

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: P561339

Luminaire Tested: **SDL-PA1-90-827-U-T4W-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561339  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-90-827-U-T4W-HSS-A  
Description: Springdale  
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5098.1 lumens  
Efficiency: N/A  
Efficacy: 55.2 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: B1 - U3 - G2

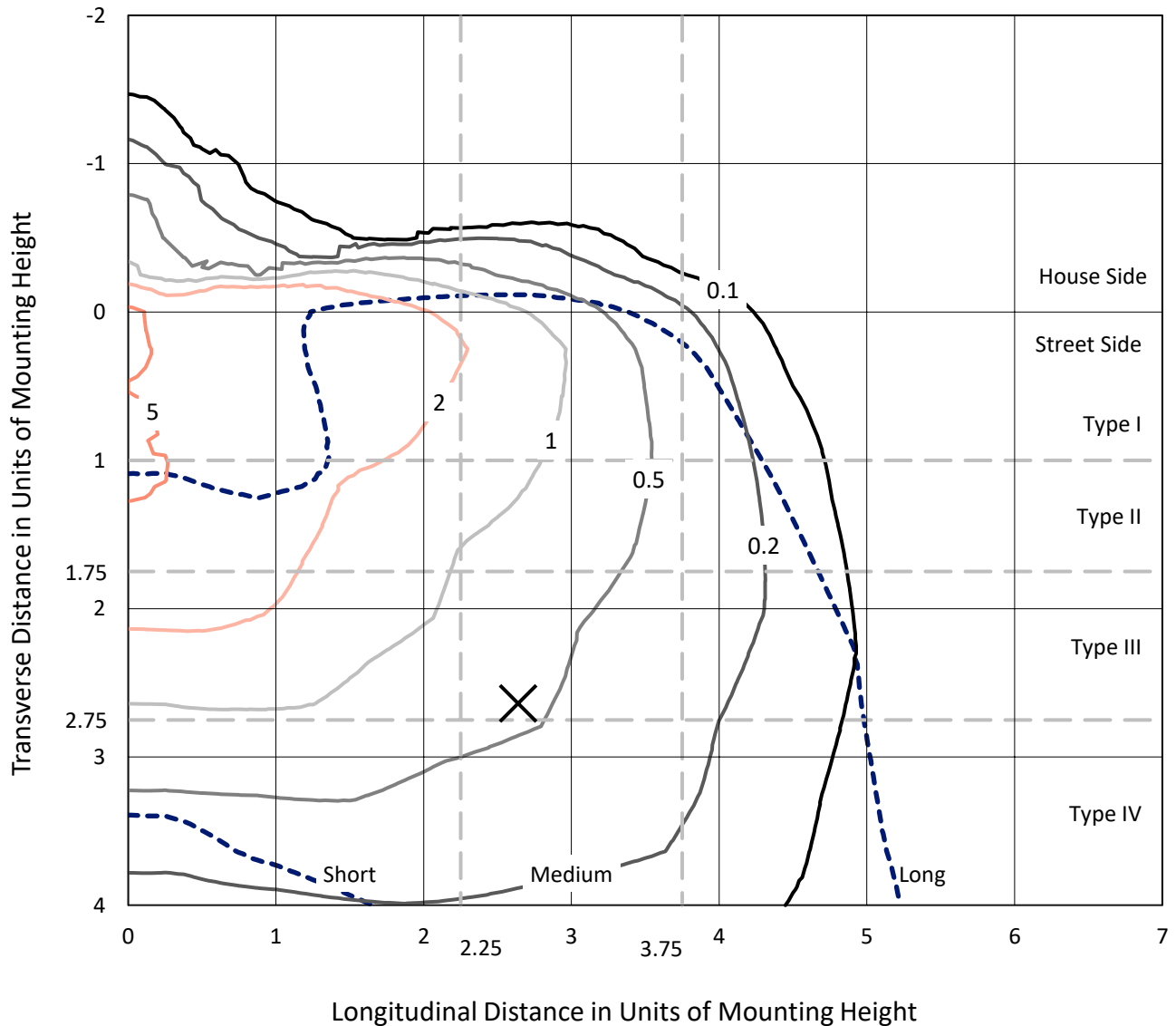
Input Watts (W): 92.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

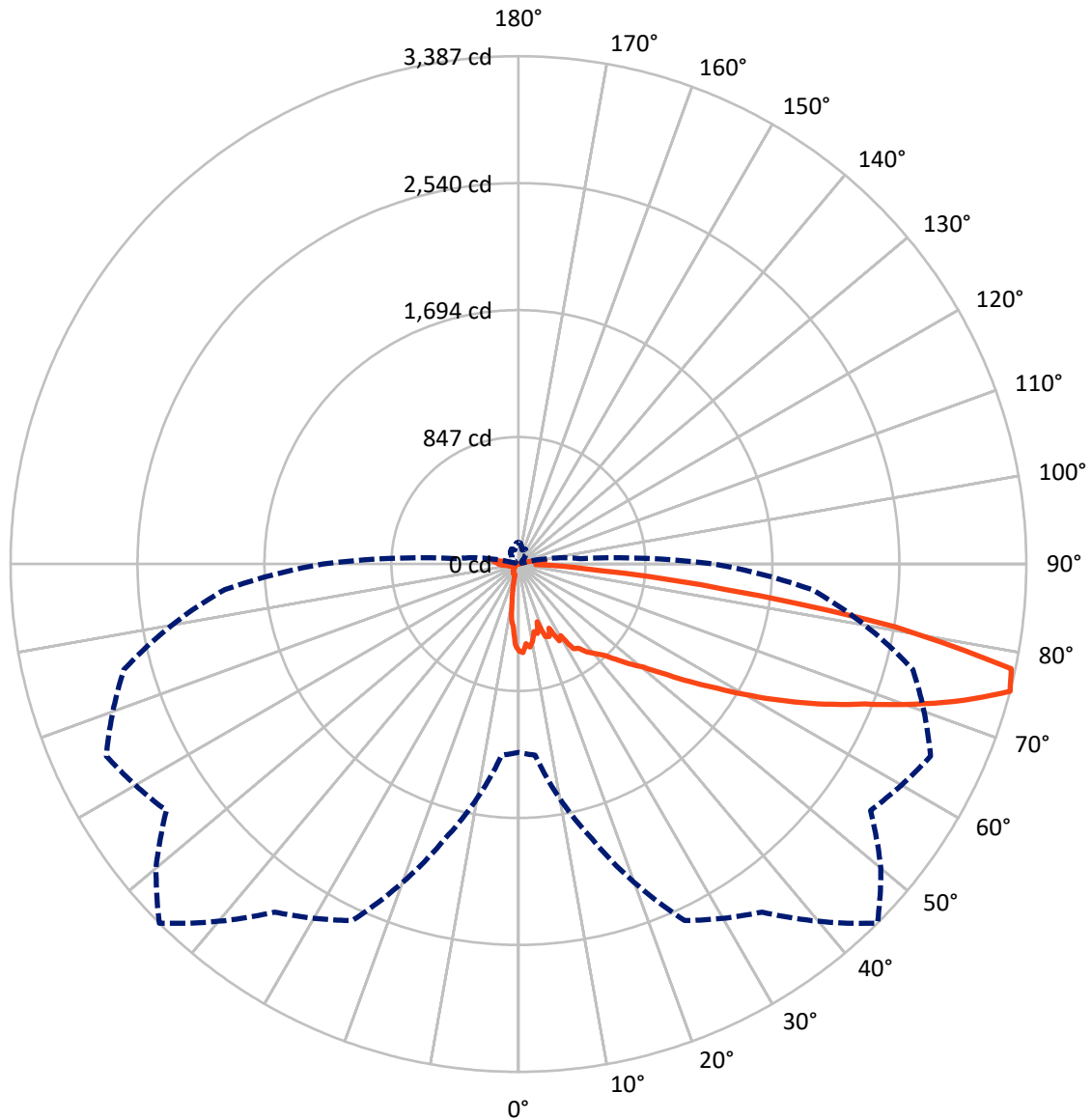
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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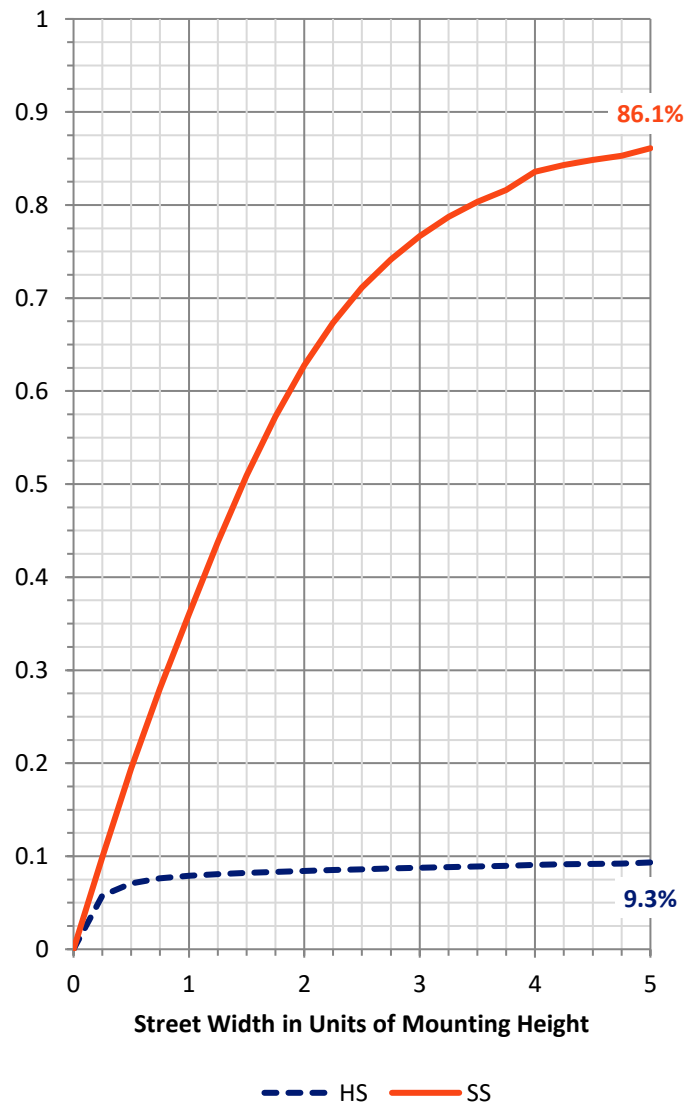
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 523.1    | 91.5   | 614.6  |
|                    | % Fixture | 10.3     | 1.8    | 12.1   |
| <b>Street Side</b> | Lumens    | 4412.7   | 70.7   | 4483.4 |
|                    | % Fixture | 86.6     | 1.4    | 87.9   |
| <b>Total</b>       | Lumens    | 4935.8   | 162.2  | 5098.1 |
|                    | % Fixture | 96.8     | 3.2    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.1   | 0.9       |
| 10°-20°   | 97.5   | 1.9       |
| 20°-30°   | 163.6  | 3.2       |
| 30°-40°   | 303.4  | 6.0       |
| 40°-50°   | 511.4  | 10.0      |
| 50°-60°   | 917.9  | 18.0      |
| 60°-70°   | 1378.2 | 27.0      |
| 70°-80°   | 1260.9 | 24.7      |
| 80°-90°   | 257.8  | 5.1       |
| 90°-100°  | 123.4  | 2.4       |
| 100°-110° | 26.3   | 0.5       |
| 110°-120° | 5.0    | 0.1       |
| 120°-130° | 3.9    | 0.1       |
| 130°-140° | 1.8    | 0.0       |
| 140°-150° | 0.9    | 0.0       |
| 150°-160° | 0.9    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 4935.8 | 96.8      |
| 0°-180°   | 5098.1 | 100.0     |



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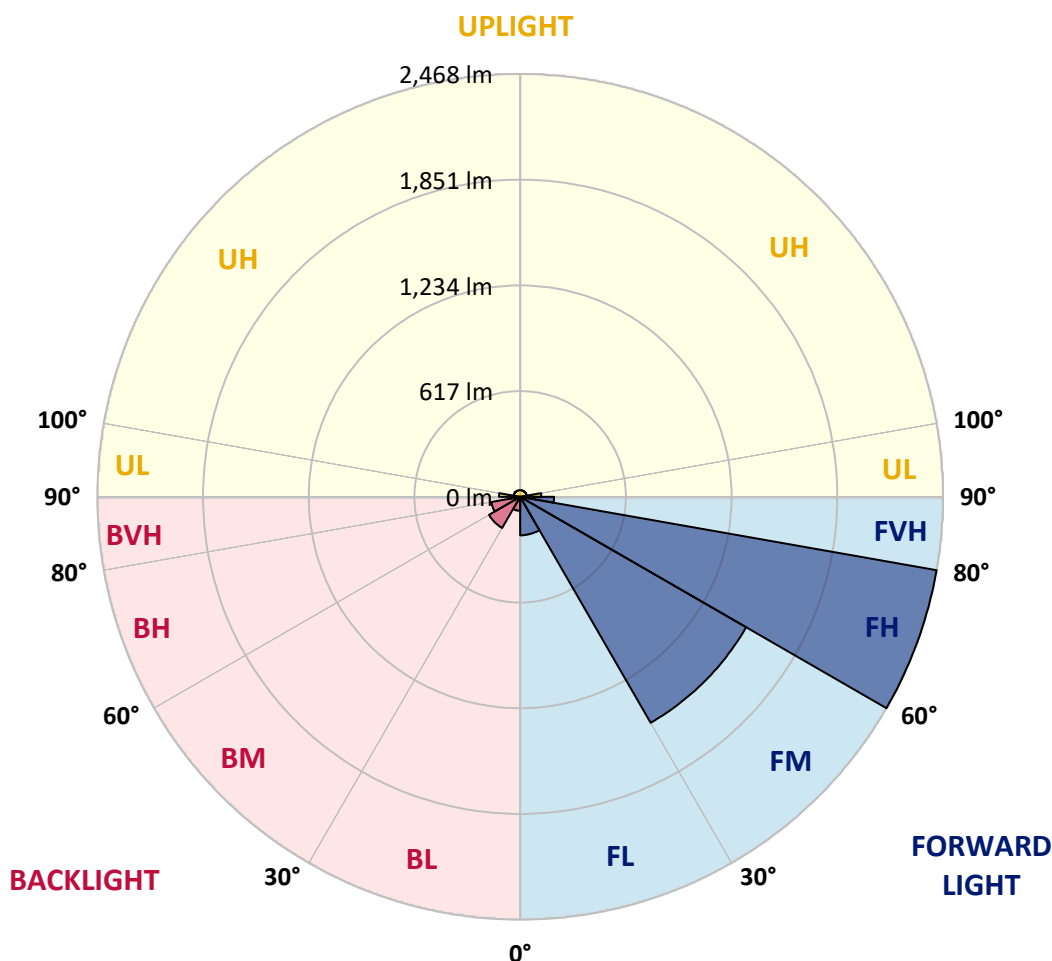
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 224.6  | 4.4       |                         |        |         |
| FM   | (30°-60°)   | 1522.8 | 29.9      |                         |        |         |
| FH   | (60°-80°)   | 2467.6 | 48.4      |                         |        | G2/5000 |
| FVH  | (80°-90°)   | 197.7  | 3.9       |                         |        | G2/225  |
| BL   | (0°-30°)    | 81.7   | 1.6       | B0/110                  |        |         |
| BM   | (30°-60°)   | 209.9  | 4.1       | B0/220                  |        |         |
| BH   | (60°-80°)   | 171.4  | 3.4       | B1/500                  |        | G1/500  |
| BVH  | (80°-90°)   | 60.1   | 1.2       |                         |        | G1/100  |
| UL   | (90°-100°)  | 123.4  | 2.4       |                         | U3/500 |         |
| UH   | (100°-180°) | 38.9   | 0.8       |                         | U2/50  |         |

**BUG Rating: B1-U3-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 50°    | 55°    | 65°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 580.9  | 580.9  | 580.9  | 580.9  | 580.9  | 580.9  | 580.9  | 580.9  | 580.9  | 580.9  | 580.9  |
| 2.5°   | 564.5  | 591.8  | 583.6  | 597.2  | 594.5  | 591.8  | 591.8  | 594.5  | 591.8  | 586.3  | 580.9  |
| 5°     | 575.4  | 567.3  | 561.8  | 559.1  | 548.2  | 534.5  | 529.1  | 523.6  | 580.9  | 580.9  | 570.0  |
| 7.5°   | 591.8  | 591.8  | 580.9  | 572.7  | 572.7  | 559.1  | 545.4  | 534.5  | 507.3  | 499.1  | 499.1  |
| 10°    | 630.0  | 624.5  | 616.3  | 600.0  | 518.2  | 520.9  | 490.9  | 430.9  | 403.6  | 414.5  | 430.9  |
| 12.5°  | 638.2  | 635.4  | 624.5  | 621.8  | 545.4  | 463.6  | 384.5  | 430.9  | 411.8  | 343.6  | 381.8  |
| 15°    | 684.5  | 679.1  | 657.2  | 619.1  | 466.3  | 480.0  | 447.3  | 384.5  | 368.2  | 420.0  | 450.0  |
| 17.5°  | 583.6  | 583.6  | 654.5  | 600.0  | 507.3  | 403.6  | 400.9  | 447.3  | 403.6  | 376.3  | 373.6  |
| 20°    | 717.2  | 717.2  | 687.2  | 490.9  | 520.9  | 515.4  | 414.5  | 469.1  | 395.4  | 447.3  | 477.3  |
| 22.5°  | 597.2  | 594.5  | 616.3  | 608.2  | 499.1  | 526.3  | 425.4  | 428.2  | 471.8  | 403.6  | 346.3  |
| 25°    | 728.2  | 728.2  | 711.8  | 529.1  | 567.3  | 474.5  | 485.4  | 512.7  | 420.0  | 510.0  | 515.4  |
| 27.5°  | 627.2  | 624.5  | 594.5  | 605.4  | 529.1  | 580.9  | 441.8  | 482.7  | 515.4  | 550.9  | 605.4  |
| 30°    | 766.3  | 771.8  | 758.2  | 575.4  | 589.1  | 553.6  | 526.3  | 559.1  | 624.5  | 733.6  | 769.1  |
| 32.5°  | 946.3  | 951.8  | 807.2  | 692.7  | 591.8  | 673.6  | 564.5  | 616.3  | 717.2  | 769.1  | 807.2  |
| 35°    | 1052.7 | 1011.8 | 949.1  | 774.5  | 638.2  | 690.0  | 649.1  | 657.2  | 747.2  | 829.1  | 856.3  |
| 37.5°  | 1142.7 | 1088.1 | 1014.5 | 799.1  | 673.6  | 744.5  | 676.3  | 687.2  | 810.0  | 883.6  | 919.1  |
| 40°    | 1172.7 | 1140.0 | 1099.0 | 853.6  | 717.2  | 785.4  | 709.1  | 733.6  | 870.0  | 954.5  | 1009.1 |
| 42.5°  | 1246.3 | 1249.0 | 1224.5 | 930.0  | 763.6  | 829.1  | 763.6  | 780.0  | 949.1  | 1052.7 | 1131.8 |
| 45°    | 1442.7 | 1448.1 | 1420.9 | 1060.9 | 820.9  | 905.4  | 850.9  | 859.1  | 1039.0 | 1202.7 | 1303.6 |
| 47.5°  | 1693.6 | 1674.5 | 1647.2 | 1235.4 | 908.1  | 992.7  | 951.8  | 943.6  | 1145.4 | 1399.0 | 1489.0 |
| 50°    | 1947.2 | 1911.7 | 1854.5 | 1475.4 | 1058.1 | 1082.7 | 1055.4 | 1050.0 | 1273.6 | 1600.8 | 1699.0 |
| 52.5°  | 2211.7 | 2184.5 | 2064.5 | 1701.8 | 1281.8 | 1213.6 | 1183.6 | 1213.6 | 1439.9 | 1824.5 | 1914.5 |
| 55°    | 2350.8 | 2323.5 | 2247.2 | 1944.5 | 1497.2 | 1382.7 | 1330.9 | 1385.4 | 1696.3 | 2034.5 | 2151.7 |
| 57.5°  | 2465.4 | 2457.2 | 2421.7 | 2198.1 | 1759.0 | 1562.7 | 1510.8 | 1562.7 | 1900.8 | 2230.8 | 2369.9 |
| 60°    | 2629.0 | 2596.3 | 2629.0 | 2443.5 | 2012.6 | 1783.6 | 1712.7 | 1767.2 | 2151.7 | 2402.6 | 2609.9 |
| 62.5°  | 2746.3 | 2738.1 | 2803.5 | 2719.0 | 2225.4 | 2015.4 | 1911.7 | 1963.6 | 2372.6 | 2585.4 | 2847.2 |
| 65°    | 2620.8 | 2661.7 | 2923.5 | 2899.0 | 2465.4 | 2252.6 | 2143.6 | 2127.2 | 2552.6 | 2781.7 | 3100.8 |
| 67.5°  | 2397.2 | 2424.4 | 2806.3 | 2991.7 | 2675.3 | 2492.6 | 2361.7 | 2285.4 | 2719.0 | 2959.0 | 3302.6 |
| 70°    | 2184.5 | 2217.2 | 2566.3 | 2997.2 | 2776.3 | 2800.8 | 2618.1 | 2476.3 | 2885.3 | 3158.1 | 3346.2 |
| 72.5°  | 2015.4 | 2045.4 | 2359.0 | 2931.7 | 2811.7 | 3109.0 | 2899.0 | 2678.1 | 3046.2 | 3163.5 | 2923.5 |
| 75°    | 1257.2 | 1279.0 | 1898.1 | 2623.5 | 2833.5 | 3387.1 | 3155.3 | 2866.2 | 3032.6 | 2724.4 | 1966.3 |
| 77.5°  | 387.3  | 395.4  | 812.7  | 1731.7 | 2462.6 | 3359.9 | 3111.7 | 2694.4 | 2541.7 | 1729.0 | 897.2  |
| 80°    | 133.6  | 136.4  | 210.0  | 616.3  | 1472.7 | 2549.9 | 2372.6 | 1982.6 | 1519.0 | 638.2  | 338.2  |
| 82.5°  | 62.7   | 68.2   | 98.2   | 207.3  | 600.0  | 1393.6 | 1401.8 | 1178.1 | 638.2  | 283.6  | 229.1  |
| 85°    | 21.8   | 21.8   | 40.9   | 90.0   | 231.8  | 537.3  | 510.0  | 474.5  | 335.4  | 256.4  | 212.7  |
| 87.5°  | 8.2    | 8.2    | 13.6   | 24.5   | 57.3   | 114.5  | 144.5  | 177.3  | 177.3  | 180.0  | 215.4  |
| 90°    | 8.2    | 8.2    | 5.5    | 5.5    | 40.9   | 120.0  | 144.5  | 160.9  | 147.3  | 163.6  | 234.5  |
| 92.5°  | 8.2    | 8.2    | 5.5    | 5.5    | 43.6   | 139.1  | 160.9  | 174.5  | 155.4  | 174.5  | 259.1  |
| 95°    | 8.2    | 8.2    | 5.5    | 5.5    | 49.1   | 169.1  | 188.2  | 185.4  | 155.4  | 182.7  | 278.2  |
| 97.5°  | 10.9   | 10.9   | 5.5    | 2.7    | 43.6   | 180.0  | 201.8  | 196.4  | 133.6  | 139.1  | 218.2  |
| 100°   | 10.9   | 10.9   | 5.5    | 2.7    | 27.3   | 133.6  | 160.9  | 158.2  | 87.3   | 21.8   | 62.7   |
| 102.5° | 10.9   | 10.9   | 5.5    | 2.7    | 5.5    | 62.7   | 76.4   | 79.1   | 51.8   | 8.2    | 10.9   |
| 105°   | 13.6   | 13.6   | 5.5    | 2.7    | 2.7    | 10.9   | 24.5   | 32.7   | 19.1   | 5.5    | 10.9   |
| 107.5° | 13.6   | 13.6   | 5.5    | 2.7    | 2.7    | 5.5    | 5.5    | 8.2    | 8.2    | 5.5    | 13.6   |
| 110°   | 13.6   | 13.6   | 5.5    | 5.5    | 2.7    | 2.7    | 2.7    | 2.7    | 5.5    | 5.5    | 13.6   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15° | 25° | 35° | 45° | 50° | 55° | 65° | 75° | 85°  |
|--------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 112.5° | 10.9 | 10.9 | 2.7 | 5.5 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 5.5 | 13.6 |
| 115°   | 5.5  | 5.5  | 2.7 | 2.7 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 5.5 | 10.9 |
| 117.5° | 2.7  | 2.7  | 0.0 | 2.7 | 0.0 | 2.7 | 2.7 | 2.7 | 5.5 | 5.5 | 13.6 |
| 120°   | 2.7  | 2.7  | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 8.2 | 16.4 |
| 122.5° | 2.7  | 2.7  | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 8.2 | 16.4 |
| 125°   | 2.7  | 2.7  | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 8.2 | 16.4 |
| 127.5° | 2.7  | 2.7  | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 8.2 | 13.6 |
| 130°   | 2.7  | 2.7  | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 5.5 | 10.9 |
| 132.5° | 2.7  | 2.7  | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 5.5 | 8.2  |
| 135°   | 2.7  | 2.7  | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 5.5  |
| 137.5° | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7  |
| 140°   | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7  |
| 142.5° | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7  |
| 145°   | 0.0  | 0.0  | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7  |
| 147.5° | 0.0  | 0.0  | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7  |
| 150°   | 8.2  | 8.2  | 5.5 | 2.7 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7  |
| 152.5° | 5.5  | 5.5  | 8.2 | 2.7 | 0.0 | 0.0 | 2.7 | 2.7 | 5.5 | 2.7 | 2.7  |
| 155°   | 5.5  | 5.5  | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 5.5 | 5.5  |
| 157.5° | 2.7  | 2.7  | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7  |
| 160°   | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7  |
| 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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**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 580.9  | 580.9  | 580.9 | 580.9 | 580.9 | 580.9 | 580.9 | 580.9 | 580.9 | 580.9 | 580.9 |
| 2.5°   | 575.4  | 572.7  | 564.5 | 559.1 | 550.9 | 542.7 | 501.8 | 477.3 | 474.5 | 471.8 | 474.5 |
| 5°     | 564.5  | 556.3  | 542.7 | 480.0 | 450.0 | 422.7 | 414.5 | 409.1 | 395.4 | 395.4 | 398.2 |
| 7.5°   | 488.2  | 482.7  | 439.1 | 420.0 | 395.4 | 370.9 | 349.1 | 332.7 | 291.8 | 278.2 | 272.7 |
| 10°    | 428.2  | 417.3  | 340.9 | 302.7 | 278.2 | 250.9 | 250.9 | 229.1 | 218.2 | 210.0 | 207.3 |
| 12.5°  | 370.9  | 362.7  | 300.0 | 275.4 | 207.3 | 180.0 | 166.4 | 152.7 | 144.5 | 139.1 | 136.4 |
| 15°    | 433.6  | 420.0  | 321.8 | 220.9 | 152.7 | 128.2 | 100.9 | 98.2  | 122.7 | 128.2 | 130.9 |
| 17.5°  | 346.3  | 354.5  | 286.4 | 193.6 | 125.4 | 79.1  | 87.3  | 103.6 | 117.3 | 117.3 | 114.5 |
| 20°    | 460.9  | 441.8  | 310.9 | 155.4 | 90.0  | 79.1  | 84.5  | 76.4  | 109.1 | 117.3 | 117.3 |
| 22.5°  | 335.4  | 319.1  | 256.4 | 144.5 | 70.9  | 76.4  | 70.9  | 90.0  | 100.9 | 90.0  | 92.7  |
| 25°    | 499.1  | 474.5  | 297.3 | 100.9 | 73.6  | 65.5  | 81.8  | 70.9  | 98.2  | 106.4 | 109.1 |
| 27.5°  | 619.1  | 537.3  | 291.8 | 95.5  | 65.5  | 73.6  | 68.2  | 81.8  | 79.1  | 84.5  | 84.5  |
| 30°    | 739.1  | 692.7  | 330.0 | 87.3  | 65.5  | 62.7  | 70.9  | 70.9  | 90.0  | 98.2  | 98.2  |
| 32.5°  | 790.9  | 736.3  | 289.1 | 84.5  | 65.5  | 62.7  | 62.7  | 76.4  | 84.5  | 100.9 | 100.9 |
| 35°    | 845.4  | 771.8  | 242.7 | 79.1  | 62.7  | 60.0  | 60.0  | 76.4  | 90.0  | 100.9 | 103.6 |
| 37.5°  | 919.1  | 810.0  | 196.4 | 76.4  | 60.0  | 57.3  | 51.8  | 68.2  | 95.5  | 106.4 | 109.1 |
| 40°    | 1011.8 | 864.5  | 152.7 | 70.9  | 54.5  | 51.8  | 49.1  | 68.2  | 81.8  | 95.5  | 95.5  |
| 42.5°  | 1156.3 | 924.5  | 120.0 | 68.2  | 51.8  | 46.4  | 46.4  | 57.3  | 79.1  | 90.0  | 90.0  |
| 45°    | 1303.6 | 995.4  | 100.9 | 65.5  | 49.1  | 43.6  | 43.6  | 57.3  | 60.0  | 76.4  | 76.4  |
| 47.5°  | 1467.2 | 1066.3 | 92.7  | 62.7  | 49.1  | 38.2  | 38.2  | 51.8  | 51.8  | 70.9  | 73.6  |
| 50°    | 1636.3 | 1126.3 | 87.3  | 60.0  | 43.6  | 35.5  | 43.6  | 35.5  | 43.6  | 68.2  | 73.6  |
| 52.5°  | 1783.6 | 1175.4 | 81.8  | 54.5  | 40.9  | 32.7  | 40.9  | 35.5  | 43.6  | 62.7  | 62.7  |
| 55°    | 1933.6 | 1202.7 | 79.1  | 51.8  | 38.2  | 27.3  | 40.9  | 38.2  | 40.9  | 57.3  | 57.3  |
| 57.5°  | 2067.2 | 1210.9 | 76.4  | 51.8  | 32.7  | 24.5  | 38.2  | 46.4  | 35.5  | 46.4  | 51.8  |
| 60°    | 2187.2 | 1202.7 | 68.2  | 46.4  | 24.5  | 24.5  | 40.9  | 54.5  | 49.1  | 54.5  | 54.5  |
| 62.5°  | 2299.0 | 1172.7 | 54.5  | 38.2  | 19.1  | 24.5  | 51.8  | 60.0  | 46.4  | 57.3  | 62.7  |
| 65°    | 2394.5 | 1131.8 | 40.9  | 30.0  | 13.6  | 27.3  | 54.5  | 68.2  | 54.5  | 65.5  | 70.9  |
| 67.5°  | 2438.1 | 1077.2 | 32.7  | 24.5  | 13.6  | 30.0  | 57.3  | 76.4  | 62.7  | 73.6  | 79.1  |
| 70°    | 2364.5 | 965.4  | 27.3  | 24.5  | 10.9  | 35.5  | 60.0  | 81.8  | 70.9  | 92.7  | 95.5  |
| 72.5°  | 1963.6 | 758.2  | 24.5  | 24.5  | 19.1  | 43.6  | 76.4  | 92.7  | 87.3  | 125.4 | 122.7 |
| 75°    | 1300.9 | 414.5  | 24.5  | 21.8  | 24.5  | 51.8  | 92.7  | 109.1 | 95.5  | 141.8 | 141.8 |
| 77.5°  | 600.0  | 182.7  | 21.8  | 24.5  | 27.3  | 57.3  | 106.4 | 130.9 | 109.1 | 160.9 | 158.2 |
| 80°    | 261.8  | 111.8  | 21.8  | 21.8  | 30.0  | 62.7  | 120.0 | 147.3 | 120.0 | 177.3 | 177.3 |
| 82.5°  | 196.4  | 100.9  | 19.1  | 21.8  | 40.9  | 70.9  | 139.1 | 163.6 | 133.6 | 190.9 | 188.2 |
| 85°    | 182.7  | 95.5   | 21.8  | 24.5  | 46.4  | 90.0  | 163.6 | 177.3 | 139.1 | 196.4 | 196.4 |
| 87.5°  | 185.4  | 92.7   | 21.8  | 24.5  | 62.7  | 114.5 | 185.4 | 190.9 | 152.7 | 207.3 | 207.3 |
| 90°    | 190.9  | 95.5   | 24.5  | 27.3  | 70.9  | 125.4 | 207.3 | 204.5 | 171.8 | 218.2 | 218.2 |
| 92.5°  | 204.5  | 95.5   | 27.3  | 30.0  | 76.4  | 139.1 | 226.4 | 210.0 | 185.4 | 226.4 | 220.9 |
| 95°    | 212.7  | 95.5   | 30.0  | 32.7  | 90.0  | 152.7 | 240.0 | 204.5 | 196.4 | 210.0 | 204.5 |
| 97.5°  | 158.2  | 70.9   | 35.5  | 38.2  | 92.7  | 171.8 | 220.9 | 174.5 | 128.2 | 125.4 | 128.2 |
| 100°   | 51.8   | 24.5   | 38.2  | 40.9  | 60.0  | 120.0 | 163.6 | 125.4 | 68.2  | 51.8  | 51.8  |
| 102.5° | 13.6   | 13.6   | 35.5  | 38.2  | 32.7  | 51.8  | 95.5  | 81.8  | 46.4  | 2.7   | 5.5   |
| 105°   | 13.6   | 10.9   | 21.8  | 30.0  | 19.1  | 13.6  | 38.2  | 46.4  | 35.5  | 2.7   | 2.7   |
| 107.5° | 13.6   | 10.9   | 10.9  | 16.4  | 5.5   | 5.5   | 10.9  | 10.9  | 10.9  | 2.7   | 2.7   |
| 110°   | 13.6   | 10.9   | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   | 2.7   | 2.7   | 5.5   | 5.5   |



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CATALOG NUMBER: SDL-PA1-90-827-U-T4W-HSS-A

**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 16.4 | 10.9 | 5.5  | 5.5  | 5.5  | 2.7  | 2.7  | 2.7  | 2.7  | 8.2  | 10.9 |
| 115°   | 13.6 | 10.9 | 2.7  | 5.5  | 2.7  | 2.7  | 2.7  | 2.7  | 5.5  | 10.9 | 13.6 |
| 117.5° | 13.6 | 10.9 | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 5.5  | 13.6 | 16.4 |
| 120°   | 16.4 | 13.6 | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 5.5  | 16.4 | 16.4 |
| 122.5° | 16.4 | 13.6 | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 2.7  | 8.2  | 16.4 | 16.4 |
| 125°   | 16.4 | 13.6 | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 2.7  | 8.2  | 16.4 | 19.1 |
| 127.5° | 13.6 | 10.9 | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 2.7  | 5.5  | 13.6 | 16.4 |
| 130°   | 10.9 | 8.2  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 5.5  | 13.6 | 13.6 |
| 132.5° | 8.2  | 5.5  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 5.5  | 10.9 | 10.9 |
| 135°   | 5.5  | 5.5  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 2.7  | 8.2  | 8.2  |
| 137.5° | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 2.7  | 2.7  | 2.7  |
| 140°   | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 5.5  | 5.5  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 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  |

(END OF REPORT)