

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: P560649

Luminaire Tested: **SDL-PA1-50-830-U-T2U-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560649  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-50-830-U-T2U-HSS-A  
Description: Springdale  
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,  
HOUSE SIDE SHIELD AND CLEARPANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3475.1 lumens  
Efficiency: N/A  
Efficacy: 66.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type II - Short  
BUG Rating: B1 - U3 - G1

Input Watts (W): 52.4  
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

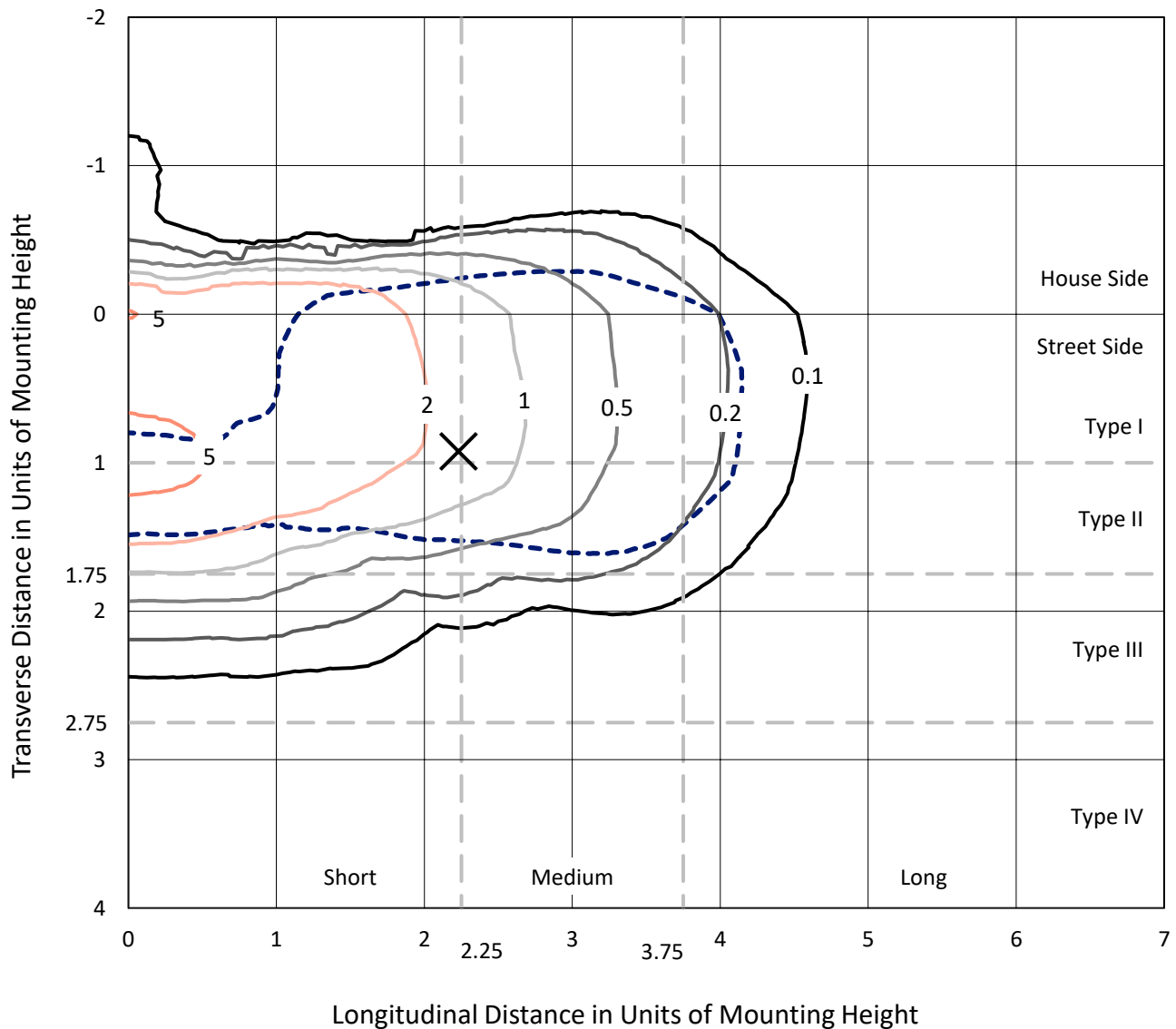


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

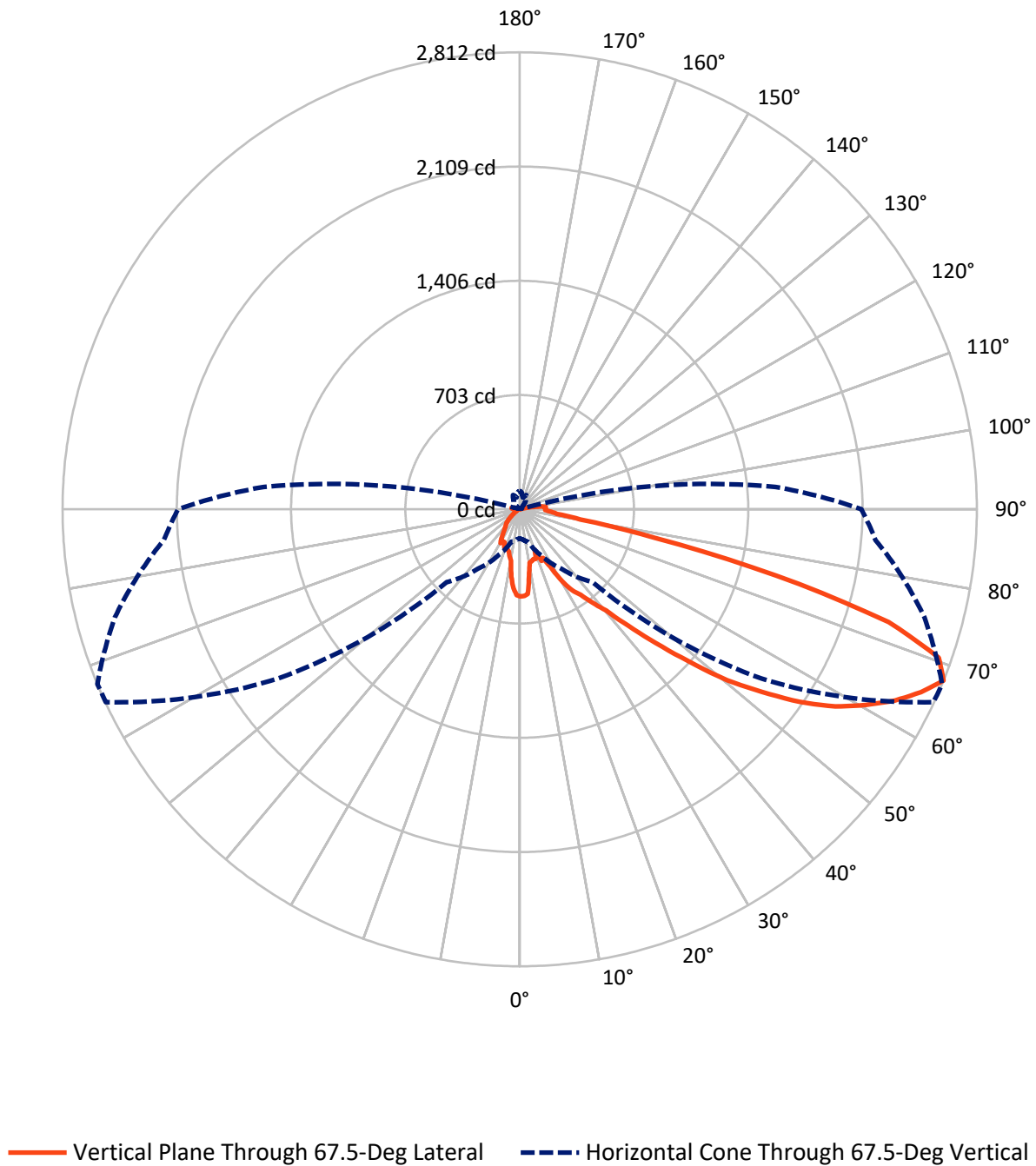


Based on 10 foot mounting height. Maximum calculated value = 7 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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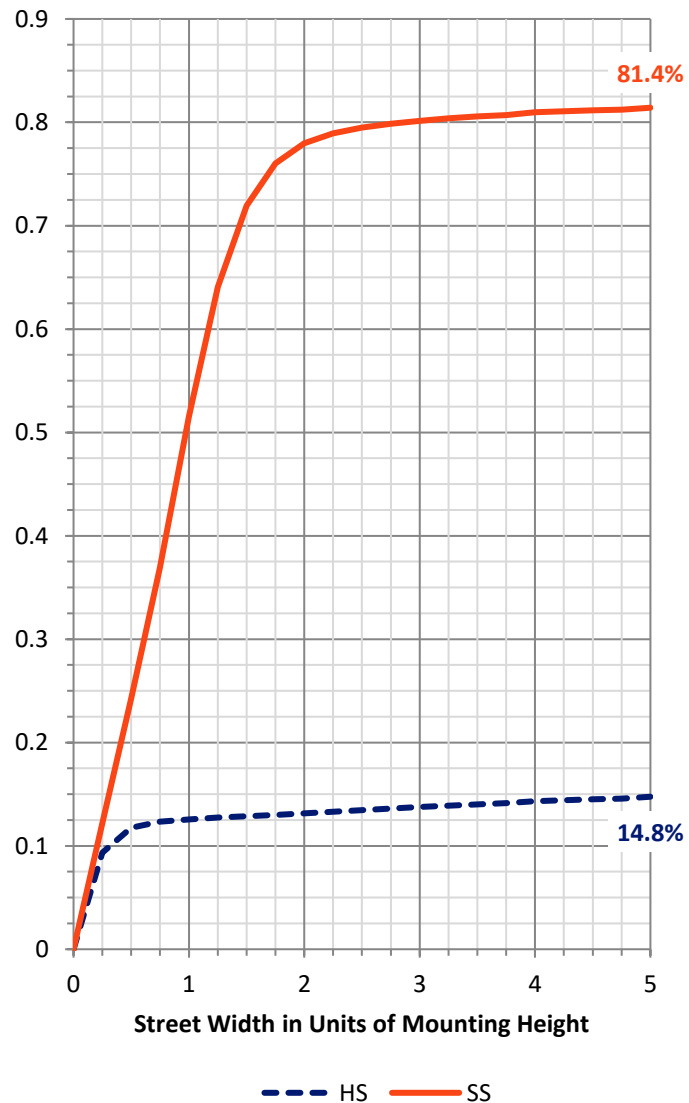
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 543.8    | 40.6   | 584.3  |
|                    | % Fixture | 15.6     | 1.2    | 16.8   |
| <b>Street Side</b> | Lumens    | 2847.6   | 43.2   | 2890.7 |
|                    | % Fixture | 81.9     | 1.2    | 83.2   |
| <b>Total</b>       | Lumens    | 3391.3   | 83.7   | 3475.1 |
|                    | % Fixture | 97.6     | 2.4    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 41.2   | 1.2       |
| 10°-20°   | 78.6   | 2.3       |
| 20°-30°   | 118.5  | 3.4       |
| 30°-40°   | 272.9  | 7.9       |
| 40°-50°   | 608.4  | 17.5      |
| 50°-60°   | 905.3  | 26.1      |
| 60°-70°   | 807.4  | 23.2      |
| 70°-80°   | 453.2  | 13.0      |
| 80°-90°   | 105.8  | 3.0       |
| 90°-100°  | 58.1   | 1.7       |
| 100°-110° | 13.4   | 0.4       |
| 110°-120° | 5.3    | 0.2       |
| 120°-130° | 3.5    | 0.1       |
| 130°-140° | 1.8    | 0.1       |
| 140°-150° | 0.9    | 0.0       |
| 150°-160° | 0.7    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 3391.3 | 97.6      |
| 0°-180°   | 3475.1 | 100.0     |

**Coefficient of Utilization**



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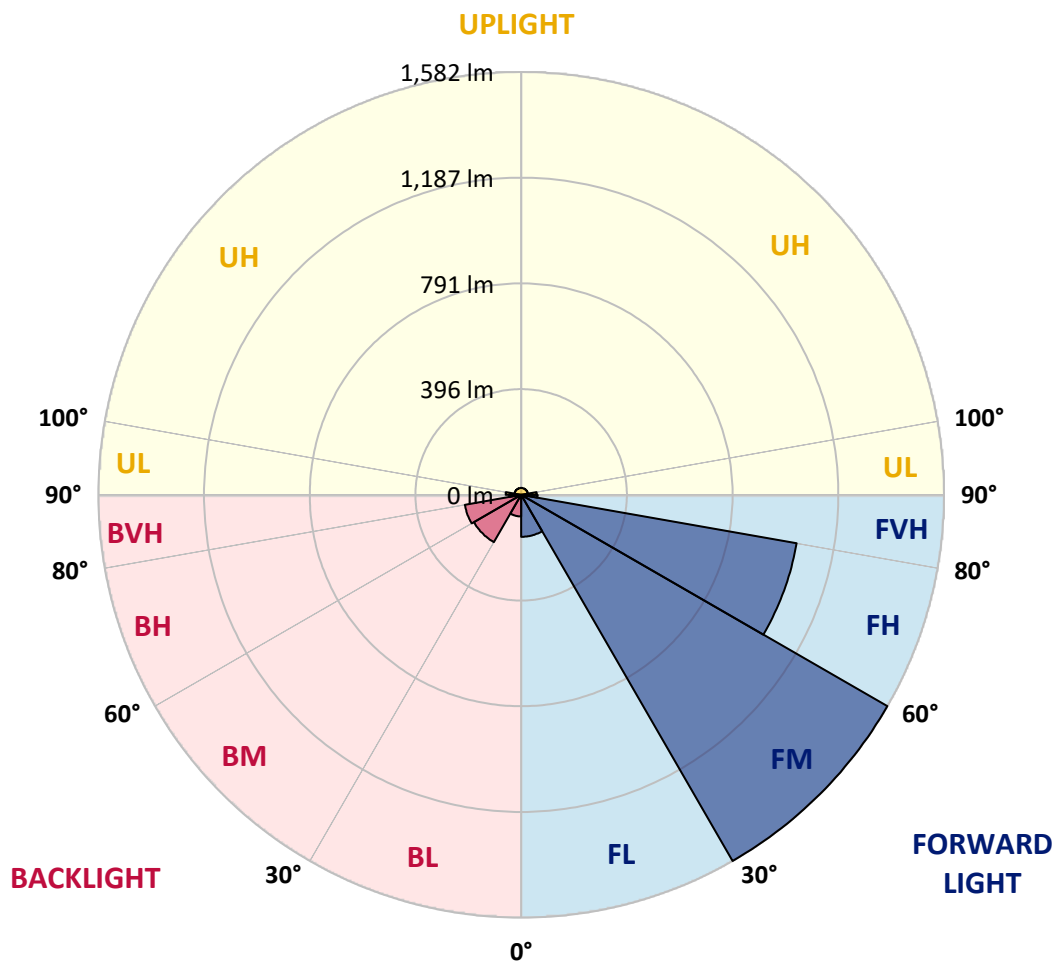
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 157.2  | 4.5       |                         |        |         |
| FM   | (30°-60°)   | 1582.3 | 45.5      |                         |        |         |
| FH   | (60°-80°)   | 1046.7 | 30.1      |                         |        | G1/1800 |
| FVH  | (80°-90°)   | 61.4   | 1.8       |                         |        | G1/100  |
| BL   | (0°-30°)    | 81.0   | 2.3       | B0/110                  |        |         |
| BM   | (30°-60°)   | 204.4  | 5.9       | B0/220                  |        |         |
| BH   | (60°-80°)   | 213.9  | 6.2       | B1/500                  |        | G1/500  |
| BVH  | (80°-90°)   | 44.4   | 1.3       |                         |        | G1/100  |
| UL   | (90°-100°)  | 58.1   | 1.7       |                         | U3/500 |         |
| UH   | (100°-180°) | 25.6   | 0.7       |                         | U2/50  |         |

**BUG Rating: B1-U3-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 67.5°  | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 536.0  | 536.0  | 536.0  | 536.0  | 536.0  | 536.0  | 536.0  | 536.0  | 536.0  | 536.0  | 536.0  |
| 2.5°   | 454.4  | 480.4  | 508.2  | 526.8  | 530.5  | 536.0  | 536.0  | 534.2  | 534.2  | 532.3  | 532.3  |
| 5°     | 441.4  | 439.6  | 441.4  | 445.2  | 443.3  | 443.3  | 443.3  | 517.5  | 523.1  | 526.8  | 526.8  |
| 7.5°   | 380.2  | 389.5  | 419.2  | 430.3  | 434.0  | 437.7  | 437.7  | 432.2  | 411.8  | 456.3  | 461.8  |
| 10°    | 413.6  | 411.8  | 411.8  | 415.5  | 387.7  | 376.5  | 339.4  | 333.9  | 333.9  | 348.7  | 396.9  |
| 12.5°  | 346.8  | 367.3  | 395.1  | 406.2  | 374.7  | 332.0  | 322.7  | 330.2  | 328.3  | 287.5  | 335.7  |
| 15°    | 393.2  | 393.2  | 389.5  | 382.1  | 294.9  | 330.2  | 278.2  | 278.2  | 317.2  | 341.3  | 383.9  |
| 17.5°  | 319.0  | 328.3  | 374.7  | 369.1  | 324.6  | 248.5  | 324.6  | 298.6  | 320.9  | 300.5  | 322.7  |
| 20°    | 391.4  | 389.5  | 391.4  | 298.6  | 330.2  | 341.3  | 324.6  | 291.2  | 265.2  | 348.7  | 385.8  |
| 22.5°  | 322.7  | 319.0  | 337.6  | 369.1  | 311.6  | 354.3  | 296.8  | 354.3  | 345.0  | 309.8  | 278.2  |
| 25°    | 417.3  | 415.5  | 419.2  | 326.4  | 365.4  | 317.2  | 365.4  | 317.2  | 332.0  | 396.9  | 406.2  |
| 27.5°  | 376.5  | 374.7  | 369.1  | 398.8  | 346.8  | 400.6  | 345.0  | 387.7  | 398.8  | 430.3  | 498.9  |
| 30°    | 530.5  | 523.1  | 504.5  | 400.6  | 408.1  | 385.8  | 408.1  | 476.7  | 513.8  | 576.8  | 597.2  |
| 32.5°  | 773.5  | 734.5  | 612.1  | 530.5  | 432.2  | 493.4  | 461.8  | 560.2  | 595.4  | 626.9  | 643.6  |
| 35°    | 999.7  | 983.1  | 894.0  | 701.1  | 526.8  | 545.3  | 521.2  | 626.9  | 647.3  | 714.1  | 710.4  |
| 37.5°  | 1309.5 | 1281.7 | 1144.4 | 905.1  | 662.2  | 654.7  | 593.5  | 714.1  | 728.9  | 825.4  | 806.8  |
| 40°    | 1541.3 | 1519.1 | 1411.5 | 1124.0 | 842.1  | 777.2  | 693.7  | 834.7  | 818.0  | 947.8  | 921.8  |
| 42.5°  | 1763.9 | 1750.9 | 1667.5 | 1374.4 | 1040.5 | 966.4  | 797.6  | 983.1  | 979.3  | 1092.5 | 1070.2 |
| 45°    | 1943.8 | 1929.0 | 1875.2 | 1598.8 | 1268.7 | 1270.5 | 960.8  | 1146.3 | 1172.2 | 1279.8 | 1222.3 |
| 47.5°  | 2049.6 | 2018.0 | 1979.1 | 1776.9 | 1498.7 | 1561.8 | 1201.9 | 1331.8 | 1394.8 | 1487.6 | 1400.4 |
| 50°    | 2025.5 | 1993.9 | 1997.6 | 1890.1 | 1710.1 | 1812.2 | 1459.7 | 1528.4 | 1654.5 | 1726.8 | 1554.3 |
| 52.5°  | 1832.6 | 1814.0 | 1875.2 | 1869.7 | 1817.7 | 2042.1 | 1760.2 | 1741.7 | 1865.9 | 1914.2 | 1712.0 |
| 55°    | 1558.0 | 1532.1 | 1647.1 | 1728.7 | 1817.7 | 2185.0 | 2038.4 | 1979.1 | 2092.2 | 2084.8 | 1819.6 |
| 57.5°  | 1183.4 | 1192.6 | 1322.5 | 1450.5 | 1669.3 | 2212.8 | 2244.3 | 2236.9 | 2288.8 | 2225.8 | 1904.9 |
| 60°    | 808.7  | 814.3  | 997.9  | 1142.6 | 1368.9 | 2066.3 | 2311.1 | 2450.2 | 2444.6 | 2344.5 | 2001.3 |
| 62.5°  | 508.2  | 506.4  | 645.5  | 873.6  | 984.9  | 1682.3 | 2285.1 | 2611.6 | 2591.2 | 2433.5 | 2075.5 |
| 65°    | 293.1  | 300.5  | 350.6  | 578.7  | 684.4  | 1148.1 | 2134.9 | 2769.2 | 2711.7 | 2513.3 | 2155.3 |
| 67.5°  | 179.9  | 185.5  | 209.6  | 313.5  | 447.0  | 634.3  | 1815.9 | 2808.2 | 2811.9 | 2578.2 | 2198.0 |
| 70°    | 152.1  | 153.9  | 165.1  | 192.9  | 311.6  | 356.1  | 1222.3 | 2626.4 | 2734.0 | 2593.0 | 2185.0 |
| 72.5°  | 128.0  | 129.8  | 146.5  | 168.8  | 231.9  | 252.3  | 549.0  | 2170.1 | 2374.2 | 2479.9 | 2090.4 |
| 75°    | 94.6   | 96.5   | 120.6  | 153.9  | 168.8  | 202.2  | 300.5  | 1437.5 | 1630.4 | 1960.5 | 1782.5 |
| 77.5°  | 61.2   | 63.1   | 85.3   | 124.3  | 142.8  | 159.5  | 243.0  | 671.4  | 849.5  | 1133.3 | 1125.9 |
| 80°    | 40.8   | 40.8   | 50.1   | 87.2   | 113.1  | 129.8  | 211.4  | 332.0  | 378.4  | 467.4  | 437.7  |
| 82.5°  | 26.0   | 26.0   | 31.5   | 53.8   | 72.3   | 129.8  | 198.5  | 237.4  | 230.0  | 233.7  | 207.7  |
| 85°    | 11.1   | 11.1   | 16.7   | 29.7   | 39.0   | 85.3   | 178.1  | 204.0  | 194.8  | 194.8  | 185.5  |
| 87.5°  | 3.7    | 3.7    | 5.6    | 9.3    | 13.0   | 26.0   | 137.3  | 163.2  | 157.7  | 163.2  | 176.2  |
| 90°    | 3.7    | 3.7    | 1.9    | 3.7    | 3.7    | 18.5   | 111.3  | 161.4  | 157.7  | 165.1  | 181.8  |
| 92.5°  | 5.6    | 5.6    | 1.9    | 1.9    | 3.7    | 14.8   | 87.2   | 166.9  | 161.4  | 172.5  | 189.2  |
| 95°    | 9.3    | 9.3    | 3.7    | 1.9    | 5.6    | 13.0   | 53.8   | 148.4  | 161.4  | 170.6  | 192.9  |
| 97.5°  | 11.1   | 11.1   | 3.7    | 3.7    | 5.6    | 11.1   | 27.8   | 120.6  | 124.3  | 129.8  | 152.1  |
| 100°   | 14.8   | 14.8   | 3.7    | 3.7    | 3.7    | 9.3    | 14.8   | 63.1   | 64.9   | 46.4   | 74.2   |
| 102.5° | 14.8   | 14.8   | 3.7    | 3.7    | 3.7    | 5.6    | 7.4    | 27.8   | 26.0   | 9.3    | 9.3    |
| 105°   | 16.7   | 16.7   | 5.6    | 3.7    | 3.7    | 3.7    | 3.7    | 9.3    | 9.3    | 5.6    | 11.1   |
| 107.5° | 16.7   | 16.7   | 5.6    | 5.6    | 3.7    | 3.7    | 1.9    | 3.7    | 5.6    | 5.6    | 11.1   |
| 110°   | 13.0   | 13.0   | 5.6    | 5.6    | 3.7    | 1.9    | 1.9    | 1.9    | 3.7    | 5.6    | 13.0   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 65° | 67.5° | 75° | 85°  |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|------|
| 112.5° | 9.3 | 9.3 | 3.7 | 5.6 | 3.7 | 1.9 | 1.9 | 1.9 | 3.7   | 7.4 | 18.5 |
| 115°   | 3.7 | 3.7 | 1.9 | 3.7 | 1.9 | 1.9 | 1.9 | 3.7 | 3.7   | 5.6 | 14.8 |
| 117.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 3.7 | 1.9   | 5.6 | 13.0 |
| 120°   | 1.9 | 1.9 | 0.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9   | 7.4 | 13.0 |
| 122.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 0.0 | 1.9 | 1.9 | 1.9   | 7.4 | 13.0 |
| 125°   | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 0.0 | 1.9 | 1.9 | 1.9   | 5.6 | 11.1 |
| 127.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 0.0 | 1.9 | 1.9 | 1.9   | 3.7 | 11.1 |
| 130°   | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 0.0 | 1.9 | 1.9 | 1.9   | 3.7 | 7.4  |
| 132.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 0.0 | 1.9 | 1.9 | 1.9   | 3.7 | 5.6  |
| 135°   | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 0.0 | 1.9 | 1.9 | 1.9   | 1.9 | 3.7  |
| 137.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 0.0 | 1.9 | 1.9 | 1.9   | 1.9 | 1.9  |
| 140°   | 0.0 | 0.0 | 0.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9   | 1.9 | 1.9  |
| 142.5° | 0.0 | 0.0 | 0.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9   | 1.9 | 1.9  |
| 145°   | 0.0 | 0.0 | 0.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9   | 1.9 | 1.9  |
| 147.5° | 0.0 | 0.0 | 0.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9   | 1.9 | 1.9  |
| 150°   | 1.9 | 1.9 | 3.7 | 3.7 | 1.9 | 0.0 | 3.7 | 1.9 | 1.9   | 1.9 | 1.9  |
| 152.5° | 3.7 | 3.7 | 3.7 | 3.7 | 1.9 | 0.0 | 1.9 | 3.7 | 1.9   | 1.9 | 1.9  |
| 155°   | 3.7 | 3.7 | 1.9 | 1.9 | 1.9 | 0.0 | 1.9 | 1.9 | 1.9   | 3.7 | 5.6  |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 1.9 | 1.9 | 0.0   | 0.0 | 1.9  |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 1.9 | 1.9 | 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  |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 536.0  | 536.0  | 536.0 | 536.0 | 536.0 | 536.0 | 536.0 | 536.0 | 536.0 | 536.0 | 536.0 |
| 2.5°   | 530.5  | 530.5  | 528.6 | 528.6 | 523.1 | 521.2 | 497.1 | 471.1 | 450.7 | 452.6 | 452.6 |
| 5°     | 524.9  | 521.2  | 515.6 | 478.5 | 432.2 | 424.8 | 424.8 | 421.0 | 419.2 | 421.0 | 421.0 |
| 7.5°   | 458.1  | 454.4  | 432.2 | 413.6 | 415.5 | 411.8 | 404.3 | 402.5 | 371.0 | 339.4 | 337.6 |
| 10°    | 395.1  | 389.5  | 330.2 | 317.2 | 315.3 | 328.3 | 359.8 | 348.7 | 337.6 | 324.6 | 330.2 |
| 12.5°  | 330.2  | 328.3  | 274.5 | 304.2 | 265.2 | 272.7 | 280.1 | 268.9 | 230.0 | 185.5 | 191.0 |
| 15°    | 382.1  | 376.5  | 311.6 | 252.3 | 226.3 | 228.1 | 150.2 | 144.7 | 116.9 | 105.7 | 100.2 |
| 17.5°  | 283.8  | 311.6  | 272.7 | 252.3 | 228.1 | 118.7 | 96.5  | 74.2  | 66.8  | 53.8  | 55.6  |
| 20°    | 380.2  | 372.8  | 311.6 | 235.6 | 176.2 | 100.2 | 53.8  | 42.7  | 51.9  | 53.8  | 53.8  |
| 22.5°  | 268.9  | 261.5  | 263.4 | 250.4 | 124.3 | 57.5  | 40.8  | 42.7  | 39.0  | 37.1  | 37.1  |
| 25°    | 395.1  | 382.1  | 319.0 | 191.0 | 92.7  | 37.1  | 39.0  | 29.7  | 35.2  | 35.2  | 35.2  |
| 27.5°  | 480.4  | 435.9  | 335.7 | 185.5 | 51.9  | 37.1  | 27.8  | 29.7  | 24.1  | 24.1  | 24.1  |
| 30°    | 575.0  | 549.0  | 439.6 | 172.5 | 40.8  | 29.7  | 26.0  | 20.4  | 22.3  | 22.3  | 22.3  |
| 32.5°  | 617.7  | 582.4  | 439.6 | 137.3 | 35.2  | 27.8  | 20.4  | 18.5  | 18.5  | 20.4  | 20.4  |
| 35°    | 678.9  | 641.8  | 437.7 | 90.9  | 29.7  | 22.3  | 16.7  | 16.7  | 16.7  | 16.7  | 16.7  |
| 37.5°  | 771.6  | 717.8  | 445.2 | 57.5  | 24.1  | 18.5  | 13.0  | 14.8  | 14.8  | 31.5  | 31.5  |
| 40°    | 875.5  | 814.3  | 424.8 | 40.8  | 20.4  | 14.8  | 11.1  | 18.5  | 26.0  | 27.8  | 27.8  |
| 42.5°  | 1007.2 | 940.4  | 395.1 | 35.2  | 18.5  | 11.1  | 9.3   | 14.8  | 22.3  | 35.2  | 35.2  |
| 45°    | 1164.8 | 1064.7 | 354.3 | 31.5  | 14.8  | 9.3   | 9.3   | 18.5  | 27.8  | 33.4  | 33.4  |
| 47.5°  | 1305.8 | 1185.2 | 283.8 | 29.7  | 13.0  | 7.4   | 13.0  | 20.4  | 24.1  | 39.0  | 39.0  |
| 50°    | 1470.9 | 1311.4 | 217.0 | 26.0  | 11.1  | 7.4   | 20.4  | 22.3  | 27.8  | 35.2  | 35.2  |
| 52.5°  | 1593.3 | 1417.1 | 165.1 | 24.1  | 11.1  | 5.6   | 20.4  | 20.4  | 31.5  | 40.8  | 40.8  |
| 55°    | 1691.6 | 1474.6 | 118.7 | 20.4  | 9.3   | 5.6   | 24.1  | 26.0  | 27.8  | 31.5  | 31.5  |
| 57.5°  | 1767.6 | 1515.4 | 92.7  | 18.5  | 9.3   | 13.0  | 29.7  | 33.4  | 29.7  | 31.5  | 31.5  |
| 60°    | 1854.8 | 1535.8 | 68.6  | 16.7  | 7.4   | 13.0  | 35.2  | 44.5  | 33.4  | 48.2  | 46.4  |
| 62.5°  | 1934.6 | 1550.6 | 55.6  | 16.7  | 7.4   | 14.8  | 39.0  | 55.6  | 44.5  | 64.9  | 66.8  |
| 65°    | 2034.7 | 1569.2 | 46.4  | 13.0  | 7.4   | 20.4  | 46.4  | 74.2  | 59.4  | 85.3  | 89.0  |
| 67.5°  | 2101.5 | 1580.3 | 39.0  | 13.0  | 7.4   | 24.1  | 64.9  | 96.5  | 74.2  | 107.6 | 111.3 |
| 70°    | 2108.9 | 1539.5 | 31.5  | 13.0  | 7.4   | 37.1  | 89.0  | 116.9 | 92.7  | 137.3 | 139.1 |
| 72.5°  | 2012.5 | 1422.6 | 26.0  | 14.8  | 7.4   | 40.8  | 103.9 | 135.4 | 109.4 | 181.8 | 183.6 |
| 75°    | 1626.7 | 997.9  | 24.1  | 14.8  | 7.4   | 51.9  | 113.1 | 148.4 | 122.4 | 189.2 | 192.9 |
| 77.5°  | 999.7  | 461.8  | 22.3  | 16.7  | 11.1  | 57.5  | 115.0 | 157.7 | 128.0 | 189.2 | 194.8 |
| 80°    | 387.7  | 228.1  | 20.4  | 18.5  | 26.0  | 64.9  | 124.3 | 159.5 | 128.0 | 176.2 | 183.6 |
| 82.5°  | 179.9  | 133.5  | 20.4  | 20.4  | 33.4  | 66.8  | 122.4 | 148.4 | 118.7 | 157.7 | 155.8 |
| 85°    | 161.4  | 131.7  | 22.3  | 22.3  | 35.2  | 57.5  | 96.5  | 126.1 | 102.0 | 124.3 | 124.3 |
| 87.5°  | 157.7  | 129.8  | 24.1  | 27.8  | 35.2  | 33.4  | 74.2  | 107.6 | 87.2  | 92.7  | 92.7  |
| 90°    | 161.4  | 135.4  | 26.0  | 31.5  | 29.7  | 18.5  | 59.4  | 89.0  | 66.8  | 59.4  | 57.5  |
| 92.5°  | 172.5  | 137.3  | 31.5  | 37.1  | 27.8  | 14.8  | 50.1  | 72.3  | 48.2  | 39.0  | 37.1  |
| 95°    | 181.8  | 141.0  | 39.0  | 44.5  | 29.7  | 13.0  | 44.5  | 57.5  | 35.2  | 24.1  | 22.3  |
| 97.5°  | 152.1  | 109.4  | 44.5  | 48.2  | 29.7  | 13.0  | 39.0  | 46.4  | 27.8  | 13.0  | 13.0  |
| 100°   | 64.9   | 48.2   | 46.4  | 51.9  | 27.8  | 11.1  | 33.4  | 37.1  | 18.5  | 5.6   | 7.4   |
| 102.5° | 13.0   | 14.8   | 40.8  | 48.2  | 22.3  | 7.4   | 22.3  | 22.3  | 13.0  | 1.9   | 3.7   |
| 105°   | 13.0   | 11.1   | 26.0  | 40.8  | 13.0  | 3.7   | 9.3   | 13.0  | 5.6   | 1.9   | 1.9   |
| 107.5° | 13.0   | 13.0   | 9.3   | 20.4  | 5.6   | 3.7   | 3.7   | 5.6   | 3.7   | 1.9   | 1.9   |
| 110°   | 14.8   | 13.0   | 3.7   | 5.6   | 3.7   | 3.7   | 3.7   | 3.7   | 1.9   | 9.3   | 11.1  |

REPORT NUMBER: P560649

CATALOG NUMBER: SDL-PA1-50-830-U-T2U-HSS-A

**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 18.5 | 16.7 | 3.7  | 5.6  | 5.6  | 3.7  | 1.9  | 1.9  | 3.7  | 13.0 | 14.8 |
| 115°   | 16.7 | 14.8 | 5.6  | 5.6  | 3.7  | 3.7  | 1.9  | 1.9  | 3.7  | 14.8 | 16.7 |
| 117.5° | 13.0 | 13.0 | 5.6  | 3.7  | 3.7  | 3.7  | 1.9  | 1.9  | 3.7  | 14.8 | 14.8 |
| 120°   | 14.8 | 13.0 | 5.6  | 3.7  | 1.9  | 1.9  | 1.9  | 1.9  | 3.7  | 11.1 | 11.1 |
| 122.5° | 14.8 | 13.0 | 5.6  | 3.7  | 1.9  | 1.9  | 1.9  | 1.9  | 3.7  | 11.1 | 13.0 |
| 125°   | 13.0 | 11.1 | 5.6  | 3.7  | 1.9  | 1.9  | 1.9  | 1.9  | 5.6  | 11.1 | 11.1 |
| 127.5° | 11.1 | 9.3  | 3.7  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 5.6  | 9.3  | 9.3  |
| 130°   | 7.4  | 7.4  | 3.7  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 5.6  | 7.4  | 7.4  |
| 132.5° | 5.6  | 5.6  | 3.7  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 3.7  | 7.4  | 7.4  |
| 135°   | 5.6  | 3.7  | 3.7  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 3.7  | 5.6  | 5.6  |
| 137.5° | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 3.7  | 3.7  |
| 140°   | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 0.0  | 0.0  | 0.0  | 1.9  | 1.9  |
| 142.5° | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 0.0  | 0.0  | 0.0  | 1.9  | 1.9  |
| 145°   | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 0.0  | 0.0  | 0.0  | 1.9  | 1.9  |
| 147.5° | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 0.0  | 0.0  | 0.0  | 1.9  | 1.9  |
| 150°   | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 0.0  | 0.0  | 0.0  | 0.0  | 1.9  | 1.9  |
| 152.5° | 1.9  | 1.9  | 3.7  | 1.9  | 1.9  | 0.0  | 0.0  | 0.0  | 0.0  | 1.9  | 1.9  |
| 155°   | 5.6  | 5.6  | 5.6  | 1.9  | 1.9  | 0.0  | 0.0  | 0.0  | 0.0  | 1.9  | 1.9  |
| 157.5° | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 1.9  | 1.9  | 1.9  | 1.9  | 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)