

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: P159344

Luminaire Tested: **VST-F06-LED-E-U-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159344
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-T2-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13964.2 lumens
Efficiency: N/A
Efficacy: 89.2 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

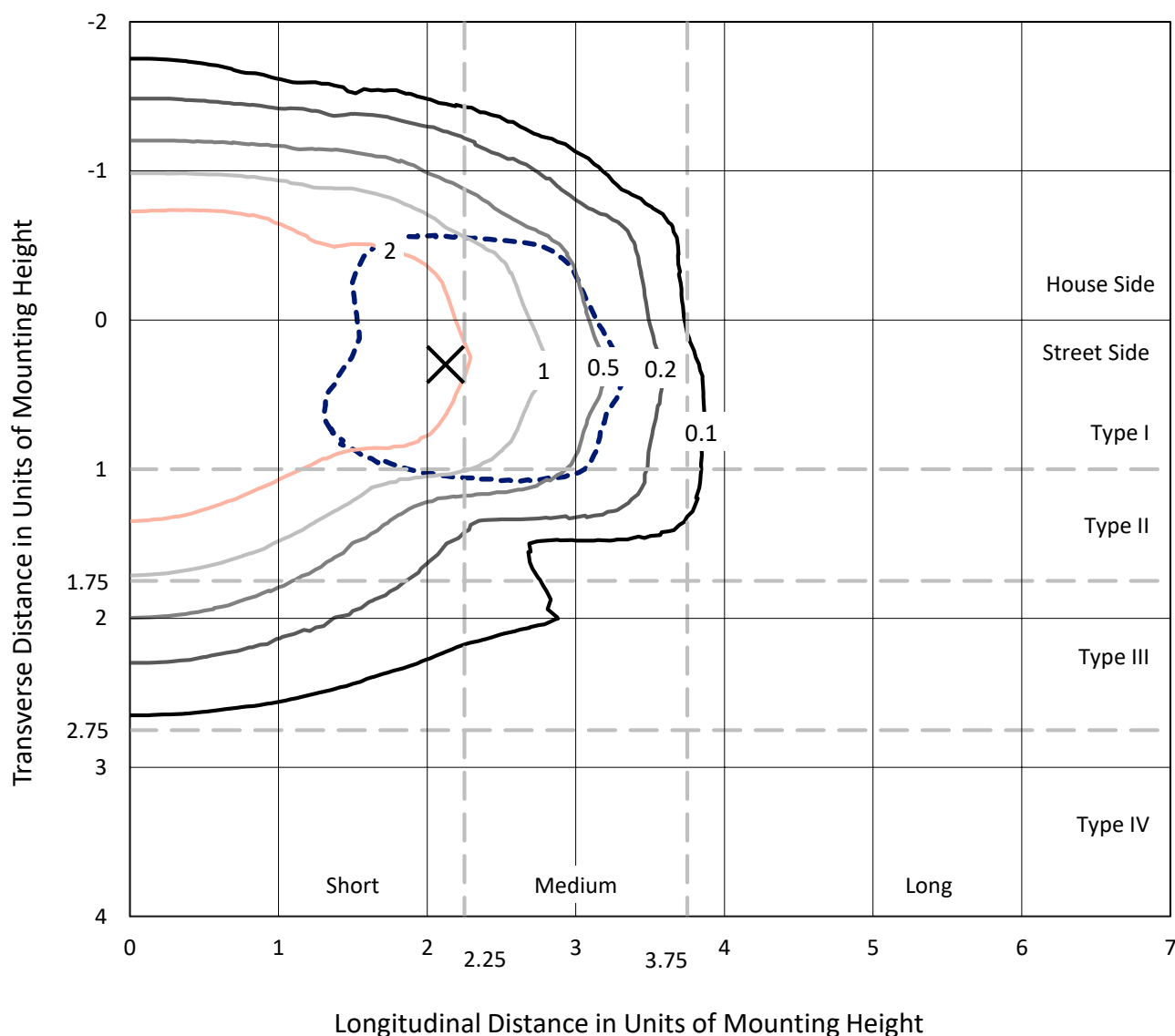


REPORT NUMBER: P159344

CATALOG NUMBER: VST-F06-LED-E-U-T2-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

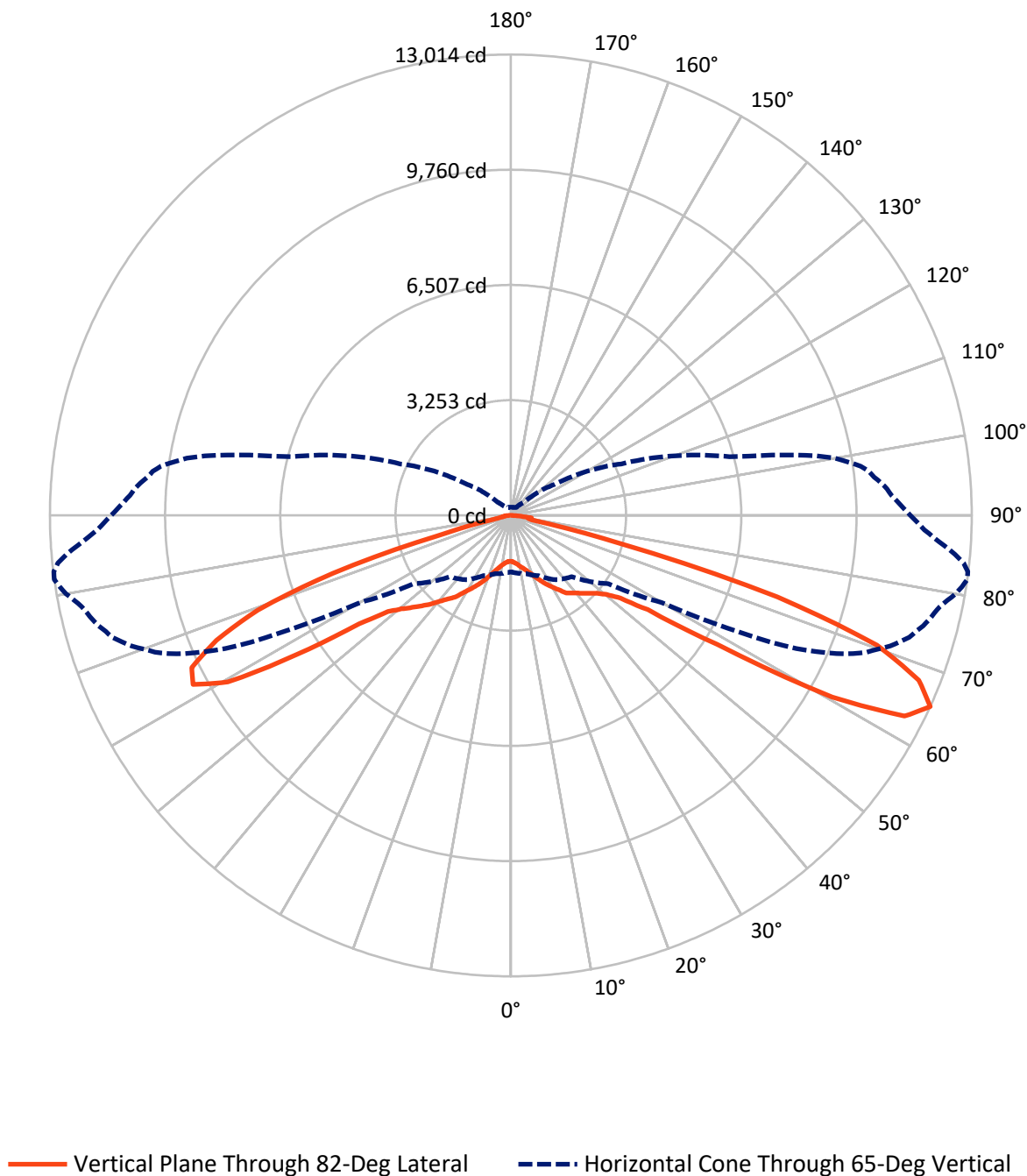


Based on 20 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P159344

CATALOG NUMBER: VST-F06-LED-E-U-T2-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P159344

CATALOG NUMBER: VST-F06-LED-E-U-T2-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5199.3	0.0	5199.3
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	8764.9	0.0	8764.9
	% Fixture	62.8	0.0	62.8
Total	Lumens	13964.2	0.0	13964.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	0.9
10°-20°	462.2	3.3
20°-30°	915.8	6.6
30°-40°	1569.8	11.2
40°-50°	2358.3	16.9
50°-60°	3276.5	23.5
60°-70°	3737.9	26.8
70°-80°	1287.7	9.2
80°-90°	224.4	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°	13964.2	100.0
0°-180°	13964.2	100.0

Coefficient of Utilization



REPORT NUMBER: P159344

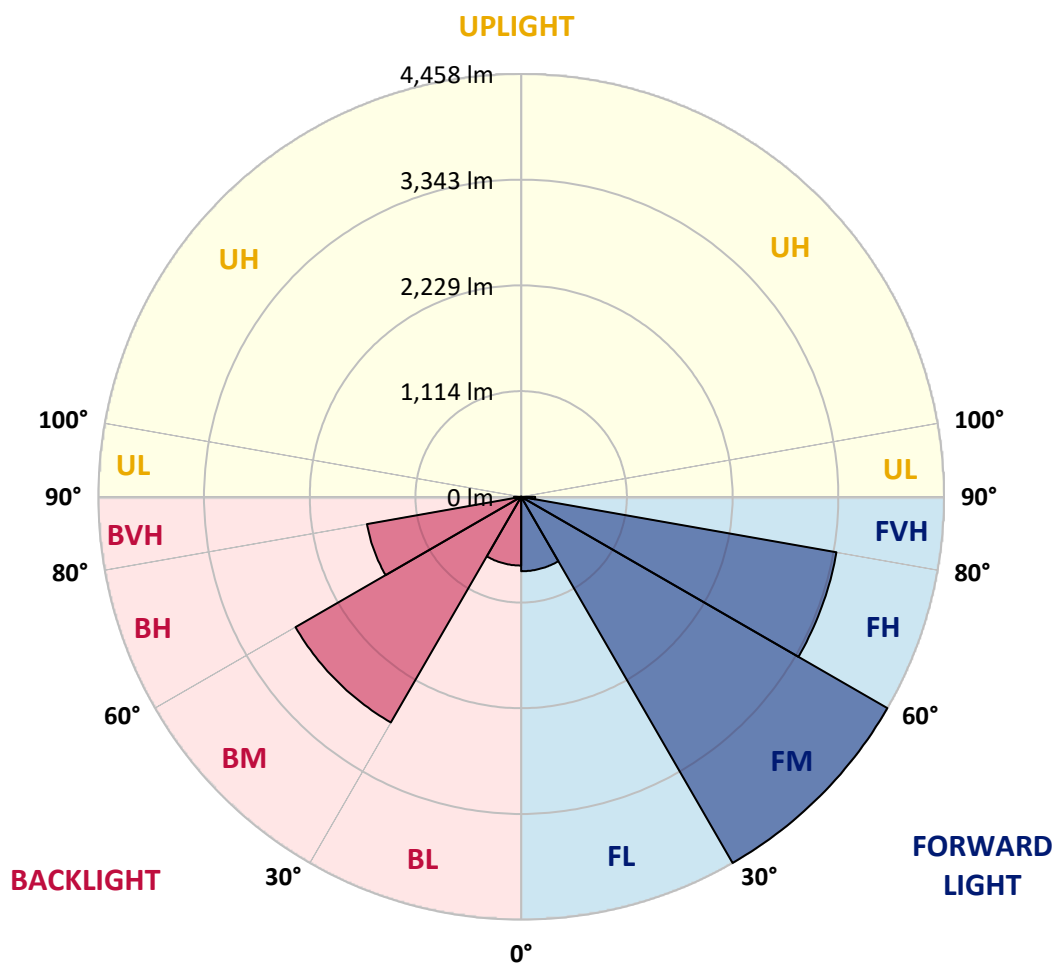
CATALOG NUMBER: VST-F06-LED-E-U-T2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	784.5	5.6			
FM	(30°-60°)	4457.7	31.9			
FH	(60°-80°)	3375.0	24.2			G2/5000
FVH	(80°-90°)	147.7	1.1			G2/225
BL	(0°-30°)	725.0	5.2	B2/1000		
BM	(30°-60°)	2747.0	19.7	B3/5000		
BH	(60°-80°)	1650.6	11.8	B3/2500		G3/2500
BVH	(80°-90°)	76.7	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: P159344

CATALOG NUMBER: VST-F06-LED-E-U-T2-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3
2.5°	1369.9	1370.8	1369.9	1367.1	1366.2	1358.1	1349.0	1344.5	1343.6	1340.0	1340.9
5°	1454.9	1452.2	1448.6	1444.0	1439.5	1426.0	1410.6	1402.4	1399.7	1397.0	1393.4
7.5°	1530.9	1532.7	1530.9	1524.6	1512.8	1495.6	1475.7	1463.0	1462.1	1459.4	1456.7
10°	1628.6	1633.1	1622.3	1611.4	1595.1	1568.9	1546.3	1530.0	1527.3	1523.7	1521.9
12.5°	1734.5	1735.4	1731.8	1707.3	1680.2	1644.0	1611.4	1595.1	1591.5	1587.0	1585.2
15°	1847.6	1848.5	1828.6	1805.1	1763.4	1720.0	1674.8	1656.7	1652.2	1653.1	1645.8
17.5°	1937.2	1939.0	1920.0	1890.1	1840.3	1788.8	1739.9	1725.4	1722.7	1723.6	1720.0
20°	1976.1	1978.8	1967.0	1944.4	1897.3	1852.1	1816.8	1807.8	1806.9	1805.1	1812.3
22.5°	1974.3	1975.2	1970.6	1961.6	1933.5	1907.3	1902.8	1908.2	1907.3	1909.1	1915.4
25°	1958.0	1960.7	1959.8	1963.4	1958.9	1968.8	1989.6	2008.6	2011.4	2015.0	2026.7
27.5°	1999.6	2005.0	1998.7	2002.3	2009.5	2043.0	2085.5	2114.5	2119.9	2129.9	2139.8
30°	2162.5	2155.2	2147.1	2138.0	2142.5	2163.4	2211.3	2236.6	2239.4	2246.6	2260.2
32.5°	2404.0	2395.9	2388.7	2374.2	2370.6	2361.5	2377.8	2384.1	2383.2	2390.5	2394.1
35°	2676.4	2677.3	2675.5	2686.3	2695.4	2649.2	2592.2	2576.8	2583.2	2575.0	2576.8
37.5°	2908.9	2911.6	2959.6	3019.3	3036.5	3007.5	2882.7	2821.1	2800.3	2797.6	2776.8
40°	3166.8	3166.8	3239.2	3312.4	3360.4	3396.6	3248.2	3139.6	3095.3	3082.6	3031.1
42.5°	3450.0	3435.5	3501.5	3582.1	3670.7	3753.1	3676.2	3554.0	3490.7	3468.1	3377.6
45°	3682.5	3673.5	3706.0	3781.1	3925.0	4086.0	4096.9	4034.5	3996.5	3949.4	3866.2
47.5°	3825.5	3820.9	3839.9	3921.4	4101.4	4362.0	4507.7	4539.3	4516.7	4480.5	4400.0
50°	3881.6	3875.2	3888.8	3979.3	4181.0	4524.9	4847.0	4996.3	5007.1	5015.3	4989.9
52.5°	3861.7	3853.5	3881.6	3957.6	4167.5	4581.9	5112.1	5398.9	5446.8	5487.6	5570.8
55°	3670.7	3658.1	3734.1	3877.0	4108.7	4561.1	5305.7	5786.1	5887.5	5996.1	6180.6
57.5°	3378.5	3367.6	3477.1	3673.5	4004.6	4504.1	5436.0	6275.6	6503.6	6699.1	7223.0
60°	3097.1	3088.1	3152.3	3342.3	3667.1	4226.3	5274.9	6440.3	6823.0	7244.7	8201.0
62.5°	2594.0	2569.6	2655.6	2815.7	3021.1	3496.1	4571.9	6073.9	6663.8	7283.6	8580.1
65°	1594.2	1629.5	1703.7	1881.1	2217.6	2443.8	3357.7	4913.9	5692.0	6469.3	8151.3
67.5°	1012.5	1022.4	1077.6	1200.7	1461.2	1688.3	2034.9	3083.5	3683.4	4448.0	6399.6
70°	867.7	874.0	921.1	1049.6	1229.6	1509.2	1540.0	1610.5	1825.9	2312.6	3762.1
72.5°	684.0	694.9	732.0	843.3	1060.4	1360.8	1901.0	1273.0	1229.6	1270.3	1835.8
75°	407.2	419.8	450.6	511.2	681.3	1040.5	1991.4	1481.1	1380.7	1302.0	1266.7
77.5°	215.3	206.3	227.1	262.4	350.2	554.6	1496.5	1815.0	1744.4	1650.3	1450.4
80°	106.8	110.4	116.7	124.0	156.5	225.3	748.3	1877.4	2081.0	2171.5	1994.2
82.5°	42.5	48.0	67.9	72.4	86.0	95.9	240.7	1040.5	1490.2	2021.3	2639.3
85°	21.7	20.8	36.2	43.4	50.7	45.2	85.1	388.2	698.5	1088.5	1763.4
87.5°	2.7	3.6	8.1	10.9	15.4	14.5	24.4	84.1	133.9	190.0	266.9
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: P159344

CATALOG NUMBER: VST-F06-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3
2.5°	1336.4	1335.5	1335.5	1331.9	1331.9	1332.8	1330.0	1328.2	1328.2	1329.1	1325.5
5°	1390.7	1388.0	1388.0	1384.3	1379.8	1379.8	1376.2	1375.3	1373.5	1369.9	1367.1
7.5°	1454.0	1451.3	1446.8	1444.0	1442.2	1439.5	1435.0	1433.2	1429.6	1426.0	1422.3
10°	1519.1	1515.5	1513.7	1509.2	1507.4	1502.0	1499.2	1500.1	1492.9	1490.2	1491.1
12.5°	1584.3	1580.7	1574.3	1572.5	1571.6	1566.2	1563.5	1561.7	1556.2	1555.3	1552.6
15°	1642.2	1644.0	1641.3	1636.8	1633.1	1632.2	1629.5	1627.7	1624.1	1620.5	1616.9
17.5°	1717.3	1720.0	1716.4	1710.1	1710.1	1709.2	1710.1	1709.2	1702.8	1705.5	1703.7
20°	1813.2	1815.0	1806.0	1808.7	1810.5	1809.6	1812.3	1815.0	1813.2	1813.2	1815.9
22.5°	1923.6	1926.3	1920.9	1924.5	1929.9	1925.4	1933.5	1932.6	1934.4	1937.2	1938.1
25°	2036.7	2042.1	2037.6	2047.5	2043.9	2047.5	2057.5	2054.8	2059.3	2066.5	2069.3
27.5°	2149.8	2153.4	2154.3	2160.6	2167.0	2172.4	2185.1	2185.1	2188.7	2201.4	2201.4
30°	2268.3	2271.9	2275.6	2284.6	2288.2	2298.2	2310.8	2314.5	2312.6	2330.7	2336.2
32.5°	2404.9	2408.6	2414.9	2425.7	2430.3	2440.2	2440.2	2450.2	2457.4	2472.8	2473.7
35°	2586.8	2589.5	2586.8	2585.9	2592.2	2605.8	2606.7	2621.2	2627.5	2642.9	2647.4
37.5°	2768.7	2767.8	2756.0	2743.3	2744.2	2738.8	2735.2	2741.5	2744.2	2745.1	2755.1
40°	3013.9	2990.3	2972.2	2940.6	2926.1	2903.5	2889.9	2889.0	2874.5	2872.7	2875.4
42.5°	3335.1	3307.9	3265.4	3212.0	3171.3	3129.7	3098.9	3080.8	3049.1	3032.9	3019.3
45°	3783.8	3716.9	3666.2	3602.9	3524.2	3451.8	3375.8	3341.4	3280.8	3243.7	3202.1
47.5°	4332.1	4266.1	4188.3	4123.1	4020.0	3919.6	3815.5	3724.1	3618.3	3534.1	3465.4
50°	4927.5	4888.6	4832.5	4771.9	4638.9	4572.8	4441.6	4317.7	4203.7	4053.5	3922.3
52.5°	5538.2	5560.9	5548.2	5526.5	5442.3	5417.0	5303.9	5152.8	5037.9	4934.7	4706.7
55°	6291.0	6318.2	6372.5	6404.1	6394.2	6458.4	6430.4	6312.7	6266.6	6218.6	6056.7
57.5°	7442.8	7636.4	7843.6	8025.5	8068.0	8296.0	8247.2	8364.8	8448.0	8388.3	8335.9
60°	8670.6	9061.5	9413.5	9781.7	10081.2	10305.6	10602.4	10802.3	10928.1	11154.3	11172.4
62.5°	9165.5	9696.7	10143.6	10570.7	10926.3	11237.5	11505.3	11781.3	12007.5	12212.0	12359.5
65°	8894.1	9448.7	9990.7	10424.1	10766.1	11033.9	11325.3	11544.2	11766.8	11898.0	12052.7
67.5°	7394.0	8128.7	8795.5	9284.1	9751.8	10024.2	10368.9	10584.3	10820.4	10958.8	11058.4
70°	4820.7	5777.1	6688.2	7429.2	8060.8	8378.4	8794.6	9088.6	9372.7	9380.0	9545.6
72.5°	2601.3	3401.1	4163.9	4921.2	5641.4	6063.9	6474.7	6832.1	7114.4	6994.0	7158.7
75°	1448.6	1823.2	2240.3	2695.4	3134.2	3375.8	3682.5	3684.3	3830.0	3601.1	3659.0
77.5°	1393.4	1376.2	1382.5	1395.2	1416.9	1370.8	1369.9	1341.8	1298.4	1219.7	1233.2
80°	1830.4	1611.4	1454.0	1207.0	971.7	792.6	742.8	754.6	789.9	860.5	950.0
82.5°	2646.5	2461.9	2197.7	1808.7	1419.6	1094.8	899.4	798.0	793.5	864.1	999.8
85°	1927.2	2038.5	2021.3	1687.4	1391.6	1130.1	822.5	694.9	575.4	547.4	595.4
87.5°	284.1	235.2	265.1	221.7	161.1	124.9	109.5	87.8	84.1	86.0	94.1
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: P159344

CATALOG NUMBER: VST-F06-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3
2.5°	1326.4	1322.8	1319.2	1321.9	1319.2	1318.3	1315.6	1313.8	1312.9	1312.9	1312.9
5°	1367.1	1362.6	1359.9	1359.0	1356.3	1353.6	1352.7	1348.1	1347.2	1347.2	1344.5
7.5°	1422.3	1418.7	1414.2	1411.5	1409.7	1405.1	1400.6	1399.7	1398.8	1395.2	1392.5
10°	1486.6	1481.1	1475.7	1475.7	1472.1	1471.2	1466.7	1460.3	1459.4	1454.0	1452.2
12.5°	1547.2	1545.4	1539.1	1537.2	1534.5	1531.8	1529.1	1526.4	1523.7	1519.1	1521.0
15°	1619.6	1615.1	1609.6	1610.5	1609.6	1606.0	1602.4	1599.7	1597.9	1596.1	1596.1
17.5°	1706.4	1704.6	1703.7	1699.2	1695.6	1698.3	1698.3	1698.3	1693.8	1694.7	1695.6
20°	1816.8	1818.6	1816.8	1813.2	1812.3	1815.0	1808.7	1818.6	1813.2	1809.6	1811.4
22.5°	1939.0	1945.3	1938.1	1939.0	1943.5	1945.3	1939.0	1947.1	1944.4	1939.0	1943.5
25°	2072.0	2076.5	2072.9	2072.0	2074.7	2081.0	2080.1	2079.2	2085.5	2080.1	2082.8
27.5°	2208.6	2211.3	2213.1	2215.8	2217.6	2216.7	2220.4	2220.4	2224.0	2217.6	2220.4
30°	2344.3	2344.3	2347.9	2351.6	2351.6	2351.6	2358.8	2359.7	2354.3	2356.1	2349.7
32.5°	2489.1	2490.0	2493.6	2493.6	2500.8	2501.8	2509.9	2499.0	2509.9	2500.8	2502.7
35°	2659.2	2670.9	2672.8	2681.8	2689.0	2691.8	2691.8	2692.7	2702.6	2695.4	2698.1
37.5°	2758.7	2761.4	2768.7	2773.2	2773.2	2776.8	2779.5	2776.8	2779.5	2778.6	2781.3
40°	2876.3	2873.6	2881.8	2883.6	2880.0	2884.5	2883.6	2880.9	2888.1	2882.7	2886.3
42.5°	3019.3	3003.9	3003.0	3010.2	3003.0	3006.6	3005.7	2999.4	3008.4	3011.1	3008.4
45°	3172.2	3164.1	3147.8	3147.8	3140.5	3137.8	3138.7	3137.8	3138.7	3149.6	3153.2
47.5°	3421.0	3371.3	3343.2	3317.0	3295.3	3294.3	3284.4	3289.8	3297.1	3315.2	3331.4
50°	3838.1	3723.2	3652.6	3587.5	3540.5	3524.2	3505.2	3503.4	3509.7	3530.5	3558.5
52.5°	4581.9	4422.6	4272.4	4133.1	4011.8	3918.7	3872.5	3848.1	3839.0	3859.8	3887.0
55°	5942.7	5642.3	5430.6	5289.4	4988.1	4860.5	4696.8	4621.7	4548.4	4555.6	4601.8
57.5°	8268.0	8106.0	7928.7	7681.7	7497.1	7274.5	6865.6	6637.6	6647.5	6700.9	6534.4
60°	11315.3	11151.6	11078.3	10853.9	10725.4	10635.8	10418.7	10040.5	9906.6	9881.2	9575.4
62.5°	12472.6	12511.5	12569.4	12632.7	12629.1	12668.0	12478.0	12354.9	12200.2	11999.4	11697.2
65°	12170.4	12269.0	12386.6	12556.7	12750.3	12893.3	13013.6	12999.1	12854.4	12586.6	12267.2
67.5°	11147.0	11244.8	11330.7	11558.7	11876.3	12166.7	12423.7	12598.3	12501.5	12279.8	11907.1
70°	9608.9	9679.5	9733.8	9931.9	10280.2	10634.9	10970.6	11263.8	11233.9	10965.2	10667.5
72.5°	6962.4	7133.4	7225.7	7212.1	7427.4	7824.6	7871.7	8122.3	8192.0	7902.5	7428.3
75°	3392.1	3394.8	3288.0	3252.7	3263.6	3332.3	3201.2	3209.3	3164.1	2958.7	2789.5
77.5°	1185.3	1152.7	1074.9	982.6	850.5	726.5	600.8	546.5	528.4	475.0	437.9
80°	1021.5	1069.5	1054.1	978.1	838.7	668.6	499.4	370.1	315.8	296.8	278.7
82.5°	1159.9	1344.5	1462.1	1455.8	1264.9	950.0	592.6	340.2	242.5	212.6	195.4
85°	646.9	695.8	709.4	646.0	536.5	366.4	204.5	143.9	122.1	111.3	100.4
87.5°	103.1	94.1	92.3	80.5	76.0	69.7	61.5	57.9	53.4	50.7	50.7
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: P159344

CATALOG NUMBER: VST-F06-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3
2.5°	1311.9	1311.0	1308.3	1305.6	1303.8	1302.9	1302.0	1300.2	1299.3	1298.4	1296.6
5°	1342.7	1340.9	1336.4	1331.9	1330.0	1327.3	1324.6	1322.8	1321.0	1320.1	1316.5
7.5°	1390.7	1388.9	1383.4	1379.8	1378.9	1371.7	1370.8	1368.0	1363.5	1362.6	1357.2
10°	1448.6	1447.7	1443.1	1440.4	1438.6	1435.0	1429.6	1425.0	1420.5	1420.5	1416.9
12.5°	1515.5	1511.9	1514.6	1508.3	1506.5	1502.9	1500.1	1499.2	1493.8	1489.3	1488.4
15°	1594.2	1589.7	1589.7	1587.9	1586.1	1582.5	1581.6	1582.5	1577.1	1578.9	1573.4
17.5°	1692.0	1693.8	1692.9	1692.9	1688.3	1688.3	1681.1	1690.2	1683.8	1688.3	1686.5
20°	1814.1	1815.0	1813.2	1815.9	1817.7	1816.8	1815.9	1815.0	1817.7	1821.3	1818.6
22.5°	1944.4	1944.4	1943.5	1953.4	1942.6	1950.7	1953.4	1948.0	1962.5	1960.7	1963.4
25°	2085.5	2085.5	2092.8	2100.9	2102.7	2096.4	2100.0	2095.5	2104.5	2111.8	2113.6
27.5°	2216.7	2228.5	2233.9	2228.5	2233.0	2243.0	2242.1	2242.1	2248.4	2246.6	2263.8
30°	2351.6	2358.8	2366.0	2362.4	2364.2	2376.9	2377.8	2378.7	2386.8	2398.6	2411.3
32.5°	2505.4	2512.6	2509.0	2520.8	2519.8	2535.2	2537.9	2540.7	2566.0	2561.5	2587.7
35°	2694.5	2701.7	2698.1	2710.8	2708.9	2714.4	2724.3	2735.2	2739.7	2765.9	2786.8
37.5°	2783.1	2783.1	2791.3	2805.8	2811.2	2820.2	2835.6	2849.2	2871.8	2899.9	2932.4
40°	2889.9	2892.6	2903.5	2918.9	2928.8	2949.6	2977.7	2996.7	3031.1	3061.8	3099.8
42.5°	3019.3	3031.1	3043.7	3064.5	3086.2	3118.8	3158.6	3183.1	3228.3	3268.1	3315.2
45°	3170.4	3182.2	3212.0	3250.0	3281.7	3317.9	3350.4	3408.4	3449.1	3490.7	3531.4
47.5°	3353.2	3387.5	3412.0	3457.2	3496.1	3544.1	3584.8	3639.1	3683.4	3734.1	3768.5
50°	3587.5	3630.0	3661.7	3720.5	3758.5	3811.9	3863.5	3904.2	3949.4	3999.2	4027.2
52.5°	3924.1	3967.5	4007.3	4080.6	4127.7	4163.9	4232.6	4283.3	4324.9	4361.1	4391.9
55°	4653.3	4640.7	4751.1	4893.1	4909.4	5040.6	5065.0	5107.6	5184.5	5195.3	5281.3
57.5°	6737.1	6671.9	6832.1	7040.2	7004.0	6937.9	7213.9	7231.1	7192.2	7296.2	7178.6
60°	9620.7	9506.7	9550.1	9607.1	9524.7	9485.8	9499.4	9538.3	9500.3	9458.7	9344.7
62.5°	11546.1	11370.5	11244.8	11138.9	11005.0	10908.2	10799.6	10665.7	10629.5	10477.5	10349.9
65°	11956.8	11683.6	11484.5	11284.6	11100.0	10929.0	10765.2	10650.3	10498.3	10318.2	10185.2
67.5°	11505.3	11166.9	10875.6	10585.2	10376.2	10124.6	10001.6	9814.3	9627.0	9420.7	9298.5
70°	10193.4	9840.5	9474.1	9190.0	8905.9	8594.6	8534.0	8312.3	8204.7	7923.3	7874.4
72.5°	7035.7	6800.4	6636.7	6285.6	6112.8	5953.5	5902.9	5697.5	5719.2	5410.7	5522.9
75°	2501.8	2468.3	2420.3	2222.2	2186.9	2125.4	2109.1	2094.6	2241.2	2037.6	2185.1
77.5°	429.8	427.1	402.6	390.9	413.5	399.0	402.6	395.4	437.9	444.3	434.3
80°	266.9	259.7	251.5	246.1	247.0	241.6	242.5	244.3	247.0	246.1	248.8
82.5°	182.8	176.4	172.8	169.2	174.6	176.4	181.0	185.5	192.7	197.2	202.7
85°	99.5	91.4	91.4	90.5	97.7	103.1	110.4	119.4	132.1	143.0	154.7
87.5°	50.7	48.9	49.8	51.6	57.9	62.4	71.5	79.6	90.5	102.2	113.1
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: P159344

CATALOG NUMBER: VST-F06-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3
2.5°	1295.7	1295.7	1294.8	1294.8	1293.9	1292.9	1292.0	1289.3	1279.4	1270.3	1264.0
5°	1315.6	1312.9	1311.9	1309.2	1308.3	1306.5	1303.8	1301.1	1283.0	1266.7	1254.9
7.5°	1356.3	1352.7	1350.9	1348.1	1345.4	1341.8	1338.2	1335.5	1313.8	1294.8	1280.3
10°	1409.7	1407.9	1407.0	1403.3	1403.3	1397.9	1397.0	1390.7	1367.1	1349.9	1337.3
12.5°	1483.9	1480.2	1479.3	1474.8	1476.6	1474.8	1473.0	1469.4	1452.2	1432.3	1415.1
15°	1576.1	1576.1	1571.6	1568.0	1568.9	1567.1	1570.7	1566.2	1555.3	1537.2	1509.2
17.5°	1687.4	1685.6	1687.4	1684.7	1686.5	1688.3	1683.8	1684.7	1679.3	1656.7	1615.1
20°	1816.8	1814.1	1825.0	1820.4	1830.4	1821.3	1823.2	1825.9	1825.9	1796.0	1739.9
22.5°	1965.2	1963.4	1963.4	1972.4	1976.1	1977.0	1980.6	1983.3	1990.5	1952.5	1863.0
25°	2113.6	2119.9	2120.8	2132.6	2138.0	2138.0	2140.7	2150.7	2172.4	2119.9	2004.1
27.5°	2264.7	2280.1	2283.7	2291.8	2300.0	2308.1	2314.5	2321.7	2357.0	2300.0	2148.9
30°	2415.8	2433.0	2445.7	2454.7	2464.7	2484.6	2488.2	2502.7	2561.5	2491.8	2286.4
32.5°	2593.1	2617.6	2633.8	2645.6	2661.0	2680.0	2690.9	2708.9	2765.9	2651.9	2386.8
35°	2804.9	2819.3	2842.9	2862.8	2871.8	2904.4	2921.6	2926.1	2969.5	2790.4	2461.0
37.5°	2951.4	2975.9	3016.6	3044.6	3060.9	3079.0	3108.0	3127.0	3168.6	2916.1	2498.1
40°	3137.8	3174.9	3207.5	3249.1	3275.3	3288.9	3317.9	3333.3	3338.7	3023.8	2486.4
42.5°	3364.9	3398.4	3441.8	3475.3	3495.2	3510.6	3534.1	3540.5	3469.9	3074.5	2423.0
45°	3578.5	3630.0	3667.1	3691.6	3706.0	3714.2	3728.6	3729.6	3578.5	3049.1	2314.5
47.5°	3808.3	3845.4	3879.7	3896.9	3895.1	3896.9	3891.5	3887.9	3632.7	2961.4	2175.1
50°	4062.5	4086.9	4101.4	4109.6	4114.1	4096.9	4072.5	4056.2	3637.3	2836.5	2034.0
52.5°	4403.6	4434.4	4431.7	4430.8	4394.6	4378.3	4313.1	4279.7	3611.0	2689.9	1874.7
55°	5267.7	5237.8	5179.0	5208.0	5060.5	4983.6	4882.3	4788.2	3645.4	2550.6	1690.2
57.5°	7225.7	7237.4	7070.0	6980.5	6731.7	6420.4	6169.8	5926.4	3954.8	2465.6	1449.5
60°	9268.7	9114.9	8902.3	8578.3	8258.0	7795.7	7349.6	6928.0	4263.4	2376.9	1164.5
62.5°	10160.8	9941.9	9620.7	9201.7	8698.7	8133.2	7577.6	7063.7	4114.1	2090.1	846.9
65°	9979.9	9645.1	9290.4	8800.0	8188.4	7568.6	6919.9	6395.1	3441.8	1559.0	522.1
67.5°	9033.4	8749.3	8374.8	7793.0	7138.8	6493.7	5899.2	5311.1	2556.9	971.7	292.2
70°	7624.7	7346.9	6966.9	6371.5	5718.3	5101.2	4471.5	3991.9	1629.5	468.7	210.8
72.5°	5289.4	5064.1	4795.4	4371.1	3798.3	3237.3	2811.2	2442.9	903.0	248.8	192.7
75°	2148.0	2148.9	2100.0	1920.9	1623.2	1399.7	1193.4	1012.5	377.3	211.7	190.0
77.5°	486.8	494.9	541.1	513.0	462.3	432.5	387.3	342.0	229.8	218.1	191.8
80°	246.1	247.0	244.3	245.2	242.5	243.4	239.8	237.1	215.3	224.4	191.8
82.5°	205.4	209.9	209.0	209.0	209.9	209.9	209.9	209.0	223.5	236.2	185.5
85°	162.9	171.9	179.1	186.4	194.5	200.0	202.7	205.4	217.2	232.5	168.3
87.5°	123.1	133.9	143.0	150.2	162.9	162.9	171.9	178.2	178.2	181.9	88.7
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: P159344

CATALOG NUMBER: VST-F06-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	1299.3	1299.3	1299.3	1299.3	1299.3
2.5°	1254.9	1251.3	1247.7	1245.9	1242.3
5°	1245.9	1238.7	1234.1	1234.1	1230.5
7.5°	1272.1	1269.4	1263.1	1259.5	1263.1
10°	1328.2	1323.7	1316.5	1311.0	1313.8
12.5°	1403.3	1385.2	1370.8	1364.4	1359.9
15°	1481.1	1445.0	1416.0	1399.7	1395.2
17.5°	1564.4	1501.1	1457.6	1433.2	1428.7
20°	1649.4	1570.7	1509.2	1477.5	1476.6
22.5°	1751.7	1646.7	1568.0	1526.4	1523.7
25°	1859.3	1714.6	1610.5	1557.1	1551.7
27.5°	1952.5	1768.9	1636.8	1573.4	1568.0
30°	2030.4	1809.6	1658.5	1585.2	1578.0
32.5°	2086.5	1833.1	1667.5	1588.8	1580.7
35°	2104.5	1824.1	1642.2	1556.2	1547.2
37.5°	2080.1	1765.2	1571.6	1476.6	1465.8
40°	2006.8	1662.1	1456.7	1359.0	1345.4
42.5°	1894.6	1535.4	1318.3	1225.1	1207.9
45°	1756.2	1392.5	1180.8	1076.7	1068.6
47.5°	1611.4	1242.3	1026.0	931.9	922.0
50°	1454.9	1068.6	874.9	772.7	772.7
52.5°	1268.5	899.4	699.4	622.5	616.2
55°	1054.1	708.5	557.4	498.5	490.4
57.5°	823.4	544.7	445.2	410.8	401.7
60°	605.3	409.0	358.3	339.3	335.7
62.5°	410.8	311.2	288.6	280.5	279.6
65°	277.8	242.5	236.2	233.4	234.3
67.5°	213.5	201.8	199.1	198.1	198.1
70°	185.5	178.2	175.5	176.4	175.5
72.5°	174.6	164.7	165.6	167.4	166.5
75°	171.0	158.3	162.0	162.9	159.2
77.5°	168.3	151.1	160.1	162.9	152.9
80°	162.9	144.8	166.5	167.4	150.2
82.5°	149.3	128.5	166.5	153.8	135.7
85°	126.7	97.7	188.2	133.9	100.4
87.5°	80.5	57.9	127.6	91.4	60.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)