5°	10669.3	10507.1	10390.8	10293.0	10169.3	10079.8	9979.5	9855.7	9822.3	9681.8	9563.9
65°	11048.8	10796.3	10612.4	10427.6	10257.1	10099.0	9947.7	9841.5	9701.1	9534.7	9411.8
67.5°	10631.6	10318.9	10049.7	9781.3	9588.2	9355.8	9242.1	9069.0	8895.9	8705.3	8592.4
70°	9419.3	9093.2	8754.6	8492.1	8229.6	7941.9	7885.9	7681.1	7581.6	7321.6	7276.4
72.5°	6501.4	6284.0	6132.7	5808.3	5648.6	5501.4	5454.6	5264.8	5284.9	4999.8	5103.4
75°	2311.8	2280.8	2236.5	2053.4	2020.8	1964.0	1948.9	1935.5	2071.0	1882.9	2019.1
77.5°	397.1	394.6	372.1	361.2	382.1	368.7	372.1	365.4	404.7	410.5	401.3
80°	246.6	240.0	232.4	227.4	228.3	223.2	224.1	225.7	228.3	227.4	229.9
82.5°	168.9	163.0	159.7	156.3	161.4	163.0	167.2	171.4	178.1	182.3	187.3
85°	92.0	84.4	84.4	83.6	90.3	95.3	102.0	110.4	122.1	132.1	143.0
87.5°	46.8	45.1	46.0	47.7	53.5	57.7	66.1	73.6	83.6	94.5	104.5
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: P159343

CATALOG NUMBER: VST-F06-LED-E-U-T2-8030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6
2.5°	1197.3	1197.3	1196.4	1196.4	1195.6	1194.8	1193.9	1191.4	1182.2	1173.9	1168.0
5°	1215.7	1213.2	1212.3	1209.8	1209.0	1207.3	1204.8	1202.3	1185.6	1170.5	1159.6
7.5°	1253.3	1249.9	1248.3	1245.8	1243.3	1239.9	1236.6	1234.1	1214.0	1196.4	1183.1
10°	1302.6	1300.9	1300.1	1296.8	1296.8	1291.7	1290.9	1285.1	1263.3	1247.4	1235.7
12.5°	1371.2	1367.8	1367.0	1362.8	1364.5	1362.8	1361.1	1357.8	1341.9	1323.5	1307.6
15°	1456.5	1456.5	1452.3	1448.9	1449.8	1448.1	1451.4	1447.3	1437.2	1420.5	1394.6
17.5°	1559.3	1557.6	1559.3	1556.8	1558.5	1560.1	1555.9	1556.8	1551.8	1530.9	1492.4
20°	1678.9	1676.3	1686.4	1682.2	1691.4	1683.0	1684.7	1687.2	1687.2	1659.6	1607.8
22.5°	1816.0	1814.3	1814.3	1822.7	1826.0	1826.8	1830.2	1832.7	1839.4	1804.3	1721.5
25°	1953.1	1958.9	1959.8	1970.6	1975.7	1975.7	1978.2	1987.4	2007.4	1958.9	1851.9
27.5°	2092.7	2106.9	2110.3	2117.8	2125.3	2132.8	2138.7	2145.4	2178.0	2125.3	1985.7
30°	2232.3	2248.2	2259.9	2268.3	2277.5	2295.9	2299.2	2312.6	2367.0	2302.6	2112.8
32.5°	2396.2	2418.8	2433.8	2444.7	2458.9	2476.5	2486.5	2503.2	2555.9	2450.6	2205.6
35°	2591.9	2605.2	2627.0	2645.4	2653.7	2683.8	2699.7	2703.9	2744.0	2578.5	2274.1
37.5°	2727.3	2749.9	2787.5	2813.4	2828.5	2845.2	2871.9	2889.5	2928.0	2694.7	2308.4
40°	2899.5	2933.8	2963.9	3002.4	3026.6	3039.2	3065.9	3080.1	3085.1	2794.2	2297.6
42.5°	3109.4	3140.3	3180.5	3211.4	3229.8	3244.0	3265.7	3271.6	3206.4	2841.0	2239.0
45°	3306.7	3354.4	3388.6	3411.2	3424.6	3432.1	3445.5	3446.3	3306.7	2817.6	2138.7
47.5°	3519.1	3553.4	3585.1	3601.0	3599.3	3601.0	3596.0	3592.6	3356.9	2736.5	2009.9
50°	3754.0	3776.6	3790.0	3797.5	3801.7	3785.8	3763.2	3748.2	3361.1	2621.1	1879.5
52.5°	4069.2	4097.6	4095.1	4094.3	4060.9	4045.8	3985.6	3954.7	3336.8	2485.7	1732.4
55°	4867.7	4840.1	4785.7	4812.5	4676.2	4605.1	4511.5	4424.5	3368.6	2356.9	1561.8
57.5°	6677.0	6687.8	6533.1	6450.4	6220.5	5932.8	5701.2	5476.3	3654.5	2278.3	1339.4
60°	8564.8	8422.7	8226.2	7926.9	7630.9	7203.7	6791.5	6401.9	3939.6	2196.4	1076.0
62.5°	9389.2	9186.9	8890.1	8503.0	8038.1	7515.5	7002.2	6527.3	3801.7	1931.4	782.6
65°	9222.0	8912.6	8584.9	8131.7	7566.5	6993.8	6394.4	5909.4	3180.5	1440.6	482.4
67.5°	8347.4	8084.9	7738.8	7201.2	6596.7	6000.6	5451.3	4907.8	2362.8	898.0	270.1
70°	7045.7	6789.0	6437.8	5887.7	5284.0	4713.8	4131.9	3688.8	1505.8	433.1	194.8
72.5°	4887.7	4679.6	4431.2	4039.1	3509.9	2991.5	2597.7	2257.4	834.4	229.9	178.1
75°	1984.9	1985.7	1940.5	1775.0	1499.9	1293.4	1102.8	935.6	348.6	195.6	175.6
77.5°	449.8	457.3	500.0	474.1	427.2	399.6	357.8	316.0	212.4	201.5	177.2
80°	227.4	228.3	225.7	226.6	224.1	224.9	221.6	219.1	199.0	207.3	177.2
82.5°	189.8	194.0	193.1	193.1	194.0	194.0	194.0	193.1	206.5	218.2	171.4
85°	150.5	158.9	165.5	172.2	179.8	184.8	187.3	189.8	200.7	214.9	155.5
87.5°	113.7	123.7	132.1	138.8	150.5	150.5	158.9	164.7	164.7	168.1	81.9
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: P159343

CATALOG NUMBER: VST-F06-LED-E-U-T2-8030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	1200.6	1200.6	1200.6	1200.6	1200.6
2.5°	1159.6	1156.3	1153.0	1151.3	1147.9
5°	1151.3	1144.6	1140.4	1140.4	1137.1
7.5°	1175.5	1173.0	1167.2	1163.8	1167.2
10°	1227.4	1223.2	1216.5	1211.5	1214.0
12.5°	1296.8	1280.0	1266.7	1260.8	1256.6
15°	1368.7	1335.2	1308.5	1293.4	1289.2
17.5°	1445.6	1387.1	1346.9	1324.4	1320.2
20°	1524.2	1451.4	1394.6	1365.3	1364.5
22.5°	1618.7	1521.7	1448.9	1410.5	1408.0
25°	1718.1	1584.4	1488.2	1438.9	1433.9
27.5°	1804.3	1634.5	1512.5	1453.9	1448.9
30°	1876.2	1672.2	1532.5	1464.8	1458.1
32.5°	1928.0	1693.9	1540.9	1468.2	1460.6
35°	1944.7	1685.5	1517.5	1438.1	1429.7
37.5°	1922.2	1631.2	1452.3	1364.5	1354.5
40°	1854.4	1535.9	1346.1	1255.8	1243.3
42.5°	1750.8	1418.8	1218.2	1132.1	1116.2
45°	1622.8	1286.7	1091.1	994.9	987.4
47.5°	1489.1	1147.9	948.1	861.2	852.0
50°	1344.4	987.4	808.5	714.0	714.0
52.5°	1172.2	831.1	646.3	575.2	569.4
55°	974.0	654.7	515.0	460.7	453.2
57.5°	760.8	503.3	411.4	379.6	371.2
60°	559.3	377.9	331.1	313.5	310.2
62.5°	379.6	287.6	266.7	259.2	258.3
65°	256.7	224.1	218.2	215.7	216.5
67.5°	197.3	186.4	183.9	183.1	183.1
70°	171.4	164.7	162.2	163.0	162.2
72.5°	161.4	152.2	153.0	154.7	153.8
75°	158.0	146.3	149.7	150.5	147.2
77.5°	155.5	139.6	148.0	150.5	141.3
80°	150.5	133.8	153.8	154.7	138.8
82.5°	138.0	118.7	153.8	142.1	125.4
85°	117.1	90.3	173.9	123.7	92.8
87.5°	74.4	53.5	117.9	84.4	56.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)