

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: P561181

Luminaire Tested: **SDL-PA1-80-830-U-T3-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561181  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-80-830-U-T3-HSS-A  
Description: Springdale  
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,  
HOUSE SIDE SHIELD AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5171.1 lumens  
Efficiency: N/A  
Efficacy: 63.1 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): 82  
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

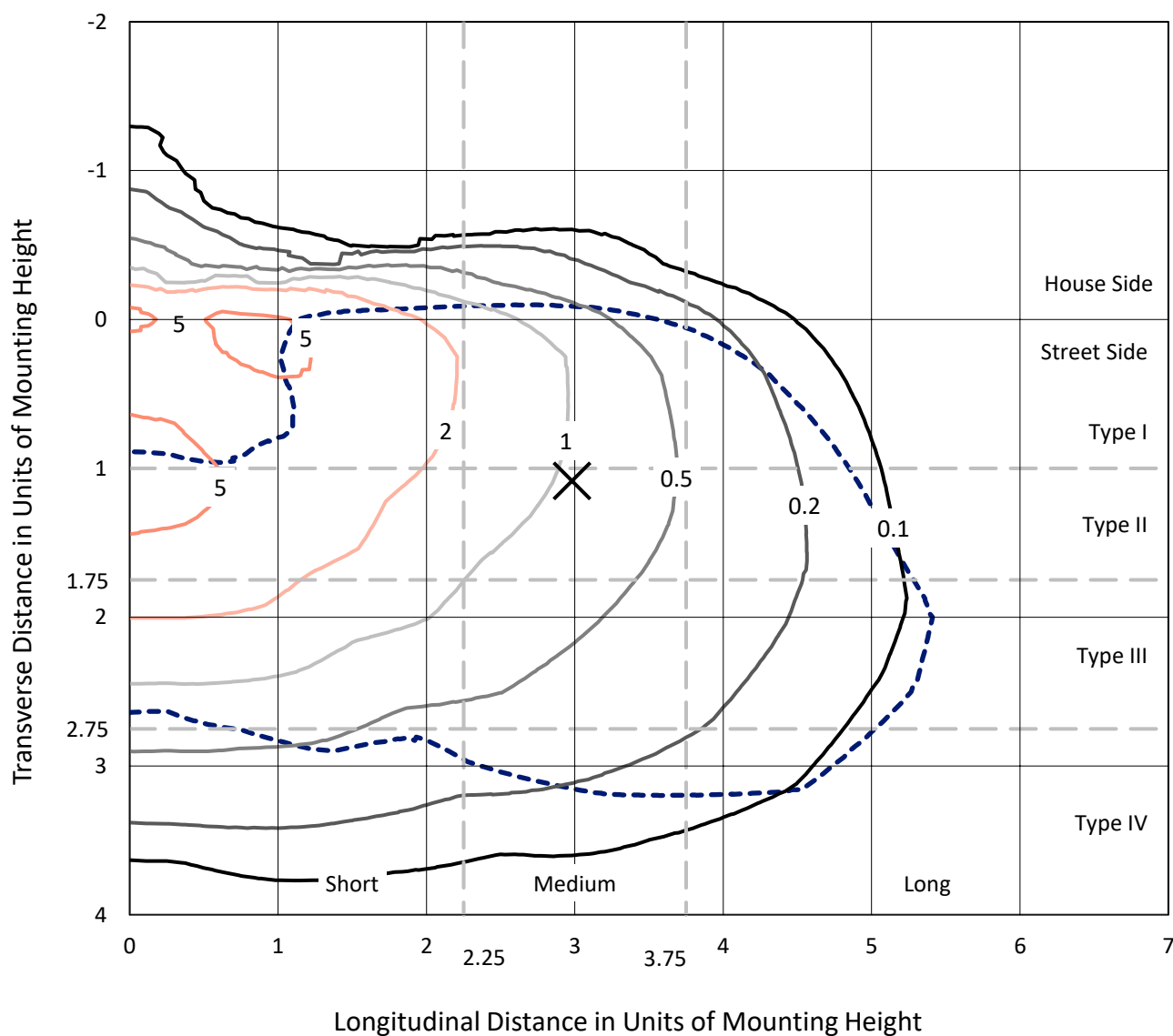


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## Iso-Footcandle Lines of Horizontal Illumination

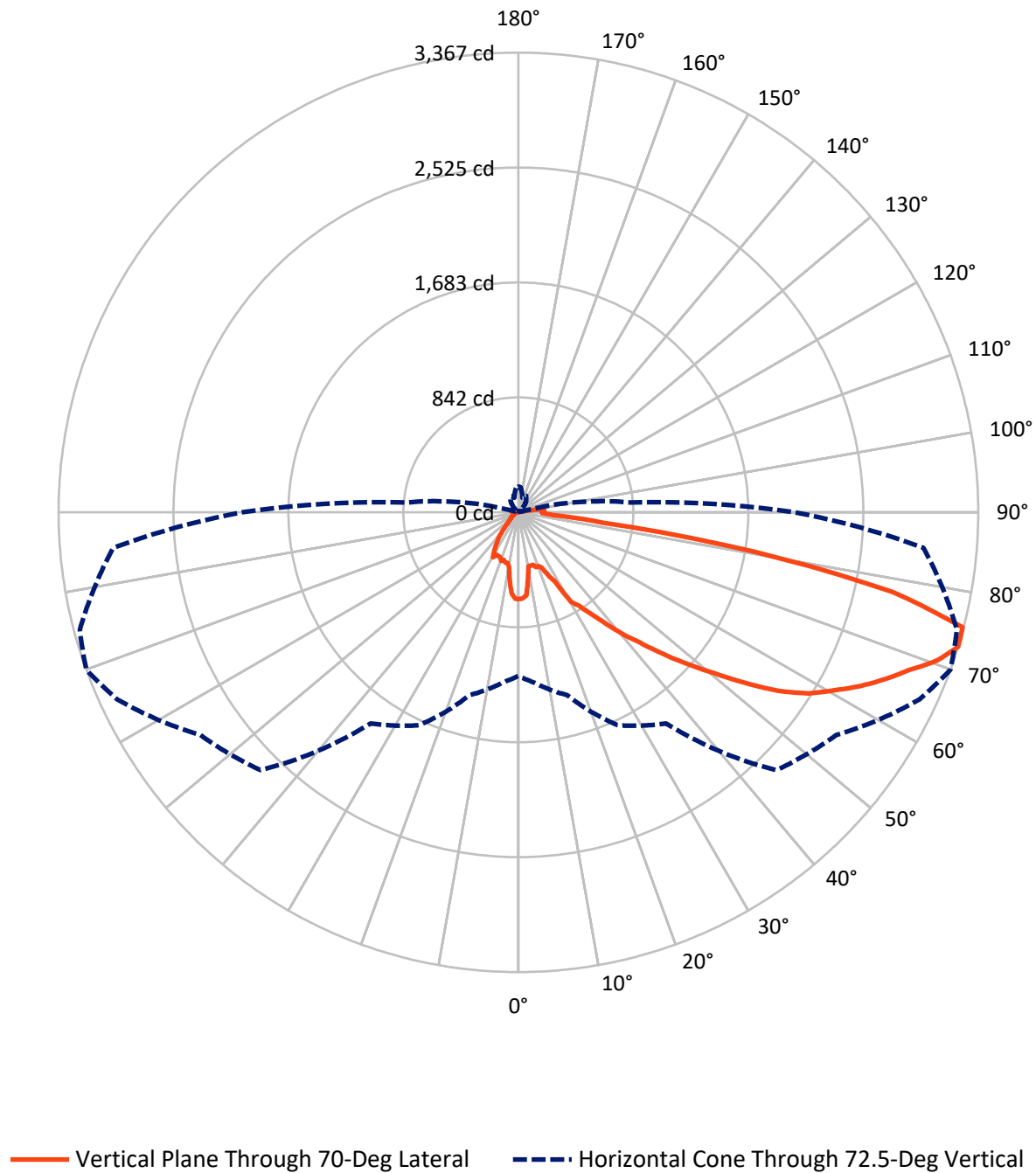
× Max cd  
 - - - 1/2 Max cd



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

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## Luminous Intensity Polar Plot



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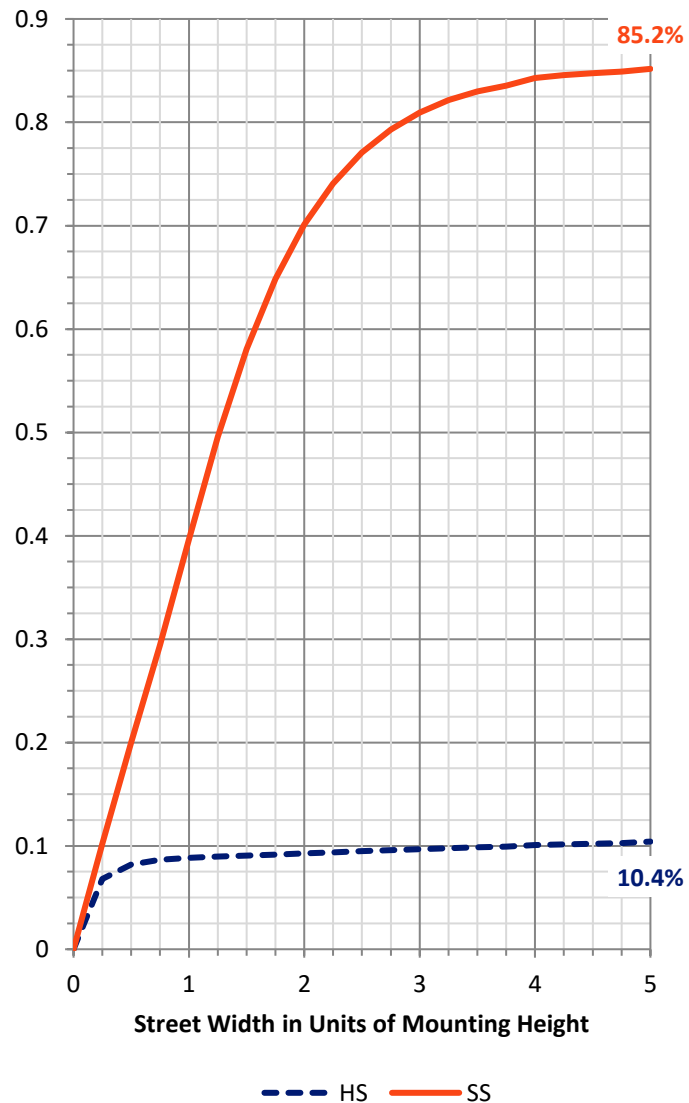
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 592.7    | 83.4   | 676.2  |
|                    | % Fixture | 11.5     | 1.6    | 13.1   |
| <b>Street Side</b> | Lumens    | 4427.4   | 67.5   | 4494.9 |
|                    | % Fixture | 85.6     | 1.3    | 86.9   |
| <b>Total</b>       | Lumens    | 5020.2   | 150.9  | 5171.1 |
|                    | % Fixture | 97.1     | 2.9    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 49.0   | 0.9       |
| 10°-20°   | 96.9   | 1.9       |
| 20°-30°   | 156.8  | 3.0       |
| 30°-40°   | 335.2  | 6.5       |
| 40°-50°   | 658.9  | 12.7      |
| 50°-60°   | 1100.3 | 21.3      |
| 60°-70°   | 1365.6 | 26.4      |
| 70°-80°   | 1051.7 | 20.3      |
| 80°-90°   | 205.7  | 4.0       |
| 90°-100°  | 111.6  | 2.2       |
| 100°-110° | 23.1   | 0.4       |
| 110°-120° | 6.6    | 0.1       |
| 120°-130° | 5.1    | 0.1       |
| 130°-140° | 2.4    | 0.0       |
| 140°-150° | 1.1    | 0.0       |
| 150°-160° | 1.0    | 0.0       |
| 160°-170° | 0.1    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 5020.2 | 97.1      |
| 0°-180°   | 5171.1 | 100.0     |

**Coefficient of Utilization**



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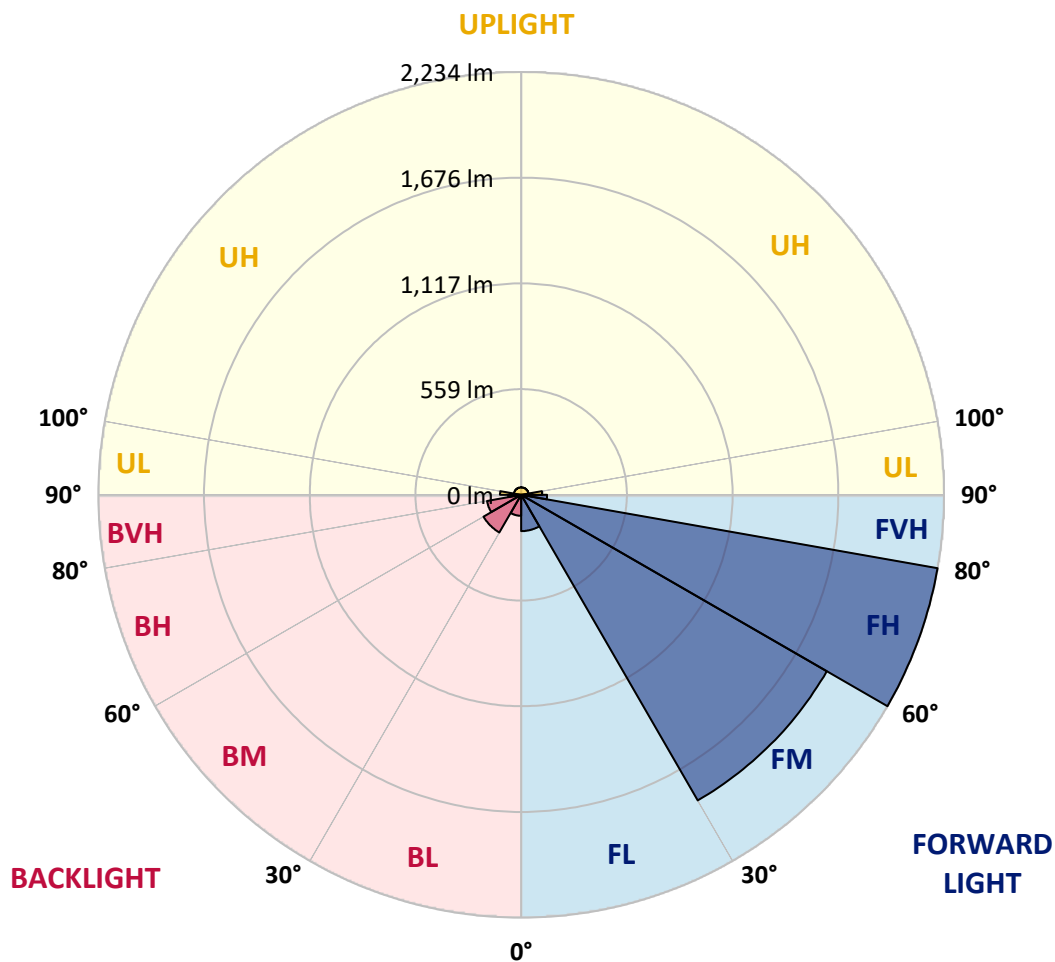
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 191.8  | 3.7       |                         |        |         |
| FM   | (30°-60°)   | 1864.6 | 36.1      |                         |        |         |
| FH   | (60°-80°)   | 2234.2 | 43.2      |                         |        | G2/5000 |
| FVH  | (80°-90°)   | 136.9  | 2.6       |                         |        | G2/225  |
| BL   | (0°-30°)    | 110.9  | 2.1       | B1/500                  |        |         |
| BM   | (30°-60°)   | 229.9  | 4.4       | B1/1000                 |        |         |
| BH   | (60°-80°)   | 183.2  | 3.5       | B1/500                  |        | G1/500  |
| BVH  | (80°-90°)   | 68.8   | 1.3       |                         |        | G1/100  |
| UL   | (90°-100°)  | 111.6  | 2.2       |                         | U3/500 |         |
| UH   | (100°-180°) | 39.3   | 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°    | 70°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 635.2  | 635.2  | 635.2  | 635.2  | 635.2  | 635.2  | 635.2  | 635.2  | 635.2  | 635.2  | 635.2  |
| 2.5°   | 535.6  | 594.8  | 597.5  | 602.9  | 608.3  | 616.3  | 629.8  | 629.8  | 629.8  | 629.8  | 632.5  |
| 5°     | 508.7  | 508.7  | 508.7  | 514.1  | 514.1  | 519.4  | 522.1  | 602.9  | 610.9  | 619.0  | 619.0  |
| 7.5°   | 422.5  | 462.9  | 465.6  | 481.8  | 500.6  | 508.7  | 514.1  | 508.7  | 500.6  | 532.9  | 546.4  |
| 10°    | 462.9  | 462.9  | 462.9  | 468.3  | 441.4  | 427.9  | 395.6  | 398.3  | 401.0  | 425.2  | 484.5  |
| 12.5°  | 384.9  | 409.1  | 433.3  | 460.2  | 425.2  | 382.2  | 374.1  | 395.6  | 401.0  | 358.0  | 425.2  |
| 15°    | 449.5  | 446.8  | 446.8  | 422.5  | 352.6  | 382.2  | 333.7  | 352.6  | 398.3  | 436.0  | 506.0  |
| 17.5°  | 371.4  | 360.6  | 419.9  | 414.5  | 376.8  | 301.4  | 384.9  | 382.2  | 422.5  | 390.3  | 436.0  |
| 20°    | 441.4  | 438.7  | 438.7  | 339.1  | 374.1  | 406.4  | 401.0  | 374.1  | 419.9  | 468.3  | 551.7  |
| 22.5°  | 371.4  | 366.0  | 376.8  | 406.4  | 371.4  | 419.9  | 366.0  | 462.9  | 441.4  | 427.9  | 401.0  |
| 25°    | 468.3  | 465.6  | 465.6  | 371.4  | 419.9  | 384.9  | 462.9  | 422.5  | 511.4  | 557.1  | 608.3  |
| 27.5°  | 419.9  | 419.9  | 401.0  | 430.6  | 401.0  | 484.5  | 444.1  | 532.9  | 578.6  | 608.3  | 734.8  |
| 30°    | 581.3  | 584.0  | 551.7  | 427.9  | 446.8  | 454.8  | 524.8  | 659.4  | 759.0  | 831.6  | 909.7  |
| 32.5°  | 837.0  | 820.9  | 686.3  | 584.0  | 473.7  | 562.5  | 581.3  | 767.0  | 815.5  | 893.5  | 960.8  |
| 35°    | 1138.5 | 1130.4 | 1012.0 | 756.3  | 570.6  | 602.9  | 648.6  | 834.3  | 909.7  | 987.7  | 1028.1 |
| 37.5°  | 1345.7 | 1337.6 | 1262.3 | 963.5  | 689.0  | 702.5  | 707.8  | 928.5  | 1025.4 | 1103.5 | 1122.3 |
| 40°    | 1515.3 | 1501.8 | 1456.0 | 1125.0 | 847.8  | 820.9  | 794.0  | 1057.7 | 1168.1 | 1232.7 | 1240.7 |
| 42.5°  | 1770.9 | 1749.4 | 1633.7 | 1310.7 | 1009.3 | 979.7  | 888.2  | 1170.8 | 1302.6 | 1388.8 | 1394.1 |
| 45°    | 2077.8 | 2058.9 | 1897.4 | 1569.1 | 1181.5 | 1173.4 | 1055.0 | 1316.1 | 1472.2 | 1574.5 | 1544.9 |
| 47.5°  | 2287.7 | 2236.5 | 2145.0 | 1816.7 | 1448.0 | 1378.0 | 1240.7 | 1464.1 | 1655.2 | 1808.6 | 1725.2 |
| 50°    | 2478.8 | 2441.1 | 2363.0 | 2091.2 | 1735.9 | 1641.7 | 1434.5 | 1633.7 | 1849.0 | 1988.9 | 1875.9 |
| 52.5°  | 2656.4 | 2599.9 | 2535.3 | 2295.8 | 1983.6 | 1937.8 | 1625.6 | 1803.2 | 2072.4 | 2188.1 | 2032.0 |
| 55°    | 2745.2 | 2656.4 | 2645.6 | 2481.5 | 2174.6 | 2137.0 | 1840.9 | 2013.2 | 2306.5 | 2387.3 | 2180.0 |
| 57.5°  | 2599.9 | 2597.2 | 2680.6 | 2594.5 | 2330.7 | 2311.9 | 2058.9 | 2239.2 | 2503.0 | 2540.7 | 2325.4 |
| 60°    | 2503.0 | 2505.7 | 2632.2 | 2637.6 | 2468.0 | 2478.8 | 2255.4 | 2500.3 | 2648.3 | 2672.6 | 2462.6 |
| 62.5°  | 2333.4 | 2352.3 | 2543.4 | 2667.2 | 2503.0 | 2637.6 | 2422.3 | 2680.6 | 2804.4 | 2812.5 | 2632.2 |
| 65°    | 2120.8 | 2139.7 | 2333.4 | 2586.4 | 2465.3 | 2742.5 | 2562.2 | 2882.5 | 2947.1 | 2952.5 | 2817.9 |
| 67.5°  | 1873.2 | 1881.3 | 2096.6 | 2376.5 | 2373.8 | 2780.2 | 2648.3 | 3017.1 | 3084.3 | 3100.5 | 2976.7 |
| 70°    | 1598.7 | 1587.9 | 1784.4 | 2107.4 | 2177.3 | 2761.4 | 2753.3 | 3148.9 | 3251.2 | 3248.5 | 3087.0 |
| 72.5°  | 1197.7 | 1248.8 | 1386.1 | 1719.8 | 1886.7 | 2669.9 | 2842.1 | 3240.4 | 3366.9 | 3323.9 | 2976.7 |
| 75°    | 409.1  | 436.0  | 807.4  | 1095.4 | 1453.4 | 2424.9 | 2861.0 | 3245.8 | 3358.9 | 3167.8 | 2435.7 |
| 77.5°  | 134.6  | 126.5  | 180.3  | 436.0  | 807.4  | 1679.4 | 2516.5 | 2831.3 | 2801.7 | 2462.6 | 1496.4 |
| 80°    | 64.6   | 67.3   | 80.7   | 153.4  | 296.1  | 761.7  | 1579.8 | 1792.5 | 1752.1 | 1291.9 | 648.6  |
| 82.5°  | 43.1   | 45.8   | 53.8   | 88.8   | 166.9  | 261.1  | 839.7  | 818.2  | 619.0  | 406.4  | 266.4  |
| 85°    | 18.8   | 18.8   | 26.9   | 45.8   | 102.3  | 172.2  | 320.3  | 279.9  | 253.0  | 234.2  | 218.0  |
| 87.5°  | 5.4    | 5.4    | 10.8   | 16.1   | 35.0   | 107.7  | 180.3  | 169.6  | 174.9  | 183.0  | 207.2  |
| 90°    | 5.4    | 5.4    | 5.4    | 5.4    | 26.9   | 113.0  | 183.0  | 172.2  | 172.2  | 183.0  | 218.0  |
| 92.5°  | 8.1    | 8.1    | 5.4    | 5.4    | 24.2   | 113.0  | 191.1  | 164.2  | 174.9  | 185.7  | 234.2  |
| 95°    | 8.1    | 10.8   | 5.4    | 2.7    | 18.8   | 115.7  | 196.5  | 174.9  | 191.1  | 188.4  | 250.3  |
| 97.5°  | 10.8   | 10.8   | 5.4    | 2.7    | 10.8   | 99.6   | 199.2  | 142.6  | 145.3  | 134.6  | 196.5  |
| 100°   | 13.5   | 13.5   | 5.4    | 5.4    | 8.1    | 51.1   | 148.0  | 91.5   | 56.5   | 43.1   | 64.6   |
| 102.5° | 16.1   | 16.1   | 5.4    | 5.4    | 5.4    | 18.8   | 67.3   | 53.8   | 29.6   | 8.1    | 16.1   |
| 105°   | 16.1   | 18.8   | 5.4    | 5.4    | 2.7    | 8.1    | 29.6   | 21.5   | 10.8   | 8.1    | 16.1   |
| 107.5° | 18.8   | 18.8   | 5.4    | 5.4    | 2.7    | 5.4    | 8.1    | 8.1    | 5.4    | 8.1    | 16.1   |
| 110°   | 18.8   | 18.8   | 8.1    | 5.4    | 2.7    | 5.4    | 2.7    | 5.4    | 5.4    | 8.1    | 18.8   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75°  | 85°  |
|--------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|
| 112.5° | 13.5 | 13.5 | 5.4 | 8.1 | 2.7 | 2.7 | 2.7 | 5.4 | 5.4 | 8.1  | 16.1 |
| 115°   | 8.1  | 5.4  | 2.7 | 5.4 | 2.7 | 2.7 | 2.7 | 5.4 | 5.4 | 5.4  | 13.5 |
| 117.5° | 2.7  | 2.7  | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 5.4 | 5.4 | 8.1  | 16.1 |
| 120°   | 2.7  | 2.7  | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 5.4 | 5.4 | 10.8 | 18.8 |
| 122.5° | 2.7  | 2.7  | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 5.4 | 10.8 | 21.5 |
| 125°   | 2.7  | 2.7  | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 5.4 | 8.1  | 18.8 |
| 127.5° | 2.7  | 2.7  | 2.7 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 5.4 | 8.1  | 16.1 |
| 130°   | 2.7  | 2.7  | 2.7 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 5.4  | 10.8 |
| 132.5° | 2.7  | 2.7  | 2.7 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 5.4  | 10.8 |
| 135°   | 2.7  | 2.7  | 2.7 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7  | 5.4  |
| 137.5° | 2.7  | 2.7  | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7  | 2.7  |
| 140°   | 0.0  | 0.0  | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7  | 2.7  |
| 142.5° | 0.0  | 0.0  | 0.0 | 0.0 | 2.7 | 2.7 | 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°   | 5.4  | 5.4  | 5.4 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7  | 2.7  |
| 152.5° | 5.4  | 5.4  | 5.4 | 2.7 | 2.7 | 2.7 | 2.7 | 5.4 | 5.4 | 2.7  | 2.7  |
| 155°   | 2.7  | 2.7  | 2.7 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 5.4  | 5.4  |
| 157.5° | 0.0  | 2.7  | 2.7 | 0.0 | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7  | 2.7  |
| 160°   | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 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°     | 635.2  | 635.2  | 635.2 | 635.2 | 635.2 | 635.2 | 635.2 | 635.2 | 635.2 | 635.2 | 635.2 |
| 2.5°   | 632.5  | 632.5  | 629.8 | 635.2 | 632.5 | 632.5 | 597.5 | 562.5 | 554.4 | 557.1 | 562.5 |
| 5°     | 621.7  | 621.7  | 621.7 | 578.6 | 530.2 | 514.1 | 519.4 | 519.4 | 519.4 | 516.7 | 522.1 |
| 7.5°   | 549.0  | 546.4  | 538.3 | 489.8 | 511.4 | 508.7 | 506.0 | 500.6 | 436.0 | 419.9 | 419.9 |
| 10°    | 487.1  | 487.1  | 417.2 | 398.3 | 398.3 | 414.5 | 425.2 | 409.1 | 401.0 | 387.6 | 384.9 |
| 12.5°  | 427.9  | 427.9  | 358.0 | 398.3 | 336.4 | 333.7 | 325.7 | 298.7 | 253.0 | 220.7 | 223.4 |
| 15°    | 508.7  | 508.7  | 422.5 | 339.1 | 282.6 | 266.4 | 166.9 | 156.1 | 150.7 | 148.0 | 145.3 |
| 17.5°  | 433.3  | 436.0  | 390.3 | 336.4 | 263.8 | 140.0 | 118.4 | 118.4 | 118.4 | 113.0 | 102.3 |
| 20°    | 549.0  | 549.0  | 454.8 | 301.4 | 199.2 | 110.3 | 91.5  | 80.7  | 110.3 | 110.3 | 110.3 |
| 22.5°  | 398.3  | 392.9  | 401.0 | 306.8 | 123.8 | 88.8  | 75.4  | 94.2  | 99.6  | 83.4  | 83.4  |
| 25°    | 602.9  | 594.8  | 487.1 | 220.7 | 102.3 | 70.0  | 83.4  | 72.7  | 94.2  | 94.2  | 94.2  |
| 27.5°  | 742.8  | 689.0  | 495.2 | 201.9 | 75.4  | 80.7  | 67.3  | 80.7  | 72.7  | 70.0  | 70.0  |
| 30°    | 893.5  | 869.3  | 597.5 | 158.8 | 72.7  | 67.3  | 70.0  | 64.6  | 75.4  | 70.0  | 70.0  |
| 32.5°  | 942.0  | 917.8  | 541.0 | 123.8 | 70.0  | 64.6  | 59.2  | 61.9  | 59.2  | 61.9  | 61.9  |
| 35°    | 1003.9 | 979.7  | 479.1 | 94.2  | 64.6  | 56.5  | 53.8  | 53.8  | 51.1  | 48.4  | 48.4  |
| 37.5°  | 1092.7 | 1052.3 | 409.1 | 80.7  | 59.2  | 51.1  | 43.1  | 40.4  | 43.1  | 53.8  | 56.5  |
| 40°    | 1195.0 | 1127.7 | 323.0 | 72.7  | 51.1  | 43.1  | 32.3  | 37.7  | 45.8  | 45.8  | 45.8  |
| 42.5°  | 1343.0 | 1219.2 | 239.5 | 67.3  | 45.8  | 35.0  | 24.2  | 29.6  | 35.0  | 48.4  | 48.4  |
| 45°    | 1472.2 | 1273.0 | 169.6 | 61.9  | 37.7  | 26.9  | 18.8  | 29.6  | 37.7  | 43.1  | 43.1  |
| 47.5°  | 1622.9 | 1324.2 | 126.5 | 59.2  | 35.0  | 18.8  | 21.5  | 29.6  | 29.6  | 45.8  | 45.8  |
| 50°    | 1749.4 | 1334.9 | 102.3 | 53.8  | 26.9  | 13.5  | 26.9  | 26.9  | 32.3  | 40.4  | 40.4  |
| 52.5°  | 1867.8 | 1345.7 | 91.5  | 48.4  | 21.5  | 10.8  | 26.9  | 26.9  | 37.7  | 48.4  | 48.4  |
| 55°    | 1945.9 | 1313.4 | 83.4  | 43.1  | 18.8  | 8.1   | 29.6  | 29.6  | 29.6  | 37.7  | 37.7  |
| 57.5°  | 2007.8 | 1273.0 | 78.1  | 37.7  | 16.1  | 16.1  | 32.3  | 37.7  | 32.3  | 37.7  | 37.7  |
| 60°    | 2048.2 | 1200.4 | 67.3  | 35.0  | 13.5  | 16.1  | 40.4  | 48.4  | 37.7  | 56.5  | 56.5  |
| 62.5°  | 2120.8 | 1143.8 | 59.2  | 32.3  | 10.8  | 16.1  | 40.4  | 61.9  | 48.4  | 75.4  | 78.1  |
| 65°    | 2180.0 | 1092.7 | 51.1  | 24.2  | 10.8  | 21.5  | 45.8  | 78.1  | 59.2  | 94.2  | 96.9  |
| 67.5°  | 2204.3 | 1030.8 | 43.1  | 21.5  | 10.8  | 24.2  | 59.2  | 96.9  | 75.4  | 110.3 | 110.3 |
| 70°    | 2185.4 | 966.2  | 35.0  | 21.5  | 10.8  | 37.7  | 78.1  | 113.0 | 91.5  | 134.6 | 137.3 |
| 72.5°  | 2021.2 | 823.6  | 26.9  | 21.5  | 8.1   | 40.4  | 96.9  | 134.6 | 110.3 | 183.0 | 188.4 |
| 75°    | 1547.6 | 522.1  | 26.9  | 21.5  | 10.8  | 45.8  | 113.0 | 156.1 | 131.9 | 204.5 | 212.6 |
| 77.5°  | 944.7  | 242.2  | 26.9  | 24.2  | 13.5  | 56.5  | 123.8 | 180.3 | 145.3 | 220.7 | 226.1 |
| 80°    | 419.9  | 150.7  | 26.9  | 26.9  | 26.9  | 70.0  | 145.3 | 199.2 | 164.2 | 234.2 | 242.2 |
| 82.5°  | 209.9  | 113.0  | 24.2  | 26.9  | 40.4  | 83.4  | 172.2 | 212.6 | 169.6 | 242.2 | 244.9 |
| 85°    | 180.3  | 102.3  | 24.2  | 29.6  | 43.1  | 96.9  | 185.7 | 215.3 | 177.6 | 239.5 | 242.2 |
| 87.5°  | 172.2  | 96.9   | 29.6  | 29.6  | 48.4  | 102.3 | 191.1 | 226.1 | 183.0 | 231.5 | 228.8 |
| 90°    | 180.3  | 94.2   | 32.3  | 35.0  | 61.9  | 105.0 | 193.8 | 220.7 | 183.0 | 218.0 | 218.0 |
| 92.5°  | 185.7  | 91.5   | 35.0  | 40.4  | 75.4  | 118.4 | 191.1 | 215.3 | 183.0 | 201.9 | 201.9 |
| 95°    | 191.1  | 91.5   | 40.4  | 45.8  | 75.4  | 129.2 | 183.0 | 196.5 | 169.6 | 180.3 | 177.6 |
| 97.5°  | 145.3  | 67.3   | 48.4  | 51.1  | 70.0  | 99.6  | 148.0 | 153.4 | 110.3 | 107.7 | 105.0 |
| 100°   | 51.1   | 29.6   | 48.4  | 56.5  | 43.1  | 43.1  | 88.8  | 107.7 | 64.6  | 40.4  | 45.8  |
| 102.5° | 16.1   | 13.5   | 43.1  | 56.5  | 35.0  | 16.1  | 45.8  | 67.3  | 48.4  | 5.4   | 5.4   |
| 105°   | 16.1   | 16.1   | 24.2  | 45.8  | 24.2  | 5.4   | 16.1  | 37.7  | 29.6  | 5.4   | 5.4   |
| 107.5° | 16.1   | 13.5   | 10.8  | 26.9  | 8.1   | 5.4   | 8.1   | 8.1   | 8.1   | 2.7   | 5.4   |
| 110°   | 18.8   | 13.5   | 5.4   | 8.1   | 5.4   | 5.4   | 5.4   | 5.4   | 5.4   | 10.8  | 10.8  |

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CATALOG NUMBER: SDL-PA1-80-830-U-T3-HSS-A

**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 18.8 | 13.5 | 5.4  | 8.1  | 5.4  | 5.4  | 5.4  | 2.7  | 5.4  | 13.5 | 16.1 |
| 115°   | 16.1 | 13.5 | 5.4  | 5.4  | 5.4  | 5.4  | 2.7  | 2.7  | 5.4  | 16.1 | 16.1 |
| 117.5° | 18.8 | 16.1 | 5.4  | 5.4  | 2.7  | 5.4  | 2.7  | 2.7  | 5.4  | 16.1 | 18.8 |
| 120°   | 21.5 | 18.8 | 5.4  | 5.4  | 2.7  | 2.7  | 2.7  | 2.7  | 5.4  | 13.5 | 16.1 |
| 122.5° | 21.5 | 21.5 | 5.4  | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 8.1  | 13.5 | 13.5 |
| 125°   | 18.8 | 18.8 | 5.4  | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 8.1  | 13.5 | 13.5 |
| 127.5° | 16.1 | 16.1 | 5.4  | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 5.4  | 10.8 | 13.5 |
| 130°   | 13.5 | 13.5 | 5.4  | 2.7  | 2.7  | 2.7  | 0.0  | 2.7  | 5.4  | 10.8 | 10.8 |
| 132.5° | 10.8 | 8.1  | 5.4  | 2.7  | 2.7  | 2.7  | 0.0  | 2.7  | 5.4  | 8.1  | 10.8 |
| 135°   | 8.1  | 8.1  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 5.4  | 5.4  | 8.1  |
| 137.5° | 5.4  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 2.7  | 5.4  | 5.4  |
| 140°   | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 2.7  | 2.7  |
| 142.5° | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 2.7  | 2.7  |
| 145°   | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 2.7  | 2.7  |
| 147.5° | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 2.7  | 2.7  |
| 150°   | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 2.7  | 2.7  |
| 152.5° | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 2.7  | 2.7  | 2.7  |
| 155°   | 5.4  | 5.4  | 5.4  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 2.7  | 2.7  |
| 157.5° | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 2.7  | 2.7  | 2.7  | 2.7  | 2.7  | 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)