

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: P561158

Luminaire Tested: **SDL-PA1-80-827-U-T3-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561158  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-80-827-U-T3-A  
Description: Springdale  
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6422 lumens  
Efficiency: N/A  
Efficacy: 78.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U3 - G3

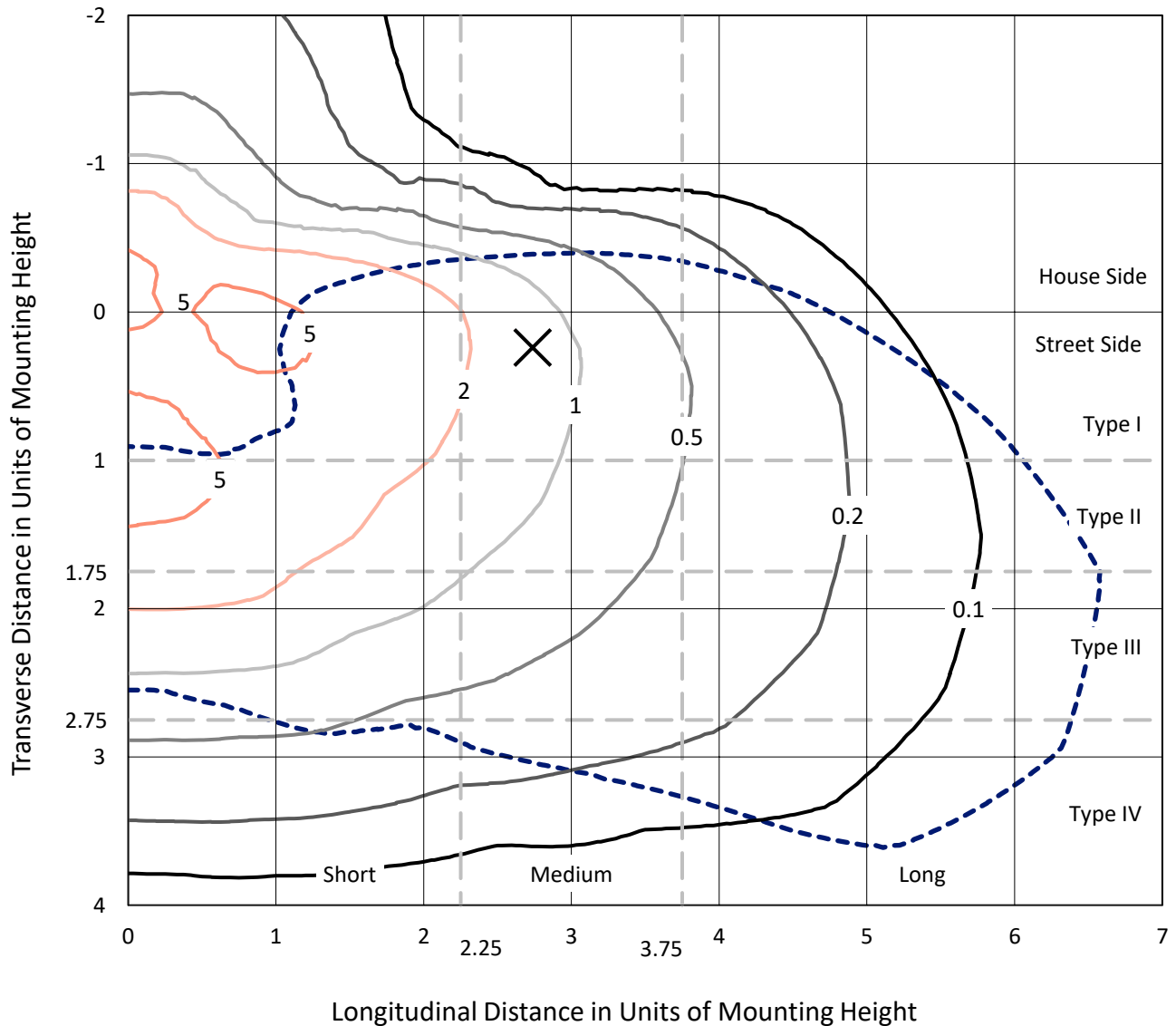
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P561158  
 CATALOG NUMBER: SDL-PA1-80-827-U-T3-A

### Iso-Footcandle Lines of Horizontal Illumination

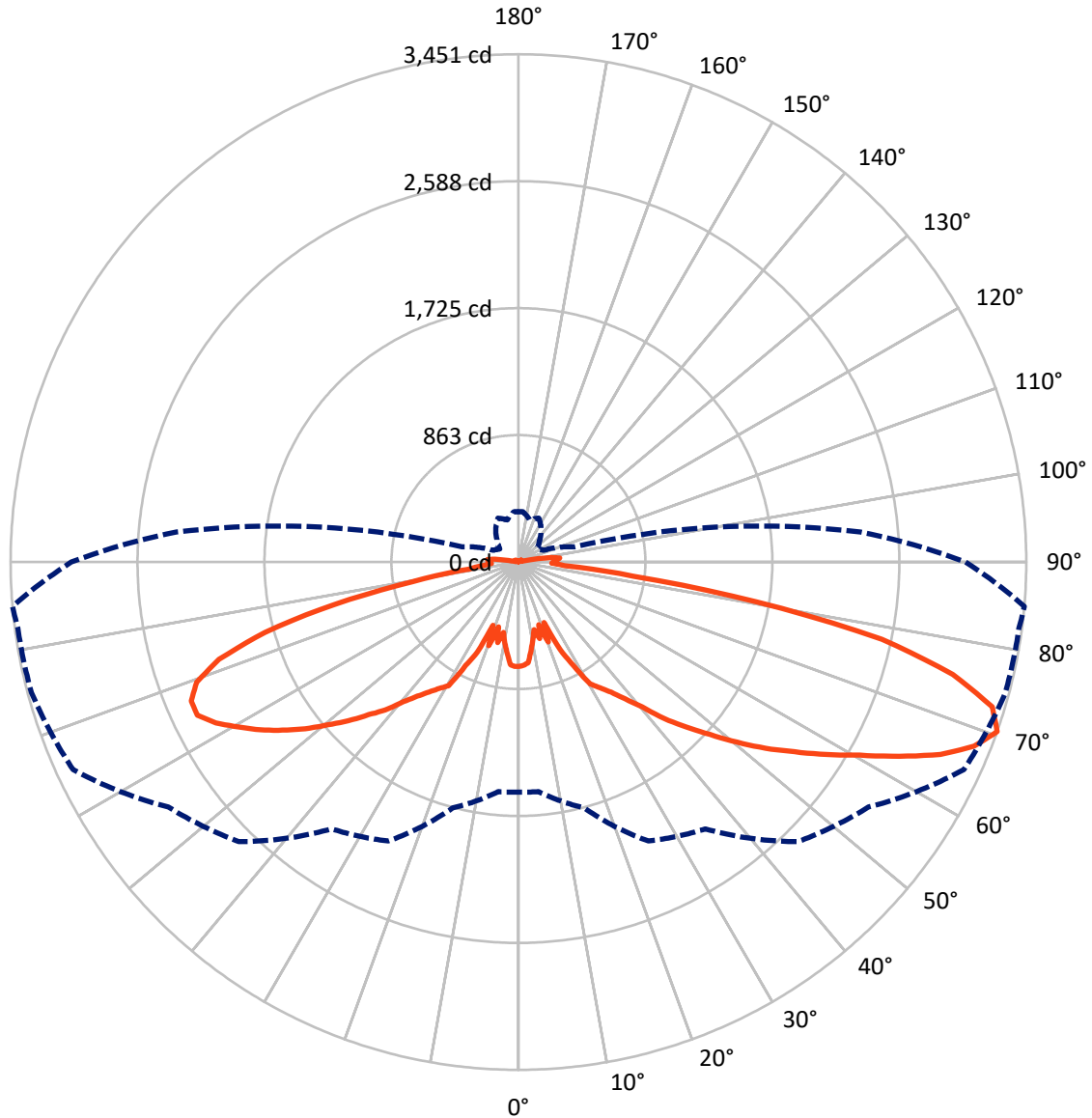
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P561158  
CATALOG NUMBER: SDL-PA1-80-827-U-T3-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P561158

CATALOG NUMBER: SDL-PA1-80-827-U-T3-A

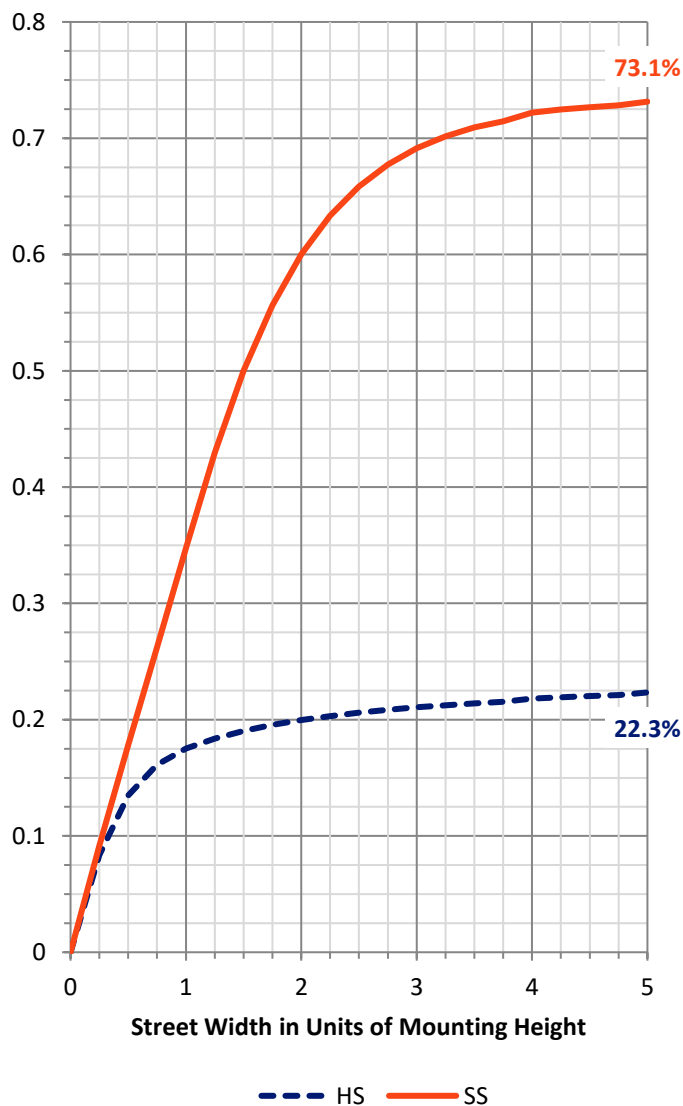
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1509.9   | 97.3   | 1607.1 |
|                    | % Fixture | 23.5     | 1.5    | 25.0   |
| <b>Street Side</b> | Lumens    | 4732.7   | 82.2   | 4814.9 |
|                    | % Fixture | 73.7     | 1.3    | 75.0   |
| <b>Total</b>       | Lumens    | 6242.5   | 179.5  | 6422.0 |
|                    | % Fixture | 97.2     | 2.8    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 57.9   | 0.9       |
| 10°-20°   | 141.7  | 2.2       |
| 20°-30°   | 258.1  | 4.0       |
| 30°-40°   | 487.9  | 7.6       |
| 40°-50°   | 815.4  | 12.7      |
| 50°-60°   | 1272.6 | 19.8      |
| 60°-70°   | 1578.2 | 24.6      |
| 70°-80°   | 1289.4 | 20.1      |
| 80°-90°   | 341.3  | 5.3       |
| 90°-100°  | 129.6  | 2.0       |
| 100°-110° | 27.6   | 0.4       |
| 110°-120° | 9.0    | 0.1       |
| 120°-130° | 6.9    | 0.1       |
| 130°-140° | 3.3    | 0.1       |
| 140°-150° | 1.6    | 0.0       |
| 150°-160° | 1.4    | 0.0       |
| 160°-170° | 0.1    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 6242.5 | 97.2      |
| 0°-180°   | 6422.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P561158

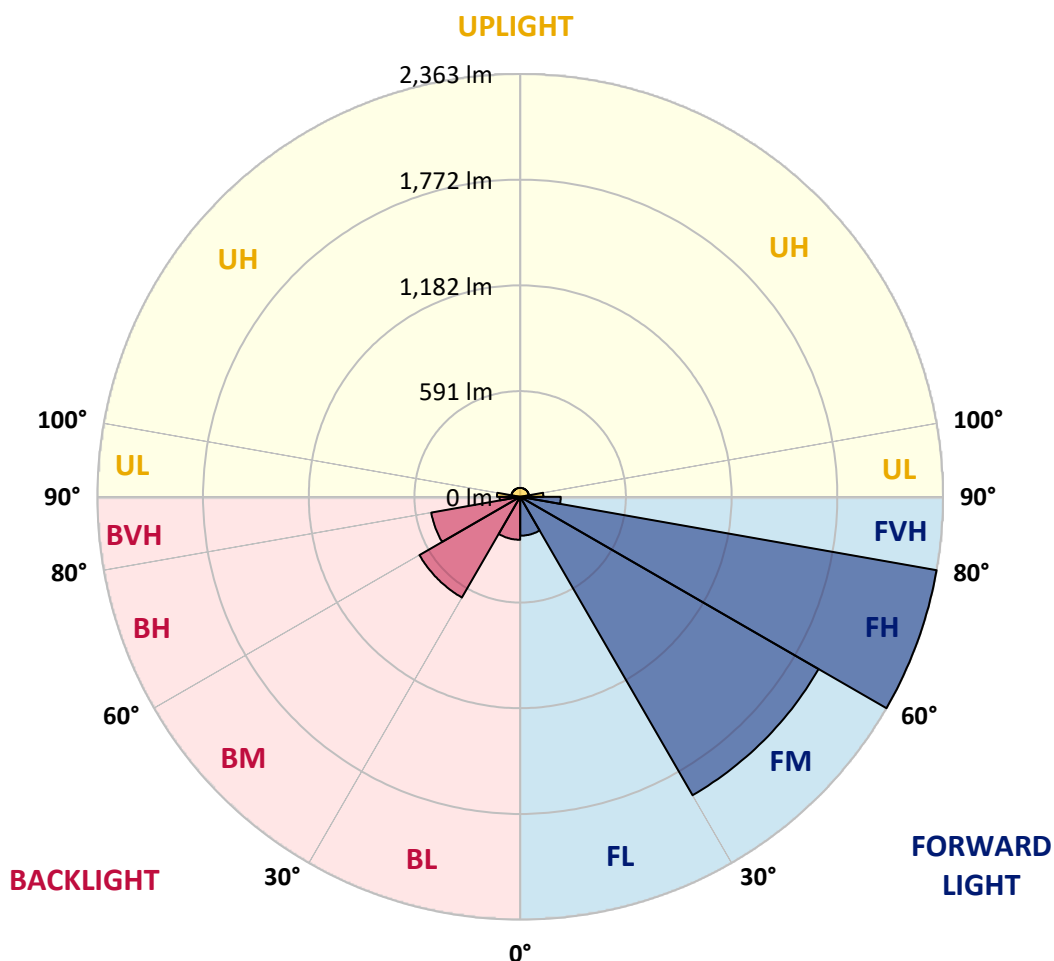
CATALOG NUMBER: SDL-PA1-80-827-U-T3-A

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|----------------|--------|-----------|-------------------------|--------|---------|
|                |        |           | B                       | U      | G       |
| FL (0°-30°)    | 217.5  | 3.4       |                         |        |         |
| FM (30°-60°)   | 1925.6 | 30.0      |                         |        |         |
| FH (60°-80°)   | 2363.1 | 36.8      |                         |        | G2/5000 |
| FVH (80°-90°)  | 226.4  | 3.5       |                         |        | G3/500  |
| BL (0°-30°)    | 240.1  | 3.7       | B1/500                  |        |         |
| BM (30°-60°)   | 650.4  | 10.1      | B1/1000                 |        |         |
| BH (60°-80°)   | 504.5  | 7.9       | B2/1000                 |        | G2/1000 |
| BVH (80°-90°)  | 114.9  | 1.8       |                         |        | G2/225  |
| UL (90°-100°)  | 129.6  | 2.0       |                         | U3/500 |         |
| UH (100°-180°) | 49.9   | 0.8       |                         | U2/50  |         |

**BUG Rating: B2-U3-G3**

Type IV Medium





REPORT NUMBER: P561158

CATALOG NUMBER: SDL-PA1-80-827-U-T3-A

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 82.5°  | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 709.5  | 709.5  | 709.5  | 709.5  | 709.5  | 709.5  | 709.5  | 709.5  | 709.5  | 709.5  | 709.5  |
| 2.5°   | 587.5  | 644.8  | 634.8  | 652.3  | 662.2  | 677.2  | 687.1  | 692.1  | 697.1  | 702.1  | 702.1  |
| 5°     | 545.2  | 547.7  | 550.2  | 552.7  | 557.7  | 565.1  | 572.6  | 652.3  | 677.2  | 687.1  | 687.1  |
| 7.5°   | 497.9  | 495.4  | 505.4  | 517.8  | 535.3  | 545.2  | 552.7  | 555.2  | 582.6  | 605.0  | 609.9  |
| 10°    | 495.4  | 497.9  | 497.9  | 502.9  | 473.0  | 470.5  | 435.7  | 438.2  | 475.5  | 532.8  | 535.3  |
| 12.5°  | 430.7  | 443.1  | 470.5  | 490.4  | 460.6  | 413.3  | 405.8  | 425.7  | 398.3  | 468.0  | 470.5  |
| 15°    | 480.5  | 478.0  | 478.0  | 458.1  | 388.4  | 408.3  | 363.5  | 378.4  | 463.1  | 527.8  | 540.2  |
| 17.5°  | 418.2  | 413.3  | 463.1  | 448.1  | 403.3  | 341.1  | 408.3  | 403.3  | 418.2  | 455.6  | 448.1  |
| 20°    | 525.3  | 520.3  | 510.4  | 388.4  | 408.3  | 428.2  | 415.8  | 388.4  | 490.4  | 547.7  | 580.1  |
| 22.5°  | 490.4  | 495.4  | 520.3  | 492.9  | 420.7  | 440.7  | 393.4  | 478.0  | 463.1  | 440.7  | 445.6  |
| 25°    | 669.7  | 664.7  | 639.8  | 483.0  | 502.9  | 410.8  | 480.5  | 425.7  | 587.5  | 652.3  | 657.2  |
| 27.5°  | 617.4  | 609.9  | 592.5  | 607.5  | 510.4  | 537.7  | 468.0  | 557.7  | 649.8  | 764.3  | 799.2  |
| 30°    | 819.1  | 811.6  | 791.7  | 612.4  | 607.5  | 532.8  | 567.6  | 684.6  | 876.3  | 963.5  | 961.0  |
| 32.5°  | 1055.6 | 1000.8 | 878.8  | 784.2  | 649.8  | 692.1  | 649.8  | 806.6  | 933.6  | 1018.2 | 1018.2 |
| 35°    | 1200.0 | 1190.0 | 1125.3 | 911.2  | 756.8  | 754.3  | 746.9  | 888.8  | 1030.7 | 1090.4 | 1085.5 |
| 37.5°  | 1322.0 | 1339.4 | 1292.1 | 1055.6 | 853.9  | 873.8  | 836.5  | 1000.8 | 1150.2 | 1185.0 | 1180.1 |
| 40°    | 1491.3 | 1486.3 | 1461.4 | 1180.1 | 973.4  | 970.9  | 943.5  | 1135.2 | 1282.1 | 1307.0 | 1294.6 |
| 42.5°  | 1742.7 | 1715.3 | 1640.6 | 1346.9 | 1100.4 | 1100.4 | 1050.6 | 1262.2 | 1443.9 | 1446.4 | 1453.9 |
| 45°    | 2051.4 | 2039.0 | 1907.0 | 1605.8 | 1264.7 | 1262.2 | 1180.1 | 1396.6 | 1608.3 | 1620.7 | 1598.3 |
| 47.5°  | 2265.5 | 2228.2 | 2163.4 | 1842.3 | 1518.6 | 1461.4 | 1336.9 | 1528.6 | 1804.9 | 1795.0 | 1750.2 |
| 50°    | 2477.1 | 2447.2 | 2387.5 | 2101.2 | 1782.5 | 1668.0 | 1483.8 | 1665.5 | 1994.1 | 1966.8 | 1924.4 |
| 52.5°  | 2658.9 | 2619.0 | 2554.3 | 2312.8 | 2014.1 | 1924.4 | 1653.1 | 1790.0 | 2185.8 | 2141.0 | 2101.2 |
| 55°    | 2763.4 | 2681.3 | 2686.2 | 2502.0 | 2188.3 | 2116.1 | 1842.3 | 1991.7 | 2372.6 | 2307.8 | 2275.5 |
| 57.5°  | 2634.0 | 2629.0 | 2711.1 | 2619.0 | 2347.7 | 2275.5 | 2043.9 | 2193.3 | 2566.7 | 2482.1 | 2467.2 |
| 60°    | 2504.5 | 2519.4 | 2636.5 | 2653.9 | 2472.1 | 2419.9 | 2218.2 | 2479.6 | 2756.0 | 2663.8 | 2663.8 |
| 62.5°  | 2325.3 | 2367.6 | 2531.9 | 2666.3 | 2484.6 | 2561.8 | 2399.9 | 2723.6 | 2962.6 | 2877.9 | 2905.3 |
| 65°    | 2121.1 | 2121.1 | 2310.3 | 2564.3 | 2444.8 | 2656.4 | 2601.6 | 2990.0 | 3144.3 | 3094.5 | 3151.8 |
| 67.5°  | 1842.3 | 1847.3 | 2043.9 | 2365.1 | 2372.6 | 2703.7 | 2763.4 | 3199.1 | 3333.5 | 3296.2 | 3338.5 |
| 70°    | 1563.4 | 1565.9 | 1730.2 | 2091.2 | 2213.2 | 2686.2 | 2902.8 | 3338.5 | 3425.6 | 3430.6 | 3450.5 |
| 72.5°  | 1170.1 | 1212.4 | 1366.8 | 1697.9 | 1936.9 | 2614.0 | 2975.0 | 3378.3 | 3423.2 | 3430.6 | 3365.9 |
| 75°    | 629.9  | 649.8  | 821.6  | 1105.4 | 1439.0 | 2317.8 | 2952.6 | 3336.0 | 3303.7 | 3216.5 | 3047.2 |
| 77.5°  | 219.1  | 229.0  | 288.8  | 483.0  | 816.6  | 1640.6 | 2738.5 | 3151.8 | 3047.2 | 2773.4 | 2524.4 |
| 80°    | 141.9  | 141.9  | 156.8  | 231.5  | 370.9  | 776.7  | 2126.1 | 2701.2 | 2454.7 | 1869.7 | 1638.1 |
| 82.5°  | 99.6   | 102.1  | 114.5  | 154.4  | 239.0  | 333.6  | 1105.4 | 1371.8 | 1351.8 | 931.1  | 784.2  |
| 85°    | 72.2   | 74.7   | 79.7   | 89.6   | 164.3  | 206.6  | 430.7  | 659.7  | 609.9  | 333.6  | 313.7  |
| 87.5°  | 32.4   | 37.3   | 32.4   | 39.8   | 64.7   | 127.0  | 206.6  | 204.1  | 194.2  | 221.6  | 226.6  |
| 90°    | 24.9   | 24.9   | 19.9   | 22.4   | 44.8   | 114.5  | 191.7  | 184.2  | 196.7  | 241.5  | 239.0  |
| 92.5°  | 24.9   | 24.9   | 19.9   | 22.4   | 42.3   | 114.5  | 201.7  | 179.2  | 204.1  | 258.9  | 261.4  |
| 95°    | 24.9   | 27.4   | 19.9   | 19.9   | 34.9   | 117.0  | 214.1  | 191.7  | 216.6  | 281.3  | 281.3  |
| 97.5°  | 22.4   | 22.4   | 14.9   | 17.4   | 27.4   | 107.1  | 214.1  | 164.3  | 159.3  | 226.6  | 224.1  |
| 100°   | 17.4   | 19.9   | 10.0   | 14.9   | 19.9   | 64.7   | 159.3  | 102.1  | 44.8   | 52.3   | 79.7   |
| 102.5° | 17.4   | 17.4   | 10.0   | 12.4   | 14.9   | 27.4   | 84.6   | 59.7   | 12.4   | 17.4   | 17.4   |
| 105°   | 17.4   | 19.9   | 10.0   | 10.0   | 10.0   | 12.4   | 39.8   | 29.9   | 10.0   | 14.9   | 17.4   |
| 107.5° | 19.9   | 19.9   | 7.5    | 7.5    | 7.5    | 7.5    | 14.9   | 12.4   | 10.0   | 17.4   | 19.9   |
| 110°   | 19.9   | 19.9   | 7.5    | 7.5    | 5.0    | 5.0    | 7.5    | 7.5    | 10.0   | 17.4   | 19.9   |



REPORT NUMBER: P561158  
 CATALOG NUMBER: SDL-PA1-80-827-U-T3-A

**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15°  | 25° | 35° | 45° | 55° | 65° | 75°  | 82.5° | 85°  |
|--------|------|------|------|-----|-----|-----|-----|-----|------|-------|------|
| 112.5° | 17.4 | 17.4 | 7.5  | 7.5 | 5.0 | 5.0 | 5.0 | 7.5 | 10.0 | 14.9  | 17.4 |
| 115°   | 12.4 | 12.4 | 5.0  | 7.5 | 5.0 | 5.0 | 5.0 | 7.5 | 7.5  | 12.4  | 14.9 |
| 117.5° | 12.4 | 10.0 | 5.0  | 5.0 | 2.5 | 5.0 | 5.0 | 7.5 | 10.0 | 17.4  | 17.4 |
| 120°   | 12.4 | 12.4 | 5.0  | 2.5 | 2.5 | 2.5 | 2.5 | 5.0 | 12.4 | 19.9  | 22.4 |
| 122.5° | 12.4 | 12.4 | 5.0  | 2.5 | 2.5 | 2.5 | 2.5 | 5.0 | 12.4 | 19.9  | 22.4 |
| 125°   | 14.9 | 12.4 | 7.5  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 10.0 | 17.4  | 19.9 |
| 127.5° | 12.4 | 12.4 | 7.5  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 7.5  | 14.9  | 17.4 |
| 130°   | 12.4 | 12.4 | 7.5  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 7.5  | 12.4  | 12.4 |
| 132.5° | 10.0 | 10.0 | 7.5  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 5.0  | 10.0  | 10.0 |
| 135°   | 10.0 | 10.0 | 5.0  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5  | 7.5   | 7.5  |
| 137.5° | 5.0  | 5.0  | 2.5  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 140°   | 0.0  | 2.5  | 0.0  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 142.5° | 0.0  | 0.0  | 0.0  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 145°   | 0.0  | 0.0  | 0.0  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 147.5° | 2.5  | 2.5  | 2.5  | 5.0 | 5.0 | 2.5 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 150°   | 7.5  | 7.5  | 7.5  | 5.0 | 5.0 | 2.5 | 5.0 | 2.5 | 2.5  | 2.5   | 2.5  |
| 152.5° | 7.5  | 7.5  | 10.0 | 5.0 | 2.5 | 2.5 | 2.5 | 5.0 | 2.5  | 2.5   | 2.5  |
| 155°   | 5.0  | 5.0  | 5.0  | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 5.0  | 5.0   | 7.5  |
| 157.5° | 2.5  | 2.5  | 2.5  | 0.0 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0   | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0   | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0   | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0   | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0   | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0   | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0   | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0   | 0.0  |





REPORT NUMBER: P561158  
 CATALOG NUMBER: SDL-PA1-80-827-U-T3-A

**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°    | 105°   | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 709.5  | 709.5  | 709.5  | 709.5 | 709.5 | 709.5 | 709.5 | 709.5 | 709.5 | 709.5 | 709.5 |
| 2.5°   | 704.5  | 709.5  | 712.0  | 719.5 | 719.5 | 719.5 | 702.1 | 659.7 | 659.7 | 662.2 | 664.7 |
| 5°     | 694.6  | 699.6  | 709.5  | 674.7 | 639.8 | 637.3 | 649.8 | 657.2 | 659.7 | 662.2 | 657.2 |
| 7.5°   | 614.9  | 624.9  | 619.9  | 622.4 | 639.8 | 657.2 | 672.2 | 662.2 | 637.3 | 619.9 | 624.9 |
| 10°    | 547.7  | 557.7  | 502.9  | 507.9 | 527.8 | 577.6 | 659.7 | 687.1 | 704.5 | 712.0 | 712.0 |
| 12.5°  | 480.5  | 488.0  | 440.7  | 510.4 | 475.5 | 552.7 | 642.3 | 709.5 | 642.3 | 614.9 | 614.9 |
| 15°    | 550.2  | 565.1  | 507.9  | 453.1 | 463.1 | 560.2 | 492.9 | 677.2 | 697.1 | 702.1 | 707.0 |
| 17.5°  | 470.5  | 460.6  | 470.5  | 478.0 | 520.3 | 435.7 | 565.1 | 637.3 | 597.5 | 582.6 | 590.0 |
| 20°    | 592.5  | 602.5  | 550.2  | 470.5 | 475.5 | 555.2 | 502.9 | 570.1 | 679.7 | 682.1 | 687.1 |
| 22.5°  | 450.6  | 463.1  | 492.9  | 560.2 | 490.4 | 537.7 | 530.3 | 592.5 | 555.2 | 557.7 | 577.6 |
| 25°    | 662.2  | 672.2  | 619.9  | 500.4 | 535.3 | 485.5 | 535.3 | 527.8 | 622.4 | 627.4 | 627.4 |
| 27.5°  | 811.6  | 789.2  | 677.2  | 565.1 | 470.5 | 512.9 | 483.0 | 502.9 | 480.5 | 547.7 | 557.7 |
| 30°    | 966.0  | 966.0  | 878.8  | 629.9 | 497.9 | 435.7 | 440.7 | 478.0 | 532.8 | 542.7 | 542.7 |
| 32.5°  | 1013.3 | 1010.8 | 898.7  | 682.1 | 490.4 | 450.6 | 405.8 | 450.6 | 545.2 | 592.5 | 597.5 |
| 35°    | 1080.5 | 1070.5 | 933.6  | 664.7 | 473.0 | 410.8 | 383.4 | 453.1 | 522.8 | 530.3 | 525.3 |
| 37.5°  | 1165.1 | 1140.2 | 975.9  | 632.4 | 433.2 | 385.9 | 368.5 | 408.3 | 468.0 | 468.0 | 468.0 |
| 40°    | 1269.7 | 1229.8 | 990.8  | 587.5 | 390.9 | 353.5 | 336.1 | 378.4 | 418.2 | 395.8 | 388.4 |
| 42.5°  | 1411.6 | 1351.8 | 1003.3 | 555.2 | 353.5 | 326.1 | 303.7 | 343.6 | 363.5 | 351.0 | 346.0 |
| 45°    | 1543.5 | 1453.9 | 1023.2 | 520.3 | 323.6 | 301.2 | 281.3 | 316.2 | 331.1 | 318.7 | 316.2 |
| 47.5°  | 1700.4 | 1580.9 | 1025.7 | 488.0 | 301.2 | 281.3 | 266.4 | 296.3 | 306.2 | 306.2 | 303.7 |
| 50°    | 1862.2 | 1702.9 | 1045.6 | 460.6 | 278.8 | 261.4 | 258.9 | 281.3 | 288.8 | 283.8 | 281.3 |
| 52.5°  | 2046.4 | 1839.8 | 1053.1 | 425.7 | 251.4 | 239.0 | 251.4 | 266.4 | 288.8 | 291.3 | 291.3 |
| 55°    | 2243.1 | 1966.8 | 1048.1 | 378.4 | 231.5 | 226.6 | 244.0 | 276.3 | 296.3 | 281.3 | 278.8 |
| 57.5°  | 2434.8 | 2093.7 | 1050.6 | 326.1 | 211.6 | 221.6 | 246.5 | 288.8 | 303.7 | 286.3 | 278.8 |
| 60°    | 2606.6 | 2208.2 | 1015.7 | 278.8 | 196.7 | 209.1 | 256.4 | 301.2 | 296.3 | 301.2 | 293.8 |
| 62.5°  | 2818.2 | 2327.7 | 916.2  | 249.0 | 184.2 | 204.1 | 256.4 | 308.7 | 288.8 | 308.7 | 308.7 |
| 65°    | 2992.5 | 2417.4 | 774.3  | 224.1 | 174.3 | 204.1 | 258.9 | 311.2 | 281.3 | 313.7 | 313.7 |
| 67.5°  | 3067.1 | 2414.9 | 560.2  | 204.1 | 161.8 | 199.2 | 258.9 | 321.2 | 288.8 | 323.6 | 321.2 |
| 70°    | 3037.3 | 2332.7 | 395.8  | 189.2 | 154.4 | 201.7 | 268.9 | 328.6 | 296.3 | 343.6 | 341.1 |
| 72.5°  | 2835.6 | 2138.5 | 286.3  | 176.8 | 144.4 | 191.7 | 276.3 | 338.6 | 303.7 | 373.4 | 373.4 |
| 75°    | 2497.0 | 1787.5 | 231.5  | 164.3 | 134.4 | 189.2 | 278.8 | 343.6 | 308.7 | 378.4 | 378.4 |
| 77.5°  | 1909.5 | 1284.6 | 194.2  | 151.9 | 124.5 | 184.2 | 276.3 | 351.0 | 306.2 | 378.4 | 378.4 |
| 80°    | 1145.2 | 731.9  | 161.8  | 136.9 | 127.0 | 181.7 | 281.3 | 351.0 | 306.2 | 373.4 | 373.4 |
| 82.5°  | 527.8  | 336.1  | 144.4  | 114.5 | 119.5 | 179.2 | 286.3 | 346.0 | 293.8 | 373.4 | 358.5 |
| 85°    | 293.8  | 236.5  | 124.5  | 97.1  | 107.1 | 169.3 | 271.4 | 311.2 | 263.9 | 308.7 | 303.7 |
| 87.5°  | 219.1  | 184.2  | 79.7   | 49.8  | 69.7  | 119.5 | 209.1 | 246.5 | 199.2 | 239.0 | 236.5 |
| 90°    | 234.0  | 194.2  | 72.2   | 49.8  | 74.7  | 109.5 | 196.7 | 219.1 | 184.2 | 221.6 | 219.1 |
| 92.5°  | 251.4  | 204.1  | 72.2   | 52.3  | 84.6  | 119.5 | 196.7 | 214.1 | 181.7 | 201.7 | 204.1 |
| 95°    | 263.9  | 211.6  | 69.7   | 57.3  | 89.6  | 129.5 | 191.7 | 196.7 | 166.8 | 174.3 | 181.7 |
| 97.5°  | 206.6  | 159.3  | 62.2   | 59.7  | 87.1  | 104.6 | 156.8 | 154.4 | 114.5 | 107.1 | 107.1 |
| 100°   | 64.7   | 44.8   | 54.8   | 62.2  | 52.3  | 49.8  | 92.1  | 109.5 | 67.2  | 44.8  | 42.3  |
| 102.5° | 19.9   | 17.4   | 49.8   | 59.7  | 39.8  | 22.4  | 49.8  | 69.7  | 49.8  | 7.5   | 10.0  |
| 105°   | 19.9   | 19.9   | 32.4   | 49.8  | 27.4  | 10.0  | 19.9  | 37.3  | 29.9  | 7.5   | 7.5   |
| 107.5° | 19.9   | 17.4   | 12.4   | 27.4  | 10.0  | 7.5   | 10.0  | 10.0  | 10.0  | 7.5   | 7.5   |
| 110°   | 19.9   | 19.9   | 10.0   | 10.0  | 7.5   | 7.5   | 7.5   | 5.0   | 5.0   | 12.4  | 12.4  |



REPORT NUMBER: P561158  
 CATALOG NUMBER: SDL-PA1-80-827-U-T3-A

**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 19.9 | 19.9 | 10.0 | 10.0 | 7.5  | 7.5  | 5.0  | 5.0  | 7.5  | 17.4 | 17.4 |
| 115°   | 17.4 | 17.4 | 10.0 | 7.5  | 5.0  | 7.5  | 5.0  | 5.0  | 7.5  | 19.9 | 19.9 |
| 117.5° | 19.9 | 19.9 | 10.0 | 7.5  | 5.0  | 5.0  | 5.0  | 2.5  | 7.5  | 22.4 | 24.9 |
| 120°   | 24.9 | 22.4 | 12.4 | 5.0  | 5.0  | 5.0  | 5.0  | 5.0  | 10.0 | 19.9 | 22.4 |
| 122.5° | 24.9 | 24.9 | 12.4 | 5.0  | 2.5  | 2.5  | 2.5  | 5.0  | 10.0 | 19.9 | 22.4 |
| 125°   | 22.4 | 22.4 | 12.4 | 5.0  | 2.5  | 2.5  | 2.5  | 2.5  | 10.0 | 17.4 | 17.4 |
| 127.5° | 19.9 | 19.9 | 10.0 | 5.0  | 2.5  | 2.5  | 2.5  | 2.5  | 7.5  | 14.9 | 17.4 |
| 130°   | 14.9 | 14.9 | 7.5  | 5.0  | 2.5  | 2.5  | 2.5  | 2.5  | 7.5  | 12.4 | 14.9 |
| 132.5° | 12.4 | 12.4 | 7.5  | 5.0  | 2.5  | 2.5  | 2.5  | 2.5  | 7.5  | 10.0 | 12.4 |
| 135°   | 7.5  | 7.5  | 5.0  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 5.0  | 7.5  | 10.0 |
| 137.5° | 5.0  | 5.0  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 5.0  | 5.0  |
| 140°   | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 0.0  | 2.5  | 2.5  | 2.5  | 2.5  |
| 142.5° | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 0.0  | 2.5  | 2.5  | 2.5  | 2.5  |
| 145°   | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  |
| 147.5° | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  |
| 150°   | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 5.0  | 5.0  | 7.5  | 5.0  |
| 152.5° | 2.5  | 2.5  | 2.5  | 5.0  | 2.5  | 0.0  | 0.0  | 5.0  | 5.0  | 7.5  | 7.5  |
| 155°   | 7.5  | 7.5  | 5.0  | 2.5  | 2.5  | 0.0  | 0.0  | 0.0  | 5.0  | 5.0  | 5.0  |
| 157.5° | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 0.0  | 0.0  | 0.0  | 2.5  | 2.5  | 2.5  |
| 160°   | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 0.0  | 0.0  | 0.0  | 0.0  | 2.5  | 2.5  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 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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