

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: P159338

Luminaire Tested: **VST-E06-LED-E-U-T2-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P159338  
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-E06-LED-E-U-T2-8030  
Description: VENTUS LED SITE/ROADWAY LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA  
Light Source: (126) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15631 lumens  
Efficiency: N/A  
Efficacy: 103.9 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

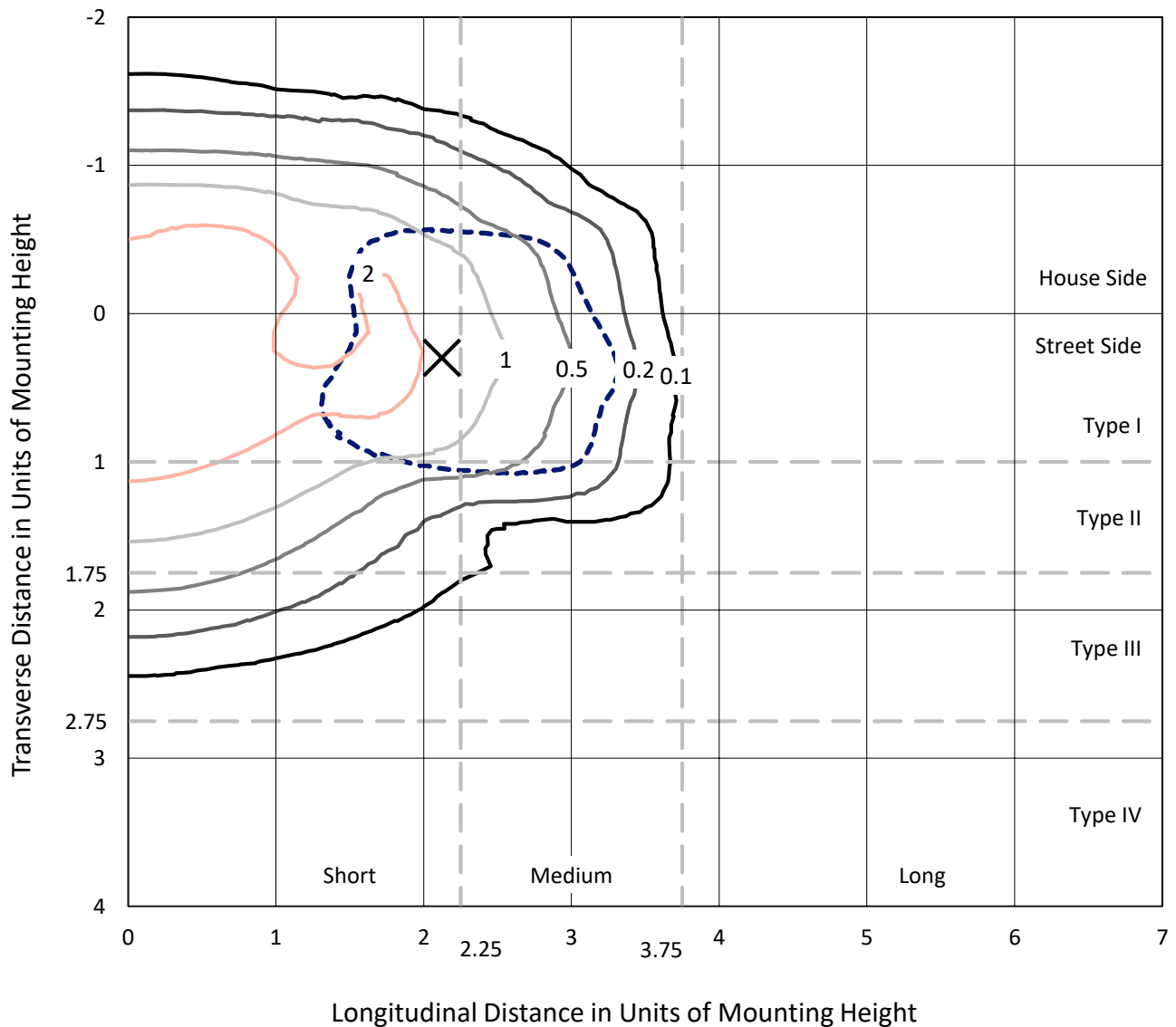
Input Watts (W): 150.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P159338  
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### Iso-Footcandle Lines of Horizontal Illumination

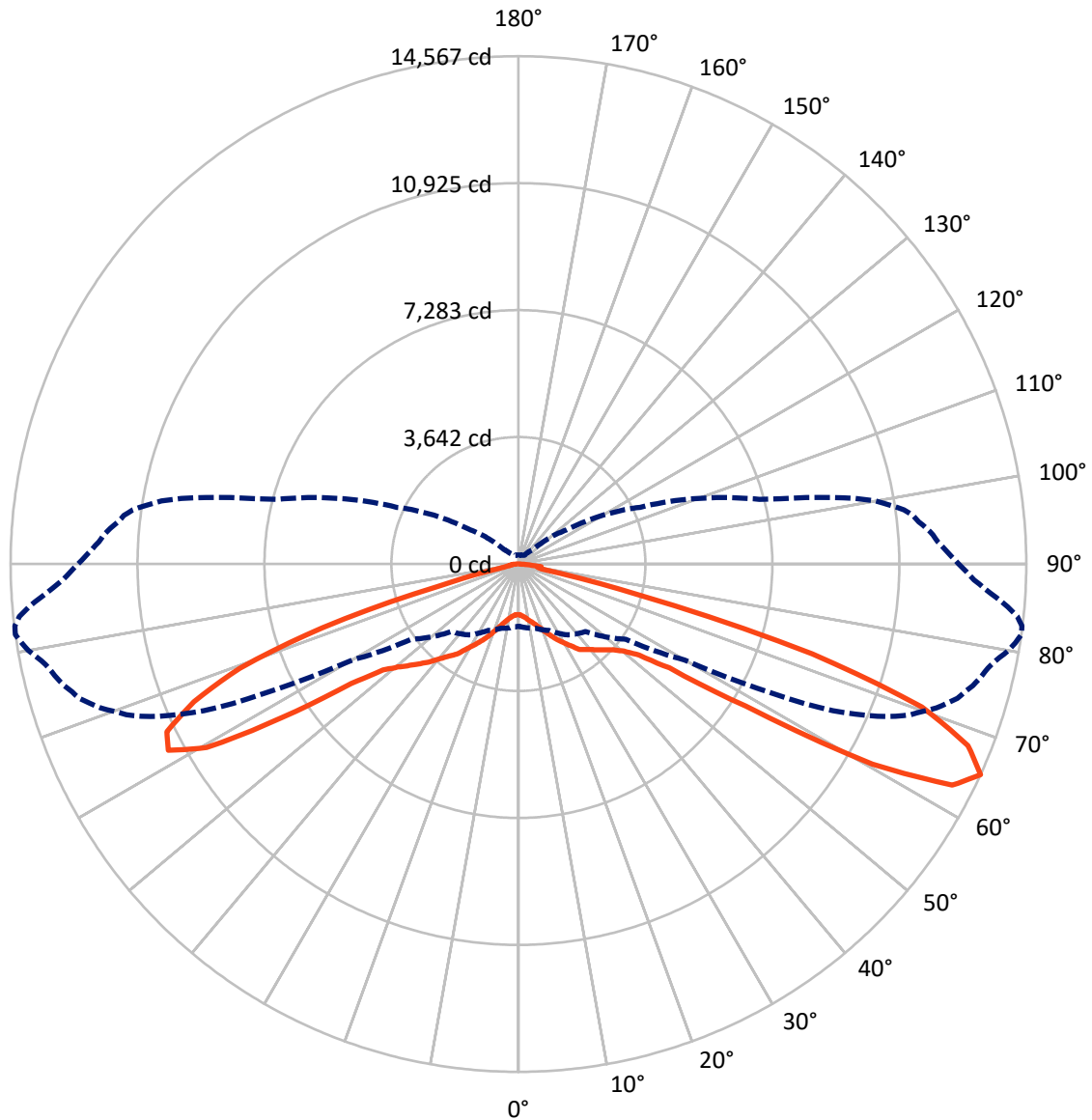
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P159338  
CATALOG NUMBER: VST-E06-LED-E-U-T2-8030

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P159338

CATALOG NUMBER: VST-E06-LED-E-U-T2-8030

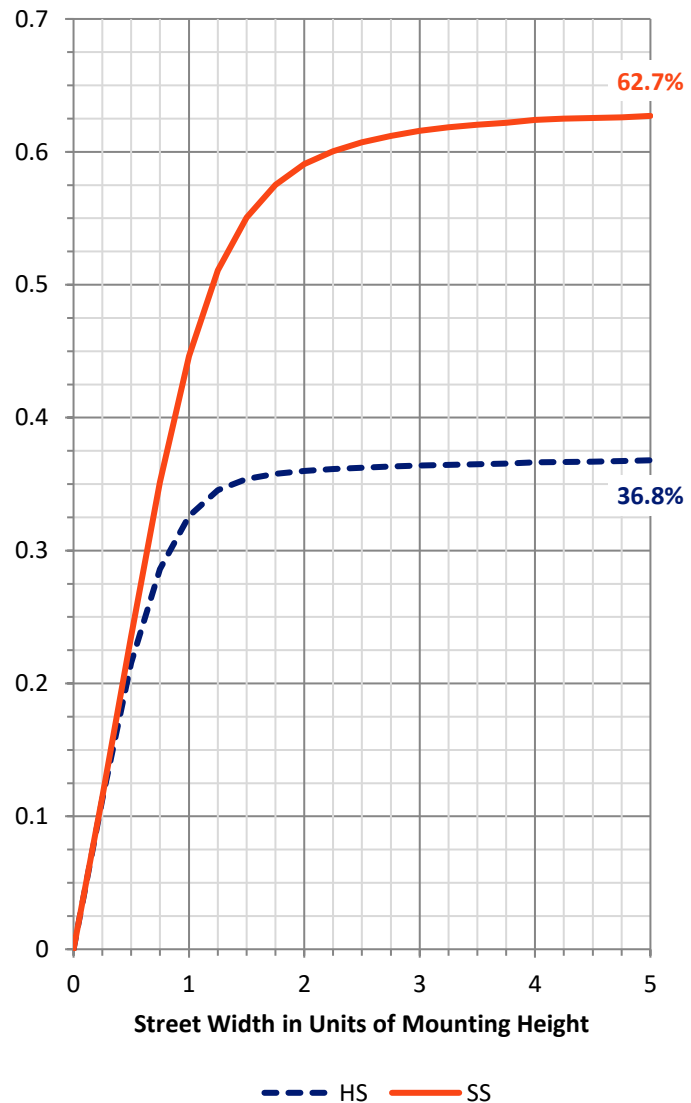
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5819.9	0.0	5819.9
	% Fixture	37.2	0.0	37.2
<b>Street Side</b>	Lumens	9811.0	0.0	9811.0
	% Fixture	62.8	0.0	62.8
<b>Total</b>	Lumens	15631.0	0.0	15631.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.2	0.9
10°-20°	517.3	3.3
20°-30°	1025.1	6.6
30°-40°	1757.2	11.2
40°-50°	2639.8	16.9
50°-60°	3667.6	23.5
60°-70°	4184.1	26.8
70°-80°	1441.4	9.2
80°-90°	251.2	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°	15631.0	100.0
0°-180°	15631.0	100.0



REPORT NUMBER: P159338

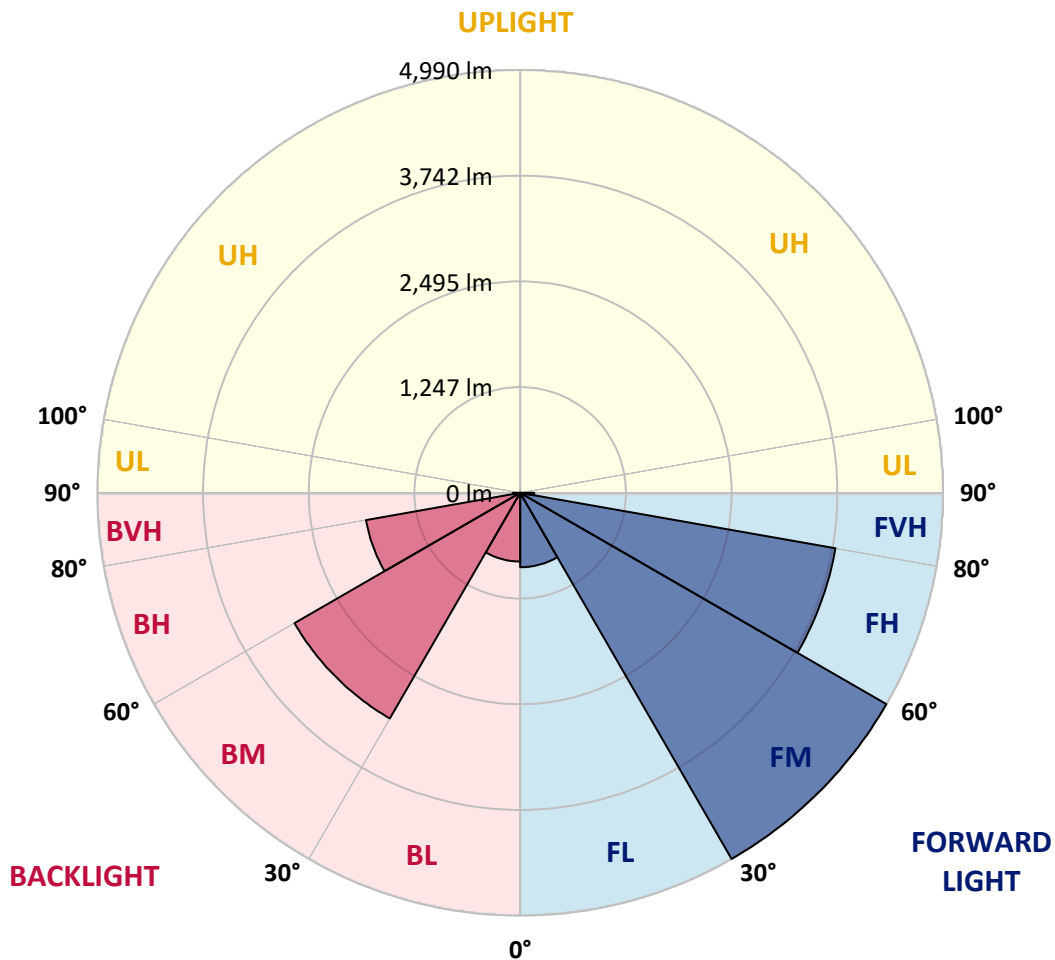
CATALOG NUMBER: VST-E06-LED-E-U-T2-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	878.1	5.6			
FM	(30°-60°)	4989.7	31.9			
FH	(60°-80°)	3777.8	24.2			G2/5000
FVH	(80°-90°)	165.4	1.1			G2/225
BL	(0°-30°)	811.6	5.2	B2/1000		
BM	(30°-60°)	3074.9	19.7	B3/5000		
BH	(60°-80°)	1847.7	11.8	B3/2500		G3/2500
BVH	(80°-90°)	85.8	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: P159338

CATALOG NUMBER: VST-E06-LED-E-U-T2-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1533.4	1534.4	1533.4	1530.3	1529.3	1520.2	1510.1	1505.0	1504.0	1499.9	1501.0
5°	1628.6	1625.5	1621.5	1616.4	1611.3	1596.2	1578.9	1569.8	1566.8	1563.7	1559.7
7.5°	1713.6	1715.7	1713.6	1706.5	1693.4	1674.1	1651.9	1637.7	1636.7	1633.6	1630.6
10°	1823.0	1828.1	1815.9	1803.8	1785.5	1756.2	1730.9	1712.6	1709.6	1705.5	1703.5
12.5°	1941.5	1942.5	1938.5	1911.1	1880.7	1840.2	1803.8	1785.5	1781.5	1776.4	1774.4
15°	2068.1	2069.1	2046.8	2020.5	1973.9	1925.3	1874.7	1854.4	1849.4	1850.4	1842.3
17.5°	2168.4	2170.4	2149.1	2115.7	2060.0	2002.3	1947.6	1931.4	1928.4	1929.4	1925.3
20°	2211.9	2215.0	2201.8	2176.5	2123.8	2073.2	2033.7	2023.6	2022.5	2020.5	2028.6
22.5°	2209.9	2210.9	2205.9	2195.7	2164.3	2135.0	2129.9	2136.0	2135.0	2137.0	2144.1
25°	2191.7	2194.7	2193.7	2197.8	2192.7	2203.8	2227.1	2248.4	2251.4	2255.5	2268.6
27.5°	2238.3	2244.3	2237.3	2241.3	2249.4	2286.9	2334.5	2366.9	2373.0	2384.1	2395.2
30°	2420.6	2412.5	2403.3	2393.2	2398.3	2421.6	2475.3	2503.6	2506.7	2514.8	2529.9
32.5°	2691.0	2681.9	2673.8	2657.6	2653.5	2643.4	2661.6	2668.7	2667.7	2675.8	2679.8
35°	2995.8	2996.8	2994.8	3007.0	3017.1	2965.4	2901.6	2884.4	2891.5	2882.4	2884.4
37.5°	3256.1	3259.2	3312.8	3379.7	3398.9	3366.5	3226.7	3157.9	3134.6	3131.5	3108.2
40°	3544.8	3544.8	3625.8	3707.8	3761.5	3802.0	3635.9	3514.4	3464.8	3450.6	3392.8
42.5°	3861.8	3845.6	3919.5	4009.6	4108.9	4201.0	4115.0	3978.2	3907.3	3882.0	3780.7
45°	4122.1	4111.9	4148.4	4232.4	4393.5	4573.8	4585.9	4516.0	4473.5	4420.8	4327.6
47.5°	4282.1	4277.0	4298.3	4389.4	4591.0	4882.7	5045.7	5081.2	5055.8	5015.3	4925.2
50°	4344.9	4337.8	4353.0	4454.2	4680.1	5065.0	5425.5	5592.6	5604.8	5613.9	5585.5
52.5°	4322.6	4313.5	4344.9	4429.9	4664.9	5128.8	5722.3	6043.3	6097.0	6142.6	6235.7
55°	4108.9	4094.7	4179.8	4339.8	4599.1	5105.5	5939.0	6476.8	6590.2	6711.8	6918.4
57.5°	3781.8	3769.6	3892.1	4111.9	4482.6	5041.7	6084.8	7024.7	7279.9	7498.7	8085.1
60°	3466.8	3456.6	3528.6	3741.2	4104.8	4730.7	5904.6	7209.0	7637.4	8109.4	9179.9
62.5°	2903.7	2876.3	2972.5	3151.8	3381.7	3913.4	5117.6	6798.9	7459.2	8153.0	9604.3
65°	1784.5	1824.0	1907.1	2105.6	2482.3	2735.5	3758.5	5500.5	6371.5	7241.4	9124.2
67.5°	1133.3	1144.5	1206.2	1344.0	1635.7	1889.9	2277.8	3451.6	4123.1	4978.9	7163.5
70°	971.3	978.4	1031.0	1174.8	1376.4	1689.3	1723.8	1802.8	2043.8	2588.7	4211.2
72.5°	765.7	777.8	819.3	943.9	1187.0	1523.2	2127.9	1425.0	1376.4	1422.0	2054.9
75°	455.8	469.9	504.4	572.2	762.6	1164.7	2229.1	1657.9	1545.5	1457.4	1417.9
77.5°	241.0	230.9	254.2	293.7	391.9	620.8	1675.2	2031.7	1952.7	1847.3	1623.5
80°	119.5	123.6	130.6	138.8	175.2	252.2	837.6	2101.5	2329.4	2430.7	2232.2
82.5°	47.6	53.7	76.0	81.0	96.2	107.4	269.4	1164.7	1668.1	2262.6	2954.3
85°	24.3	23.3	40.5	48.6	56.7	50.6	95.2	434.5	781.9	1218.4	1973.9
87.5°	3.0	4.1	9.1	12.2	17.2	16.2	27.3	94.2	149.9	212.7	298.8
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: P159338

CATALOG NUMBER: VST-E06-LED-E-U-T2-8030

**CANDELA DISTRIBUTION (continued):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1495.9	1494.9	1494.9	1490.8	1490.8	1491.8	1488.8	1486.8	1486.8	1487.8	1483.7
5°	1556.7	1553.6	1553.6	1549.6	1544.5	1544.5	1540.5	1539.4	1537.4	1533.4	1530.3
7.5°	1627.6	1624.5	1619.4	1616.4	1614.4	1611.3	1606.3	1604.3	1600.2	1596.2	1592.1
10°	1700.5	1696.4	1694.4	1689.3	1687.3	1681.2	1678.2	1679.2	1671.1	1668.1	1669.1
12.5°	1773.4	1769.3	1762.3	1760.2	1759.2	1753.1	1750.1	1748.1	1742.0	1741.0	1737.9
15°	1838.2	1840.2	1837.2	1832.1	1828.1	1827.1	1824.0	1822.0	1818.0	1813.9	1809.9
17.5°	1922.3	1925.3	1921.3	1914.2	1914.2	1913.2	1914.2	1913.2	1906.1	1909.1	1907.1
20°	2029.6	2031.7	2021.5	2024.6	2026.6	2025.6	2028.6	2031.7	2029.6	2029.6	2032.7
22.5°	2153.2	2156.2	2150.2	2154.2	2160.3	2155.2	2164.3	2163.3	2165.3	2168.4	2169.4
25°	2279.8	2285.9	2280.8	2291.9	2287.9	2291.9	2303.1	2300.0	2305.1	2313.2	2316.2
27.5°	2406.4	2410.4	2411.5	2418.5	2425.6	2431.7	2445.9	2445.9	2449.9	2464.1	2464.1
30°	2539.1	2543.1	2547.2	2557.3	2561.3	2572.5	2586.7	2590.7	2588.7	2608.9	2615.0
32.5°	2692.0	2696.0	2703.1	2715.3	2720.4	2731.5	2731.5	2742.6	2750.7	2768.0	2769.0
35°	2895.6	2898.6	2895.6	2894.6	2901.6	2916.8	2917.8	2934.1	2941.1	2958.4	2963.4
37.5°	3099.1	3098.1	3085.0	3070.8	3071.8	3065.7	3061.7	3068.8	3071.8	3072.8	3083.9
40°	3373.6	3347.3	3327.0	3291.6	3275.4	3250.0	3234.8	3233.8	3217.6	3215.6	3218.6
42.5°	3733.1	3702.8	3655.2	3595.4	3549.8	3503.2	3468.8	3448.5	3413.1	3394.9	3379.7
45°	4235.5	4160.5	4103.8	4032.9	3944.8	3863.8	3778.7	3740.2	3672.4	3630.8	3584.3
47.5°	4849.2	4775.3	4688.2	4615.3	4499.8	4387.4	4270.9	4168.6	4050.1	3956.0	3879.0
50°	5515.6	5472.1	5409.3	5341.4	5192.6	5118.6	4971.8	4833.0	4705.4	4537.3	4390.4
52.5°	6199.3	6224.6	6210.4	6186.1	6091.9	6063.6	5937.0	5767.8	5639.2	5523.8	5268.5
55°	7041.9	7072.3	7133.1	7168.5	7157.4	7229.3	7197.9	7066.2	7014.6	6960.9	6779.6
57.5°	8331.2	8547.9	8779.9	8983.4	9031.0	9286.3	9231.6	9363.2	9456.4	9389.6	9330.8
60°	9705.6	10143.1	10537.1	10949.3	11284.5	11535.7	11867.9	12091.7	12232.5	12485.7	12505.9
62.5°	10259.6	10854.1	11354.4	11832.4	12230.4	12578.8	12878.6	13187.5	13440.7	13669.6	13834.7
65°	9955.7	10576.6	11183.2	11668.3	12051.2	12351.0	12677.1	12922.2	13171.3	13318.2	13491.4
67.5°	8276.5	9098.9	9845.3	10392.2	10915.8	11220.7	11606.6	11847.6	12111.9	12266.9	12378.3
70°	5396.1	6466.7	7486.5	8316.0	9022.9	9378.4	9844.3	10173.5	10491.5	10499.6	10684.9
72.5°	2911.8	3807.1	4660.9	5508.6	6314.7	6787.7	7247.5	7647.6	7963.6	7828.9	8013.2
75°	1621.5	2040.8	2507.7	3017.1	3508.3	3778.7	4122.1	4124.1	4287.1	4030.9	4095.7
77.5°	1559.7	1540.5	1547.5	1561.7	1586.0	1534.4	1533.4	1502.0	1453.4	1365.2	1380.4
80°	2048.9	1803.8	1627.6	1351.1	1087.7	887.2	831.5	844.7	884.2	963.2	1063.4
82.5°	2962.4	2755.8	2460.1	2024.6	1589.1	1225.5	1006.7	893.3	888.2	967.2	1119.1
85°	2157.2	2281.8	2262.6	1888.9	1557.7	1265.0	920.6	777.8	644.1	612.7	666.4
87.5°	318.0	263.3	296.7	248.1	180.3	139.8	122.5	98.2	94.2	96.2	105.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1484.7	1480.7	1476.6	1479.7	1476.6	1475.6	1472.6	1470.6	1469.6	1469.6	1469.6
5°	1530.3	1525.3	1522.2	1521.2	1518.2	1515.1	1514.1	1509.1	1508.0	1508.0	1505.0
7.5°	1592.1	1588.1	1583.0	1580.0	1577.9	1572.9	1567.8	1566.8	1565.8	1561.7	1558.7
10°	1664.0	1657.9	1651.9	1651.9	1647.8	1646.8	1641.7	1634.6	1633.6	1627.6	1625.5
12.5°	1731.9	1729.8	1722.8	1720.7	1717.7	1714.7	1711.6	1708.6	1705.5	1700.5	1702.5
15°	1812.9	1807.8	1801.8	1802.8	1801.8	1797.7	1793.6	1790.6	1788.6	1786.6	1786.6
17.5°	1910.1	1908.1	1907.1	1902.0	1898.0	1901.0	1901.0	1901.0	1895.9	1897.0	1898.0
20°	2033.7	2035.7	2033.7	2029.6	2028.6	2031.7	2024.6	2035.7	2029.6	2025.6	2027.6
22.5°	2170.4	2177.5	2169.4	2170.4	2175.5	2177.5	2170.4	2179.5	2176.5	2170.4	2175.5
25°	2319.3	2324.4	2320.3	2319.3	2322.3	2329.4	2328.4	2327.4	2334.5	2328.4	2331.4
27.5°	2472.2	2475.3	2477.3	2480.3	2482.3	2481.3	2485.4	2485.4	2489.4	2482.3	2485.4
30°	2624.1	2624.1	2628.2	2632.2	2632.2	2632.2	2640.3	2641.4	2635.3	2637.3	2630.2
32.5°	2786.2	2787.2	2791.2	2791.2	2799.3	2800.4	2809.5	2797.3	2809.5	2799.3	2801.4
35°	2976.6	2989.8	2991.8	3001.9	3010.0	3013.0	3013.0	3014.1	3025.2	3017.1	3020.1
37.5°	3088.0	3091.0	3099.1	3104.2	3104.2	3108.2	3111.3	3108.2	3111.3	3110.3	3113.3
40°	3219.7	3216.6	3225.7	3227.8	3223.7	3228.8	3227.8	3224.7	3232.8	3226.7	3230.8
42.5°	3379.7	3362.5	3361.4	3369.5	3361.4	3365.5	3364.5	3357.4	3367.5	3370.6	3367.5
45°	3550.8	3541.7	3523.5	3523.5	3515.4	3512.4	3513.4	3512.4	3513.4	3525.5	3529.6
47.5°	3829.4	3773.7	3742.3	3712.9	3688.6	3687.6	3676.4	3682.5	3690.6	3710.9	3729.1
50°	4296.3	4167.6	4088.6	4015.7	3963.0	3944.8	3923.5	3921.5	3928.6	3951.9	3983.3
52.5°	5128.8	4950.5	4782.4	4626.4	4490.7	4386.4	4334.7	4307.4	4297.3	4320.6	4350.9
55°	6652.0	6315.8	6078.8	5920.8	5583.5	5440.7	5257.4	5173.3	5091.3	5099.4	5151.0
57.5°	9254.9	9073.6	8875.1	8598.6	8392.0	8142.8	7685.0	7429.8	7441.0	7500.7	7314.4
60°	12665.9	12482.6	12400.6	12149.4	12005.6	11905.3	11662.3	11238.9	11089.0	11060.7	10718.3
62.5°	13961.3	14004.8	14069.7	14140.6	14136.5	14180.1	13967.4	13829.6	13656.4	13431.6	13093.3
65°	13623.0	13733.4	13865.1	14055.5	14272.2	14432.2	14566.9	14550.7	14388.7	14088.9	13731.4
67.5°	12477.6	12586.9	12683.2	12938.4	13293.9	13619.0	13906.6	14102.1	13993.7	13745.6	13328.3
70°	10755.8	10834.8	10895.6	11117.4	11507.3	11904.3	12280.1	12608.2	12574.8	12274.0	11940.8
72.5°	7793.4	7984.8	8088.1	8072.9	8314.0	8758.6	8811.3	9091.8	9169.8	8845.7	8315.0
75°	3796.9	3800.0	3680.5	3641.0	3653.1	3730.1	3583.2	3592.4	3541.7	3311.8	3122.4
77.5°	1326.8	1290.3	1203.2	1099.9	952.0	813.3	672.5	611.7	591.5	531.7	490.2
80°	1143.4	1197.1	1179.9	1094.8	938.9	748.5	559.1	414.2	353.5	332.2	311.9
82.5°	1298.4	1505.0	1636.7	1629.6	1415.9	1063.4	663.4	380.8	271.4	238.0	218.8
85°	724.1	778.8	794.0	723.1	600.6	410.2	228.9	161.0	136.7	124.6	112.4
87.5°	115.5	105.3	103.3	90.1	85.1	78.0	68.9	64.8	59.8	56.7	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: P159338

CATALOG NUMBER: VST-E06-LED-E-U-T2-8030

**CANDELA DISTRIBUTION (continued):**

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1468.5	1467.5	1464.5	1461.5	1459.4	1458.4	1457.4	1455.4	1454.4	1453.4	1451.3
5°	1503.0	1501.0	1495.9	1490.8	1488.8	1485.8	1482.7	1480.7	1478.7	1477.7	1473.6
7.5°	1556.7	1554.6	1548.6	1544.5	1543.5	1535.4	1534.4	1531.3	1526.3	1525.3	1519.2
10°	1621.5	1620.5	1615.4	1612.4	1610.3	1606.3	1600.2	1595.1	1590.1	1590.1	1586.0
12.5°	1696.4	1692.4	1695.4	1688.3	1686.3	1682.2	1679.2	1678.2	1672.1	1667.1	1666.0
15°	1784.5	1779.5	1779.5	1777.4	1775.4	1771.4	1770.4	1771.4	1765.3	1767.3	1761.2
17.5°	1893.9	1895.9	1894.9	1894.9	1889.9	1889.9	1881.8	1891.9	1884.8	1889.9	1887.8
20°	2030.6	2031.7	2029.6	2032.7	2034.7	2033.7	2032.7	2031.7	2034.7	2038.7	2035.7
22.5°	2176.5	2176.5	2175.5	2186.6	2174.5	2183.6	2186.6	2180.5	2196.7	2194.7	2197.8
25°	2334.5	2334.5	2342.6	2351.7	2353.7	2346.6	2350.7	2345.6	2355.7	2363.8	2365.9
27.5°	2481.3	2494.5	2500.6	2494.5	2499.6	2510.7	2509.7	2509.7	2516.8	2514.8	2534.0
30°	2632.2	2640.3	2648.4	2644.4	2646.4	2660.6	2661.6	2662.6	2671.7	2684.9	2699.1
32.5°	2804.4	2812.5	2808.5	2821.6	2820.6	2837.8	2840.9	2843.9	2872.3	2867.2	2896.6
35°	3016.1	3024.2	3020.1	3034.3	3032.3	3038.4	3049.5	3061.7	3066.7	3096.1	3119.4
37.5°	3115.3	3115.3	3124.5	3140.7	3146.7	3156.9	3174.1	3189.3	3214.6	3246.0	3282.4
40°	3234.8	3237.9	3250.0	3267.3	3278.4	3301.7	3333.1	3354.4	3392.8	3427.3	3469.8
42.5°	3379.7	3392.8	3407.0	3430.3	3454.6	3491.1	3535.6	3563.0	3613.6	3658.2	3710.9
45°	3548.8	3562.0	3595.4	3637.9	3673.4	3713.9	3750.4	3815.2	3860.8	3907.3	3952.9
47.5°	3753.4	3791.9	3819.2	3869.9	3913.4	3967.1	4012.7	4073.4	4123.1	4179.8	4218.3
50°	4015.7	4063.3	4098.8	4164.6	4207.1	4266.9	4324.6	4370.2	4420.8	4476.5	4507.9
52.5°	4392.5	4441.1	4485.6	4567.7	4620.3	4660.9	4737.8	4794.5	4841.1	4881.6	4916.1
55°	5208.8	5194.6	5318.2	5477.2	5495.4	5642.2	5669.6	5717.2	5803.3	5815.4	5911.7
57.5°	7541.2	7468.3	7647.6	7880.5	7840.0	7766.1	8075.0	8094.2	8050.7	8167.1	8035.5
60°	10769.0	10641.4	10690.0	10753.8	10661.6	10618.1	10633.3	10676.8	10634.3	10587.7	10460.1
62.5°	12924.2	12727.7	12586.9	12468.4	12318.6	12210.2	12088.7	11938.8	11898.2	11728.1	11585.3
65°	13384.0	13078.1	12855.3	12631.5	12424.9	12233.5	12050.2	11921.5	11751.4	11549.8	11401.0
67.5°	12878.6	12499.8	12173.7	11848.6	11614.7	11333.1	11195.4	10985.7	10776.1	10545.2	10408.4
70°	11410.1	11015.1	10604.9	10286.9	9968.9	9620.5	9552.6	9304.5	9184.0	8869.0	8814.3
72.5°	7875.4	7612.1	7428.8	7035.8	6842.4	6664.2	6607.4	6377.5	6401.8	6056.5	6182.1
75°	2800.4	2762.9	2709.2	2487.4	2447.9	2379.0	2360.8	2344.6	2508.7	2280.8	2445.9
77.5°	481.1	478.0	450.7	437.5	462.8	446.6	450.7	442.6	490.2	497.3	486.1
80°	298.8	290.7	281.6	275.5	276.5	270.4	271.4	273.5	276.5	275.5	278.5
82.5°	204.6	197.5	193.4	189.4	195.5	197.5	202.6	207.6	215.7	220.8	226.9
85°	111.4	102.3	102.3	101.3	109.4	115.5	123.6	133.7	147.9	160.0	173.2
87.5°	56.7	54.7	55.7	57.7	64.8	69.9	80.0	89.1	101.3	114.4	126.6
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: P159338

CATALOG NUMBER: VST-E06-LED-E-U-T2-8030

**CANDELA DISTRIBUTION (continued):**

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1450.3	1450.3	1449.3	1449.3	1448.3	1447.3	1446.3	1443.2	1432.1	1422.0	1414.9
5°	1472.6	1469.6	1468.5	1465.5	1464.5	1462.5	1459.4	1456.4	1436.1	1417.9	1404.7
7.5°	1518.2	1514.1	1512.1	1509.1	1506.0	1502.0	1497.9	1494.9	1470.6	1449.3	1433.1
10°	1577.9	1575.9	1574.9	1570.8	1570.8	1564.8	1563.7	1556.7	1530.3	1511.1	1496.9
12.5°	1661.0	1656.9	1655.9	1650.8	1652.9	1650.8	1648.8	1644.8	1625.5	1603.2	1584.0
15°	1764.3	1764.3	1759.2	1755.2	1756.2	1754.2	1758.2	1753.1	1741.0	1720.7	1689.3
17.5°	1888.9	1886.8	1888.9	1885.8	1887.8	1889.9	1884.8	1885.8	1879.7	1854.4	1807.8
20°	2033.7	2030.6	2042.8	2037.7	2048.9	2038.7	2040.8	2043.8	2043.8	2010.4	1947.6
22.5°	2199.8	2197.8	2197.8	2207.9	2211.9	2212.9	2217.0	2220.0	2228.1	2185.6	2085.3
25°	2365.9	2373.0	2374.0	2387.1	2393.2	2393.2	2396.3	2407.4	2431.7	2373.0	2243.3
27.5°	2535.0	2552.2	2556.3	2565.4	2574.5	2583.6	2590.7	2598.8	2638.3	2574.5	2405.4
30°	2704.1	2723.4	2737.6	2747.7	2758.8	2781.1	2785.2	2801.4	2867.2	2789.2	2559.3
32.5°	2902.7	2930.0	2948.2	2961.4	2978.6	2999.9	3012.0	3032.3	3096.1	2968.5	2671.7
35°	3139.6	3155.9	3182.2	3204.5	3214.6	3251.1	3270.3	3275.4	3324.0	3123.4	2754.8
37.5°	3303.7	3331.1	3376.6	3408.0	3426.3	3446.5	3478.9	3500.2	3546.8	3264.2	2796.3
40°	3512.4	3553.9	3590.3	3636.9	3666.3	3681.5	3713.9	3731.1	3737.2	3384.7	2783.1
42.5°	3766.6	3804.0	3852.6	3890.1	3912.4	3929.6	3956.0	3963.0	3884.0	3441.5	2712.2
45°	4005.6	4063.3	4104.8	4132.2	4148.4	4157.5	4173.7	4174.7	4005.6	3413.1	2590.7
47.5°	4262.8	4304.4	4342.8	4362.1	4360.1	4362.1	4356.0	4352.0	4066.3	3314.9	2434.7
50°	4547.4	4574.8	4591.0	4600.1	4605.2	4585.9	4558.6	4540.3	4071.4	3175.1	2276.7
52.5°	4929.2	4963.7	4960.6	4959.6	4919.1	4900.9	4828.0	4790.5	4042.0	3011.0	2098.5
55°	5896.5	5863.0	5797.2	5829.6	5664.5	5578.4	5465.0	5359.7	4080.5	2855.1	1891.9
57.5°	8088.1	8101.3	7913.9	7813.7	7535.2	7186.8	6906.2	6633.8	4426.9	2759.9	1622.5
60°	10375.0	10202.8	9964.8	9602.3	9243.7	8726.2	8226.9	7754.9	4772.3	2660.6	1303.5
62.5°	11373.6	11128.5	10769.0	10300.1	9737.0	9104.0	8482.1	7906.8	4605.2	2339.5	948.0
65°	11171.1	10796.3	10399.3	9850.4	9165.7	8472.0	7745.8	7158.4	3852.6	1745.0	584.4
67.5°	10111.7	9793.7	9374.4	8723.2	7990.9	7268.8	6603.4	5945.1	2862.1	1087.7	327.1
70°	8534.8	8223.8	7798.5	7132.1	6400.8	5710.1	5005.2	4468.4	1824.0	524.6	236.0
72.5°	5920.8	5668.6	5367.8	4892.8	4251.7	3623.8	3146.7	2734.5	1010.8	278.5	215.7
75°	2404.4	2405.4	2350.7	2150.2	1816.9	1566.8	1335.9	1133.3	422.3	237.0	212.7
77.5°	544.9	554.0	605.6	574.3	517.5	484.1	433.5	382.8	257.2	244.1	214.7
80°	275.5	276.5	273.5	274.5	271.4	272.4	268.4	265.4	241.0	251.2	214.7
82.5°	229.9	235.0	234.0	234.0	235.0	235.0	235.0	234.0	250.2	264.3	207.6
85°	182.3	192.4	200.5	208.6	217.7	223.8	226.9	229.9	243.1	260.3	188.4
87.5°	137.7	149.9	160.0	168.1	182.3	182.3	192.4	199.5	199.5	203.6	99.3
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: P159338

CATALOG NUMBER: VST-E06-LED-E-U-T2-8030

**CANDELA DISTRIBUTION (continued):**

	145°	155°	165°	175°	180°
0°	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1404.7	1400.7	1396.6	1394.6	1390.6
5°	1394.6	1386.5	1381.4	1381.4	1377.4
7.5°	1424.0	1420.9	1413.9	1409.8	1413.9
10°	1486.8	1481.7	1473.6	1467.5	1470.6
12.5°	1570.8	1550.6	1534.4	1527.3	1522.2
15°	1657.9	1617.4	1585.0	1566.8	1561.7
17.5°	1751.1	1680.2	1631.6	1604.3	1599.2
20°	1846.3	1758.2	1689.3	1653.9	1652.9
22.5°	1960.8	1843.3	1755.2	1708.6	1705.5
25°	2081.3	1919.2	1802.8	1743.0	1736.9
27.5°	2185.6	1980.0	1832.1	1761.2	1755.2
30°	2272.7	2025.6	1856.4	1774.4	1766.3
32.5°	2335.5	2051.9	1866.6	1778.5	1769.3
35°	2355.7	2041.8	1838.2	1742.0	1731.9
37.5°	2328.4	1976.0	1759.2	1652.9	1640.7
40°	2246.4	1860.5	1630.6	1521.2	1506.0
42.5°	2120.8	1718.7	1475.6	1371.3	1352.1
45°	1965.8	1558.7	1321.7	1205.2	1196.1
47.5°	1803.8	1390.6	1148.5	1043.2	1032.0
50°	1628.6	1196.1	979.4	864.9	864.9
52.5°	1419.9	1006.7	782.9	696.8	689.7
55°	1179.9	793.0	623.9	558.0	548.9
57.5°	921.6	609.7	498.3	459.8	449.7
60°	677.6	457.8	401.1	379.8	375.7
62.5°	459.8	348.4	323.1	314.0	313.0
65°	310.9	271.4	264.3	261.3	262.3
67.5°	239.0	225.9	222.8	221.8	221.8
70°	207.6	199.5	196.5	197.5	196.5
72.5°	195.5	184.3	185.3	187.4	186.4
75°	191.4	177.2	181.3	182.3	178.3
77.5°	188.4	169.1	179.3	182.3	171.2
80°	182.3	162.0	186.4	187.4	168.1
82.5°	167.1	143.8	186.4	172.2	151.9
85°	141.8	109.4	210.7	149.9	112.4
87.5°	90.1	64.8	142.8	102.3	67.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)