

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: P165263

Luminaire Tested: **VST-F04-LED-E-U-SL3-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165263
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
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-SL3-HSS-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (28) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5804.5 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

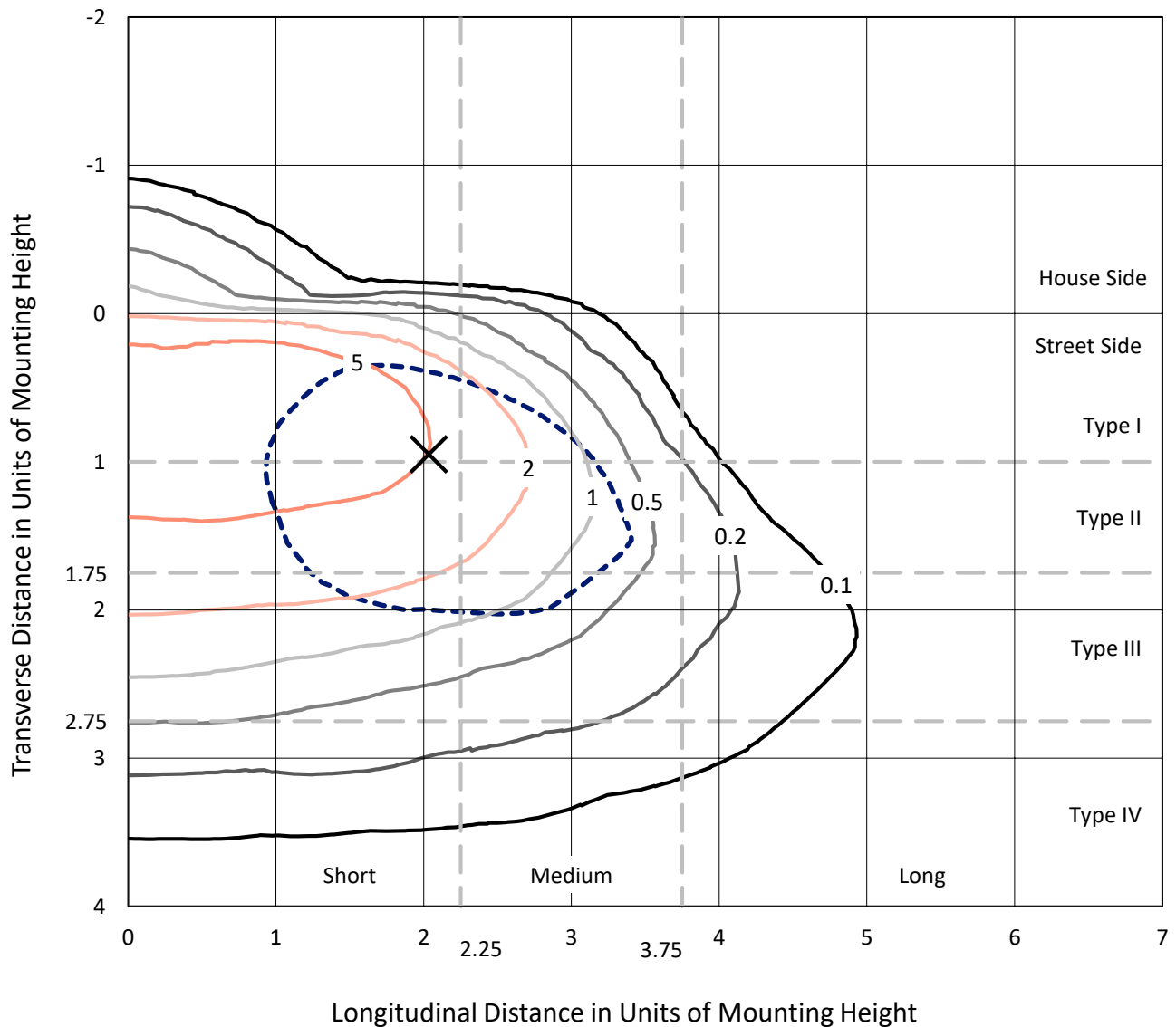
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

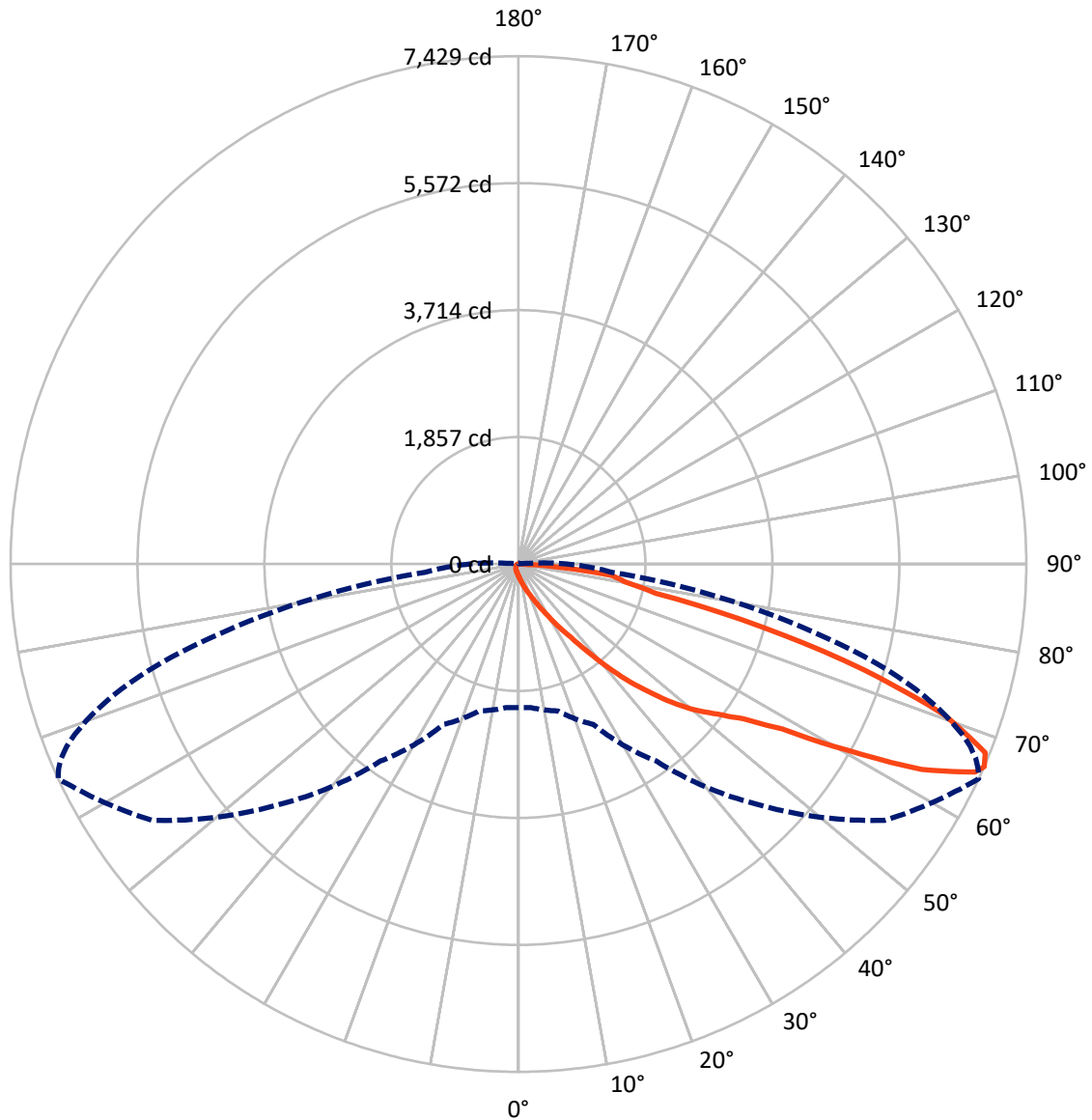
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 125.8 | 0.0 | 125.8 |
| | % Fixture | 2.2 | 0.0 | 2.2 |
| Street Side | Lumens | 5678.7 | 0.0 | 5678.7 |
| | % Fixture | 97.8 | 0.0 | 97.8 |
| Total | Lumens | 5804.5 | 0.0 | 5804.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 19.6 | 0.3 |
| 10°-20° | 83.2 | 1.4 |
| 20°-30° | 179.4 | 3.1 |
| 30°-40° | 383.0 | 6.6 |
| 40°-50° | 847.1 | 14.6 |
| 50°-60° | 1435.6 | 24.7 |
| 60°-70° | 1915.6 | 33.0 |
| 70°-80° | 843.8 | 14.5 |
| 80°-90° | 97.2 | 1.7 |
| 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° | 5804.5 | 100.0 |
| 0°-180° | 5804.5 | 100.0 |



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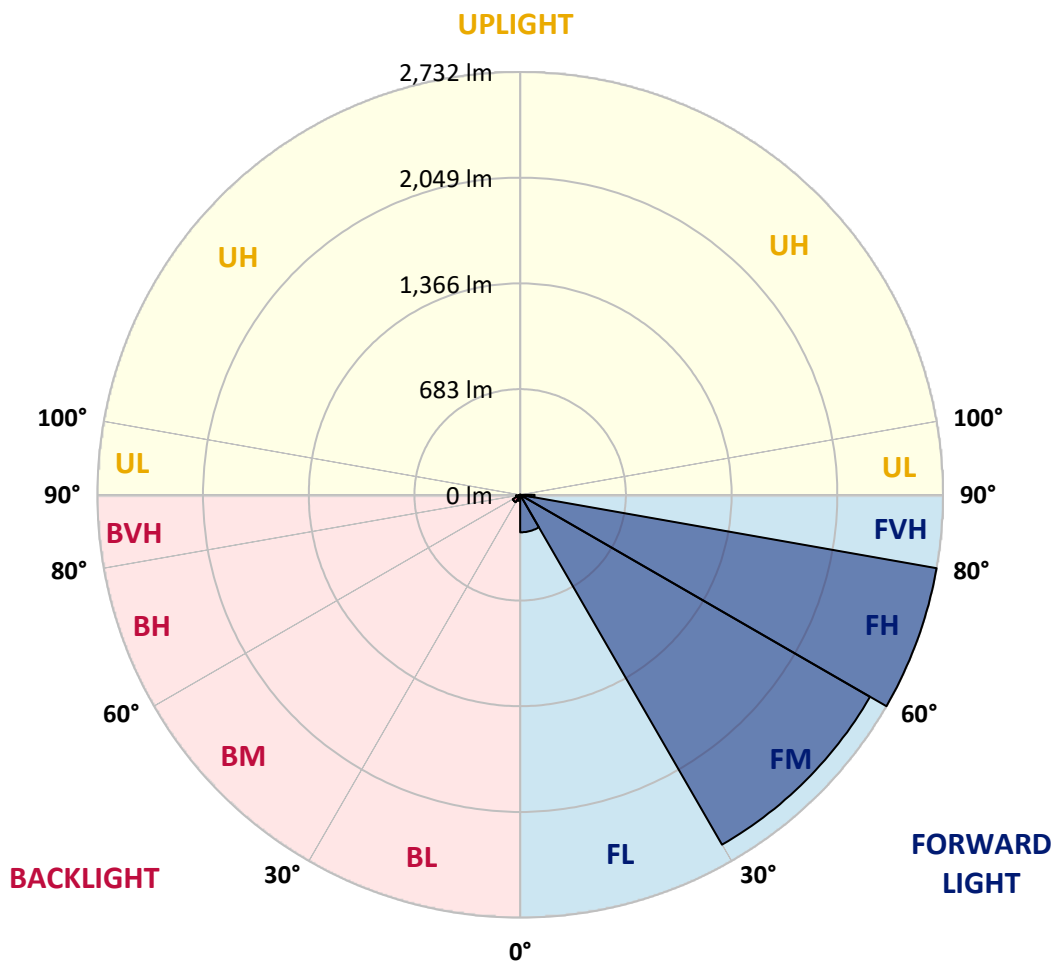
CATALOG NUMBER: VST-F04-LED-E-U-SL3-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 242.5 | 4.2 | | | |
| FM | (30°-60°) | 2610.5 | 45.0 | | | |
| FH | (60°-80°) | 2732.5 | 47.1 | | | G2/5000 |
| FVH | (80°-90°) | 93.3 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 39.7 | 0.7 | B0/110 | | |
| BM | (30°-60°) | 55.2 | 1.0 | B0/220 | | |
| BH | (60°-80°) | 27.0 | 0.5 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 3.9 | 0.1 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 67° | 68° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 |
| 2.5° | 221.0 | 219.8 | 215.4 | 215.4 | 208.7 | 204.2 | 198.6 | 193.1 | 193.1 | 191.9 | 190.8 |
| 5° | 292.3 | 285.7 | 284.5 | 272.3 | 262.3 | 247.8 | 234.3 | 216.5 | 214.3 | 212.0 | 210.9 |
| 7.5° | 371.6 | 370.5 | 360.4 | 345.9 | 325.9 | 299.1 | 272.3 | 243.3 | 238.8 | 236.6 | 232.1 |
| 10° | 474.3 | 468.7 | 455.3 | 430.7 | 400.6 | 364.9 | 321.4 | 275.6 | 270.0 | 265.6 | 263.3 |
| 12.5° | 572.5 | 562.5 | 554.6 | 523.4 | 485.4 | 433.0 | 380.5 | 314.7 | 310.2 | 304.7 | 295.7 |
| 15° | 664.0 | 655.0 | 641.7 | 614.9 | 572.5 | 506.6 | 445.3 | 364.9 | 353.7 | 345.9 | 339.2 |
| 17.5° | 735.4 | 729.8 | 714.2 | 684.1 | 638.3 | 580.3 | 506.6 | 416.2 | 407.3 | 397.2 | 385.0 |
| 20° | 803.5 | 795.6 | 771.1 | 729.8 | 680.7 | 636.1 | 579.2 | 483.2 | 470.9 | 458.6 | 445.3 |
| 22.5° | 868.2 | 860.4 | 820.2 | 752.1 | 699.7 | 680.7 | 660.7 | 559.1 | 540.1 | 530.1 | 516.6 |
| 25° | 958.6 | 941.9 | 879.3 | 771.1 | 700.8 | 715.3 | 749.9 | 657.3 | 639.4 | 624.9 | 603.7 |
| 27.5° | 1080.3 | 1057.9 | 959.7 | 799.0 | 705.2 | 753.3 | 852.6 | 776.7 | 757.7 | 741.0 | 717.6 |
| 30° | 1217.5 | 1203.0 | 1085.8 | 866.0 | 737.6 | 809.1 | 967.5 | 928.5 | 906.2 | 886.0 | 858.2 |
| 32.5° | 1355.9 | 1335.8 | 1219.7 | 993.2 | 824.6 | 917.3 | 1111.5 | 1104.8 | 1075.8 | 1056.8 | 1026.7 |
| 35° | 1477.5 | 1467.5 | 1381.5 | 1201.8 | 1023.3 | 1107.0 | 1303.4 | 1311.2 | 1285.6 | 1265.5 | 1232.0 |
| 37.5° | 1560.1 | 1560.1 | 1543.4 | 1426.1 | 1339.1 | 1401.6 | 1585.7 | 1586.9 | 1561.2 | 1515.5 | 1498.7 |
| 40° | 1602.5 | 1614.7 | 1675.0 | 1697.3 | 1692.9 | 1773.2 | 1956.3 | 1936.1 | 1914.9 | 1891.5 | 1835.7 |
| 42.5° | 1689.5 | 1700.7 | 1829.0 | 1983.0 | 2083.5 | 2189.5 | 2315.6 | 2308.9 | 2283.2 | 2240.8 | 2189.5 |
| 45° | 1836.9 | 1851.4 | 2004.2 | 2248.6 | 2455.0 | 2605.7 | 2686.0 | 2654.8 | 2629.1 | 2589.0 | 2562.2 |
| 47.5° | 2024.3 | 2052.2 | 2225.2 | 2527.6 | 2776.4 | 3025.3 | 3109.0 | 3026.4 | 3004.1 | 2972.8 | 2929.3 |
| 50° | 2224.1 | 2250.8 | 2435.0 | 2780.9 | 3062.1 | 3359.0 | 3498.5 | 3359.0 | 3326.6 | 3316.5 | 3267.5 |
| 52.5° | 2397.0 | 2419.4 | 2596.8 | 2976.2 | 3280.8 | 3629.0 | 3832.1 | 3648.0 | 3624.5 | 3591.1 | 3555.3 |
| 55° | 2499.7 | 2517.6 | 2683.8 | 3069.9 | 3429.3 | 3872.3 | 4154.7 | 3992.8 | 3958.2 | 3944.9 | 3893.5 |
| 57.5° | 2534.3 | 2552.1 | 2701.7 | 3082.2 | 3509.6 | 4094.4 | 4546.4 | 4551.9 | 4510.6 | 4462.7 | 4447.0 |
| 60° | 2534.3 | 2554.4 | 2680.5 | 3052.1 | 3587.7 | 4330.9 | 5068.6 | 5533.9 | 5444.7 | 5435.7 | 5378.8 |
| 62.5° | 2429.4 | 2448.4 | 2575.6 | 2959.5 | 3692.6 | 4650.1 | 5796.2 | 6617.5 | 6591.9 | 6533.8 | 6440.1 |
| 65° | 2201.7 | 2212.9 | 2337.9 | 2722.9 | 3652.5 | 4943.6 | 6426.7 | 7338.4 | 7297.1 | 7183.3 | 7062.8 |
| 66° | 2099.1 | 2108.0 | 2225.2 | 2587.8 | 3520.8 | 4983.8 | 6538.3 | 7428.8 | 7360.7 | 7264.7 | 7128.6 |
| 67.5° | 1950.6 | 1966.3 | 2048.8 | 2336.8 | 3205.0 | 4844.3 | 6468.0 | 7365.2 | 7306.1 | 7190.0 | 7053.8 |
| 70° | 1302.3 | 1291.1 | 1582.4 | 1793.3 | 2441.7 | 3947.1 | 5802.9 | 6613.0 | 6614.2 | 6559.5 | 6504.8 |
| 72.5° | 618.2 | 624.9 | 709.7 | 1103.6 | 1598.0 | 2637.0 | 4618.9 | 5278.4 | 5354.3 | 5256.1 | 5188.0 |
| 75° | 444.1 | 454.2 | 505.5 | 675.2 | 953.0 | 1582.4 | 2994.0 | 3691.5 | 3693.7 | 3519.6 | 3364.6 |
| 77.5° | 129.4 | 135.1 | 189.7 | 416.2 | 714.2 | 1067.9 | 1719.6 | 2052.2 | 2004.2 | 1879.2 | 1762.1 |
| 80° | 53.5 | 53.5 | 55.8 | 132.8 | 286.8 | 725.4 | 1203.0 | 1580.2 | 1574.6 | 1526.6 | 1457.4 |
| 82.5° | 20.1 | 21.2 | 26.8 | 54.7 | 68.1 | 178.6 | 802.4 | 1371.5 | 1368.1 | 1300.1 | 1251.0 |
| 85° | 2.2 | 2.2 | 6.7 | 23.4 | 25.7 | 33.5 | 160.7 | 604.8 | 601.5 | 604.8 | 530.1 |
| 87.5° | 0.0 | 0.0 | 1.1 | 2.2 | 3.3 | 4.5 | 6.7 | 23.4 | 25.7 | 24.5 | 22.3 |
| 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):

| | 69° | 70° | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 |
| 2.5° | 190.8 | 188.6 | 188.6 | 187.5 | 187.5 | 187.5 | 186.4 | 185.3 | 185.3 | 184.1 | 183.0 |
| 5° | 208.7 | 206.4 | 205.3 | 203.1 | 202.0 | 200.9 | 198.6 | 197.5 | 195.3 | 194.1 | 193.1 |
| 7.5° | 229.9 | 225.4 | 224.3 | 221.0 | 217.6 | 215.4 | 213.1 | 209.8 | 207.6 | 203.1 | 202.0 |
| 10° | 256.7 | 251.1 | 246.6 | 242.1 | 238.8 | 233.3 | 229.9 | 225.4 | 221.0 | 217.6 | 214.3 |
| 12.5° | 291.3 | 283.5 | 276.8 | 272.3 | 264.5 | 257.8 | 251.1 | 247.8 | 238.8 | 234.3 | 228.8 |
| 15° | 329.2 | 320.3 | 312.5 | 303.5 | 298.0 | 286.8 | 277.8 | 267.8 | 263.3 | 255.5 | 246.6 |
| 17.5° | 378.3 | 363.8 | 351.5 | 342.6 | 331.4 | 320.3 | 310.2 | 300.2 | 286.8 | 277.8 | 266.7 |
| 20° | 430.7 | 418.5 | 401.7 | 386.1 | 372.7 | 359.4 | 344.8 | 331.4 | 319.2 | 304.7 | 291.3 |
| 22.5° | 497.7 | 479.9 | 459.8 | 444.1 | 426.3 | 411.8 | 391.7 | 373.9 | 353.7 | 334.8 | 319.2 |
| 25° | 582.5 | 559.1 | 540.1 | 517.8 | 496.6 | 474.3 | 449.7 | 427.4 | 401.7 | 383.9 | 357.1 |
| 27.5° | 687.4 | 665.1 | 639.4 | 610.4 | 589.2 | 555.7 | 523.4 | 495.5 | 465.3 | 437.4 | 407.3 |
| 30° | 821.3 | 789.0 | 762.2 | 734.3 | 691.9 | 659.5 | 621.6 | 583.7 | 542.3 | 514.5 | 468.7 |
| 32.5° | 982.0 | 947.4 | 907.3 | 867.1 | 828.0 | 782.3 | 735.4 | 688.5 | 642.8 | 591.5 | 544.6 |
| 35° | 1178.5 | 1137.1 | 1091.4 | 1047.9 | 987.6 | 938.5 | 879.3 | 814.6 | 763.3 | 704.2 | 645.0 |
| 37.5° | 1438.5 | 1370.4 | 1330.2 | 1284.4 | 1203.0 | 1136.0 | 1070.2 | 1005.4 | 915.0 | 852.6 | 768.9 |
| 40° | 1764.3 | 1724.1 | 1658.3 | 1584.6 | 1511.0 | 1422.8 | 1333.6 | 1247.6 | 1142.7 | 1055.7 | 958.6 |
| 42.5° | 2147.0 | 2087.9 | 2021.0 | 1914.9 | 1840.2 | 1736.4 | 1634.9 | 1521.0 | 1392.7 | 1281.1 | 1167.3 |
| 45° | 2506.4 | 2436.1 | 2384.8 | 2278.8 | 2200.6 | 2077.8 | 1955.1 | 1834.6 | 1686.2 | 1542.2 | 1410.6 |
| 47.5° | 2894.8 | 2836.7 | 2751.9 | 2666.0 | 2586.8 | 2448.4 | 2315.6 | 2169.4 | 2013.1 | 1842.4 | 1671.7 |
| 50° | 3236.2 | 3190.5 | 3132.4 | 3028.7 | 2940.5 | 2824.4 | 2668.2 | 2508.6 | 2311.1 | 2141.5 | 1947.3 |
| 52.5° | 3526.3 | 3490.6 | 3409.2 | 3335.5 | 3256.3 | 3146.9 | 3007.5 | 2854.6 | 2641.5 | 2455.0 | 2234.1 |
| 55° | 3869.0 | 3843.3 | 3771.9 | 3726.1 | 3655.8 | 3550.9 | 3420.4 | 3278.7 | 3053.2 | 2850.1 | 2600.1 |
| 57.5° | 4430.3 | 4410.2 | 4347.7 | 4328.7 | 4259.5 | 4168.0 | 4007.3 | 3855.5 | 3592.2 | 3340.0 | 3054.4 |
| 60° | 5359.8 | 5319.7 | 5228.2 | 5181.3 | 5035.1 | 4912.4 | 4703.7 | 4495.0 | 4177.0 | 3855.5 | 3511.8 |
| 62.5° | 6355.2 | 6242.5 | 6068.4 | 5919.0 | 5711.4 | 5498.2 | 5219.2 | 4900.1 | 4527.4 | 4145.7 | 3750.6 |
| 65° | 6892.0 | 6700.1 | 6480.3 | 6242.5 | 5973.6 | 5660.0 | 5308.5 | 4925.8 | 4525.1 | 4122.3 | 3704.9 |
| 66° | 6953.4 | 6736.9 | 6503.7 | 6239.2 | 5940.2 | 5606.5 | 5249.4 | 4847.6 | 4431.4 | 4038.6 | 3621.2 |
| 67.5° | 6876.4 | 6649.9 | 6403.3 | 6109.8 | 5786.1 | 5440.2 | 5065.2 | 4647.9 | 4247.2 | 3848.8 | 3442.7 |
| 70° | 6337.4 | 6112.0 | 5892.1 | 5583.0 | 5238.2 | 4890.1 | 4535.2 | 4068.7 | 3689.3 | 3323.2 | 2961.7 |
| 72.5° | 5060.8 | 4907.9 | 4690.3 | 4425.8 | 4089.9 | 3681.5 | 3385.7 | 2968.4 | 2639.2 | 2284.3 | 2004.2 |
| 75° | 3162.6 | 2947.2 | 2678.2 | 2341.2 | 2084.6 | 1753.1 | 1580.2 | 1263.2 | 1075.8 | 911.7 | 753.3 |
| 77.5° | 1617.0 | 1455.2 | 1266.6 | 1076.9 | 895.0 | 714.2 | 552.4 | 390.6 | 263.3 | 183.0 | 136.1 |
| 80° | 1335.8 | 1193.0 | 1036.7 | 863.7 | 703.1 | 545.7 | 392.8 | 267.8 | 170.8 | 111.6 | 87.0 |
| 82.5° | 1103.6 | 983.1 | 843.6 | 682.9 | 543.5 | 428.6 | 298.0 | 194.1 | 120.5 | 78.1 | 61.4 |
| 85° | 469.8 | 426.3 | 329.2 | 261.1 | 196.4 | 145.1 | 101.6 | 68.1 | 48.0 | 39.0 | 35.7 |
| 87.5° | 20.1 | 22.3 | 21.2 | 16.7 | 12.3 | 12.3 | 11.2 | 8.9 | 8.9 | 8.9 | 8.9 |
| 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):

| | 80° | 81° | 82° | 83° | 84° | 85° | 95° | 105° | 115° | 125° | 135° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 |
| 2.5° | 183.0 | 181.9 | 180.8 | 180.8 | 179.6 | 178.6 | 171.9 | 166.3 | 159.6 | 155.1 | 150.6 |
| 5° | 190.8 | 189.7 | 187.5 | 186.4 | 184.1 | 183.0 | 168.5 | 156.2 | 146.2 | 138.4 | 132.8 |
| 7.5° | 198.6 | 197.5 | 194.1 | 190.8 | 189.7 | 187.5 | 164.1 | 148.4 | 135.1 | 126.1 | 120.5 |
| 10° | 208.7 | 205.3 | 202.0 | 197.5 | 194.1 | 190.8 | 159.6 | 139.5 | 125.0 | 117.2 | 111.6 |
| 12.5° | 223.2 | 217.6 | 212.0 | 206.4 | 202.0 | 196.4 | 157.4 | 131.7 | 117.2 | 108.2 | 102.7 |
| 15° | 240.0 | 232.1 | 225.4 | 218.7 | 210.9 | 205.3 | 152.9 | 125.0 | 110.5 | 101.6 | 94.9 |
| 17.5° | 255.5 | 246.6 | 236.6 | 226.5 | 218.7 | 210.9 | 148.4 | 118.3 | 103.7 | 94.9 | 88.2 |
| 20° | 277.8 | 264.5 | 252.2 | 240.0 | 228.8 | 218.7 | 141.7 | 111.6 | 98.2 | 88.2 | 81.5 |
| 22.5° | 302.4 | 286.8 | 271.2 | 254.5 | 240.0 | 226.5 | 136.1 | 106.0 | 92.6 | 82.6 | 74.7 |
| 25° | 333.7 | 314.7 | 293.5 | 272.3 | 255.5 | 237.7 | 130.6 | 100.4 | 87.0 | 77.0 | 69.2 |
| 27.5° | 377.2 | 350.4 | 327.0 | 300.2 | 274.5 | 254.5 | 126.1 | 96.0 | 81.5 | 71.4 | 63.6 |
| 30° | 436.3 | 397.2 | 360.4 | 331.4 | 301.3 | 272.3 | 121.6 | 90.4 | 77.0 | 65.9 | 56.9 |
| 32.5° | 502.1 | 456.4 | 414.0 | 370.5 | 332.5 | 299.1 | 117.2 | 85.9 | 71.4 | 60.2 | 52.5 |
| 35° | 583.7 | 525.6 | 468.7 | 418.5 | 372.7 | 328.1 | 112.7 | 81.5 | 67.0 | 54.7 | 46.9 |
| 37.5° | 700.8 | 628.3 | 553.5 | 488.8 | 429.6 | 370.5 | 109.4 | 77.0 | 61.4 | 49.1 | 41.3 |
| 40° | 861.5 | 767.8 | 676.2 | 588.1 | 511.1 | 437.4 | 104.9 | 72.5 | 56.9 | 44.7 | 36.8 |
| 42.5° | 1035.6 | 921.8 | 801.3 | 701.9 | 595.9 | 503.3 | 100.4 | 68.1 | 52.5 | 40.2 | 32.4 |
| 45° | 1252.1 | 1110.3 | 964.2 | 829.1 | 699.7 | 580.3 | 96.0 | 63.6 | 46.9 | 35.7 | 27.9 |
| 47.5° | 1488.7 | 1307.9 | 1142.7 | 973.1 | 819.1 | 676.2 | 90.4 | 60.2 | 42.4 | 31.2 | 24.5 |
| 50° | 1732.0 | 1541.1 | 1332.4 | 1139.4 | 956.4 | 772.3 | 84.8 | 54.7 | 37.9 | 27.9 | 20.1 |
| 52.5° | 1994.2 | 1768.8 | 1555.6 | 1315.7 | 1102.6 | 898.3 | 79.2 | 50.2 | 34.6 | 24.5 | 16.7 |
| 55° | 2327.8 | 2075.7 | 1825.7 | 1556.7 | 1300.1 | 1044.5 | 73.7 | 44.7 | 30.2 | 21.2 | 13.4 |
| 57.5° | 2747.4 | 2448.4 | 2141.5 | 1838.0 | 1526.6 | 1236.5 | 69.2 | 39.0 | 25.7 | 17.8 | 11.2 |
| 60° | 3143.6 | 2794.3 | 2422.7 | 2073.4 | 1721.9 | 1383.8 | 62.5 | 34.6 | 22.3 | 14.5 | 11.2 |
| 62.5° | 3348.9 | 2950.5 | 2549.9 | 2164.9 | 1790.0 | 1436.2 | 55.8 | 29.0 | 19.0 | 12.3 | 10.0 |
| 65° | 3298.7 | 2892.5 | 2504.2 | 2115.8 | 1748.7 | 1402.8 | 49.1 | 25.7 | 16.7 | 11.2 | 10.0 |
| 66° | 3226.2 | 2824.4 | 2433.9 | 2064.5 | 1714.1 | 1367.0 | 45.7 | 24.5 | 15.7 | 11.2 | 8.9 |
| 67.5° | 3067.7 | 2679.3 | 2306.6 | 1962.9 | 1619.2 | 1298.9 | 41.3 | 22.3 | 14.5 | 10.0 | 8.9 |
| 70° | 2620.2 | 2267.6 | 1969.6 | 1663.9 | 1383.8 | 1094.8 | 33.5 | 19.0 | 12.3 | 8.9 | 8.9 |
| 72.5° | 1734.1 | 1494.2 | 1295.6 | 1114.8 | 931.8 | 723.1 | 27.9 | 15.7 | 10.0 | 8.9 | 7.8 |
| 75° | 653.9 | 591.5 | 507.8 | 456.4 | 398.4 | 349.3 | 22.3 | 10.0 | 7.8 | 7.8 | 7.8 |
| 77.5° | 116.1 | 107.1 | 94.9 | 87.0 | 80.4 | 73.7 | 17.8 | 6.7 | 6.7 | 7.8 | 7.8 |
| 80° | 78.1 | 72.5 | 65.9 | 60.2 | 55.8 | 50.2 | 12.3 | 5.6 | 6.7 | 6.7 | 7.8 |
| 82.5° | 55.8 | 52.5 | 49.1 | 44.7 | 41.3 | 36.8 | 7.8 | 5.6 | 6.7 | 6.7 | 6.7 |
| 85° | 33.5 | 31.2 | 29.0 | 26.8 | 23.4 | 22.3 | 5.6 | 5.6 | 5.6 | 6.7 | 6.7 |
| 87.5° | 8.9 | 7.8 | 8.9 | 8.9 | 6.7 | 7.8 | 4.5 | 4.5 | 4.5 | 5.6 | 5.6 |
| 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-F04-LED-E-U-SL3-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 |
| 2.5° | 148.4 | 148.4 | 146.2 | 149.6 | 149.6 |
| 5° | 128.3 | 128.3 | 127.2 | 128.3 | 128.3 |
| 7.5° | 117.2 | 116.1 | 116.1 | 116.1 | 117.2 |
| 10° | 107.1 | 106.0 | 106.0 | 106.0 | 106.0 |
| 12.5° | 98.2 | 97.1 | 96.0 | 97.1 | 97.1 |
| 15° | 90.4 | 88.2 | 88.2 | 88.2 | 88.2 |
| 17.5° | 83.7 | 81.5 | 80.4 | 80.4 | 80.4 |
| 20° | 77.0 | 73.7 | 73.7 | 73.7 | 73.7 |
| 22.5° | 70.3 | 67.0 | 67.0 | 67.0 | 67.0 |
| 25° | 63.6 | 60.2 | 60.2 | 60.2 | 60.2 |
| 27.5° | 58.0 | 54.7 | 54.7 | 54.7 | 54.7 |
| 30° | 51.4 | 49.1 | 49.1 | 50.2 | 49.1 |
| 32.5° | 46.9 | 43.5 | 43.5 | 44.7 | 44.7 |
| 35° | 41.3 | 39.0 | 39.0 | 39.0 | 39.0 |
| 37.5° | 35.7 | 33.5 | 33.5 | 33.5 | 33.5 |
| 40° | 31.2 | 29.0 | 27.9 | 29.0 | 29.0 |
| 42.5° | 26.8 | 24.5 | 23.4 | 23.4 | 23.4 |
| 45° | 23.4 | 20.1 | 19.0 | 20.1 | 20.1 |
| 47.5° | 19.0 | 16.7 | 16.7 | 17.8 | 17.8 |
| 50° | 14.5 | 14.5 | 15.7 | 17.8 | 17.8 |
| 52.5° | 13.4 | 13.4 | 15.7 | 17.8 | 17.8 |
| 55° | 12.3 | 13.4 | 15.7 | 16.7 | 17.8 |
| 57.5° | 11.2 | 13.4 | 15.7 | 16.7 | 16.7 |
| 60° | 11.2 | 12.3 | 14.5 | 16.7 | 16.7 |
| 62.5° | 10.0 | 11.2 | 13.4 | 15.7 | 15.7 |
| 65° | 10.0 | 11.2 | 13.4 | 15.7 | 15.7 |
| 66° | 10.0 | 11.2 | 13.4 | 15.7 | 15.7 |
| 67.5° | 10.0 | 11.2 | 13.4 | 15.7 | 15.7 |
| 70° | 10.0 | 11.2 | 13.4 | 14.5 | 14.5 |
| 72.5° | 8.9 | 10.0 | 12.3 | 14.5 | 14.5 |
| 75° | 8.9 | 10.0 | 12.3 | 14.5 | 14.5 |
| 77.5° | 8.9 | 10.0 | 12.3 | 14.5 | 14.5 |
| 80° | 8.9 | 10.0 | 12.3 | 13.4 | 14.5 |
| 82.5° | 7.8 | 10.0 | 11.2 | 13.4 | 13.4 |
| 85° | 7.8 | 8.9 | 11.2 | 12.3 | 13.4 |
| 87.5° | 6.7 | 7.8 | 8.9 | 11.2 | 11.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)