

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: P560393

Luminaire Tested: **SDL-PA1-40-740-U-T4W-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560393  
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-PA1-40-740-U-T4W-HSS-A  
Description: Springdale  
(1) 70 CRI, 4000K, 500mA 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: 3363.2 lumens  
Efficiency: N/A  
Efficacy: 85.4 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): 39.4  
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



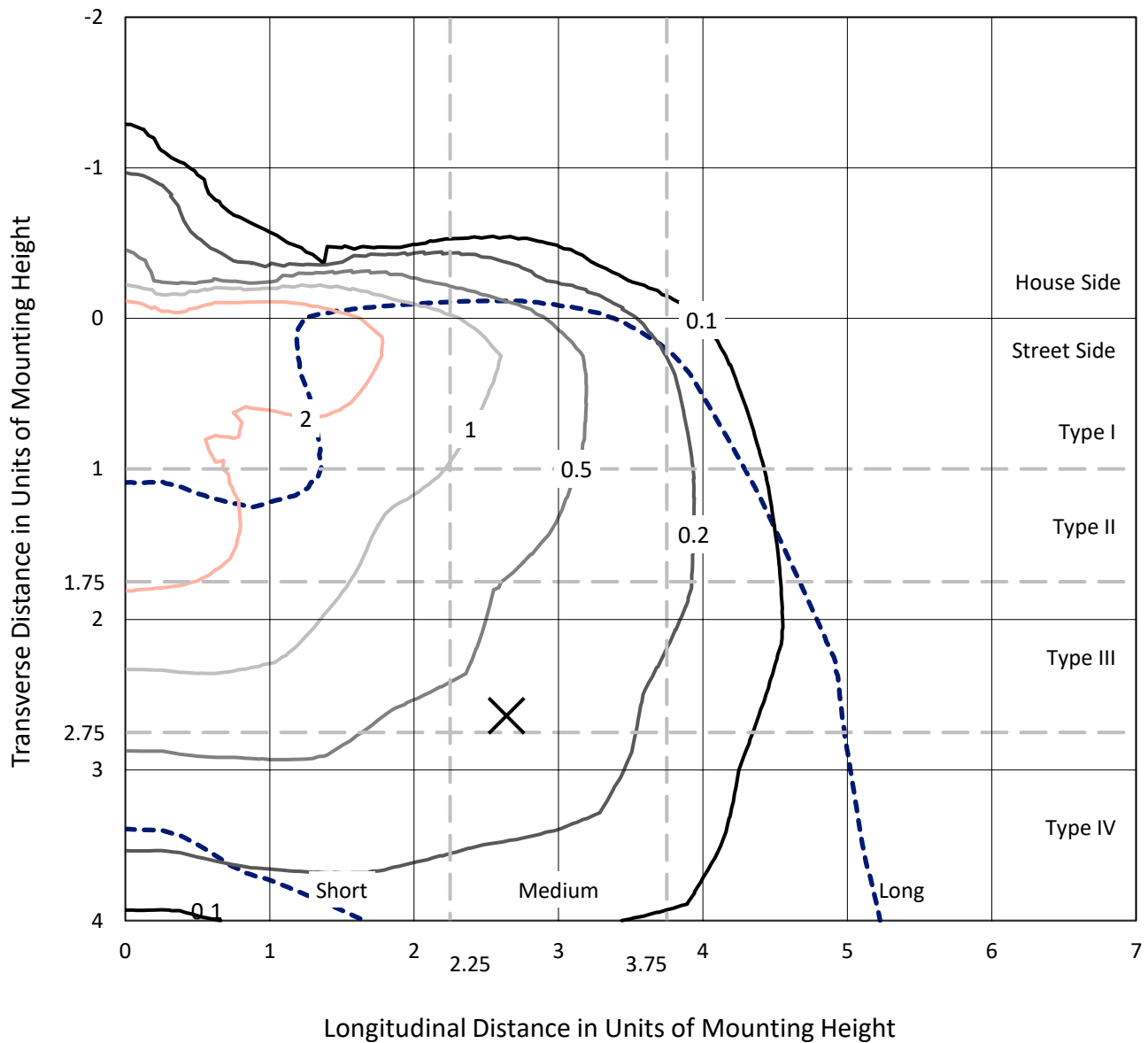
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



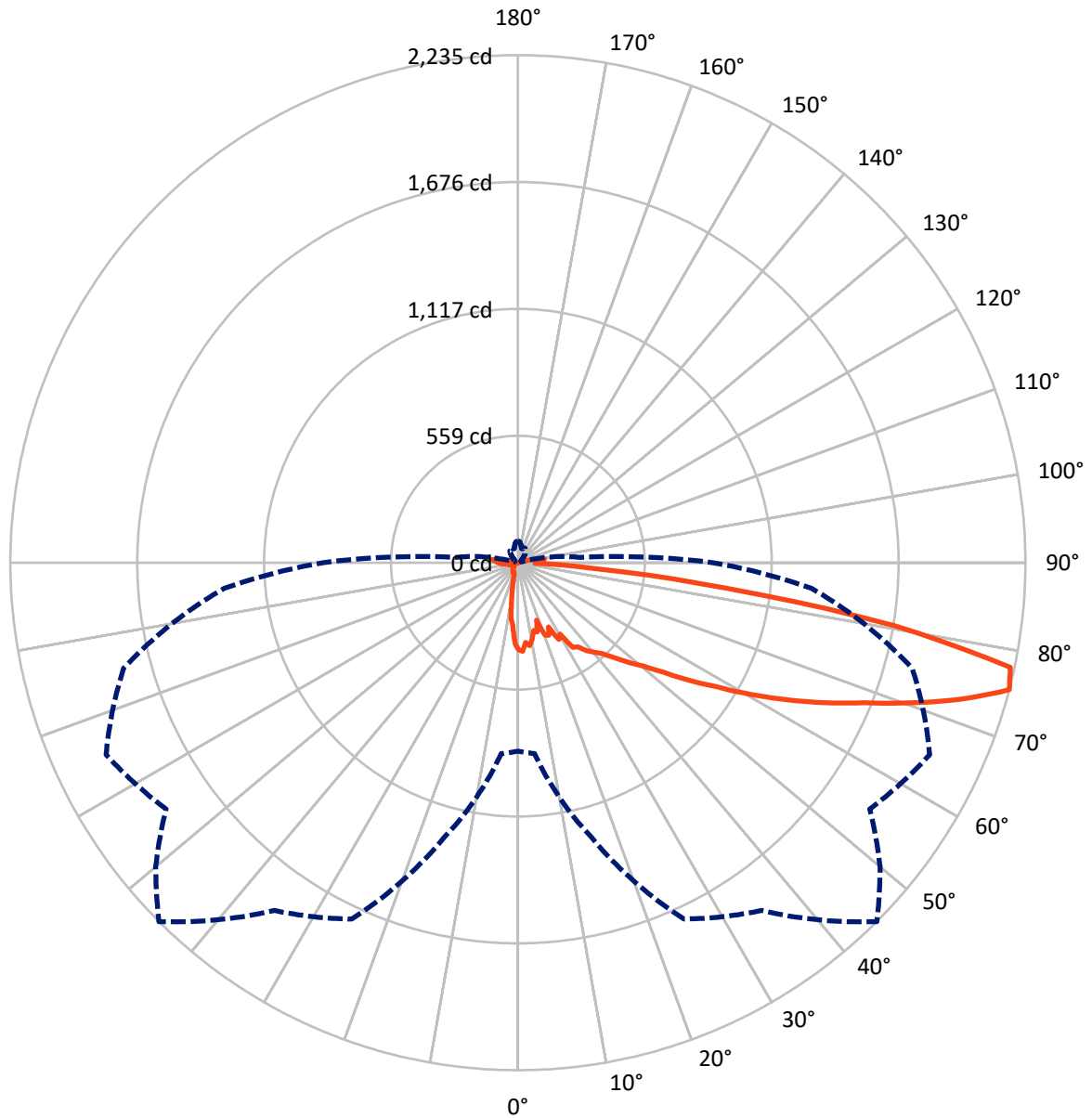
Based on 10 foot mounting height. Maximum calculated value = 4 fc

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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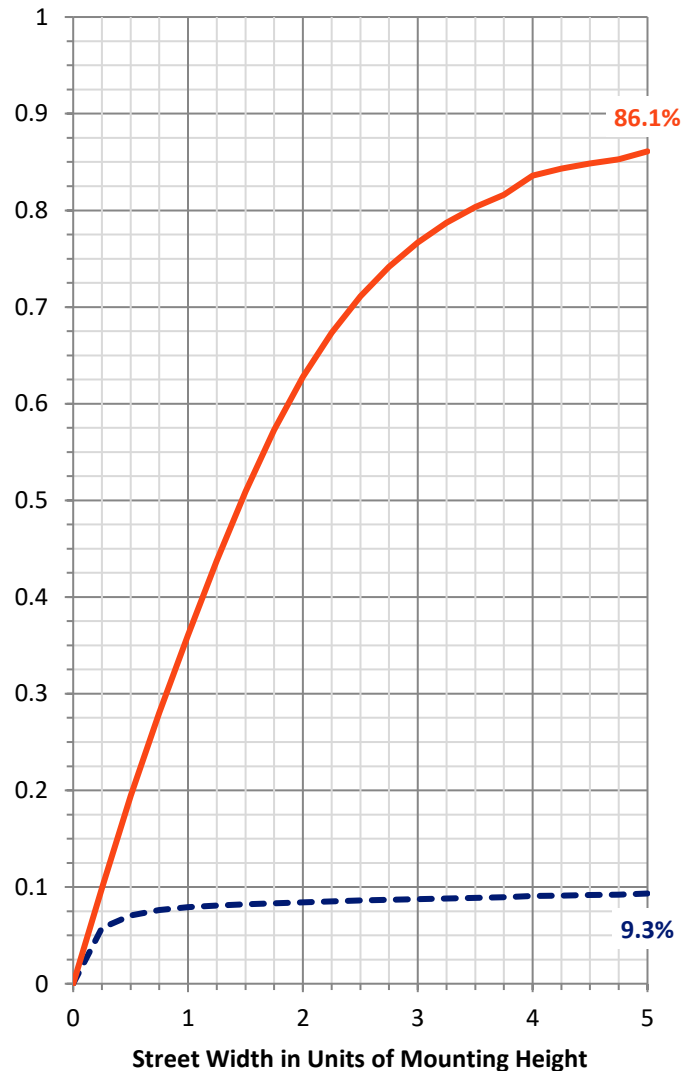
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 345.1    | 60.4   | 405.5  |
|                    | % Fixture | 10.3     | 1.8    | 12.1   |
| <b>Street Side</b> | Lumens    | 2911.0   | 46.7   | 2957.7 |
|                    | % Fixture | 86.6     | 1.4    | 87.9   |
| <b>Total</b>       | Lumens    | 3256.1   | 107.1  | 3363.2 |
|                    | % Fixture | 96.8     | 3.2    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 29.7   | 0.9       |
| 10°-20°   | 64.4   | 1.9       |
| 20°-30°   | 108.0  | 3.2       |
| 30°-40°   | 200.2  | 6.0       |
| 40°-50°   | 337.4  | 10.0      |
| 50°-60°   | 605.5  | 18.0      |
| 60°-70°   | 909.2  | 27.0      |
| 70°-80°   | 831.8  | 24.7      |
| 80°-90°   | 170.1  | 5.1       |
| 90°-100°  | 81.4   | 2.4       |
| 100°-110° | 17.4   | 0.5       |
| 110°-120° | 3.3    | 0.1       |
| 120°-130° | 2.6    | 0.1       |
| 130°-140° | 1.2    | 0.0       |
| 140°-150° | 0.6    | 0.0       |
| 150°-160° | 0.6    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 3256.1 | 96.8      |
| 0°-180°   | 3363.2 | 100.0     |



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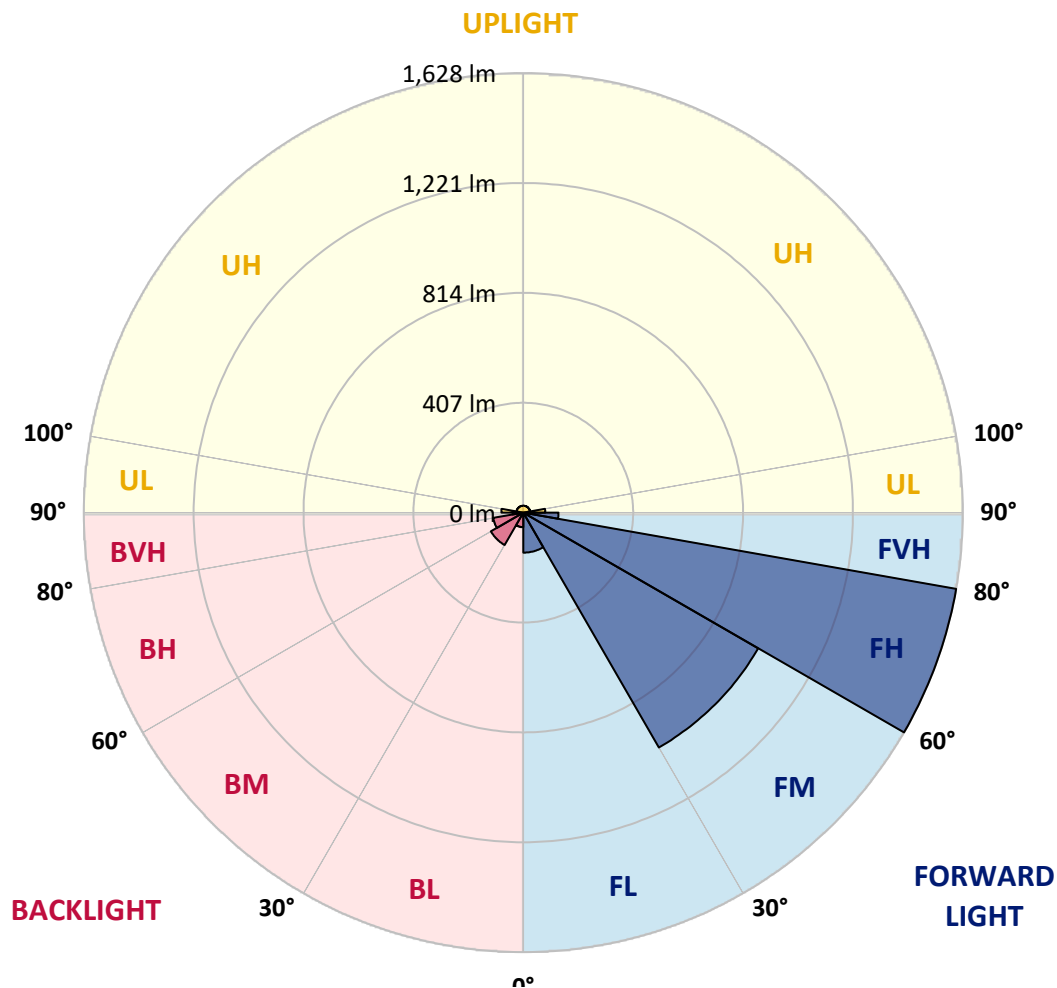
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 148.2  | 4.4       |                         |        |         |
| FM   | (30°-60°)   | 1004.6 | 29.9      |                         |        |         |
| FH   | (60°-80°)   | 1627.9 | 48.4      |                         |        | G1/1800 |
| FVH  | (80°-90°)   | 130.4  | 3.9       |                         |        | G2/225  |
| BL   | (0°-30°)    | 53.9   | 1.6       | B0/110                  |        |         |
| BM   | (30°-60°)   | 138.5  | 4.1       | B0/220                  |        |         |
| BH   | (60°-80°)   | 113.1  | 3.4       | B1/500                  |        | G1/500  |
| BVH  | (80°-90°)   | 39.7   | 1.2       |                         |        | G1/100  |
| UL   | (90°-100°)  | 81.4   | 2.4       |                         | U3/500 |         |
| UH   | (100°-180°) | 25.7   | 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°     | 383.2  | 383.2  | 383.2  | 383.2  | 383.2  | 383.2  | 383.2  | 383.2  | 383.2  | 383.2  | 383.2  |
| 2.5°   | 372.4  | 390.4  | 385.0  | 394.0  | 392.2  | 390.4  | 390.4  | 392.2  | 390.4  | 386.8  | 383.2  |
| 5°     | 379.6  | 374.2  | 370.6  | 368.8  | 361.6  | 352.6  | 349.0  | 345.4  | 383.2  | 383.2  | 376.0  |
| 7.5°   | 390.4  | 390.4  | 383.2  | 377.8  | 377.8  | 368.8  | 359.8  | 352.6  | 334.6  | 329.2  | 329.2  |
| 10°    | 415.6  | 412.0  | 406.6  | 395.8  | 341.8  | 343.6  | 323.8  | 284.3  | 266.3  | 273.5  | 284.3  |
| 12.5°  | 421.0  | 419.2  | 412.0  | 410.2  | 359.8  | 305.8  | 253.7  | 284.3  | 271.7  | 226.7  | 251.9  |
| 15°    | 451.6  | 448.0  | 433.6  | 408.4  | 307.6  | 316.6  | 295.0  | 253.7  | 242.9  | 277.1  | 296.8  |
| 17.5°  | 385.0  | 385.0  | 431.8  | 395.8  | 334.6  | 266.3  | 264.5  | 295.0  | 266.3  | 248.3  | 246.5  |
| 20°    | 473.2  | 473.2  | 453.4  | 323.8  | 343.6  | 340.0  | 273.5  | 309.4  | 260.9  | 295.0  | 314.8  |
| 22.5°  | 394.0  | 392.2  | 406.6  | 401.2  | 329.2  | 347.2  | 280.7  | 282.5  | 311.2  | 266.3  | 228.5  |
| 25°    | 480.4  | 480.4  | 469.6  | 349.0  | 374.2  | 313.0  | 320.2  | 338.2  | 277.1  | 336.4  | 340.0  |
| 27.5°  | 413.8  | 412.0  | 392.2  | 399.4  | 349.0  | 383.2  | 291.5  | 318.4  | 340.0  | 363.4  | 399.4  |
| 30°    | 505.5  | 509.1  | 500.1  | 379.6  | 388.6  | 365.2  | 347.2  | 368.8  | 412.0  | 484.0  | 507.3  |
| 32.5°  | 624.3  | 627.9  | 532.5  | 457.0  | 390.4  | 444.4  | 372.4  | 406.6  | 473.2  | 507.3  | 532.5  |
| 35°    | 694.4  | 667.5  | 626.1  | 510.9  | 421.0  | 455.2  | 428.2  | 433.6  | 492.9  | 546.9  | 564.9  |
| 37.5°  | 753.8  | 717.8  | 669.3  | 527.1  | 444.4  | 491.1  | 446.2  | 453.4  | 534.3  | 582.9  | 606.3  |
| 40°    | 773.6  | 752.0  | 725.0  | 563.1  | 473.2  | 518.1  | 467.8  | 484.0  | 573.9  | 629.7  | 665.7  |
| 42.5°  | 822.2  | 824.0  | 807.8  | 613.5  | 503.7  | 546.9  | 503.7  | 514.5  | 626.1  | 694.4  | 746.6  |
| 45°    | 951.7  | 955.3  | 937.3  | 699.8  | 541.5  | 597.3  | 561.3  | 566.7  | 685.4  | 793.4  | 860.0  |
| 47.5°  | 1117.2 | 1104.6 | 1086.6 | 815.0  | 599.1  | 654.9  | 627.9  | 622.5  | 755.6  | 922.9  | 982.3  |
| 50°    | 1284.5 | 1261.2 | 1223.4 | 973.3  | 698.0  | 714.2  | 696.2  | 692.6  | 840.2  | 1056.1 | 1120.8 |
| 52.5°  | 1459.1 | 1441.1 | 1361.9 | 1122.6 | 845.6  | 800.6  | 780.8  | 800.6  | 949.9  | 1203.6 | 1263.0 |
| 55°    | 1550.8 | 1532.8 | 1482.4 | 1282.7 | 987.7  | 912.1  | 877.9  | 913.9  | 1119.0 | 1342.1 | 1419.5 |
| 57.5°  | 1626.4 | 1621.0 | 1597.6 | 1450.1 | 1160.4 | 1030.9 | 996.7  | 1030.9 | 1254.0 | 1471.6 | 1563.4 |
| 60°    | 1734.3 | 1712.7 | 1734.3 | 1612.0 | 1327.7 | 1176.6 | 1129.8 | 1165.8 | 1419.5 | 1585.0 | 1721.7 |
| 62.5°  | 1811.7 | 1806.3 | 1849.5 | 1793.7 | 1468.0 | 1329.5 | 1261.2 | 1295.3 | 1565.2 | 1705.5 | 1878.2 |
| 65°    | 1728.9 | 1755.9 | 1928.6 | 1912.4 | 1626.4 | 1486.0 | 1414.1 | 1403.3 | 1683.9 | 1835.1 | 2045.5 |
| 67.5°  | 1581.4 | 1599.4 | 1851.2 | 1973.6 | 1764.9 | 1644.4 | 1558.0 | 1507.6 | 1793.7 | 1952.0 | 2178.7 |
| 70°    | 1441.1 | 1462.6 | 1692.9 | 1977.2 | 1831.5 | 1847.7 | 1727.1 | 1633.6 | 1903.4 | 2083.3 | 2207.5 |
| 72.5°  | 1329.5 | 1349.3 | 1556.2 | 1934.0 | 1854.8 | 2050.9 | 1912.4 | 1766.7 | 2009.6 | 2086.9 | 1928.6 |
| 75°    | 829.4  | 843.8  | 1252.2 | 1730.7 | 1869.2 | 2234.5 | 2081.5 | 1890.8 | 2000.6 | 1797.3 | 1297.1 |
| 77.5°  | 255.5  | 260.9  | 536.1  | 1142.4 | 1624.6 | 2216.5 | 2052.7 | 1777.5 | 1676.7 | 1140.6 | 591.9  |
| 80°    | 88.2   | 90.0   | 138.5  | 406.6  | 971.5  | 1682.1 | 1565.2 | 1307.9 | 1002.1 | 421.0  | 223.1  |
| 82.5°  | 41.4   | 45.0   | 64.8   | 136.7  | 395.8  | 919.3  | 924.7  | 777.2  | 421.0  | 187.1  | 151.1  |
| 85°    | 14.4   | 14.4   | 27.0   | 59.4   | 152.9  | 354.4  | 336.4  | 313.0  | 221.3  | 169.1  | 140.3  |
| 87.5°  | 5.4    | 5.4    | 9.0    | 16.2   | 37.8   | 75.6   | 95.4   | 116.9  | 116.9  | 118.7  | 142.1  |
| 90°    | 5.4    | 5.4    | 3.6    | 3.6    | 27.0   | 79.2   | 95.4   | 106.1  | 97.2   | 107.9  | 154.7  |
| 92.5°  | 5.4    | 5.4    | 3.6    | 3.6    | 28.8   | 91.8   | 106.1  | 115.1  | 102.5  | 115.1  | 170.9  |
| 95°    | 5.4    | 5.4    | 3.6    | 3.6    | 32.4   | 111.5  | 124.1  | 122.3  | 102.5  | 120.5  | 183.5  |
| 97.5°  | 7.2    | 7.2    | 3.6    | 1.8    | 28.8   | 118.7  | 133.1  | 129.5  | 88.2   | 91.8   | 143.9  |
| 100°   | 7.2    | 7.2    | 3.6    | 1.8    | 18.0   | 88.2   | 106.1  | 104.3  | 57.6   | 14.4   | 41.4   |
| 102.5° | 7.2    | 7.2    | 3.6    | 1.8    | 3.6    | 41.4   | 50.4   | 52.2   | 34.2   | 5.4    | 7.2    |
| 105°   | 9.0    | 9.0    | 3.6    | 1.8    | 1.8    | 7.2    | 16.2   | 21.6   | 12.6   | 3.6    | 7.2    |
| 107.5° | 9.0    | 9.0    | 3.6    | 1.8    | 1.8    | 3.6    | 3.6    | 5.4    | 5.4    | 3.6    | 9.0    |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 50° | 55° | 65° | 75° | 85°  |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 112.5° | 7.2 | 7.2 | 1.8 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 3.6 | 9.0  |
| 115°   | 3.6 | 3.6 | 1.8 | 1.8 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 3.6 | 7.2  |
| 117.5° | 1.8 | 1.8 | 0.0 | 1.8 | 0.0 | 1.8 | 1.8 | 1.8 | 3.6 | 3.6 | 9.0  |
| 120°   | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 5.4 | 10.8 |
| 122.5° | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 5.4 | 10.8 |
| 125°   | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 5.4 | 10.8 |
| 127.5° | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 5.4 | 9.0  |
| 130°   | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 3.6 | 7.2  |
| 132.5° | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 3.6 | 5.4  |
| 135°   | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 3.6  |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8  |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8  |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8  |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8  |
| 147.5° | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8  |
| 150°   | 5.4 | 5.4 | 3.6 | 1.8 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8  |
| 152.5° | 3.6 | 3.6 | 5.4 | 1.8 | 0.0 | 0.0 | 1.8 | 1.8 | 3.6 | 1.8 | 1.8  |
| 155°   | 3.6 | 3.6 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 3.6 | 3.6  |
| 157.5° | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8  |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8  |
| 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°     | 383.2  | 383.2 | 383.2 | 383.2 | 383.2 | 383.2 | 383.2 | 383.2 | 383.2 | 383.2 | 383.2 |
| 2.5°   | 379.6  | 377.8 | 372.4 | 368.8 | 363.4 | 358.0 | 331.0 | 314.8 | 313.0 | 311.2 | 313.0 |
| 5°     | 372.4  | 367.0 | 358.0 | 316.6 | 296.8 | 278.9 | 273.5 | 269.9 | 260.9 | 260.9 | 262.7 |
| 7.5°   | 322.0  | 318.4 | 289.7 | 277.1 | 260.9 | 244.7 | 230.3 | 219.5 | 192.5 | 183.5 | 179.9 |
| 10°    | 282.5  | 275.3 | 224.9 | 199.7 | 183.5 | 165.5 | 165.5 | 151.1 | 143.9 | 138.5 | 136.7 |
| 12.5°  | 244.7  | 239.3 | 197.9 | 181.7 | 136.7 | 118.7 | 109.7 | 100.7 | 95.4  | 91.8  | 90.0  |
| 15°    | 286.1  | 277.1 | 212.3 | 145.7 | 100.7 | 84.6  | 66.6  | 64.8  | 81.0  | 84.6  | 86.4  |
| 17.5°  | 228.5  | 233.9 | 188.9 | 127.7 | 82.8  | 52.2  | 57.6  | 68.4  | 77.4  | 77.4  | 75.6  |
| 20°    | 304.0  | 291.5 | 205.1 | 102.5 | 59.4  | 52.2  | 55.8  | 50.4  | 72.0  | 77.4  | 77.4  |
| 22.5°  | 221.3  | 210.5 | 169.1 | 95.4  | 46.8  | 50.4  | 46.8  | 59.4  | 66.6  | 59.4  | 61.2  |
| 25°    | 329.2  | 313.0 | 196.1 | 66.6  | 48.6  | 43.2  | 54.0  | 46.8  | 64.8  | 70.2  | 72.0  |
| 27.5°  | 408.4  | 354.4 | 192.5 | 63.0  | 43.2  | 48.6  | 45.0  | 54.0  | 52.2  | 55.8  | 55.8  |
| 30°    | 487.5  | 457.0 | 217.7 | 57.6  | 43.2  | 41.4  | 46.8  | 46.8  | 59.4  | 64.8  | 64.8  |
| 32.5°  | 521.7  | 485.8 | 190.7 | 55.8  | 43.2  | 41.4  | 41.4  | 50.4  | 55.8  | 66.6  | 66.6  |
| 35°    | 557.7  | 509.1 | 160.1 | 52.2  | 41.4  | 39.6  | 39.6  | 50.4  | 59.4  | 66.6  | 68.4  |
| 37.5°  | 606.3  | 534.3 | 129.5 | 50.4  | 39.6  | 37.8  | 34.2  | 45.0  | 63.0  | 70.2  | 72.0  |
| 40°    | 667.5  | 570.3 | 100.7 | 46.8  | 36.0  | 34.2  | 32.4  | 45.0  | 54.0  | 63.0  | 63.0  |
| 42.5°  | 762.8  | 609.9 | 79.2  | 45.0  | 34.2  | 30.6  | 30.6  | 37.8  | 52.2  | 59.4  | 59.4  |
| 45°    | 860.0  | 656.7 | 66.6  | 43.2  | 32.4  | 28.8  | 28.8  | 37.8  | 39.6  | 50.4  | 50.4  |
| 47.5°  | 967.9  | 703.4 | 61.2  | 41.4  | 32.4  | 25.2  | 25.2  | 34.2  | 34.2  | 46.8  | 48.6  |
| 50°    | 1079.4 | 743.0 | 57.6  | 39.6  | 28.8  | 23.4  | 28.8  | 23.4  | 28.8  | 45.0  | 48.6  |
| 52.5°  | 1176.6 | 775.4 | 54.0  | 36.0  | 27.0  | 21.6  | 27.0  | 23.4  | 28.8  | 41.4  | 41.4  |
| 55°    | 1275.5 | 793.4 | 52.2  | 34.2  | 25.2  | 18.0  | 27.0  | 25.2  | 27.0  | 37.8  | 37.8  |
| 57.5°  | 1363.7 | 798.8 | 50.4  | 34.2  | 21.6  | 16.2  | 25.2  | 30.6  | 23.4  | 30.6  | 34.2  |
| 60°    | 1442.9 | 793.4 | 45.0  | 30.6  | 16.2  | 16.2  | 27.0  | 36.0  | 32.4  | 36.0  | 36.0  |
| 62.5°  | 1516.6 | 773.6 | 36.0  | 25.2  | 12.6  | 16.2  | 34.2  | 39.6  | 30.6  | 37.8  | 41.4  |
| 65°    | 1579.6 | 746.6 | 27.0  | 19.8  | 9.0   | 18.0  | 36.0  | 45.0  | 36.0  | 43.2  | 46.8  |
| 67.5°  | 1608.4 | 710.6 | 21.6  | 16.2  | 9.0   | 19.8  | 37.8  | 50.4  | 41.4  | 48.6  | 52.2  |
| 70°    | 1559.8 | 636.9 | 18.0  | 16.2  | 7.2   | 23.4  | 39.6  | 54.0  | 46.8  | 61.2  | 63.0  |
| 72.5°  | 1295.3 | 500.1 | 16.2  | 16.2  | 12.6  | 28.8  | 50.4  | 61.2  | 57.6  | 82.8  | 81.0  |
| 75°    | 858.2  | 273.5 | 16.2  | 14.4  | 16.2  | 34.2  | 61.2  | 72.0  | 63.0  | 93.6  | 93.6  |
| 77.5°  | 395.8  | 120.5 | 14.4  | 16.2  | 18.0  | 37.8  | 70.2  | 86.4  | 72.0  | 106.1 | 104.3 |
| 80°    | 172.7  | 73.8  | 14.4  | 14.4  | 19.8  | 41.4  | 79.2  | 97.2  | 79.2  | 116.9 | 116.9 |
| 82.5°  | 129.5  | 66.6  | 12.6  | 14.4  | 27.0  | 46.8  | 91.8  | 107.9 | 88.2  | 125.9 | 124.1 |
| 85°    | 120.5  | 63.0  | 14.4  | 16.2  | 30.6  | 59.4  | 107.9 | 116.9 | 91.8  | 129.5 | 129.5 |
| 87.5°  | 122.3  | 61.2  | 14.4  | 16.2  | 41.4  | 75.6  | 122.3 | 125.9 | 100.7 | 136.7 | 136.7 |
| 90°    | 125.9  | 63.0  | 16.2  | 18.0  | 46.8  | 82.8  | 136.7 | 134.9 | 113.3 | 143.9 | 143.9 |
| 92.5°  | 134.9  | 63.0  | 18.0  | 19.8  | 50.4  | 91.8  | 149.3 | 138.5 | 122.3 | 149.3 | 145.7 |
| 95°    | 140.3  | 63.0  | 19.8  | 21.6  | 59.4  | 100.7 | 158.3 | 134.9 | 129.5 | 138.5 | 134.9 |
| 97.5°  | 104.3  | 46.8  | 23.4  | 25.2  | 61.2  | 113.3 | 145.7 | 115.1 | 84.6  | 82.8  | 84.6  |
| 100°   | 34.2   | 16.2  | 25.2  | 27.0  | 39.6  | 79.2  | 107.9 | 82.8  | 45.0  | 34.2  | 34.2  |
| 102.5° | 9.0    | 9.0   | 23.4  | 25.2  | 21.6  | 34.2  | 63.0  | 54.0  | 30.6  | 1.8   | 3.6   |
| 105°   | 9.0    | 7.2   | 14.4  | 19.8  | 12.6  | 9.0   | 25.2  | 30.6  | 23.4  | 1.8   | 1.8   |
| 107.5° | 9.0    | 7.2   | 7.2   | 10.8  | 3.6   | 3.6   | 7.2   | 7.2   | 7.2   | 1.8   | 1.8   |



REPORT NUMBER: P560393

CATALOG NUMBER: SDL-PA1-40-740-U-T4W-HSS-A

**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|-----|------|------|------|------|------|------|------|------|------|
| 112.5° | 10.8 | 7.2 | 3.6  | 3.6  | 3.6  | 1.8  | 1.8  | 1.8  | 1.8  | 5.4  | 7.2  |
| 115°   | 9.0  | 7.2 | 1.8  | 3.6  | 1.8  | 1.8  | 1.8  | 1.8  | 3.6  | 7.2  | 9.0  |
| 117.5° | 9.0  | 7.2 | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 3.6  | 9.0  | 10.8 |
| 120°   | 10.8 | 9.0 | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 3.6  | 10.8 | 10.8 |
| 122.5° | 10.8 | 9.0 | 1.8  | 1.8  | 1.8  | 1.8  | 0.0  | 1.8  | 5.4  | 10.8 | 10.8 |
| 125°   | 10.8 | 9.0 | 1.8  | 1.8  | 1.8  | 0.0  | 0.0  | 1.8  | 5.4  | 10.8 | 12.6 |
| 127.5° | 9.0  | 7.2 | 1.8  | 1.8  | 1.8  | 0.0  | 0.0  | 1.8  | 3.6  | 9.0  | 10.8 |
| 130°   | 7.2  | 5.4 | 1.8  | 1.8  | 1.8  | 0.0  | 0.0  | 0.0  | 3.6  | 9.0  | 9.0  |
| 132.5° | 5.4  | 3.6 | 1.8  | 1.8  | 1.8  | 0.0  | 0.0  | 0.0  | 3.6  | 7.2  | 7.2  |
| 135°   | 3.6  | 3.6 | 1.8  | 1.8  | 1.8  | 0.0  | 0.0  | 0.0  | 1.8  | 5.4  | 5.4  |
| 137.5° | 1.8  | 1.8 | 1.8  | 1.8  | 1.8  | 0.0  | 0.0  | 0.0  | 1.8  | 1.8  | 1.8  |
| 140°   | 1.8  | 1.8 | 1.8  | 1.8  | 1.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 1.8  | 1.8 | 1.8  | 1.8  | 1.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 1.8  | 1.8 | 1.8  | 1.8  | 1.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 1.8  | 1.8 | 1.8  | 1.8  | 1.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 1.8  | 1.8 | 1.8  | 1.8  | 1.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 1.8  | 1.8 | 1.8  | 1.8  | 1.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 3.6  | 3.6 | 1.8  | 1.8  | 1.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 1.8  | 1.8 | 1.8  | 1.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 1.8  | 1.8 | 1.8  | 1.8  | 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  |



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110° |      9.0      9.0      3.6      3.6      1.8      1.8      1.8      3.6      3.6      9.0





|      |     |     |     |     |     |     |     |     |     |     |     |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 9.0 | 7.2 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 1.8 | 1.8 | 3.6 | 3.6 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|



(END OF REPORT)