

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: P159339

Luminaire Tested: **VST-E06-LED-E-U-T2-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P159339  
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-T2-7030  
Description: VENTUS LED SITE/ROADWAY LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA  
Light Source: (126) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16915.5 lumens  
Efficiency: N/A  
Efficacy: 112.4 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

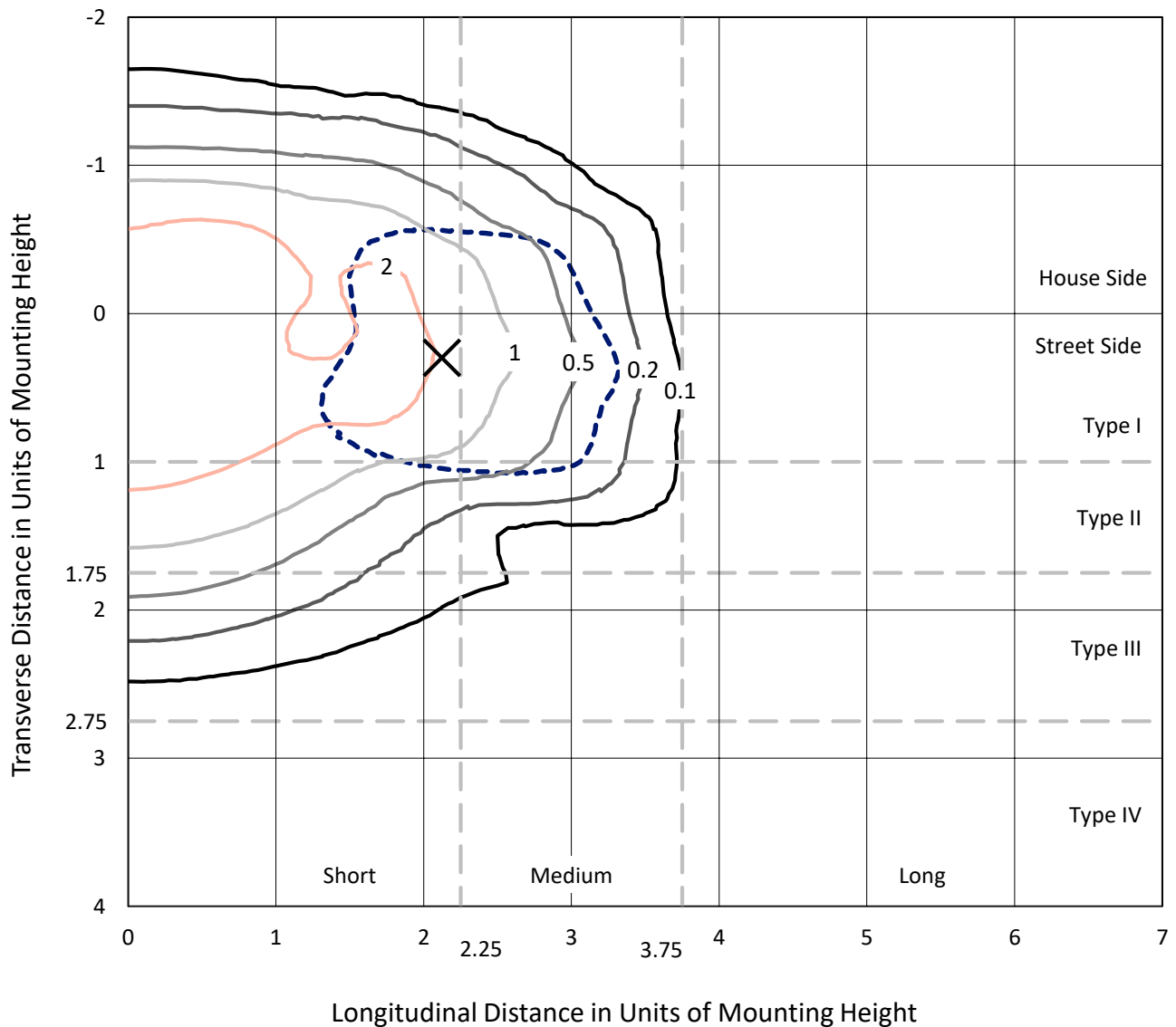
Input Watts (W): 150.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

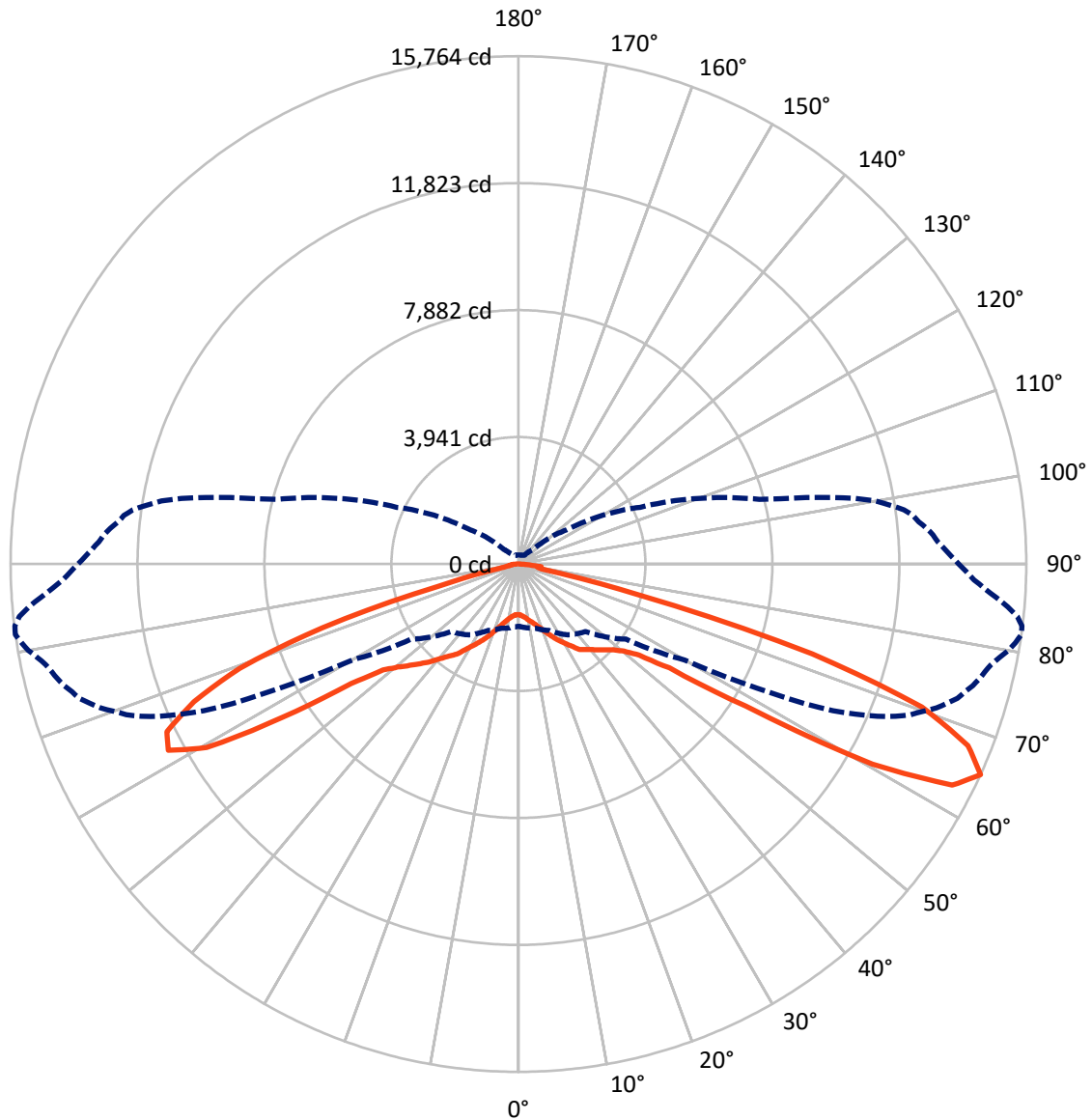
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



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

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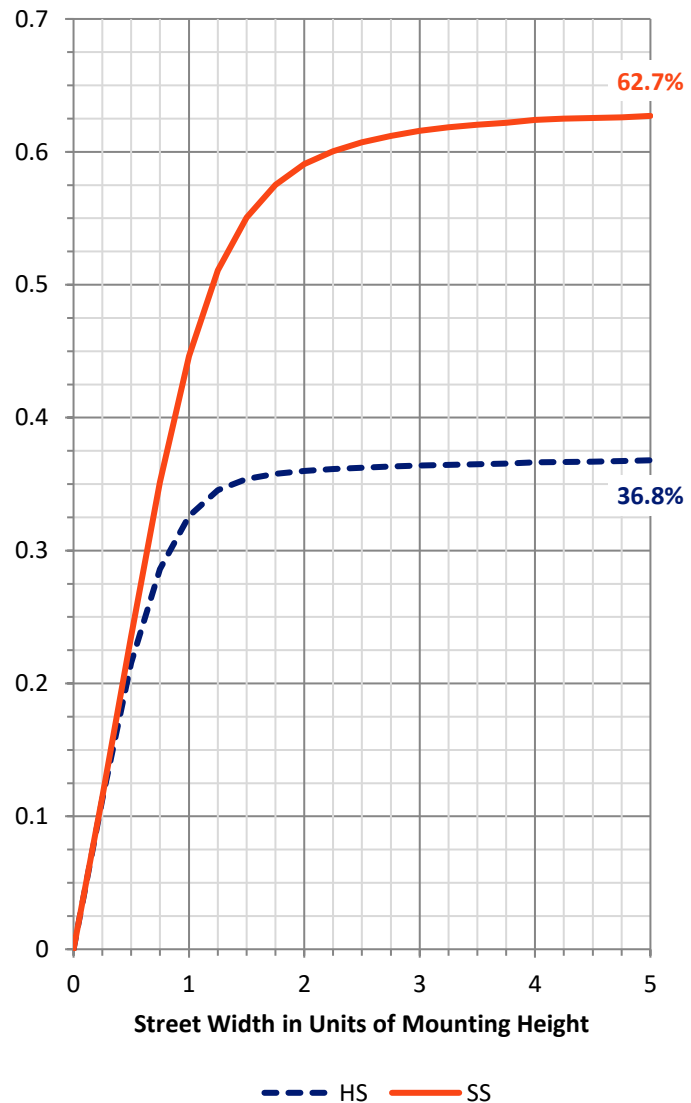
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6298.2	0.0	6298.2
	% Fixture	37.2	0.0	37.2
<b>Street Side</b>	Lumens	10617.3	0.0	10617.3
	% Fixture	62.8	0.0	62.8
<b>Total</b>	Lumens	16915.5	0.0	16915.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.3	0.9
10°-20°	559.9	3.3
20°-30°	1109.3	6.6
30°-40°	1901.6	11.2
40°-50°	2856.7	16.9
50°-60°	3968.9	23.5
60°-70°	4528.0	26.8
70°-80°	1559.8	9.2
80°-90°	271.9	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°	16915.5	100.0
0°-180°	16915.5	100.0

**Coefficient of Utilization**



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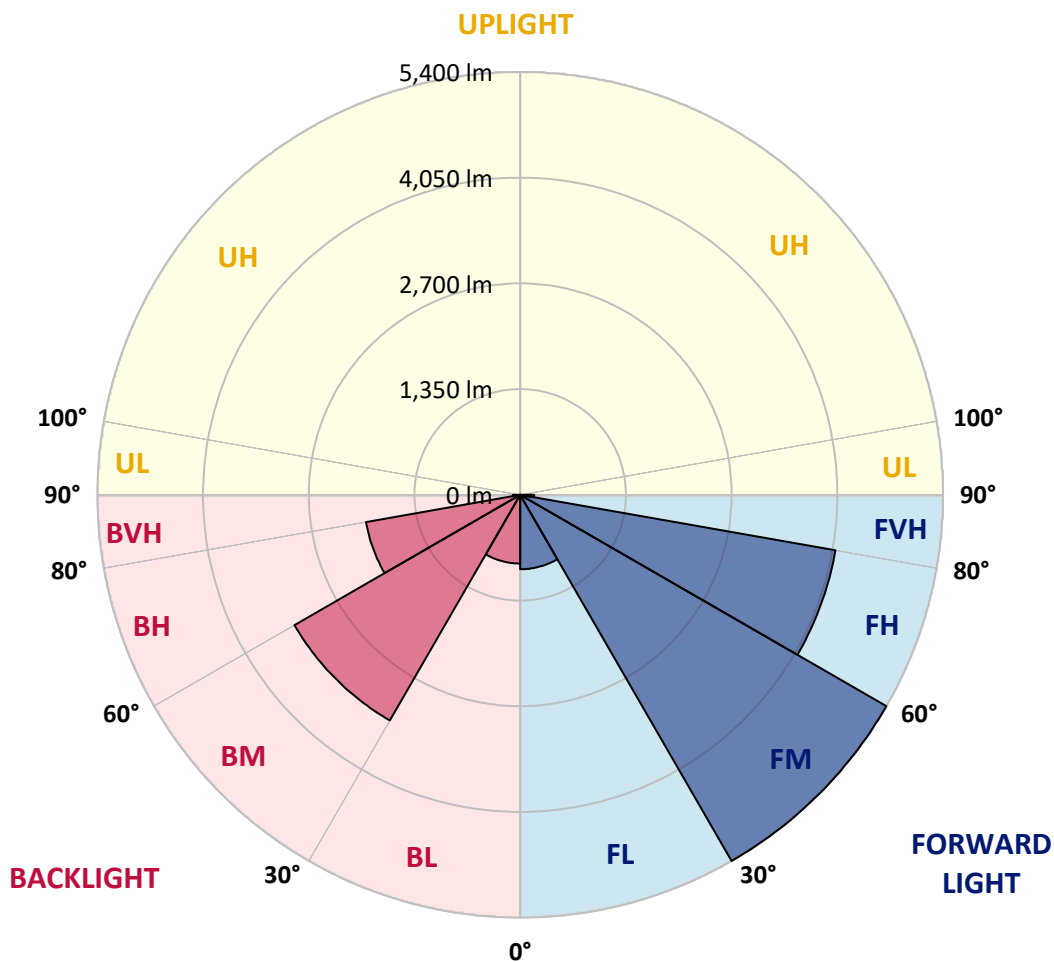
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	950.3	5.6			
FM	(30°-60°)	5399.8	31.9			
FH	(60°-80°)	4088.3	24.2			G2/5000
FVH	(80°-90°)	179.0	1.1			G2/225
BL	(0°-30°)	878.2	5.2	B2/1000		
BM	(30°-60°)	3327.6	19.7	B3/5000		
BH	(60°-80°)	1999.5	11.8	B3/2500		G3/2500
BVH	(80°-90°)	92.9	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9
2.5°	1659.4	1660.5	1659.4	1656.1	1655.0	1645.1	1634.2	1628.7	1627.6	1623.2	1624.3
5°	1762.4	1759.1	1754.7	1749.2	1743.8	1727.3	1708.7	1698.8	1695.5	1692.3	1687.9
7.5°	1854.5	1856.7	1854.5	1846.8	1832.5	1811.7	1787.6	1772.3	1771.2	1767.9	1764.6
10°	1972.8	1978.3	1965.2	1952.0	1932.3	1900.5	1873.1	1853.4	1850.1	1845.7	1843.5
12.5°	2101.1	2102.2	2097.8	2068.2	2035.3	1991.5	1952.0	1932.3	1927.9	1922.4	1920.2
15°	2238.1	2239.2	2215.1	2186.6	2136.1	2083.5	2028.7	2006.8	2001.3	2002.4	1993.7
17.5°	2346.6	2348.8	2325.8	2289.6	2229.3	2166.8	2107.6	2090.1	2086.8	2087.9	2083.5
20°	2393.7	2397.0	2382.7	2355.3	2298.4	2243.6	2200.8	2189.8	2188.8	2186.6	2195.3
22.5°	2391.5	2392.6	2387.1	2376.2	2342.2	2310.4	2304.9	2311.5	2310.4	2312.6	2320.3
25°	2371.8	2375.1	2374.0	2378.4	2372.9	2384.9	2410.1	2433.2	2436.5	2440.8	2455.1
27.5°	2422.2	2428.8	2421.1	2425.5	2434.3	2474.8	2526.3	2561.4	2568.0	2580.0	2592.1
30°	2619.5	2610.7	2600.9	2589.9	2595.4	2620.6	2678.7	2709.4	2712.7	2721.4	2737.9
32.5°	2912.1	2902.3	2893.5	2876.0	2871.6	2860.6	2880.3	2888.0	2886.9	2895.7	2900.1
35°	3242.0	3243.1	3240.9	3254.1	3265.0	3209.1	3140.1	3121.5	3129.1	3119.3	3121.5
37.5°	3523.7	3527.0	3585.1	3657.4	3678.2	3643.2	3491.9	3417.4	3392.2	3388.9	3363.7
40°	3836.1	3836.1	3923.8	4012.5	4070.6	4114.5	3934.7	3803.2	3749.5	3734.1	3671.7
42.5°	4179.1	4161.6	4241.6	4339.1	4446.6	4546.3	4453.1	4305.2	4228.4	4201.0	4091.4
45°	4460.8	4449.8	4489.3	4580.3	4754.5	4949.6	4962.8	4887.2	4841.1	4784.1	4683.3
47.5°	4634.0	4628.5	4651.5	4750.2	4968.3	5283.9	5460.4	5498.7	5471.3	5427.5	5329.9
50°	4701.9	4694.3	4710.7	4820.3	5064.7	5481.2	5871.4	6052.2	6065.4	6075.2	6044.6
52.5°	4677.8	4668.0	4701.9	4794.0	5048.3	5550.2	6192.5	6540.0	6598.0	6647.4	6748.2
55°	4446.6	4431.2	4523.3	4696.4	4977.0	5525.0	6427.1	7009.1	7131.8	7263.3	7486.9
57.5°	4092.5	4079.4	4212.0	4449.8	4851.0	5456.0	6584.9	7602.0	7878.2	8114.9	8749.5
60°	3751.7	3740.7	3818.5	4048.7	4442.2	5119.5	6389.8	7801.5	8265.1	8775.8	9934.3
62.5°	3142.3	3112.7	3216.8	3410.8	3659.6	4235.0	5538.2	7357.6	8072.2	8823.0	10393.6
65°	1931.2	1973.9	2063.8	2278.6	2686.3	2960.4	4067.3	5952.5	6895.1	7836.5	9874.0
67.5°	1226.4	1238.5	1305.4	1454.4	1770.1	2045.2	2464.9	3735.2	4461.9	5388.0	7752.2
70°	1051.1	1058.8	1115.7	1271.4	1489.5	1828.2	1865.4	1950.9	2211.8	2801.4	4557.3
72.5°	828.6	841.7	886.7	1021.5	1284.5	1648.4	2302.7	1542.1	1489.5	1538.8	2223.8
75°	493.2	508.6	545.8	619.3	825.3	1260.4	2412.3	1794.2	1672.5	1577.2	1534.4
77.5°	260.9	249.9	275.1	317.8	424.2	671.9	1812.8	2198.6	2113.1	1999.1	1756.9
80°	129.3	133.7	141.4	150.2	189.6	272.9	906.4	2274.2	2520.8	2630.4	2415.6
82.5°	51.5	58.1	82.2	87.7	104.1	116.2	291.5	1260.4	1805.1	2448.5	3197.1
85°	26.3	25.2	43.8	52.6	61.4	54.8	103.0	470.2	846.1	1318.5	2136.1
87.5°	3.3	4.4	9.9	13.2	18.6	17.5	29.6	101.9	162.2	230.2	323.3
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9
2.5°	1618.8	1617.7	1617.7	1613.3	1613.3	1614.4	1611.2	1609.0	1609.0	1610.1	1605.7
5°	1684.6	1681.3	1681.3	1676.9	1671.4	1671.4	1667.0	1666.0	1663.8	1659.4	1656.1
7.5°	1761.3	1758.0	1752.5	1749.2	1747.1	1743.8	1738.3	1736.1	1731.7	1727.3	1722.9
10°	1840.2	1835.8	1833.6	1828.2	1826.0	1819.4	1816.1	1817.2	1808.4	1805.1	1806.2
12.5°	1919.1	1914.7	1907.1	1904.9	1903.8	1897.2	1893.9	1891.7	1885.2	1884.1	1880.8
15°	1989.3	1991.5	1988.2	1982.7	1978.3	1977.2	1973.9	1971.7	1967.4	1963.0	1958.6
17.5°	2080.2	2083.5	2079.2	2071.5	2071.5	2070.4	2071.5	2070.4	2062.7	2066.0	2063.8
20°	2196.4	2198.6	2187.7	2190.9	2193.1	2192.0	2195.3	2198.6	2196.4	2196.4	2199.7
22.5°	2330.1	2333.4	2326.9	2331.2	2337.8	2332.3	2342.2	2341.1	2343.3	2346.6	2347.7
25°	2467.1	2473.7	2468.2	2480.3	2475.9	2480.3	2492.4	2489.1	2494.5	2503.3	2506.6
27.5°	2604.1	2608.5	2609.6	2617.3	2625.0	2631.5	2646.9	2646.9	2651.3	2666.6	2666.6
30°	2747.7	2752.1	2756.5	2767.5	2771.8	2783.9	2799.2	2803.6	2801.4	2823.3	2829.9
32.5°	2913.2	2917.6	2925.3	2938.4	2943.9	2956.0	2956.0	2968.0	2976.8	2995.4	2996.5
35°	3133.5	3136.8	3133.5	3132.4	3140.1	3156.5	3157.6	3175.2	3182.8	3201.5	3207.0
37.5°	3353.8	3352.7	3338.5	3323.1	3324.2	3317.7	3313.3	3320.9	3324.2	3325.3	3337.4
40°	3650.8	3622.3	3600.4	3562.1	3544.5	3517.1	3500.7	3499.6	3482.1	3479.9	3483.2
42.5°	4039.9	4007.1	3955.5	3890.9	3841.6	3791.1	3753.9	3731.9	3693.6	3673.9	3657.4
45°	4583.6	4502.5	4441.1	4364.4	4269.0	4181.3	4089.3	4047.6	3974.2	3929.2	3878.8
47.5°	5247.7	5167.7	5073.5	4994.6	4869.6	4748.0	4621.9	4511.2	4383.0	4281.1	4197.8
50°	5968.9	5921.8	5853.8	5780.4	5619.3	5539.3	5380.4	5230.2	5092.1	4910.2	4751.2
52.5°	6708.7	6736.1	6720.8	6694.5	6592.6	6561.9	6424.9	6241.8	6102.6	5977.7	5701.5
55°	7620.6	7653.5	7719.3	7757.6	7745.6	7823.4	7789.4	7646.9	7591.0	7532.9	7336.8
57.5°	9015.9	9250.4	9501.4	9721.7	9773.2	10049.4	9990.2	10132.7	10233.5	10161.2	10097.6
60°	10503.2	10976.6	11403.0	11849.1	12211.9	12483.7	12843.2	13085.4	13237.7	13511.7	13533.7
62.5°	11102.7	11746.1	12287.5	12804.8	13235.5	13612.6	13937.0	14271.3	14545.3	14793.0	14971.6
65°	10773.9	11445.7	12102.3	12627.3	13041.5	13366.0	13718.9	13984.1	14253.7	14412.7	14600.1
67.5°	8956.7	9846.6	10654.4	11246.3	11812.9	12142.8	12560.4	12821.2	13107.3	13275.0	13395.6
70°	5839.6	6998.1	8101.8	8999.4	9764.4	10149.1	10653.3	11009.5	11353.7	11362.4	11563.0
72.5°	3151.1	4119.9	5043.9	5961.3	6833.7	7345.5	7843.1	8276.1	8618.0	8472.2	8671.7
75°	1754.7	2208.5	2713.7	3265.0	3796.6	4089.3	4460.8	4463.0	4639.5	4362.2	4432.3
77.5°	1687.9	1667.0	1674.7	1690.1	1716.4	1660.5	1659.4	1625.4	1572.8	1477.4	1493.9
80°	2217.2	1952.0	1761.3	1462.1	1177.1	960.1	899.8	914.1	956.8	1042.3	1150.8
82.5°	3205.9	2982.3	2662.2	2190.9	1719.7	1326.2	1089.4	966.7	961.2	1046.7	1211.1
85°	2334.5	2469.3	2448.5	2044.1	1685.7	1368.9	996.3	841.7	697.1	663.1	721.2
87.5°	344.2	285.0	321.1	268.5	195.1	151.3	132.6	106.3	101.9	104.1	114.0
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°	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9
2.5°	1606.8	1602.4	1598.0	1601.3	1598.0	1596.9	1593.6	1591.4	1590.3	1590.3	1590.3
5°	1656.1	1650.6	1647.3	1646.2	1642.9	1639.6	1638.6	1633.1	1632.0	1632.0	1628.7
7.5°	1722.9	1718.6	1713.1	1709.8	1707.6	1702.1	1696.6	1695.5	1694.4	1690.1	1686.8
10°	1800.8	1794.2	1787.6	1787.6	1783.2	1782.1	1776.6	1769.0	1767.9	1761.3	1759.1
12.5°	1874.2	1872.0	1864.3	1862.1	1858.9	1855.6	1852.3	1849.0	1845.7	1840.2	1842.4
15°	1961.9	1956.4	1949.8	1950.9	1949.8	1945.4	1941.1	1937.8	1935.6	1933.4	1933.4
17.5°	2067.1	2064.9	2063.8	2058.3	2053.9	2057.2	2057.2	2057.2	2051.8	2052.8	2053.9
20°	2200.8	2203.0	2200.8	2196.4	2195.3	2198.6	2190.9	2203.0	2196.4	2192.0	2194.2
22.5°	2348.8	2356.4	2347.7	2348.8	2354.3	2356.4	2348.8	2358.6	2355.3	2348.8	2354.3
25°	2509.9	2515.4	2511.0	2509.9	2513.2	2520.8	2519.8	2518.7	2526.3	2519.8	2523.0
27.5°	2675.4	2678.7	2680.9	2684.2	2686.3	2685.2	2689.6	2689.6	2694.0	2686.3	2689.6
30°	2839.8	2839.8	2844.2	2848.6	2848.6	2848.6	2857.3	2858.4	2851.8	2854.0	2846.4
32.5°	3015.2	3016.2	3020.6	3020.6	3029.4	3030.5	3040.4	3027.2	3040.4	3029.4	3031.6
35°	3221.2	3235.5	3237.6	3248.6	3257.4	3260.7	3260.7	3261.8	3273.8	3265.0	3268.3
37.5°	3341.8	3345.1	3353.8	3359.3	3359.3	3363.7	3367.0	3363.7	3367.0	3365.9	3369.2
40°	3484.2	3481.0	3490.8	3493.0	3488.6	3494.1	3493.0	3489.7	3498.5	3491.9	3496.3
42.5°	3657.4	3638.8	3637.7	3646.5	3637.7	3642.1	3641.0	3633.3	3644.3	3647.6	3644.3
45°	3842.6	3832.8	3813.1	3813.1	3804.3	3801.0	3802.1	3801.0	3802.1	3815.2	3819.6
47.5°	4144.1	4083.8	4049.8	4018.0	3991.7	3990.6	3978.6	3985.1	3993.9	4015.8	4035.5
50°	4649.3	4510.1	4424.6	4345.7	4288.7	4269.0	4246.0	4243.8	4251.5	4276.7	4310.6
52.5°	5550.2	5357.3	5175.4	5006.6	4859.8	4746.9	4691.0	4661.4	4650.4	4675.6	4708.5
55°	7198.7	6834.8	6578.3	6407.3	6042.4	5887.8	5689.4	5598.5	5509.7	5518.5	5574.4
57.5°	10015.4	9819.2	9604.4	9305.2	9081.6	8812.0	8316.6	8040.4	8052.5	8117.1	7915.5
60°	13706.8	13508.5	13419.7	13147.9	12992.2	12883.7	12620.7	12162.5	12000.3	11969.6	11599.2
62.5°	15108.6	15155.8	15225.9	15302.6	15298.3	15345.4	15115.2	14966.2	14778.7	14535.4	14169.4
65°	14742.6	14862.0	15004.5	15210.6	15445.1	15618.3	15764.1	15746.5	15571.2	15246.7	14859.8
67.5°	13503.0	13621.3	13725.5	14001.7	14386.4	14738.2	15049.5	15261.0	15143.7	14875.2	14423.6
70°	11639.7	11725.2	11791.0	12031.0	12453.0	12882.6	13289.2	13644.4	13608.2	13282.7	12922.1
72.5°	8433.9	8641.0	8752.8	8736.4	8997.2	9478.4	9535.4	9839.0	9923.4	9572.6	8998.3
75°	4109.0	4112.3	3982.9	3940.2	3953.3	4036.6	3877.7	3887.6	3832.8	3584.0	3379.0
77.5°	1435.8	1396.3	1302.1	1190.3	1030.3	880.1	727.8	662.0	640.1	575.4	530.5
80°	1237.4	1295.5	1276.9	1184.8	1016.0	810.0	605.0	448.3	382.5	359.5	337.6
82.5°	1405.1	1628.7	1771.2	1763.5	1532.2	1150.8	717.9	412.1	293.7	257.6	236.7
85°	783.7	842.8	859.3	782.6	649.9	443.9	247.7	174.3	148.0	134.8	121.7
87.5°	124.9	114.0	111.8	97.5	92.1	84.4	74.5	70.1	64.7	61.4	61.4
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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CATALOG NUMBER: VST-E06-LED-E-U-T2-7030

**CANDELA DISTRIBUTION (continued):**

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9
2.5°	1589.2	1588.1	1584.8	1581.6	1579.4	1578.3	1577.2	1575.0	1573.9	1572.8	1570.6
5°	1626.5	1624.3	1618.8	1613.3	1611.2	1607.9	1604.6	1602.4	1600.2	1599.1	1594.7
7.5°	1684.6	1682.4	1675.8	1671.4	1670.3	1661.6	1660.5	1657.2	1651.7	1650.6	1644.0
10°	1754.7	1753.6	1748.2	1744.9	1742.7	1738.3	1731.7	1726.2	1720.8	1720.8	1716.4
12.5°	1835.8	1831.5	1834.7	1827.1	1824.9	1820.5	1817.2	1816.1	1809.5	1804.0	1803.0
15°	1931.2	1925.7	1925.7	1923.5	1921.3	1916.9	1915.8	1916.9	1910.4	1912.6	1906.0
17.5°	2049.6	2051.8	2050.7	2050.7	2045.2	2045.2	2036.4	2047.4	2039.7	2045.2	2043.0
20°	2197.5	2198.6	2196.4	2199.7	2201.9	2200.8	2199.7	2198.6	2201.9	2206.3	2203.0
22.5°	2355.3	2355.3	2354.3	2366.3	2353.2	2363.0	2366.3	2359.7	2377.3	2375.1	2378.4
25°	2526.3	2526.3	2535.1	2545.0	2547.2	2539.5	2543.9	2538.4	2549.3	2558.1	2560.3
27.5°	2685.2	2699.5	2706.1	2699.5	2705.0	2717.0	2715.9	2715.9	2723.6	2721.4	2742.2
30°	2848.6	2857.3	2866.1	2861.7	2863.9	2879.2	2880.3	2881.4	2891.3	2905.6	2920.9
32.5°	3034.9	3043.6	3039.3	3053.5	3052.4	3071.0	3074.3	3077.6	3108.3	3102.8	3134.6
35°	3263.9	3272.7	3268.3	3283.7	3281.5	3288.1	3300.1	3313.3	3318.7	3350.5	3375.7
37.5°	3371.4	3371.4	3381.2	3398.8	3405.3	3416.3	3434.9	3451.4	3478.8	3512.7	3552.2
40°	3500.7	3504.0	3517.1	3535.8	3547.8	3573.0	3607.0	3630.0	3671.7	3708.9	3755.0
42.5°	3657.4	3671.7	3687.0	3712.2	3738.5	3778.0	3826.2	3855.8	3910.6	3958.8	4015.8
45°	3840.5	3854.7	3890.9	3936.9	3975.3	4019.1	4058.6	4128.7	4178.0	4228.4	4277.8
47.5°	4061.9	4103.5	4133.1	4187.9	4235.0	4293.1	4342.4	4408.2	4461.9	4523.3	4564.9
50°	4345.7	4397.2	4435.6	4506.8	4552.9	4617.5	4680.0	4729.3	4784.1	4844.4	4878.4
52.5°	4753.4	4806.0	4854.3	4943.1	5000.0	5043.9	5127.2	5188.6	5239.0	5282.8	5320.1
55°	5636.8	5621.5	5755.2	5927.3	5947.0	6105.9	6135.5	6187.0	6280.2	6293.3	6397.5
57.5°	8161.0	8082.1	8276.1	8528.1	8484.3	8404.3	8738.6	8759.4	8712.3	8838.3	8695.8
60°	11654.0	11515.9	11568.5	11637.5	11537.8	11490.7	11507.1	11554.2	11508.2	11457.8	11319.7
62.5°	13986.3	13773.7	13621.3	13493.1	13330.9	13213.6	13082.1	12919.9	12876.0	12691.9	12537.4
65°	14483.9	14152.9	13911.8	13669.6	13446.0	13238.8	13040.5	12901.3	12717.1	12499.0	12337.9
67.5°	13937.0	13527.1	13174.2	12822.3	12569.2	12264.5	12115.4	11888.5	11661.7	11411.8	11263.8
70°	12347.8	11920.3	11476.4	11132.3	10788.1	10411.1	10337.7	10069.1	9938.7	9597.9	9538.7
72.5°	8522.7	8237.7	8039.3	7614.1	7404.7	7211.8	7150.4	6901.6	6927.9	6554.2	6690.1
75°	3030.5	2989.9	2931.9	2691.8	2649.1	2574.6	2554.8	2537.3	2714.8	2468.2	2646.9
77.5°	520.6	517.3	487.7	473.5	500.9	483.3	487.7	479.0	530.5	538.1	526.1
80°	323.3	314.6	304.7	298.1	299.2	292.6	293.7	295.9	299.2	298.1	301.4
82.5°	221.4	213.7	209.3	205.0	211.5	213.7	219.2	224.7	233.5	238.9	245.5
85°	120.6	110.7	110.7	109.6	118.4	124.9	133.7	144.7	160.0	173.2	187.4
87.5°	61.4	59.2	60.3	62.5	70.1	75.6	86.6	96.4	109.6	123.9	137.0
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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CATALOG NUMBER: VST-E06-LED-E-U-T2-7030

**CANDELA DISTRIBUTION (continued):**

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9
2.5°	1569.5	1569.5	1568.4	1568.4	1567.3	1566.2	1565.1	1561.8	1549.8	1538.8	1531.1
5°	1593.6	1590.3	1589.2	1585.9	1584.8	1582.7	1579.4	1576.1	1554.2	1534.4	1520.2
7.5°	1642.9	1638.6	1636.4	1633.1	1629.8	1625.4	1621.0	1617.7	1591.4	1568.4	1550.9
10°	1707.6	1705.4	1704.3	1699.9	1699.9	1693.4	1692.3	1684.6	1656.1	1635.3	1619.9
12.5°	1797.5	1793.1	1792.0	1786.5	1788.7	1786.5	1784.3	1779.9	1759.1	1735.0	1714.2
15°	1909.3	1909.3	1903.8	1899.4	1900.5	1898.3	1902.7	1897.2	1884.1	1862.1	1828.2
17.5°	2044.1	2041.9	2044.1	2040.8	2043.0	2045.2	2039.7	2040.8	2034.2	2006.8	1956.4
20°	2200.8	2197.5	2210.7	2205.2	2217.2	2206.3	2208.5	2211.8	2211.8	2175.6	2107.6
22.5°	2380.6	2378.4	2378.4	2389.3	2393.7	2394.8	2399.2	2402.5	2411.2	2365.2	2256.7
25°	2560.3	2568.0	2569.1	2583.3	2589.9	2589.9	2593.2	2605.2	2631.5	2568.0	2427.7
27.5°	2743.3	2762.0	2766.4	2776.2	2786.1	2795.9	2803.6	2812.4	2855.1	2786.1	2603.0
30°	2926.4	2947.2	2962.5	2973.5	2985.6	3009.7	3014.1	3031.6	3102.8	3018.4	2769.6
32.5°	3141.2	3170.8	3190.5	3204.8	3223.4	3246.4	3259.6	3281.5	3350.5	3212.4	2891.3
35°	3397.7	3415.2	3443.7	3467.8	3478.8	3518.2	3539.0	3544.5	3597.1	3380.1	2981.2
37.5°	3575.2	3604.8	3654.1	3688.1	3707.8	3729.8	3764.8	3787.8	3838.3	3532.5	3026.1
40°	3801.0	3845.9	3885.4	3935.8	3967.6	3984.0	4019.1	4037.7	4044.3	3662.9	3011.9
42.5°	4076.1	4116.7	4169.3	4209.8	4233.9	4252.6	4281.1	4288.7	4203.2	3724.3	2935.1
45°	4334.8	4397.2	4442.2	4471.8	4489.3	4499.2	4516.7	4517.8	4334.8	3693.6	2803.6
47.5°	4613.1	4658.1	4699.7	4720.6	4718.4	4720.6	4714.0	4709.6	4400.5	3587.3	2634.8
50°	4921.1	4950.7	4968.3	4978.1	4983.6	4962.8	4933.2	4913.5	4406.0	3436.0	2463.9
52.5°	5334.3	5371.6	5368.3	5367.2	5323.4	5303.6	5224.7	5184.2	4374.2	3258.5	2271.0
55°	6381.0	6344.9	6273.6	6308.7	6130.0	6036.9	5914.1	5800.1	4415.9	3089.7	2047.4
57.5°	8752.8	8767.1	8564.3	8455.8	8154.4	7777.4	7473.8	7178.9	4790.7	2986.7	1755.8
60°	11227.6	11041.3	10783.7	10391.4	10003.4	9443.3	8903.0	8392.2	5164.4	2879.2	1410.6
62.5°	12308.3	12043.1	11654.0	11146.5	10537.1	9852.1	9179.2	8556.6	4983.6	2531.8	1025.9
65°	12089.1	11683.6	11253.9	10659.9	9919.0	9168.2	8382.4	7746.7	4169.3	1888.4	632.4
67.5°	10942.7	10598.5	10144.8	9440.0	8647.6	7866.1	7146.1	6433.6	3097.4	1177.1	354.0
70°	9236.2	8899.7	8439.4	7718.2	6926.8	6179.4	5416.5	4835.6	1973.9	567.7	255.4
72.5°	6407.3	6134.4	5808.9	5294.9	4601.1	3921.6	3405.3	2959.3	1093.8	301.4	233.5
75°	2602.0	2603.0	2543.9	2326.9	1966.3	1695.5	1445.7	1226.4	457.0	256.5	230.2
77.5°	589.7	599.5	655.4	621.4	560.1	523.9	469.1	414.3	278.4	264.1	232.4
80°	298.1	299.2	295.9	297.0	293.7	294.8	290.4	287.2	260.9	271.8	232.4
82.5°	248.8	254.3	253.2	253.2	254.3	254.3	254.3	253.2	270.7	286.1	224.7
85°	197.3	208.2	217.0	225.8	235.6	242.2	245.5	248.8	263.0	281.7	203.9
87.5°	149.1	162.2	173.2	181.9	197.3	197.3	208.2	215.9	215.9	220.3	107.4
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: P159339

CATALOG NUMBER: VST-E06-LED-E-U-T2-7030

**CANDELA DISTRIBUTION (continued):**

	145°	155°	165°	175°	180°
0°	1573.9	1573.9	1573.9	1573.9	1573.9
2.5°	1520.2	1515.8	1511.4	1509.2	1504.8
5°	1509.2	1500.5	1495.0	1495.0	1490.6
7.5°	1541.0	1537.7	1530.0	1525.7	1530.0
10°	1609.0	1603.5	1594.7	1588.1	1591.4
12.5°	1699.9	1678.0	1660.5	1652.8	1647.3
15°	1794.2	1750.3	1715.3	1695.5	1690.1
17.5°	1895.0	1818.3	1765.7	1736.1	1730.6
20°	1998.0	1902.7	1828.2	1789.8	1788.7
22.5°	2121.9	1994.8	1899.4	1849.0	1845.7
25°	2252.3	2077.0	1950.9	1886.3	1879.7
27.5°	2365.2	2142.7	1982.7	1906.0	1899.4
30°	2459.5	2192.0	2009.0	1920.2	1911.5
32.5°	2527.4	2220.5	2020.0	1924.6	1914.7
35°	2549.3	2209.6	1989.3	1885.2	1874.2
37.5°	2519.8	2138.3	1903.8	1788.7	1775.6
40°	2431.0	2013.4	1764.6	1646.2	1629.8
42.5°	2295.1	1859.9	1596.9	1484.0	1463.2
45°	2127.4	1686.8	1430.3	1304.3	1294.4
47.5°	1952.0	1504.8	1242.9	1128.9	1116.8
50°	1762.4	1294.4	1059.9	936.0	936.0
52.5°	1536.6	1089.4	847.2	754.1	746.4
55°	1276.9	858.2	675.1	603.9	594.0
57.5°	997.4	659.8	539.2	497.6	486.6
60°	733.2	495.4	434.0	411.0	406.6
62.5°	497.6	377.0	349.6	339.8	338.7
65°	336.5	293.7	286.1	282.8	283.9
67.5°	258.7	244.4	241.1	240.0	240.0
70°	224.7	215.9	212.6	213.7	212.6
72.5°	211.5	199.5	200.6	202.8	201.7
75°	207.1	191.8	196.2	197.3	192.9
77.5°	203.9	183.0	194.0	197.3	185.2
80°	197.3	175.4	201.7	202.8	181.9
82.5°	180.8	155.6	201.7	186.3	164.4
85°	153.4	118.4	228.0	162.2	121.7
87.5°	97.5	70.1	154.5	110.7	73.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)