

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: P561004

Luminaire Tested: **SDL-PA1-70-830-U-T3-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561004  
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-PA1-70-830-U-T3-A  
Description: Springdale  
(1) 80 CRI, 3000K, 930mA 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: 6323.5 lumens  
Efficiency: N/A  
Efficacy: 87.6 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): 72.2  
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: 24 FT

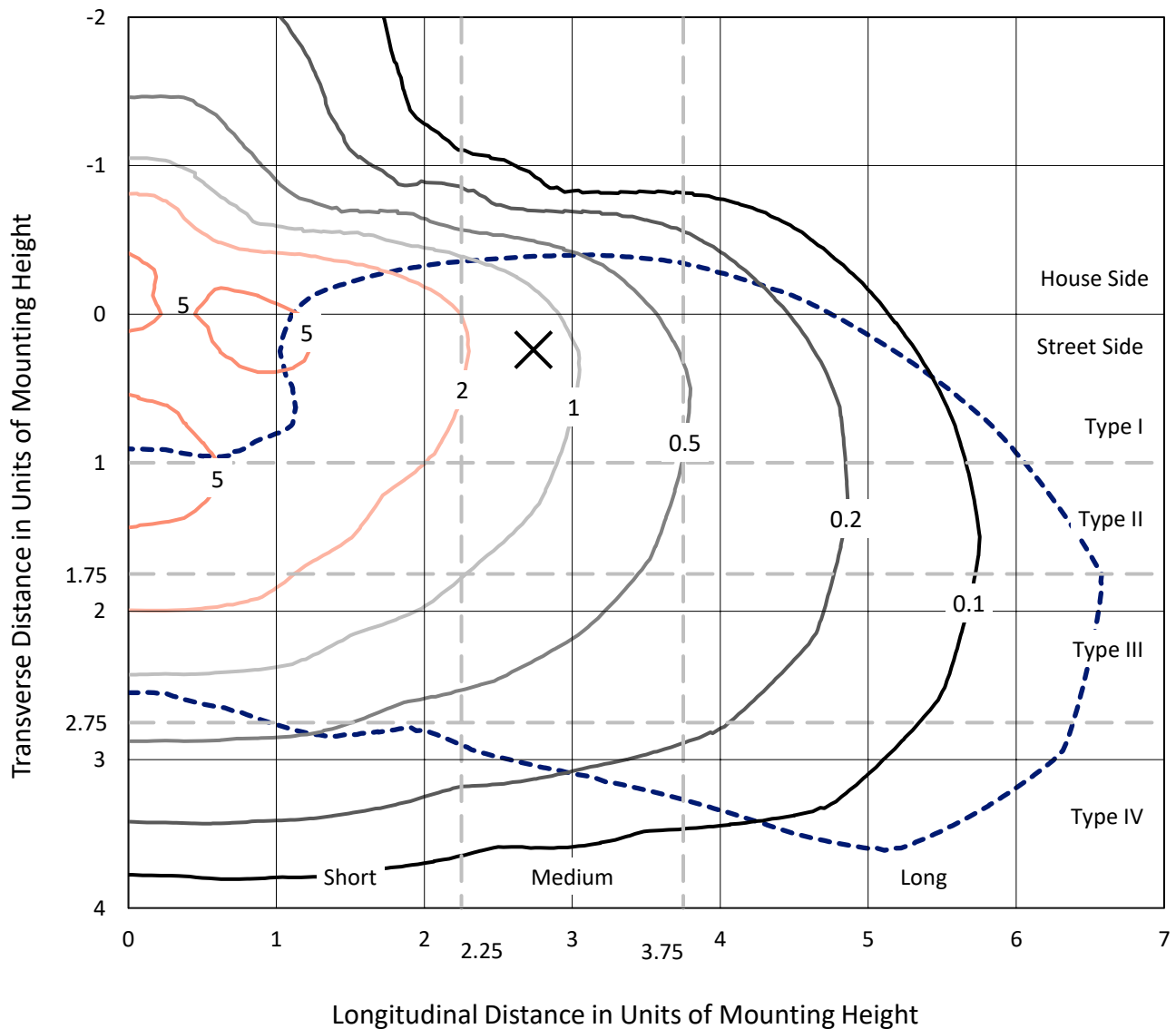


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

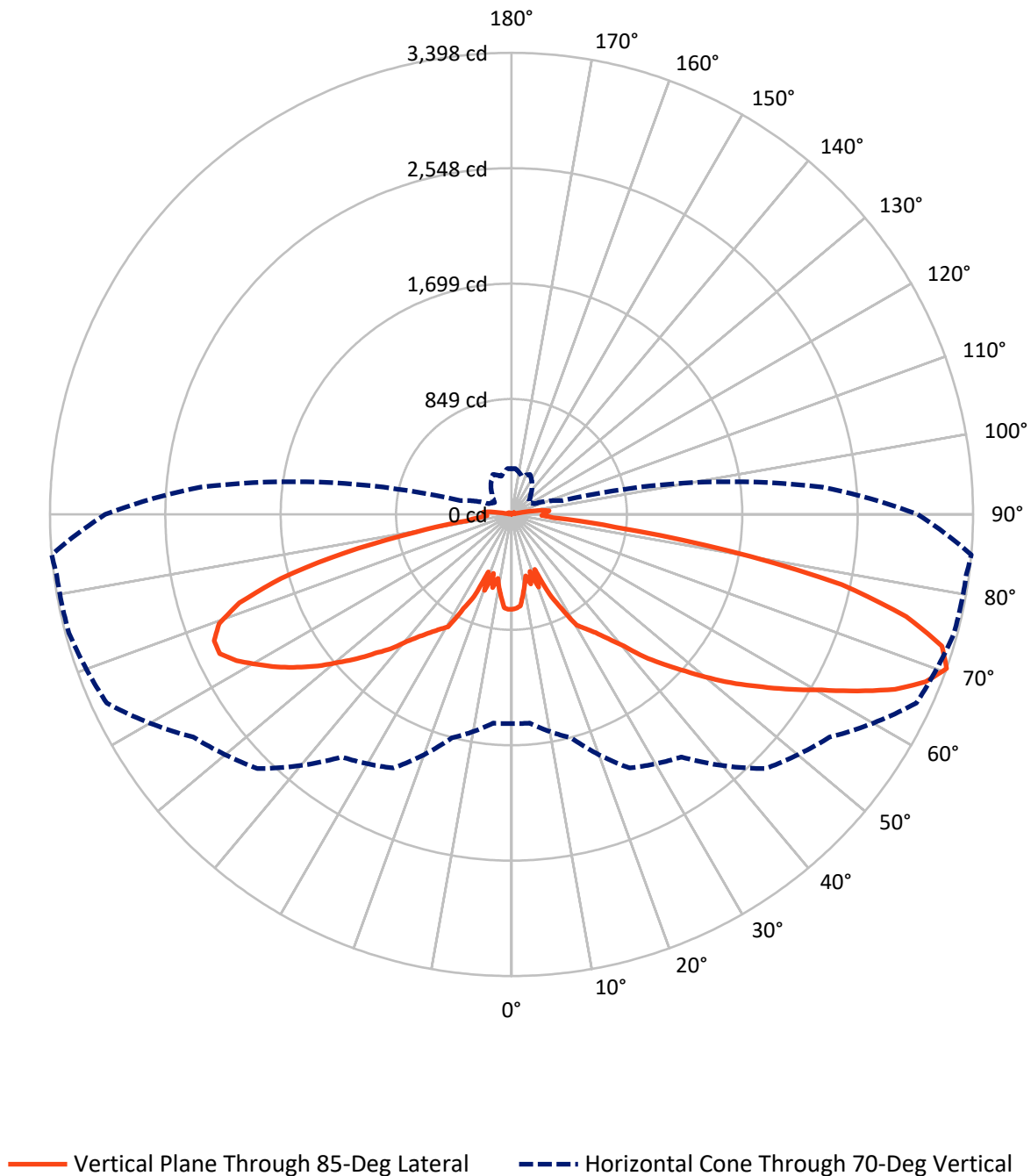


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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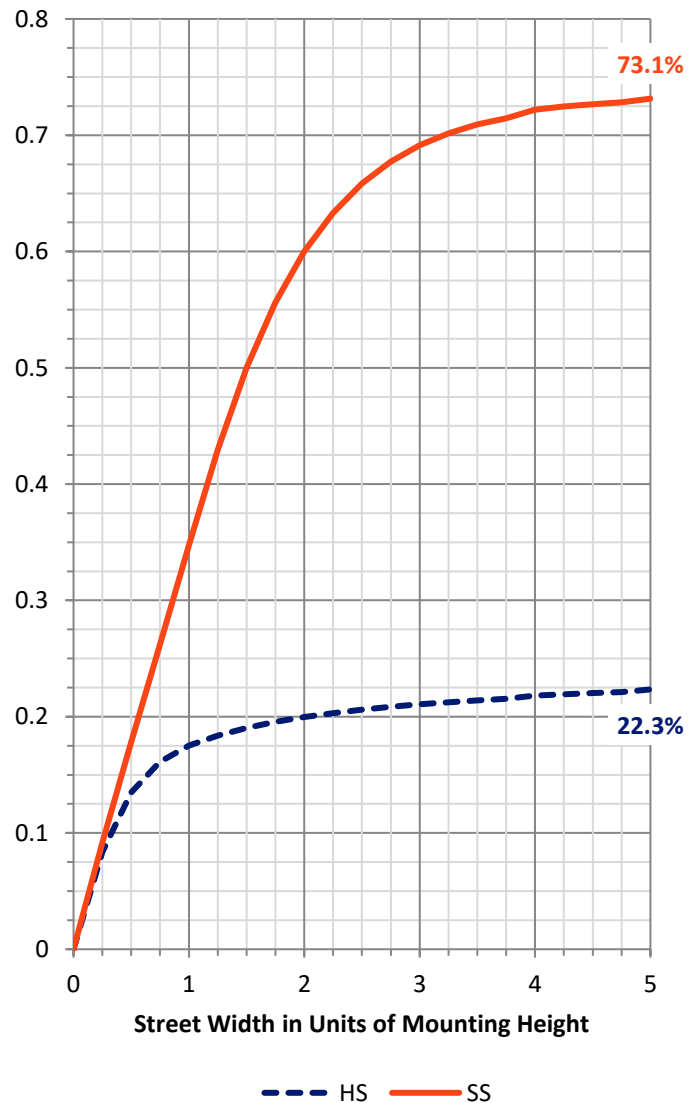
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1486.7   | 95.8   | 1582.5 |
|                    | % Fixture | 23.5     | 1.5    | 25.0   |
| <b>Street Side</b> | Lumens    | 4660.0   | 81.0   | 4741.0 |
|                    | % Fixture | 73.7     | 1.3    | 75.0   |
| <b>Total</b>       | Lumens    | 6146.7   | 176.8  | 6323.5 |
|                    | % Fixture | 97.2     | 2.8    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 57.0   | 0.9       |
| 10°-20°   | 139.5  | 2.2       |
| 20°-30°   | 254.1  | 4.0       |
| 30°-40°   | 480.4  | 7.6       |
| 40°-50°   | 802.9  | 12.7      |
| 50°-60°   | 1253.1 | 19.8      |
| 60°-70°   | 1554.0 | 24.6      |
| 70°-80°   | 1269.6 | 20.1      |
| 80°-90°   | 336.0  | 5.3       |
| 90°-100°  | 127.6  | 2.0       |
| 100°-110° | 27.2   | 0.4       |
| 110°-120° | 8.8    | 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°    | 6146.7 | 97.2      |
| 0°-180°   | 6323.5 | 100.0     |

**Coefficient of Utilization**



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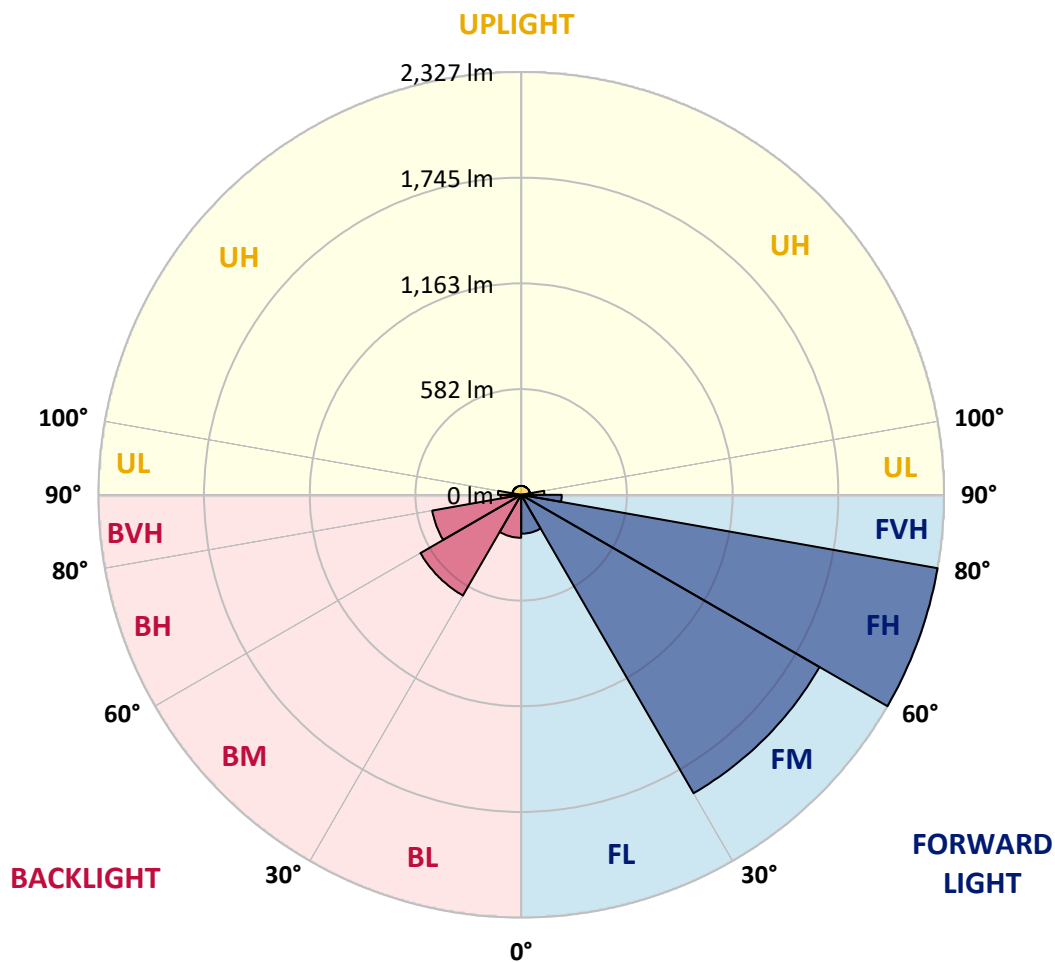
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 214.2  | 3.4       |                         |        |         |
| FM   | (30°-60°)   | 1896.0 | 30.0      |                         |        |         |
| FH   | (60°-80°)   | 2326.9 | 36.8      |                         |        | G2/5000 |
| FVH  | (80°-90°)   | 222.9  | 3.5       |                         |        | G2/225  |
| BL   | (0°-30°)    | 236.5  | 3.7       | B1/500                  |        |         |
| BM   | (30°-60°)   | 640.4  | 10.1      | B1/1000                 |        |         |
| BH   | (60°-80°)   | 496.7  | 7.9       | B1/500                  |        | G1/500  |
| BVH  | (80°-90°)   | 113.1  | 1.8       |                         |        | G2/225  |
| UL   | (90°-100°)  | 127.6  | 2.0       |                         | U3/500 |         |
| UH   | (100°-180°) | 49.2   | 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°    | 55°    | 65°    | 75°    | 82.5°  | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 698.6  | 698.6  | 698.6  | 698.6  | 698.6  | 698.6  | 698.6  | 698.6  | 698.6  | 698.6  | 698.6  |
| 2.5°   | 578.5  | 634.9  | 625.1  | 642.3  | 652.1  | 666.8  | 676.6  | 681.5  | 686.4  | 691.3  | 691.3  |
| 5°     | 536.8  | 539.3  | 541.7  | 544.2  | 549.1  | 556.5  | 563.8  | 642.3  | 666.8  | 676.6  | 676.6  |
| 7.5°   | 490.3  | 487.8  | 497.6  | 509.9  | 527.0  | 536.8  | 544.2  | 546.7  | 573.6  | 595.7  | 600.6  |
| 10°    | 487.8  | 490.3  | 490.3  | 495.2  | 465.8  | 463.3  | 429.0  | 431.4  | 468.2  | 524.6  | 527.0  |
| 12.5°  | 424.1  | 436.3  | 463.3  | 482.9  | 453.5  | 406.9  | 399.6  | 419.2  | 392.2  | 460.9  | 463.3  |
| 15°    | 473.1  | 470.7  | 470.7  | 451.0  | 382.4  | 402.0  | 357.9  | 372.6  | 456.0  | 519.7  | 531.9  |
| 17.5°  | 411.8  | 406.9  | 456.0  | 441.2  | 397.1  | 335.8  | 402.0  | 397.1  | 411.8  | 448.6  | 441.2  |
| 20°    | 517.2  | 512.3  | 502.5  | 382.4  | 402.0  | 421.6  | 409.4  | 382.4  | 482.9  | 539.3  | 571.2  |
| 22.5°  | 482.9  | 487.8  | 512.3  | 485.4  | 414.3  | 433.9  | 387.3  | 470.7  | 456.0  | 433.9  | 438.8  |
| 25°    | 659.4  | 654.5  | 630.0  | 475.6  | 495.2  | 404.5  | 473.1  | 419.2  | 578.5  | 642.3  | 647.2  |
| 27.5°  | 607.9  | 600.6  | 583.4  | 598.1  | 502.5  | 529.5  | 460.9  | 549.1  | 639.8  | 752.6  | 786.9  |
| 30°    | 806.5  | 799.1  | 779.5  | 603.0  | 598.1  | 524.6  | 558.9  | 674.1  | 862.9  | 948.7  | 946.2  |
| 32.5°  | 1039.4 | 985.4  | 865.3  | 772.2  | 639.8  | 681.5  | 639.8  | 794.2  | 919.3  | 1002.6 | 1002.6 |
| 35°    | 1181.6 | 1171.7 | 1108.0 | 897.2  | 745.2  | 742.8  | 735.4  | 875.1  | 1014.9 | 1073.7 | 1068.8 |
| 37.5°  | 1301.7 | 1318.8 | 1272.3 | 1039.4 | 840.8  | 860.4  | 823.7  | 985.4  | 1132.5 | 1166.8 | 1161.9 |
| 40°    | 1468.4 | 1463.5 | 1438.9 | 1161.9 | 958.5  | 956.0  | 929.1  | 1117.8 | 1262.4 | 1287.0 | 1274.7 |
| 42.5°  | 1715.9 | 1689.0 | 1615.4 | 1326.2 | 1083.5 | 1083.5 | 1034.5 | 1242.8 | 1421.8 | 1424.2 | 1431.6 |
| 45°    | 2019.9 | 2007.7 | 1877.7 | 1581.1 | 1245.3 | 1242.8 | 1161.9 | 1375.2 | 1583.6 | 1595.8 | 1573.8 |
| 47.5°  | 2230.7 | 2194.0 | 2130.2 | 1814.0 | 1495.3 | 1438.9 | 1316.4 | 1505.1 | 1777.2 | 1767.4 | 1723.3 |
| 50°    | 2439.1 | 2409.7 | 2350.8 | 2068.9 | 1755.2 | 1642.4 | 1461.0 | 1640.0 | 1963.5 | 1936.6 | 1894.9 |
| 52.5°  | 2618.0 | 2578.8 | 2515.1 | 2277.3 | 1983.1 | 1894.9 | 1627.7 | 1762.5 | 2152.3 | 2108.2 | 2068.9 |
| 55°    | 2721.0 | 2640.1 | 2645.0 | 2463.6 | 2154.7 | 2083.6 | 1814.0 | 1961.1 | 2336.1 | 2272.4 | 2240.5 |
| 57.5°  | 2593.5 | 2588.6 | 2669.5 | 2578.8 | 2311.6 | 2240.5 | 2012.6 | 2159.6 | 2527.3 | 2444.0 | 2429.3 |
| 60°    | 2466.1 | 2480.8 | 2596.0 | 2613.1 | 2434.2 | 2382.7 | 2184.2 | 2441.5 | 2713.6 | 2622.9 | 2622.9 |
| 62.5°  | 2289.6 | 2331.2 | 2493.0 | 2625.4 | 2446.4 | 2522.4 | 2363.1 | 2681.8 | 2917.1 | 2833.8 | 2860.7 |
| 65°    | 2088.5 | 2088.5 | 2274.9 | 2524.9 | 2407.2 | 2615.6 | 2561.7 | 2944.1 | 3096.1 | 3047.0 | 3103.4 |
| 67.5°  | 1814.0 | 1818.9 | 2012.6 | 2328.8 | 2336.1 | 2662.2 | 2721.0 | 3150.0 | 3282.4 | 3245.6 | 3287.3 |
| 70°    | 1539.4 | 1541.9 | 1703.7 | 2059.1 | 2179.2 | 2645.0 | 2858.3 | 3287.3 | 3373.1 | 3378.0 | 3397.6 |
| 72.5°  | 1152.1 | 1193.8 | 1345.8 | 1671.8 | 1907.1 | 2573.9 | 2929.4 | 3326.5 | 3370.6 | 3378.0 | 3314.2 |
| 75°    | 620.2  | 639.8  | 808.9  | 1088.4 | 1416.9 | 2282.2 | 2907.3 | 3284.8 | 3252.9 | 3167.1 | 3000.5 |
| 77.5°  | 215.7  | 225.5  | 284.4  | 475.6  | 804.0  | 1615.4 | 2696.5 | 3103.4 | 3000.5 | 2730.8 | 2485.7 |
| 80°    | 139.7  | 139.7  | 154.4  | 228.0  | 365.3  | 764.8  | 2093.5 | 2659.7 | 2417.0 | 1841.0 | 1613.0 |
| 82.5°  | 98.1   | 100.5  | 112.8  | 152.0  | 235.3  | 328.5  | 1088.4 | 1350.7 | 1331.1 | 916.8  | 772.2  |
| 85°    | 71.1   | 73.5   | 78.4   | 88.2   | 161.8  | 203.5  | 424.1  | 649.6  | 600.6  | 328.5  | 308.9  |
| 87.5°  | 31.9   | 36.8   | 31.9   | 39.2   | 63.7   | 125.0  | 203.5  | 201.0  | 191.2  | 218.2  | 223.1  |
| 90°    | 24.5   | 24.5   | 19.6   | 22.1   | 44.1   | 112.8  | 188.8  | 181.4  | 193.7  | 237.8  | 235.3  |
| 92.5°  | 24.5   | 24.5   | 19.6   | 22.1   | 41.7   | 112.8  | 198.6  | 176.5  | 201.0  | 254.9  | 257.4  |
| 95°    | 24.5   | 27.0   | 19.6   | 19.6   | 34.3   | 115.2  | 210.8  | 188.8  | 213.3  | 277.0  | 277.0  |
| 97.5°  | 22.1   | 22.1   | 14.7   | 17.2   | 27.0   | 105.4  | 210.8  | 161.8  | 156.9  | 223.1  | 220.6  |
| 100°   | 17.2   | 19.6   | 9.8    | 14.7   | 19.6   | 63.7   | 156.9  | 100.5  | 44.1   | 51.5   | 78.4   |
| 102.5° | 17.2   | 17.2   | 9.8    | 12.3   | 14.7   | 27.0   | 83.3   | 58.8   | 12.3   | 17.2   | 17.2   |
| 105°   | 17.2   | 19.6   | 9.8    | 9.8    | 9.8    | 12.3   | 39.2   | 29.4   | 9.8    | 14.7   | 17.2   |
| 107.5° | 19.6   | 19.6   | 7.4    | 7.4    | 7.4    | 7.4    | 14.7   | 12.3   | 9.8    | 17.2   | 19.6   |
| 110°   | 19.6   | 19.6   | 7.4    | 7.4    | 4.9    | 4.9    | 7.4    | 7.4    | 9.8    | 17.2   | 19.6   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15° | 25° | 35° | 45° | 55° | 65° | 75°  | 82.5° | 85°  |
|--------|------|------|-----|-----|-----|-----|-----|-----|------|-------|------|
| 112.5° | 17.2 | 17.2 | 7.4 | 7.4 | 4.9 | 4.9 | 4.9 | 7.4 | 9.8  | 14.7  | 17.2 |
| 115°   | 12.3 | 12.3 | 4.9 | 7.4 | 4.9 | 4.9 | 4.9 | 7.4 | 7.4  | 12.3  | 14.7 |
| 117.5° | 12.3 | 9.8  | 4.9 | 4.9 | 2.5 | 4.9 | 4.9 | 7.4 | 9.8  | 17.2  | 17.2 |
| 120°   | 12.3 | 12.3 | 4.9 | 2.5 | 2.5 | 2.5 | 2.5 | 4.9 | 12.3 | 19.6  | 22.1 |
| 122.5° | 12.3 | 12.3 | 4.9 | 2.5 | 2.5 | 2.5 | 2.5 | 4.9 | 12.3 | 19.6  | 22.1 |
| 125°   | 14.7 | 12.3 | 7.4 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 9.8  | 17.2  | 19.6 |
| 127.5° | 12.3 | 12.3 | 7.4 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 7.4  | 14.7  | 17.2 |
| 130°   | 12.3 | 12.3 | 7.4 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 7.4  | 12.3  | 12.3 |
| 132.5° | 9.8  | 9.8  | 7.4 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.9  | 9.8   | 9.8  |
| 135°   | 9.8  | 9.8  | 4.9 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5  | 7.4   | 7.4  |
| 137.5° | 4.9  | 4.9  | 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 | 4.9 | 4.9 | 2.5 | 2.5 | 2.5 | 2.5  | 2.5   | 2.5  |
| 150°   | 7.4  | 7.4  | 7.4 | 4.9 | 4.9 | 2.5 | 4.9 | 2.5 | 2.5  | 2.5   | 2.5  |
| 152.5° | 7.4  | 7.4  | 9.8 | 4.9 | 2.5 | 2.5 | 2.5 | 4.9 | 2.5  | 2.5   | 2.5  |
| 155°   | 4.9  | 4.9  | 4.9 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.9  | 4.9   | 7.4  |
| 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  |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°    | 105°   | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 698.6  | 698.6  | 698.6  | 698.6 | 698.6 | 698.6 | 698.6 | 698.6 | 698.6 | 698.6 | 698.6 |
| 2.5°   | 693.7  | 698.6  | 701.1  | 708.4 | 708.4 | 708.4 | 691.3 | 649.6 | 649.6 | 652.1 | 654.5 |
| 5°     | 683.9  | 688.8  | 698.6  | 664.3 | 630.0 | 627.5 | 639.8 | 647.2 | 649.6 | 652.1 | 647.2 |
| 7.5°   | 605.5  | 615.3  | 610.4  | 612.8 | 630.0 | 647.2 | 661.9 | 652.1 | 627.5 | 610.4 | 615.3 |
| 10°    | 539.3  | 549.1  | 495.2  | 500.1 | 519.7 | 568.7 | 649.6 | 676.6 | 693.7 | 701.1 | 701.1 |
| 12.5°  | 473.1  | 480.5  | 433.9  | 502.5 | 468.2 | 544.2 | 632.4 | 698.6 | 632.4 | 605.5 | 605.5 |
| 15°    | 541.7  | 556.5  | 500.1  | 446.1 | 456.0 | 551.6 | 485.4 | 666.8 | 686.4 | 691.3 | 696.2 |
| 17.5°  | 463.3  | 453.5  | 463.3  | 470.7 | 512.3 | 429.0 | 556.5 | 627.5 | 588.3 | 573.6 | 581.0 |
| 20°    | 583.4  | 593.2  | 541.7  | 463.3 | 468.2 | 546.7 | 495.2 | 561.4 | 669.2 | 671.7 | 676.6 |
| 22.5°  | 443.7  | 456.0  | 485.4  | 551.6 | 482.9 | 529.5 | 522.1 | 583.4 | 546.7 | 549.1 | 568.7 |
| 25°    | 652.1  | 661.9  | 610.4  | 492.7 | 527.0 | 478.0 | 527.0 | 519.7 | 612.8 | 617.7 | 617.7 |
| 27.5°  | 799.1  | 777.1  | 666.8  | 556.5 | 463.3 | 505.0 | 475.6 | 495.2 | 473.1 | 539.3 | 549.1 |
| 30°    | 951.1  | 951.1  | 865.3  | 620.2 | 490.3 | 429.0 | 433.9 | 470.7 | 524.6 | 534.4 | 534.4 |
| 32.5°  | 997.7  | 995.2  | 884.9  | 671.7 | 482.9 | 443.7 | 399.6 | 443.7 | 536.8 | 583.4 | 588.3 |
| 35°    | 1063.9 | 1054.1 | 919.3  | 654.5 | 465.8 | 404.5 | 377.5 | 446.1 | 514.8 | 522.1 | 517.2 |
| 37.5°  | 1147.2 | 1122.7 | 960.9  | 622.6 | 426.5 | 380.0 | 362.8 | 402.0 | 460.9 | 460.9 | 460.9 |
| 40°    | 1250.2 | 1211.0 | 975.6  | 578.5 | 384.9 | 348.1 | 330.9 | 372.6 | 411.8 | 389.8 | 382.4 |
| 42.5°  | 1389.9 | 1331.1 | 987.9  | 546.7 | 348.1 | 321.1 | 299.1 | 338.3 | 357.9 | 345.6 | 340.7 |
| 45°    | 1519.8 | 1431.6 | 1007.5 | 512.3 | 318.7 | 296.6 | 277.0 | 311.3 | 326.0 | 313.8 | 311.3 |
| 47.5°  | 1674.3 | 1556.6 | 1010.0 | 480.5 | 296.6 | 277.0 | 262.3 | 291.7 | 301.5 | 301.5 | 299.1 |
| 50°    | 1833.6 | 1676.7 | 1029.6 | 453.5 | 274.6 | 257.4 | 254.9 | 277.0 | 284.4 | 279.5 | 277.0 |
| 52.5°  | 2015.0 | 1811.5 | 1036.9 | 419.2 | 247.6 | 235.3 | 247.6 | 262.3 | 284.4 | 286.8 | 286.8 |
| 55°    | 2208.7 | 1936.6 | 1032.0 | 372.6 | 228.0 | 223.1 | 240.2 | 272.1 | 291.7 | 277.0 | 274.6 |
| 57.5°  | 2397.4 | 2061.6 | 1034.5 | 321.1 | 208.4 | 218.2 | 242.7 | 284.4 | 299.1 | 281.9 | 274.6 |
| 60°    | 2566.6 | 2174.3 | 1000.2 | 274.6 | 193.7 | 205.9 | 252.5 | 296.6 | 291.7 | 296.6 | 289.3 |
| 62.5°  | 2774.9 | 2292.0 | 902.1  | 245.1 | 181.4 | 201.0 | 252.5 | 304.0 | 284.4 | 304.0 | 304.0 |
| 65°    | 2946.5 | 2380.3 | 762.4  | 220.6 | 171.6 | 201.0 | 254.9 | 306.4 | 277.0 | 308.9 | 308.9 |
| 67.5°  | 3020.1 | 2377.8 | 551.6  | 201.0 | 159.3 | 196.1 | 254.9 | 316.2 | 284.4 | 318.7 | 316.2 |
| 70°    | 2990.6 | 2296.9 | 389.8  | 186.3 | 152.0 | 198.6 | 264.7 | 323.6 | 291.7 | 338.3 | 335.8 |
| 72.5°  | 2792.1 | 2105.7 | 281.9  | 174.0 | 142.2 | 188.8 | 272.1 | 333.4 | 299.1 | 367.7 | 367.7 |
| 75°    | 2458.7 | 1760.1 | 228.0  | 161.8 | 132.4 | 186.3 | 274.6 | 338.3 | 304.0 | 372.6 | 372.6 |
| 77.5°  | 1880.2 | 1264.9 | 191.2  | 149.5 | 122.6 | 181.4 | 272.1 | 345.6 | 301.5 | 372.6 | 372.6 |
| 80°    | 1127.6 | 720.7  | 159.3  | 134.8 | 125.0 | 178.9 | 277.0 | 345.6 | 301.5 | 367.7 | 367.7 |
| 82.5°  | 519.7  | 330.9  | 142.2  | 112.8 | 117.7 | 176.5 | 281.9 | 340.7 | 289.3 | 367.7 | 353.0 |
| 85°    | 289.3  | 232.9  | 122.6  | 95.6  | 105.4 | 166.7 | 267.2 | 306.4 | 259.8 | 304.0 | 299.1 |
| 87.5°  | 215.7  | 181.4  | 78.4   | 49.0  | 68.6  | 117.7 | 205.9 | 242.7 | 196.1 | 235.3 | 232.9 |
| 90°    | 230.4  | 191.2  | 71.1   | 49.0  | 73.5  | 107.9 | 193.7 | 215.7 | 181.4 | 218.2 | 215.7 |
| 92.5°  | 247.6  | 201.0  | 71.1   | 51.5  | 83.3  | 117.7 | 193.7 | 210.8 | 178.9 | 198.6 | 201.0 |
| 95°    | 259.8  | 208.4  | 68.6   | 56.4  | 88.2  | 127.5 | 188.8 | 193.7 | 164.2 | 171.6 | 178.9 |
| 97.5°  | 203.5  | 156.9  | 61.3   | 58.8  | 85.8  | 103.0 | 154.4 | 152.0 | 112.8 | 105.4 | 105.4 |
| 100°   | 63.7   | 44.1   | 53.9   | 61.3  | 51.5  | 49.0  | 90.7  | 107.9 | 66.2  | 44.1  | 41.7  |
| 102.5° | 19.6   | 17.2   | 49.0   | 58.8  | 39.2  | 22.1  | 49.0  | 68.6  | 49.0  | 7.4   | 9.8   |
| 105°   | 19.6   | 19.6   | 31.9   | 49.0  | 27.0  | 9.8   | 19.6  | 36.8  | 29.4  | 7.4   | 7.4   |
| 107.5° | 19.6   | 17.2   | 12.3   | 27.0  | 9.8   | 7.4   | 9.8   | 9.8   | 9.8   | 7.4   | 7.4   |
| 110°   | 19.6   | 19.6   | 9.8    | 9.8   | 7.4   | 7.4   | 7.4   | 4.9   | 4.9   | 12.3  | 12.3  |

REPORT NUMBER: P561004

CATALOG NUMBER: SDL-PA1-70-830-U-T3-A

**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 19.6 | 19.6 | 9.8  | 9.8  | 7.4  | 7.4  | 4.9  | 4.9  | 7.4  | 17.2 | 17.2 |
| 115°   | 17.2 | 17.2 | 9.8  | 7.4  | 4.9  | 7.4  | 4.9  | 4.9  | 7.4  | 19.6 | 19.6 |
| 117.5° | 19.6 | 19.6 | 9.8  | 7.4  | 4.9  | 4.9  | 4.9  | 2.5  | 7.4  | 22.1 | 24.5 |
| 120°   | 24.5 | 22.1 | 12.3 | 4.9  | 4.9  | 4.9  | 4.9  | 4.9  | 9.8  | 19.6 | 22.1 |
| 122.5° | 24.5 | 24.5 | 12.3 | 4.9  | 2.5  | 2.5  | 2.5  | 4.9  | 9.8  | 19.6 | 22.1 |
| 125°   | 22.1 | 22.1 | 12.3 | 4.9  | 2.5  | 2.5  | 2.5  | 2.5  | 9.8  | 17.2 | 17.2 |
| 127.5° | 19.6 | 19.6 | 9.8  | 4.9  | 2.5  | 2.5  | 2.5  | 2.5  | 7.4  | 14.7 | 17.2 |
| 130°   | 14.7 | 14.7 | 7.4  | 4.9  | 2.5  | 2.5  | 2.5  | 2.5  | 7.4  | 12.3 | 14.7 |
| 132.5° | 12.3 | 12.3 | 7.4  | 4.9  | 2.5  | 2.5  | 2.5  | 2.5  | 7.4  | 9.8  | 12.3 |
| 135°   | 7.4  | 7.4  | 4.9  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 4.9  | 7.4  | 9.8  |
| 137.5° | 4.9  | 4.9  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 4.9  | 4.9  |
| 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  | 4.9  | 4.9  | 7.4  | 4.9  |
| 152.5° | 2.5  | 2.5  | 2.5  | 4.9  | 2.5  | 0.0  | 0.0  | 4.9  | 4.9  | 7.4  | 7.4  |
| 155°   | 7.4  | 7.4  | 4.9  | 2.5  | 2.5  | 0.0  | 0.0  | 0.0  | 4.9  | 4.9  | 4.9  |
| 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  |

(END OF REPORT)