

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: P560798

Luminaire Tested: **SDL-PA1-60-827-U-T2R-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-60-827-U-T2R-A  
Description: Springdale  
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS  
AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4517.1 lumens  
Efficiency: N/A  
Efficacy: 72.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U3 - G2

Input Watts (W): 62.4  
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

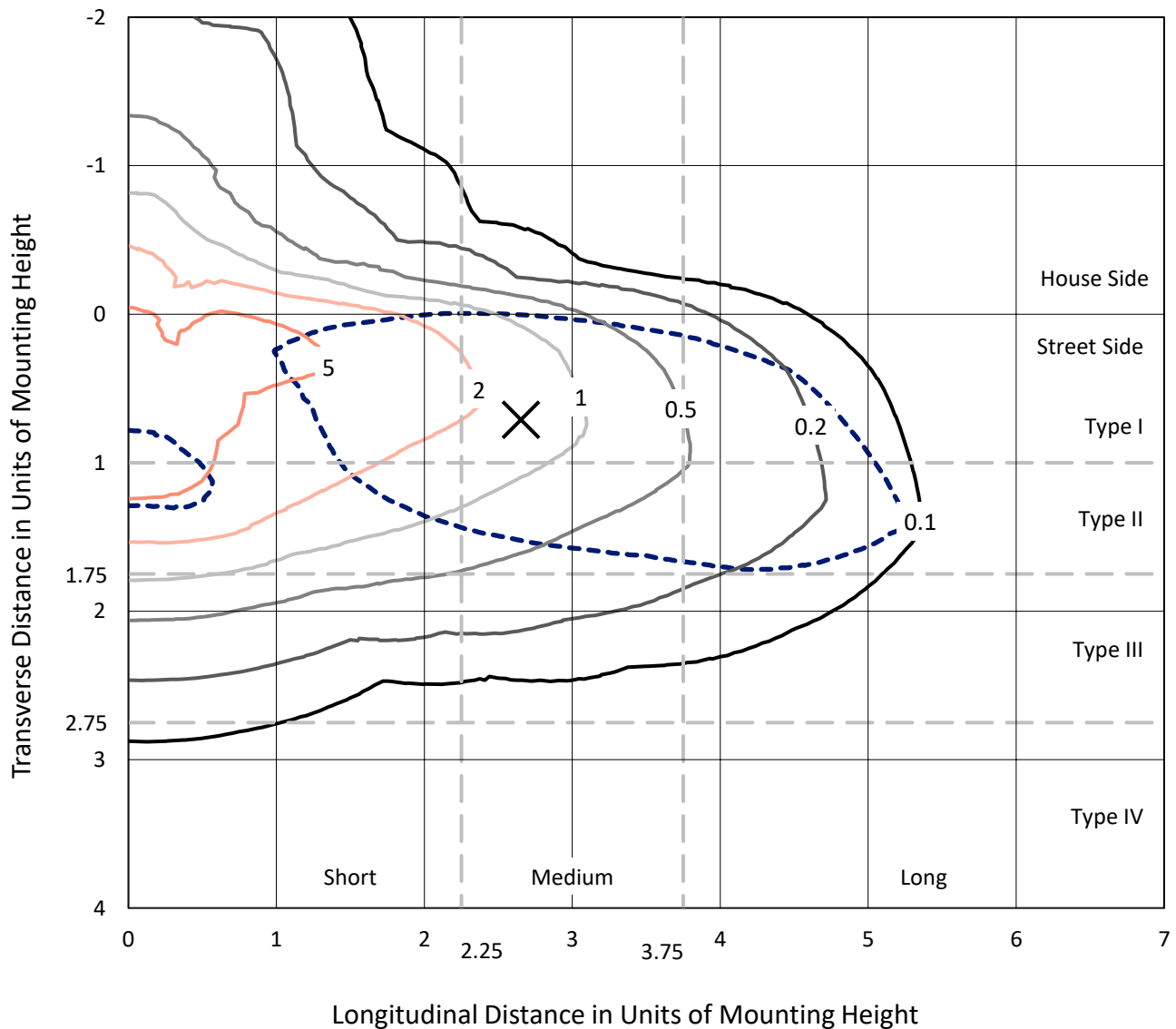


REPORT NUMBER: P560798

CATALOG NUMBER: SDL-PA1-60-827-U-T2R-A

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

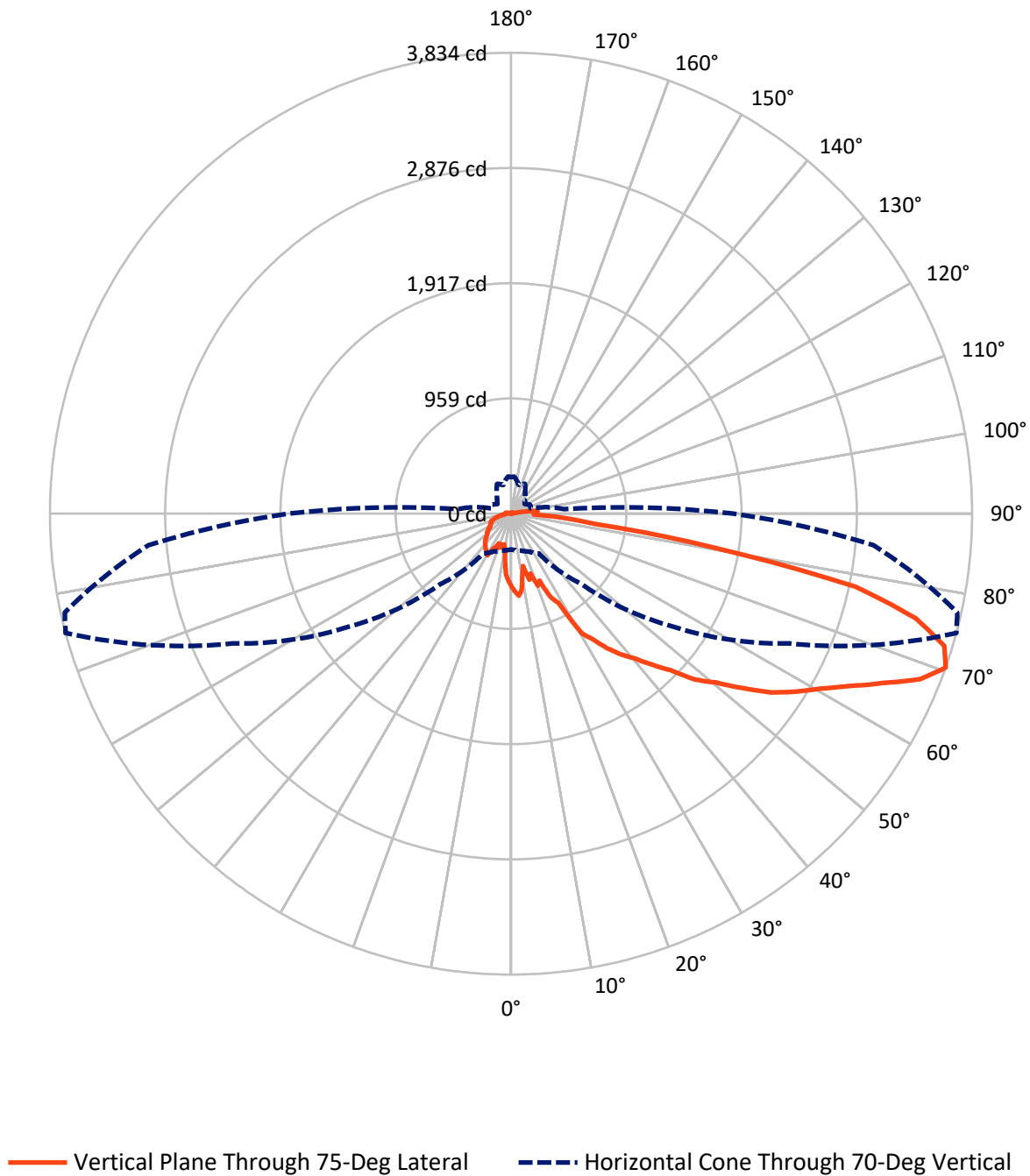


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc  
Type II - Medium - N/A

REPORT NUMBER: P560798

CATALOG NUMBER: SDL-PA1-60-827-U-T2R-A

## Luminous Intensity Polar Plot



REPORT NUMBER: P560798

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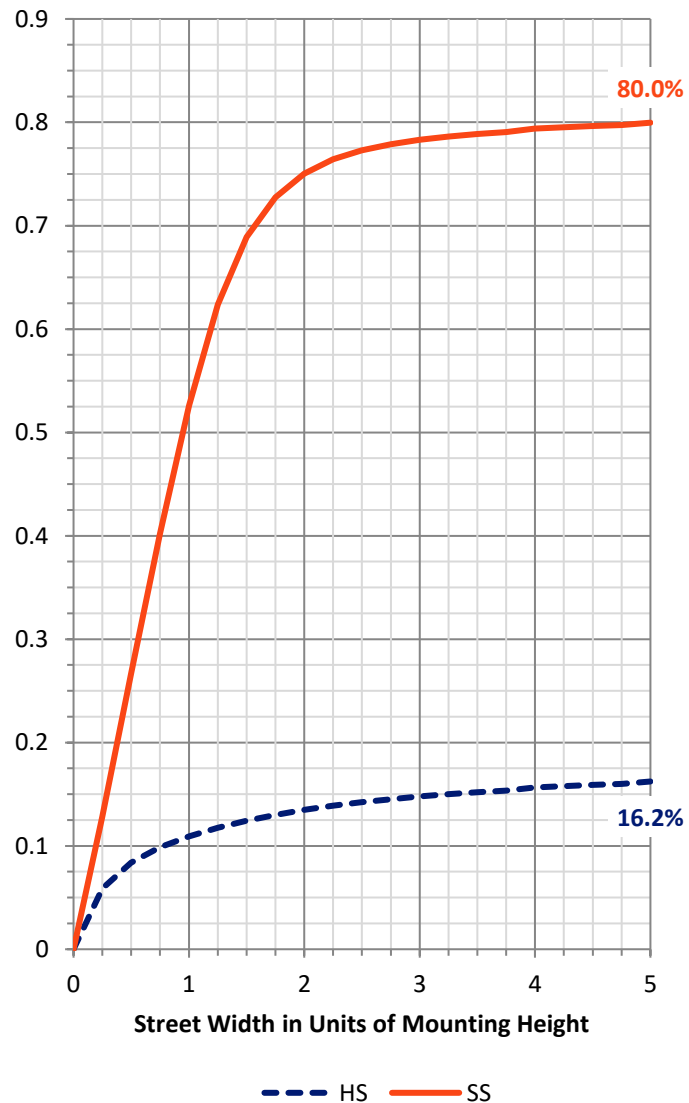
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 772.2    | 46.2   | 818.4  |
|                    | % Fixture | 17.1     | 1.0    | 18.1   |
| <b>Street Side</b> | Lumens    | 3640.2   | 58.4   | 3698.7 |
|                    | % Fixture | 80.6     | 1.3    | 81.9   |
| <b>Total</b>       | Lumens    | 4412.4   | 104.6  | 4517.1 |
|                    | % Fixture | 97.7     | 2.3    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 50.4   | 1.1       |
| 10°-20°   | 131.7  | 2.9       |
| 20°-30°   | 237.9  | 5.3       |
| 30°-40°   | 486.0  | 10.8      |
| 40°-50°   | 763.3  | 16.9      |
| 50°-60°   | 937.3  | 20.7      |
| 60°-70°   | 932.2  | 20.6      |
| 70°-80°   | 689.5  | 15.3      |
| 80°-90°   | 184.2  | 4.1       |
| 90°-100°  | 68.1   | 1.5       |
| 100°-110° | 15.9   | 0.4       |
| 110°-120° | 7.5    | 0.2       |
| 120°-130° | 6.7    | 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°    | 4412.4 | 97.7      |
| 0°-180°   | 4517.1 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P560798

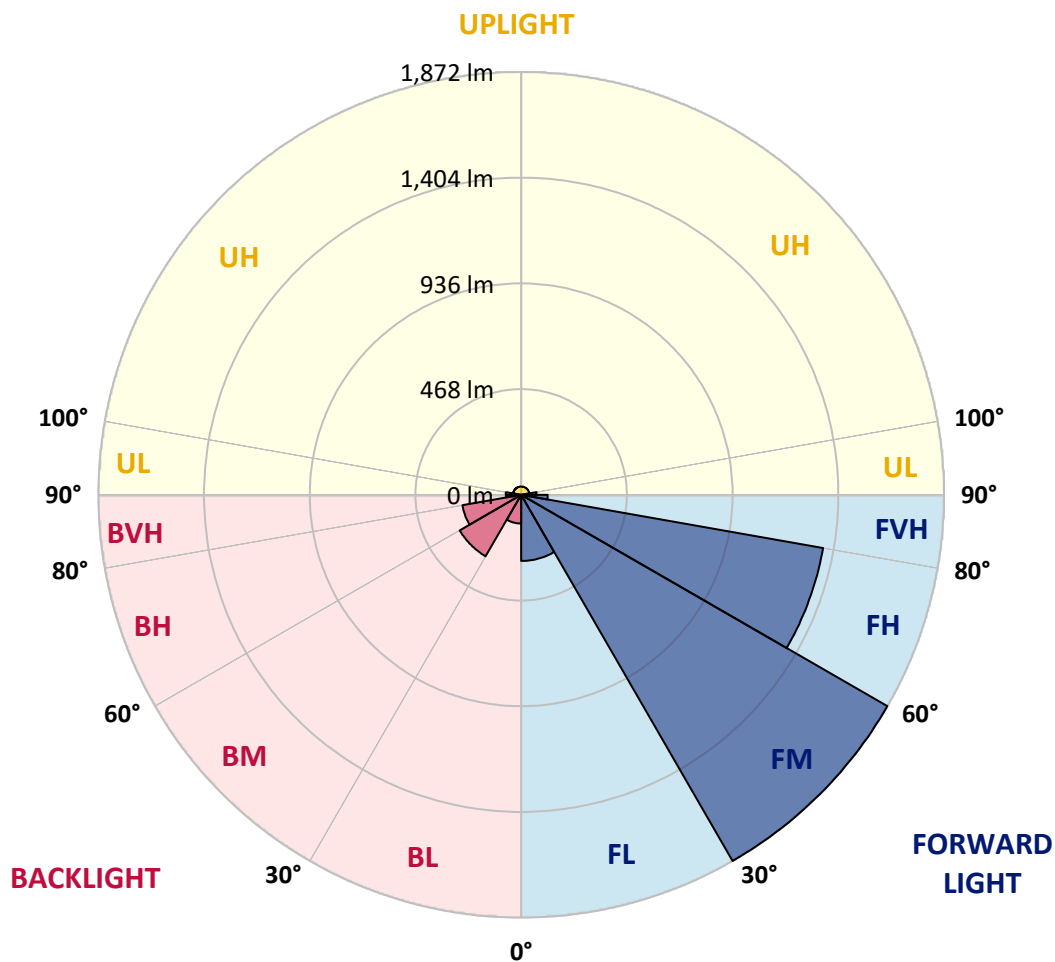
CATALOG NUMBER: SDL-PA1-60-827-U-T2R-A

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 292.8  | 6.5       |                         |        |         |
| FM   | (30°-60°)   | 1872.4 | 41.5      |                         |        |         |
| FH   | (60°-80°)   | 1357.5 | 30.1      |                         |        | G1/1800 |
| FVH  | (80°-90°)   | 117.6  | 2.6       |                         |        | G2/225  |
| BL   | (0°-30°)    | 127.3  | 2.8       | B1/500                  |        |         |
| BM   | (30°-60°)   | 314.2  | 7.0       | B1/1000                 |        |         |
| BH   | (60°-80°)   | 264.1  | 5.8       | B1/500                  |        | G1/500  |
| BVH  | (80°-90°)   | 66.6   | 1.5       |                         |        | G1/100  |
| UL   | (90°-100°)  | 68.1   | 1.5       |                         | U3/500 |         |
| UH   | (100°-180°) | 36.5   | 0.8       |                         | U2/50  |         |

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

Type II Medium



REPORT NUMBER: P560798

CATALOG NUMBER: SDL-PA1-60-827-U-T2R-A

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77.5°  | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 605.5  | 605.5  | 605.5  | 605.5  | 605.5  | 605.5  | 605.5  | 605.5  | 605.5  | 605.5  | 605.5  |
| 2.5°   | 628.4  | 663.7  | 679.6  | 697.2  | 713.1  | 704.3  | 690.2  | 669.0  | 649.6  | 642.5  | 621.3  |
| 5°     | 693.7  | 690.2  | 688.4  | 683.1  | 674.3  | 658.4  | 639.0  | 714.9  | 684.9  | 672.5  | 637.2  |
| 7.5°   | 610.8  | 707.8  | 718.4  | 729.0  | 725.5  | 706.1  | 681.4  | 612.5  | 639.0  | 623.1  | 579.0  |
| 10°    | 746.7  | 746.7  | 743.1  | 746.7  | 706.1  | 674.3  | 577.2  | 536.6  | 517.2  | 559.6  | 519.0  |
| 12.5°  | 635.5  | 691.9  | 762.6  | 776.7  | 714.9  | 626.6  | 586.0  | 566.6  | 446.6  | 441.3  | 473.1  |
| 15°    | 739.6  | 748.4  | 750.2  | 753.7  | 609.0  | 656.6  | 541.9  | 503.1  | 570.2  | 554.3  | 559.6  |
| 17.5°  | 594.9  | 603.7  | 718.4  | 711.4  | 654.9  | 524.3  | 633.7  | 568.4  | 524.3  | 504.8  | 497.8  |
| 20°    | 748.4  | 750.2  | 744.9  | 601.9  | 631.9  | 684.9  | 593.1  | 575.4  | 639.0  | 637.2  | 610.8  |
| 22.5°  | 637.2  | 639.0  | 658.4  | 725.5  | 653.1  | 691.9  | 596.6  | 718.4  | 605.5  | 607.2  | 471.3  |
| 25°    | 852.6  | 854.3  | 836.7  | 646.1  | 734.3  | 649.6  | 723.7  | 646.1  | 773.1  | 748.4  | 690.2  |
| 27.5°  | 894.9  | 829.6  | 762.6  | 801.4  | 700.8  | 806.7  | 688.4  | 782.0  | 840.2  | 834.9  | 843.8  |
| 30°    | 1135.0 | 1138.5 | 1092.6 | 877.3  | 820.8  | 796.1  | 794.3  | 928.5  | 1150.9 | 1159.7 | 1013.2 |
| 32.5°  | 1537.5 | 1516.3 | 1290.3 | 1082.1 | 884.4  | 970.8  | 891.4  | 1075.0 | 1244.5 | 1239.2 | 1085.6 |
| 35°    | 1721.0 | 1699.9 | 1615.1 | 1336.2 | 1022.0 | 1048.5 | 1006.2 | 1143.8 | 1373.3 | 1332.7 | 1158.0 |
| 37.5°  | 1876.4 | 1872.9 | 1802.2 | 1472.2 | 1161.5 | 1200.3 | 1075.0 | 1228.6 | 1484.5 | 1442.2 | 1232.1 |
| 40°    | 2010.5 | 1998.2 | 1936.4 | 1594.0 | 1304.5 | 1306.2 | 1161.5 | 1330.9 | 1583.4 | 1594.0 | 1304.5 |
| 42.5°  | 2121.7 | 2111.2 | 2060.0 | 1715.8 | 1389.2 | 1399.8 | 1253.3 | 1435.1 | 1715.8 | 1735.2 | 1417.4 |
| 45°    | 2167.6 | 2172.9 | 2137.6 | 1825.2 | 1465.1 | 1484.5 | 1362.7 | 1541.0 | 1857.0 | 1872.9 | 1518.1 |
| 47.5°  | 2201.2 | 2202.9 | 2194.1 | 1915.2 | 1546.3 | 1555.1 | 1470.4 | 1636.3 | 2061.7 | 2030.0 | 1636.3 |
| 50°    | 2125.3 | 2118.2 | 2127.0 | 1984.1 | 1616.9 | 1627.5 | 1560.4 | 1735.2 | 2208.2 | 2167.6 | 1759.9 |
| 52.5°  | 1925.8 | 1934.6 | 2026.4 | 1948.8 | 1639.9 | 1661.0 | 1645.1 | 1821.7 | 2411.2 | 2379.5 | 1936.4 |
| 55°    | 1424.5 | 1463.3 | 1728.1 | 1804.0 | 1638.1 | 1675.2 | 1722.8 | 1985.8 | 2624.8 | 2577.2 | 2086.4 |
| 57.5°  | 1152.7 | 1152.7 | 1308.0 | 1556.9 | 1548.1 | 1666.3 | 1802.2 | 2097.0 | 2794.3 | 2760.7 | 2236.5 |
| 60°    | 925.0  | 925.0  | 1009.7 | 1235.6 | 1373.3 | 1622.2 | 1883.4 | 2261.2 | 2954.9 | 2935.5 | 2368.9 |
| 62.5°  | 725.5  | 723.7  | 794.3  | 921.4  | 1126.2 | 1525.1 | 1925.8 | 2402.4 | 3156.1 | 3152.6 | 2580.7 |
| 65°    | 524.3  | 531.3  | 591.3  | 670.8  | 884.4  | 1343.3 | 1924.0 | 2529.5 | 3398.0 | 3408.6 | 2819.0 |
| 67.5°  | 388.3  | 391.9  | 425.4  | 483.7  | 607.2  | 1113.8 | 1839.3 | 2617.8 | 3671.6 | 3653.9 | 2970.8 |
| 70°    | 298.3  | 303.6  | 317.7  | 347.7  | 404.2  | 827.9  | 1634.6 | 2556.0 | 3834.0 | 3800.4 | 3027.3 |
| 72.5°  | 250.7  | 252.4  | 250.7  | 266.5  | 270.1  | 561.3  | 1309.8 | 2321.2 | 3766.9 | 3713.9 | 2871.9 |
| 75°    | 213.6  | 211.8  | 210.1  | 213.6  | 199.5  | 370.7  | 939.1  | 1964.6 | 3477.4 | 3385.6 | 2536.6 |
| 77.5°  | 183.6  | 181.8  | 174.8  | 176.5  | 158.9  | 273.6  | 640.8  | 1541.0 | 2930.2 | 2714.8 | 1906.4 |
| 80°    | 151.8  | 151.8  | 146.5  | 146.5  | 134.2  | 208.3  | 409.5  | 1062.6 | 1706.9 | 1535.7 | 992.0  |
| 82.5°  | 118.3  | 116.5  | 116.5  | 120.0  | 114.7  | 162.4  | 268.3  | 529.6  | 704.3  | 660.2  | 464.2  |
| 85°    | 63.5   | 63.5   | 72.4   | 81.2   | 79.4   | 98.8   | 204.8  | 312.4  | 416.6  | 402.5  | 259.5  |
| 87.5°  | 19.4   | 19.4   | 21.2   | 26.5   | 28.2   | 53.0   | 128.9  | 151.8  | 188.9  | 208.3  | 204.8  |
| 90°    | 21.2   | 19.4   | 14.1   | 15.9   | 17.7   | 38.8   | 120.0  | 146.5  | 190.6  | 211.8  | 217.1  |
| 92.5°  | 24.7   | 22.9   | 14.1   | 14.1   | 17.7   | 31.8   | 114.7  | 143.0  | 208.3  | 229.5  | 234.8  |
| 95°    | 26.5   | 24.7   | 14.1   | 14.1   | 17.7   | 28.2   | 102.4  | 141.2  | 222.4  | 250.7  | 250.7  |
| 97.5°  | 24.7   | 22.9   | 10.6   | 12.4   | 15.9   | 24.7   | 79.4   | 116.5  | 155.3  | 171.2  | 197.7  |
| 100°   | 21.2   | 21.2   | 7.1    | 10.6   | 14.1   | 17.7   | 45.9   | 63.5   | 45.9   | 44.1   | 44.1   |
| 102.5° | 19.4   | 19.4   | 7.1    | 8.8    | 10.6   | 12.4   | 21.2   | 33.5   | 10.6   | 12.4   | 15.9   |
| 105°   | 19.4   | 21.2   | 5.3    | 7.1    | 7.1    | 7.1    | 10.6   | 17.7   | 8.8    | 10.6   | 15.9   |
| 107.5° | 19.4   | 21.2   | 5.3    | 5.3    | 7.1    | 5.3    | 5.3    | 7.1    | 8.8    | 10.6   | 17.7   |
| 110°   | 17.7   | 17.7   | 3.5    | 5.3    | 5.3    | 5.3    | 3.5    | 5.3    | 8.8    | 12.4   | 17.7   |

REPORT NUMBER: P560798

CATALOG NUMBER: SDL-PA1-60-827-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15°  | 25° | 35° | 45° | 55° | 65° | 75°  | 77.5° | 85°  |
|--------|------|------|------|-----|-----|-----|-----|-----|------|-------|------|
| 112.5° | 12.4 | 12.4 | 3.5  | 5.3 | 5.3 | 5.3 | 3.5 | 5.3 | 8.8  | 12.4  | 17.7 |
| 115°   | 8.8  | 7.1  | 3.5  | 5.3 | 3.5 | 5.3 | 3.5 | 5.3 | 8.8  | 12.4  | 15.9 |
| 117.5° | 7.1  | 5.3  | 3.5  | 3.5 | 3.5 | 3.5 | 1.8 | 5.3 | 10.6 | 14.1  | 19.4 |
| 120°   | 7.1  | 7.1  | 3.5  | 3.5 | 3.5 | 3.5 | 1.8 | 5.3 | 15.9 | 17.7  | 24.7 |
| 122.5° | 7.1  | 7.1  | 3.5  | 3.5 | 3.5 | 3.5 | 1.8 | 3.5 | 14.1 | 19.4  | 26.5 |
| 125°   | 7.1  | 7.1  | 3.5  | 3.5 | 3.5 | 3.5 | 1.8 | 3.5 | 12.4 | 17.7  | 22.9 |
| 127.5° | 7.1  | 7.1  | 3.5  | 1.8 | 3.5 | 3.5 | 3.5 | 3.5 | 10.6 | 14.1  | 19.4 |
| 130°   | 7.1  | 7.1  | 3.5  | 1.8 | 3.5 | 3.5 | 3.5 | 3.5 | 8.8  | 10.6  | 15.9 |
| 132.5° | 5.3  | 5.3  | 3.5  | 1.8 | 3.5 | 1.8 | 1.8 | 3.5 | 7.1  | 8.8   | 12.4 |
| 135°   | 3.5  | 3.5  | 3.5  | 1.8 | 3.5 | 1.8 | 1.8 | 1.8 | 3.5  | 5.3   | 8.8  |
| 137.5° | 1.8  | 3.5  | 1.8  | 1.8 | 3.5 | 1.8 | 1.8 | 1.8 | 1.8  | 1.8   | 3.5  |
| 140°   | 1.8  | 1.8  | 1.8  | 1.8 | 3.5 | 1.8 | 1.8 | 1.8 | 1.8  | 1.8   | 1.8  |
| 142.5° | 1.8  | 1.8  | 1.8  | 1.8 | 3.5 | 3.5 | 1.8 | 1.8 | 1.8  | 1.8   | 1.8  |
| 145°   | 1.8  | 1.8  | 1.8  | 1.8 | 5.3 | 3.5 | 1.8 | 1.8 | 1.8  | 1.8   | 1.8  |
| 147.5° | 1.8  | 1.8  | 1.8  | 7.1 | 5.3 | 3.5 | 1.8 | 1.8 | 1.8  | 1.8   | 1.8  |
| 150°   | 8.8  | 8.8  | 8.8  | 7.1 | 5.3 | 3.5 | 5.3 | 1.8 | 1.8  | 1.8   | 1.8  |
| 152.5° | 8.8  | 8.8  | 10.6 | 5.3 | 3.5 | 1.8 | 1.8 | 7.1 | 5.3  | 3.5   | 3.5  |
| 155°   | 7.1  | 5.3  | 5.3  | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 5.3  | 7.1   | 7.1  |
| 157.5° | 1.8  | 1.8  | 3.5  | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 3.5  | 1.8   | 1.8  |
| 160°   | 0.0  | 0.0  | 0.0  | 1.8 | 1.8 | 1.8 | 1.8 | 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  |

REPORT NUMBER: P560798

CATALOG NUMBER: SDL-PA1-60-827-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 605.5  | 605.5 | 605.5 | 605.5 | 605.5 | 605.5 | 605.5 | 605.5 | 605.5 | 605.5 | 605.5 |
| 2.5°   | 609.0  | 594.9 | 561.3 | 536.6 | 506.6 | 480.1 | 457.2 | 406.0 | 397.2 | 391.9 | 390.1 |
| 5°     | 609.0  | 579.0 | 513.7 | 434.2 | 372.5 | 358.3 | 351.3 | 351.3 | 347.7 | 349.5 | 351.3 |
| 7.5°   | 540.1  | 499.5 | 400.7 | 338.9 | 349.5 | 349.5 | 351.3 | 342.4 | 314.2 | 317.7 | 312.4 |
| 10°    | 473.1  | 421.9 | 301.8 | 275.4 | 301.8 | 303.6 | 344.2 | 360.1 | 365.4 | 367.2 | 367.2 |
| 12.5°  | 436.0  | 363.6 | 261.2 | 270.1 | 243.6 | 278.9 | 328.3 | 367.2 | 333.6 | 316.0 | 316.0 |
| 15°    | 501.3  | 430.7 | 293.0 | 236.5 | 240.1 | 278.9 | 248.9 | 347.7 | 360.1 | 363.6 | 363.6 |
| 17.5°  | 450.1  | 379.5 | 268.3 | 243.6 | 268.3 | 229.5 | 280.7 | 319.5 | 305.4 | 289.5 | 287.7 |
| 20°    | 540.1  | 448.4 | 300.1 | 238.3 | 236.5 | 271.8 | 248.9 | 261.2 | 326.6 | 328.3 | 326.6 |
| 22.5°  | 420.1  | 358.3 | 266.5 | 270.1 | 236.5 | 259.5 | 245.4 | 270.1 | 257.7 | 256.0 | 257.7 |
| 25°    | 582.5  | 464.2 | 307.1 | 233.0 | 247.1 | 229.5 | 247.1 | 227.7 | 273.6 | 277.1 | 278.9 |
| 27.5°  | 713.1  | 554.3 | 326.6 | 252.4 | 215.4 | 234.8 | 220.6 | 227.7 | 211.8 | 220.6 | 224.2 |
| 30°    | 849.1  | 646.1 | 398.9 | 278.9 | 227.7 | 201.2 | 204.8 | 203.0 | 229.5 | 227.7 | 224.2 |
| 32.5°  | 893.2  | 658.4 | 381.3 | 291.3 | 225.9 | 203.0 | 187.1 | 199.5 | 218.9 | 234.8 | 236.5 |
| 35°    | 937.3  | 667.2 | 367.2 | 278.9 | 220.6 | 190.6 | 183.6 | 204.8 | 220.6 | 222.4 | 227.7 |
| 37.5°  | 988.5  | 674.3 | 353.0 | 261.2 | 204.8 | 187.1 | 181.8 | 190.6 | 225.9 | 222.4 | 217.1 |
| 40°    | 1036.2 | 677.8 | 335.4 | 245.4 | 187.1 | 183.6 | 169.5 | 190.6 | 199.5 | 206.5 | 210.1 |
| 42.5°  | 1120.9 | 699.0 | 321.3 | 231.2 | 174.8 | 174.8 | 162.4 | 178.3 | 204.8 | 208.3 | 206.5 |
| 45°    | 1182.7 | 691.9 | 301.8 | 218.9 | 162.4 | 155.3 | 158.9 | 194.2 | 206.5 | 227.7 | 224.2 |
| 47.5°  | 1270.9 | 709.6 | 278.9 | 199.5 | 151.8 | 143.0 | 150.0 | 188.9 | 211.8 | 227.7 | 231.2 |
| 50°    | 1357.4 | 706.1 | 259.5 | 183.6 | 144.7 | 135.9 | 165.9 | 183.6 | 208.3 | 234.8 | 234.8 |
| 52.5°  | 1470.4 | 711.4 | 250.7 | 169.5 | 135.9 | 135.9 | 171.2 | 185.3 | 213.6 | 231.2 | 231.2 |
| 55°    | 1571.0 | 691.9 | 229.5 | 164.2 | 134.2 | 130.6 | 173.0 | 192.4 | 215.4 | 231.2 | 233.0 |
| 57.5°  | 1645.1 | 653.1 | 213.6 | 158.9 | 132.4 | 134.2 | 173.0 | 208.3 | 201.2 | 231.2 | 236.5 |
| 60°    | 1726.3 | 610.8 | 199.5 | 158.9 | 132.4 | 139.4 | 178.3 | 220.6 | 220.6 | 241.8 | 241.8 |
| 62.5°  | 1837.6 | 584.3 | 192.4 | 160.6 | 128.9 | 144.7 | 194.2 | 240.1 | 222.4 | 256.0 | 257.7 |
| 65°    | 1931.1 | 549.0 | 187.1 | 167.7 | 130.6 | 151.8 | 203.0 | 256.0 | 233.0 | 271.8 | 270.1 |
| 67.5°  | 1932.9 | 496.0 | 180.0 | 174.8 | 132.4 | 157.1 | 203.0 | 266.5 | 245.4 | 286.0 | 280.7 |
| 70°    | 1848.1 | 443.1 | 169.5 | 174.8 | 137.7 | 162.4 | 203.0 | 273.6 | 247.1 | 308.9 | 303.6 |
| 72.5°  | 1666.3 | 361.9 | 153.6 | 167.7 | 146.5 | 169.5 | 213.6 | 271.8 | 247.1 | 333.6 | 328.3 |
| 75°    | 1417.4 | 289.5 | 132.4 | 153.6 | 146.5 | 178.3 | 220.6 | 270.1 | 238.3 | 317.7 | 307.1 |
| 77.5°  | 1078.5 | 236.5 | 111.2 | 134.2 | 139.4 | 181.8 | 220.6 | 266.5 | 231.2 | 296.5 | 289.5 |
| 80°    | 556.0  | 165.9 | 90.0  | 114.7 | 130.6 | 178.3 | 218.9 | 252.4 | 206.5 | 263.0 | 259.5 |
| 82.5°  | 305.4  | 121.8 | 72.4  | 84.7  | 109.4 | 167.7 | 211.8 | 227.7 | 181.8 | 215.4 | 206.5 |
| 85°    | 197.7  | 88.3  | 58.3  | 68.8  | 91.8  | 139.4 | 178.3 | 180.0 | 128.9 | 155.3 | 146.5 |
| 87.5°  | 148.3  | 51.2  | 37.1  | 42.4  | 63.5  | 77.7  | 113.0 | 116.5 | 81.2  | 95.3  | 90.0  |
| 90°    | 155.3  | 51.2  | 38.8  | 44.1  | 56.5  | 58.3  | 83.0  | 88.3  | 63.5  | 72.4  | 72.4  |
| 92.5°  | 165.9  | 51.2  | 40.6  | 45.9  | 51.2  | 45.9  | 65.3  | 72.4  | 53.0  | 58.3  | 56.5  |
| 95°    | 169.5  | 49.4  | 44.1  | 47.7  | 45.9  | 37.1  | 53.0  | 58.3  | 44.1  | 44.1  | 44.1  |
| 97.5°  | 123.6  | 35.3  | 44.1  | 47.7  | 42.4  | 30.0  | 40.6  | 45.9  | 28.2  | 22.9  | 22.9  |
| 100°   | 33.5   | 17.7  | 42.4  | 45.9  | 37.1  | 24.7  | 35.3  | 35.3  | 17.7  | 12.4  | 12.4  |
| 102.5° | 14.1   | 14.1  | 37.1  | 40.6  | 28.2  | 15.9  | 24.7  | 24.7  | 12.4  | 5.3   | 5.3   |
| 105°   | 14.1   | 10.6  | 26.5  | 30.0  | 19.4  | 8.8   | 12.4  | 14.1  | 8.8   | 5.3   | 5.3   |
| 107.5° | 14.1   | 10.6  | 12.4  | 15.9  | 8.8   | 7.1   | 7.1   | 7.1   | 5.3   | 5.3   | 5.3   |
| 110°   | 15.9   | 10.6  | 7.1   | 8.8   | 7.1   | 5.3   | 5.3   | 5.3   | 5.3   | 7.1   | 8.8   |

REPORT NUMBER: P560798

CATALOG NUMBER: SDL-PA1-60-827-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 17.7 | 12.4 | 7.1  | 8.8  | 7.1  | 5.3  | 5.3  | 5.3  | 7.1  | 15.9 | 15.9 |
| 115°   | 15.9 | 10.6 | 7.1  | 7.1  | 5.3  | 5.3  | 3.5  | 3.5  | 7.1  | 19.4 | 19.4 |
| 117.5° | 17.7 | 12.4 | 7.1  | 7.1  | 5.3  | 3.5  | 3.5  | 3.5  | 8.8  | 22.9 | 22.9 |
| 120°   | 21.2 | 14.1 | 7.1  | 5.3  | 3.5  | 3.5  | 3.5  | 3.5  | 10.6 | 24.7 | 24.7 |
| 122.5° | 22.9 | 15.9 | 7.1  | 5.3  | 3.5  | 1.8  | 3.5  | 5.3  | 12.4 | 24.7 | 24.7 |
| 125°   | 19.4 | 14.1 | 7.1  | 5.3  | 3.5  | 1.8  | 3.5  | 5.3  | 12.4 | 22.9 | 24.7 |
| 127.5° | 17.7 | 12.4 | 7.1  | 3.5  | 3.5  | 1.8  | 1.8  | 5.3  | 10.6 | 17.7 | 21.2 |
| 130°   | 14.1 | 10.6 | 5.3  | 3.5  | 3.5  | 1.8  | 1.8  | 3.5  | 10.6 | 15.9 | 19.4 |
| 132.5° | 12.4 | 8.8  | 5.3  | 3.5  | 3.5  | 1.8  | 1.8  | 3.5  | 10.6 | 14.1 | 14.1 |
| 135°   | 8.8  | 7.1  | 3.5  | 3.5  | 3.5  | 1.8  | 3.5  | 1.8  | 7.1  | 12.4 | 12.4 |
| 137.5° | 5.3  | 3.5  | 3.5  | 3.5  | 3.5  | 1.8  | 1.8  | 1.8  | 5.3  | 7.1  | 7.1  |
| 140°   | 1.8  | 1.8  | 3.5  | 3.5  | 3.5  | 1.8  | 1.8  | 1.8  | 3.5  | 3.5  | 3.5  |
| 142.5° | 1.8  | 1.8  | 3.5  | 3.5  | 3.5  | 1.8  | 1.8  | 1.8  | 3.5  | 3.5  | 3.5  |
| 145°   | 1.8  | 1.8  | 1.8  | 3.5  | 3.5  | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 3.5  |
| 147.5° | 1.8  | 1.8  | 1.8  | 3.5  | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 3.5  |
| 150°   | 1.8  | 1.8  | 1.8  | 3.5  | 3.5  | 1.8  | 1.8  | 3.5  | 3.5  | 3.5  | 3.5  |
| 152.5° | 1.8  | 1.8  | 3.5  | 3.5  | 1.8  | 1.8  | 1.8  | 3.5  | 3.5  | 3.5  | 3.5  |
| 155°   | 5.3  | 5.3  | 3.5  | 3.5  | 1.8  | 1.8  | 0.0  | 1.8  | 3.5  | 3.5  | 3.5  |
| 157.5° | 1.8  | 1.8  | 3.5  | 1.8  | 1.8  | 1.8  | 0.0  | 1.8  | 1.8  | 1.8  | 1.8  |
| 160°   | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 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  |

(END OF REPORT)