

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: P560094

Luminaire Tested: **SDL-PA1-20-827-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560094
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-PA1-20-827-U-T2R-A
Description: Springdale
(1) 80 CRI, 2700K, 260mA 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: 1660.5 lumens
Efficiency: N/A
Efficacy: 79.1 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: B0 - U2 - G1

Input Watts (W): 21
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

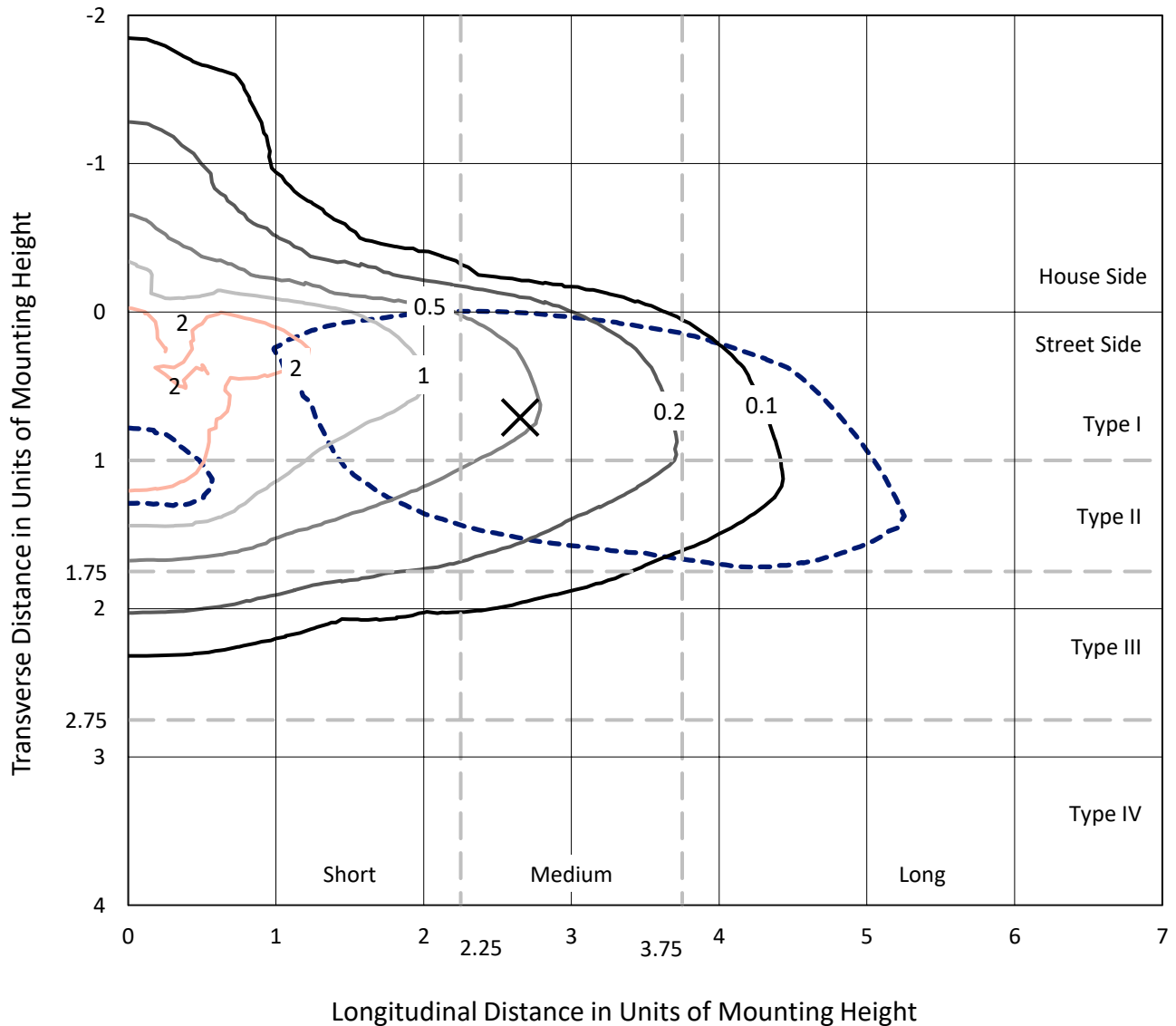


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Iso-Footcandle Lines of Horizontal Illumination

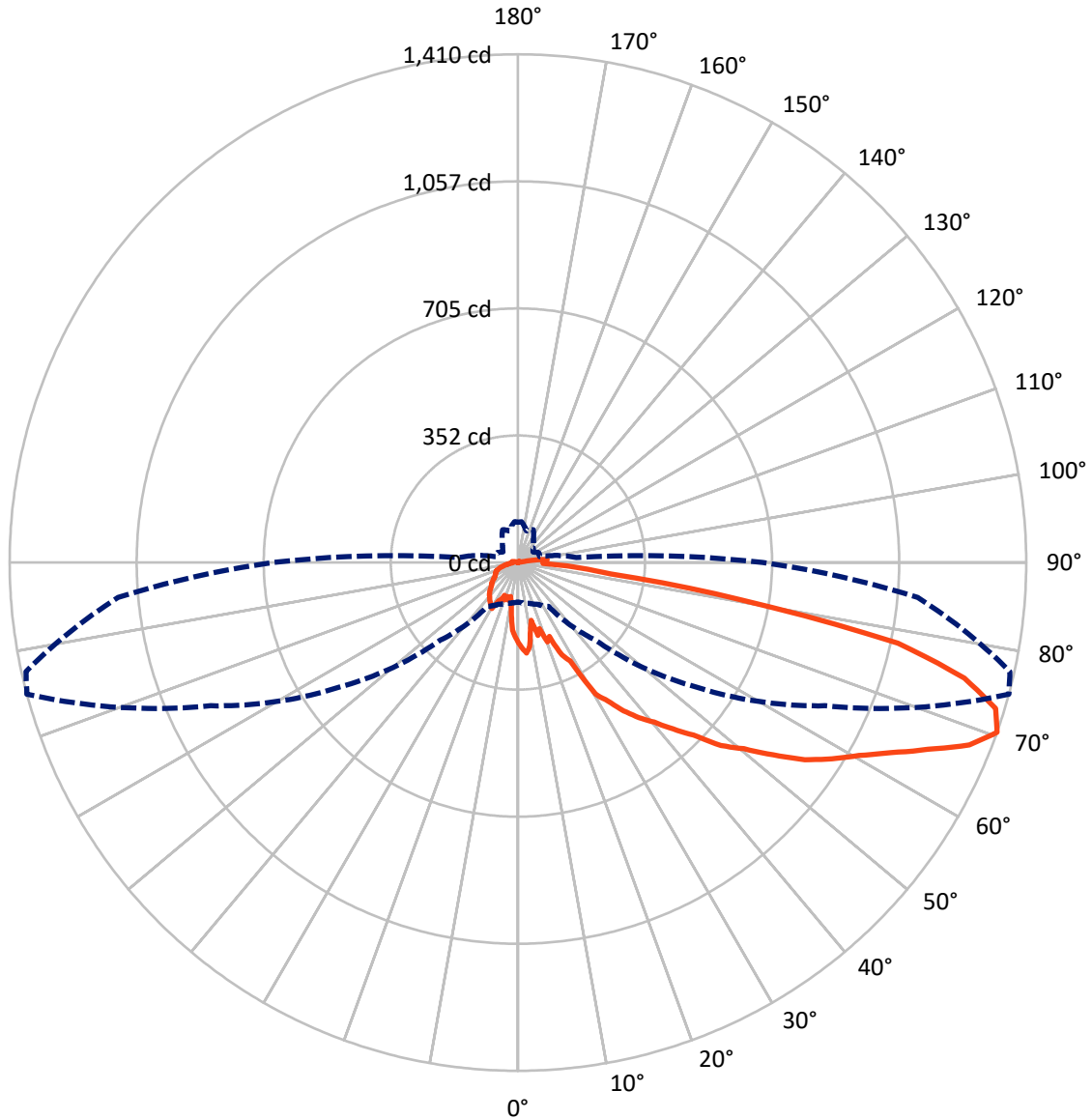
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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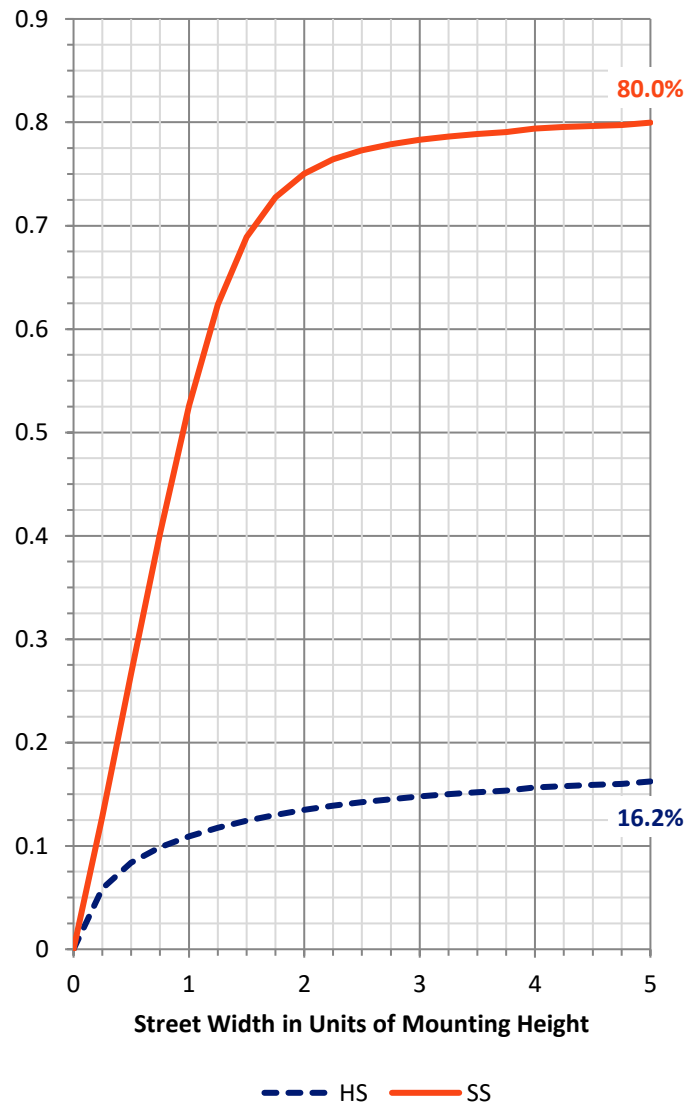
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 283.9 | 16.9 | 300.8 |
| | % Fixture | 17.1 | 1.0 | 18.1 |
| Street Side | Lumens | 1338.3 | 21.4 | 1359.7 |
| | % Fixture | 80.6 | 1.3 | 81.9 |
| Total | Lumens | 1622.2 | 38.3 | 1660.5 |
| | % Fixture | 97.7 | 2.3 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 18.5 | 1.1 |
| 10°-20° | 48.4 | 2.9 |
| 20°-30° | 87.4 | 5.3 |
| 30°-40° | 178.7 | 10.8 |
| 40°-50° | 280.6 | 16.9 |
| 50°-60° | 344.6 | 20.8 |
| 60°-70° | 342.7 | 20.6 |
| 70°-80° | 253.5 | 15.3 |
| 80°-90° | 67.7 | 4.1 |
| 90°-100° | 25.0 | 1.5 |
| 100°-110° | 5.8 | 0.4 |
| 110°-120° | 2.7 | 0.2 |
| 120°-130° | 2.5 | 0.1 |
| 130°-140° | 1.2 | 0.1 |
| 140°-150° | 0.6 | 0.0 |
| 150°-160° | 0.5 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 1622.2 | 97.7 |
| 0°-180° | 1660.5 | 100.0 |



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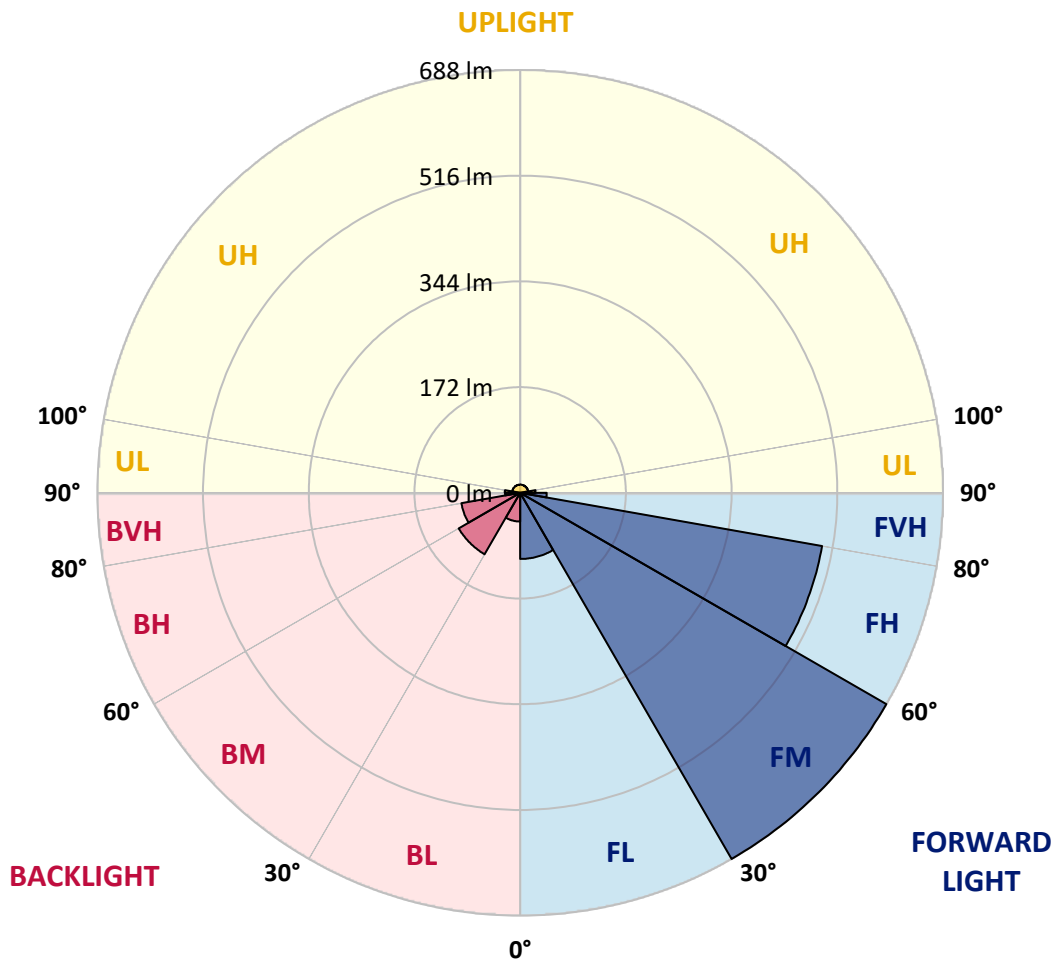
CATALOG NUMBER: SDL-PA1-20-827-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 107.6 | 6.5 | | | |
| FM | (30°-60°) | 688.4 | 41.5 | | | |
| FH | (60°-80°) | 499.1 | 30.1 | | | G0/660 |
| FVH | (80°-90°) | 43.2 | 2.6 | | | G1/100 |
| BL | (0°-30°) | 46.8 | 2.8 | B0/110 | | |
| BM | (30°-60°) | 115.5 | 7.0 | B0/220 | | |
| BH | (60°-80°) | 97.1 | 5.8 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 24.5 | 1.5 | | | G1/100 |
| UL | (90°-100°) | 25.0 | 1.5 | | U2/50 | |
| UH | (100°-180°) | 13.3 | 0.8 | | U2/50 | |

BUG Rating: B0-U2-G1

Type II Medium





REPORT NUMBER: P560094

CATALOG NUMBER: SDL-PA1-20-827-U-T2R-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77.5° | 85° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 222.6 | 222.6 | 222.6 | 222.6 | 222.6 | 222.6 | 222.6 | 222.6 | 222.6 | 222.6 | 222.6 |
| 2.5° | 231.0 | 244.0 | 249.8 | 256.3 | 262.2 | 258.9 | 253.7 | 246.0 | 238.8 | 236.2 | 228.4 |
| 5° | 255.0 | 253.7 | 253.1 | 251.1 | 247.9 | 242.1 | 234.9 | 262.8 | 251.8 | 247.2 | 234.3 |
| 7.5° | 224.5 | 260.2 | 264.1 | 268.0 | 266.7 | 259.6 | 250.5 | 225.2 | 234.9 | 229.1 | 212.9 |
| 10° | 274.5 | 274.5 | 273.2 | 274.5 | 259.6 | 247.9 | 212.2 | 197.3 | 190.1 | 205.7 | 190.8 |
| 12.5° | 233.6 | 254.4 | 280.3 | 285.5 | 262.8 | 230.4 | 215.5 | 208.3 | 164.2 | 162.2 | 173.9 |
| 15° | 271.9 | 275.2 | 275.8 | 277.1 | 223.9 | 241.4 | 199.2 | 185.0 | 209.6 | 203.8 | 205.7 |
| 17.5° | 218.7 | 221.9 | 264.1 | 261.5 | 240.8 | 192.7 | 233.0 | 209.0 | 192.7 | 185.6 | 183.0 |
| 20° | 275.2 | 275.8 | 273.9 | 221.3 | 232.3 | 251.8 | 218.0 | 211.6 | 234.9 | 234.3 | 224.5 |
| 22.5° | 234.3 | 234.9 | 242.1 | 266.7 | 240.1 | 254.4 | 219.3 | 264.1 | 222.6 | 223.2 | 173.3 |
| 25° | 313.4 | 314.1 | 307.6 | 237.5 | 270.0 | 238.8 | 266.1 | 237.5 | 284.2 | 275.2 | 253.7 |
| 27.5° | 329.0 | 305.0 | 280.3 | 294.6 | 257.6 | 296.6 | 253.1 | 287.5 | 308.9 | 307.0 | 310.2 |
| 30° | 417.3 | 418.6 | 401.7 | 322.5 | 301.8 | 292.7 | 292.0 | 341.3 | 423.1 | 426.4 | 372.5 |
| 32.5° | 565.2 | 557.4 | 474.4 | 397.8 | 325.1 | 356.9 | 327.7 | 395.2 | 457.5 | 455.6 | 399.1 |
| 35° | 632.7 | 624.9 | 593.8 | 491.3 | 375.7 | 385.5 | 369.9 | 420.5 | 504.9 | 490.0 | 425.7 |
| 37.5° | 689.8 | 688.5 | 662.6 | 541.2 | 427.0 | 441.3 | 395.2 | 451.7 | 545.8 | 530.2 | 453.0 |
| 40° | 739.2 | 734.6 | 711.9 | 586.0 | 479.6 | 480.2 | 427.0 | 489.3 | 582.1 | 586.0 | 479.6 |
| 42.5° | 780.0 | 776.1 | 757.3 | 630.8 | 510.7 | 514.6 | 460.8 | 527.6 | 630.8 | 637.9 | 521.1 |
| 45° | 796.9 | 798.9 | 785.9 | 671.0 | 538.6 | 545.8 | 501.0 | 566.5 | 682.7 | 688.5 | 558.1 |
| 47.5° | 809.2 | 809.9 | 806.6 | 704.1 | 568.5 | 571.7 | 540.6 | 601.6 | 758.0 | 746.3 | 601.6 |
| 50° | 781.3 | 778.7 | 782.0 | 729.4 | 594.4 | 598.3 | 573.7 | 637.9 | 811.8 | 796.9 | 647.0 |
| 52.5° | 708.0 | 711.2 | 745.0 | 716.4 | 602.9 | 610.7 | 604.8 | 669.7 | 886.5 | 874.8 | 711.9 |
| 55° | 523.7 | 538.0 | 635.3 | 663.2 | 602.2 | 615.9 | 633.4 | 730.1 | 965.0 | 947.5 | 767.1 |
| 57.5° | 423.8 | 423.8 | 480.9 | 572.4 | 569.1 | 612.6 | 662.6 | 771.0 | 1027.3 | 1015.0 | 822.2 |
| 60° | 340.0 | 340.0 | 371.2 | 454.3 | 504.9 | 596.4 | 692.4 | 831.3 | 1086.3 | 1079.2 | 870.9 |
| 62.5° | 266.7 | 266.1 | 292.0 | 338.8 | 414.0 | 560.7 | 708.0 | 883.2 | 1160.3 | 1159.0 | 948.8 |
| 65° | 192.7 | 195.3 | 217.4 | 246.6 | 325.1 | 493.9 | 707.4 | 929.9 | 1249.2 | 1253.1 | 1036.4 |
| 67.5° | 142.8 | 144.1 | 156.4 | 177.8 | 223.2 | 409.5 | 676.2 | 962.4 | 1349.8 | 1343.3 | 1092.2 |
| 70° | 109.7 | 111.6 | 116.8 | 127.8 | 148.6 | 304.4 | 600.9 | 939.7 | 1409.5 | 1397.2 | 1112.9 |
| 72.5° | 92.2 | 92.8 | 92.2 | 98.0 | 99.3 | 206.4 | 481.5 | 853.4 | 1384.9 | 1365.4 | 1055.8 |
| 75° | 78.5 | 77.9 | 77.2 | 78.5 | 73.3 | 136.3 | 345.2 | 722.3 | 1278.4 | 1244.7 | 932.5 |
| 77.5° | 67.5 | 66.8 | 64.2 | 64.9 | 58.4 | 100.6 | 235.6 | 566.5 | 1077.3 | 998.1 | 700.9 |
| 80° | 55.8 | 55.8 | 53.9 | 53.9 | 49.3 | 76.6 | 150.6 | 390.7 | 627.5 | 564.6 | 364.7 |
| 82.5° | 43.5 | 42.8 | 42.8 | 44.1 | 42.2 | 59.7 | 98.6 | 194.7 | 258.9 | 242.7 | 170.7 |
| 85° | 23.4 | 23.4 | 26.6 | 29.9 | 29.2 | 36.3 | 75.3 | 114.9 | 153.2 | 148.0 | 95.4 |
| 87.5° | 7.1 | 7.1 | 7.8 | 9.7 | 10.4 | 19.5 | 47.4 | 55.8 | 69.4 | 76.6 | 75.3 |
| 90° | 7.8 | 7.1 | 5.2 | 5.8 | 6.5 | 14.3 | 44.1 | 53.9 | 70.1 | 77.9 | 79.8 |
| 92.5° | 9.1 | 8.4 | 5.2 | 5.2 | 6.5 | 11.7 | 42.2 | 52.6 | 76.6 | 84.4 | 86.3 |
| 95° | 9.7 | 9.1 | 5.2 | 5.2 | 6.5 | 10.4 | 37.6 | 51.9 | 81.8 | 92.2 | 92.2 |
| 97.5° | 9.1 | 8.4 | 3.9 | 4.5 | 5.8 | 9.1 | 29.2 | 42.8 | 57.1 | 62.9 | 72.7 |
| 100° | 7.8 | 7.8 | 2.6 | 3.9 | 5.2 | 6.5 | 16.9 | 23.4 | 16.9 | 16.2 | 16.2 |
| 102.5° | 7.1 | 7.1 | 2.6 | 3.2 | 3.9 | 4.5 | 7.8 | 12.3 | 3.9 | 4.5 | 5.8 |
| 105° | 7.1 | 7.8 | 1.9 | 2.6 | 2.6 | 2.6 | 3.9 | 6.5 | 3.2 | 3.9 | 5.8 |
| 107.5° | 7.1 | 7.8 | 1.9 | 1.9 | 2.6 | 1.9 | 1.9 | 2.6 | 3.2 | 3.9 | 6.5 |
| 110° | 6.5 | 6.5 | 1.3 | 1.9 | 1.9 | 1.9 | 1.3 | 1.9 | 3.2 | 4.5 | 6.5 |



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CATALOG NUMBER: SDL-PA1-20-827-U-T2R-A

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77.5° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| 112.5° | 4.5 | 4.5 | 1.3 | 1.9 | 1.9 | 1.9 | 1.3 | 1.9 | 3.2 | 4.5 | 6.5 |
| 115° | 3.2 | 2.6 | 1.3 | 1.9 | 1.3 | 1.9 | 1.3 | 1.9 | 3.2 | 4.5 | 5.8 |
| 117.5° | 2.6 | 1.9 | 1.3 | 1.3 | 1.3 | 1.3 | 0.6 | 1.9 | 3.9 | 5.2 | 7.1 |
| 120° | 2.6 | 2.6 | 1.3 | 1.3 | 1.3 | 1.3 | 0.6 | 1.9 | 5.8 | 6.5 | 9.1 |
| 122.5° | 2.6 | 2.6 | 1.3 | 1.3 | 1.3 | 1.3 | 0.6 | 1.3 | 5.2 | 7.1 | 9.7 |
| 125° | 2.6 | 2.6 | 1.3 | 1.3 | 1.3 | 1.3 | 0.6 | 1.3 | 4.5 | 6.5 | 8.4 |
| 127.5° | 2.6 | 2.6 | 1.3 | 0.6 | 1.3 | 1.3 | 1.3 | 1.3 | 3.9 | 5.2 | 7.1 |
| 130° | 2.6 | 2.6 | 1.3 | 0.6 | 1.3 | 1.3 | 1.3 | 1.3 | 3.2 | 3.9 | 5.8 |
| 132.5° | 1.9 | 1.9 | 1.3 | 0.6 | 1.3 | 0.6 | 0.6 | 1.3 | 2.6 | 3.2 | 4.5 |
| 135° | 1.3 | 1.3 | 1.3 | 0.6 | 1.3 | 0.6 | 0.6 | 0.6 | 1.3 | 1.9 | 3.2 |
| 137.5° | 0.6 | 1.3 | 0.6 | 0.6 | 1.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.3 |
| 140° | 0.6 | 0.6 | 0.6 | 0.6 | 1.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 142.5° | 0.6 | 0.6 | 0.6 | 0.6 | 1.3 | 1.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 145° | 0.6 | 0.6 | 0.6 | 0.6 | 1.9 | 1.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 147.5° | 0.6 | 0.6 | 0.6 | 2.6 | 1.9 | 1.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 150° | 3.2 | 3.2 | 3.2 | 2.6 | 1.9 | 1.3 | 1.9 | 0.6 | 0.6 | 0.6 | 0.6 |
| 152.5° | 3.2 | 3.2 | 3.9 | 1.9 | 1.3 | 0.6 | 0.6 | 2.6 | 1.9 | 1.3 | 1.3 |
| 155° | 2.6 | 1.9 | 1.9 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.9 | 2.6 | 2.6 |
| 157.5° | 0.6 | 0.6 | 1.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.3 | 0.6 | 0.6 |
| 160° | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 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° | 222.6 | 222.6 | 222.6 | 222.6 | 222.6 | 222.6 | 222.6 | 222.6 | 222.6 | 222.6 | 222.6 |
| 2.5° | 223.9 | 218.7 | 206.4 | 197.3 | 186.2 | 176.5 | 168.1 | 149.3 | 146.0 | 144.1 | 143.4 |
| 5° | 223.9 | 212.9 | 188.8 | 159.6 | 136.9 | 131.7 | 129.1 | 129.1 | 127.8 | 128.5 | 129.1 |
| 7.5° | 198.6 | 183.7 | 147.3 | 124.6 | 128.5 | 128.5 | 129.1 | 125.9 | 115.5 | 116.8 | 114.9 |
| 10° | 173.9 | 155.1 | 111.0 | 101.2 | 111.0 | 111.6 | 126.5 | 132.4 | 134.3 | 135.0 | 135.0 |
| 12.5° | 160.3 | 133.7 | 96.0 | 99.3 | 89.6 | 102.5 | 120.7 | 135.0 | 122.7 | 116.2 | 116.2 |
| 15° | 184.3 | 158.3 | 107.7 | 87.0 | 88.3 | 102.5 | 91.5 | 127.8 | 132.4 | 133.7 | 133.7 |
| 17.5° | 165.5 | 139.5 | 98.6 | 89.6 | 98.6 | 84.4 | 103.2 | 117.5 | 112.3 | 106.4 | 105.8 |
| 20° | 198.6 | 164.8 | 110.3 | 87.6 | 87.0 | 99.9 | 91.5 | 96.0 | 120.1 | 120.7 | 120.1 |
| 22.5° | 154.4 | 131.7 | 98.0 | 99.3 | 87.0 | 95.4 | 90.2 | 99.3 | 94.7 | 94.1 | 94.7 |
| 25° | 214.2 | 170.7 | 112.9 | 85.7 | 90.9 | 84.4 | 90.9 | 83.7 | 100.6 | 101.9 | 102.5 |
| 27.5° | 262.2 | 203.8 | 120.1 | 92.8 | 79.2 | 86.3 | 81.1 | 83.7 | 77.9 | 81.1 | 82.4 |
| 30° | 312.1 | 237.5 | 146.7 | 102.5 | 83.7 | 74.0 | 75.3 | 74.6 | 84.4 | 83.7 | 82.4 |
| 32.5° | 328.4 | 242.1 | 140.2 | 107.1 | 83.1 | 74.6 | 68.8 | 73.3 | 80.5 | 86.3 | 87.0 |
| 35° | 344.6 | 245.3 | 135.0 | 102.5 | 81.1 | 70.1 | 67.5 | 75.3 | 81.1 | 81.8 | 83.7 |
| 37.5° | 363.4 | 247.9 | 129.8 | 96.0 | 75.3 | 68.8 | 66.8 | 70.1 | 83.1 | 81.8 | 79.8 |
| 40° | 380.9 | 249.2 | 123.3 | 90.2 | 68.8 | 67.5 | 62.3 | 70.1 | 73.3 | 75.9 | 77.2 |
| 42.5° | 412.1 | 257.0 | 118.1 | 85.0 | 64.2 | 64.2 | 59.7 | 65.5 | 75.3 | 76.6 | 75.9 |
| 45° | 434.8 | 254.4 | 111.0 | 80.5 | 59.7 | 57.1 | 58.4 | 71.4 | 75.9 | 83.7 | 82.4 |
| 47.5° | 467.2 | 260.9 | 102.5 | 73.3 | 55.8 | 52.6 | 55.2 | 69.4 | 77.9 | 83.7 | 85.0 |
| 50° | 499.0 | 259.6 | 95.4 | 67.5 | 53.2 | 50.0 | 61.0 | 67.5 | 76.6 | 86.3 | 86.3 |
| 52.5° | 540.6 | 261.5 | 92.2 | 62.3 | 50.0 | 50.0 | 62.9 | 68.1 | 78.5 | 85.0 | 85.0 |
| 55° | 577.6 | 254.4 | 84.4 | 60.4 | 49.3 | 48.0 | 63.6 | 70.7 | 79.2 | 85.0 | 85.7 |
| 57.5° | 604.8 | 240.1 | 78.5 | 58.4 | 48.7 | 49.3 | 63.6 | 76.6 | 74.0 | 85.0 | 87.0 |
| 60° | 634.7 | 224.5 | 73.3 | 58.4 | 48.7 | 51.3 | 65.5 | 81.1 | 81.1 | 88.9 | 88.9 |
| 62.5° | 675.6 | 214.8 | 70.7 | 59.1 | 47.4 | 53.2 | 71.4 | 88.3 | 81.8 | 94.1 | 94.7 |
| 65° | 710.0 | 201.8 | 68.8 | 61.7 | 48.0 | 55.8 | 74.6 | 94.1 | 85.7 | 99.9 | 99.3 |
| 67.5° | 710.6 | 182.4 | 66.2 | 64.2 | 48.7 | 57.8 | 74.6 | 98.0 | 90.2 | 105.1 | 103.2 |
| 70° | 679.4 | 162.9 | 62.3 | 64.2 | 50.6 | 59.7 | 74.6 | 100.6 | 90.9 | 113.6 | 111.6 |
| 72.5° | 612.6 | 133.0 | 56.5 | 61.7 | 53.9 | 62.3 | 78.5 | 99.9 | 90.9 | 122.7 | 120.7 |
| 75° | 521.1 | 106.4 | 48.7 | 56.5 | 53.9 | 65.5 | 81.1 | 99.3 | 87.6 | 116.8 | 112.9 |
| 77.5° | 396.5 | 87.0 | 40.9 | 49.3 | 51.3 | 66.8 | 81.1 | 98.0 | 85.0 | 109.0 | 106.4 |
| 80° | 204.4 | 61.0 | 33.1 | 42.2 | 48.0 | 65.5 | 80.5 | 92.8 | 75.9 | 96.7 | 95.4 |
| 82.5° | 112.3 | 44.8 | 26.6 | 31.1 | 40.2 | 61.7 | 77.9 | 83.7 | 66.8 | 79.2 | 75.9 |
| 85° | 72.7 | 32.4 | 21.4 | 25.3 | 33.7 | 51.3 | 65.5 | 66.2 | 47.4 | 57.1 | 53.9 |
| 87.5° | 54.5 | 18.8 | 13.6 | 15.6 | 23.4 | 28.6 | 41.5 | 42.8 | 29.9 | 35.0 | 33.1 |
| 90° | 57.1 | 18.8 | 14.3 | 16.2 | 20.8 | 21.4 | 30.5 | 32.4 | 23.4 | 26.6 | 26.6 |
| 92.5° | 61.0 | 18.8 | 14.9 | 16.9 | 18.8 | 16.9 | 24.0 | 26.6 | 19.5 | 21.4 | 20.8 |
| 95° | 62.3 | 18.2 | 16.2 | 17.5 | 16.9 | 13.6 | 19.5 | 21.4 | 16.2 | 16.2 | 16.2 |
| 97.5° | 45.4 | 13.0 | 16.2 | 17.5 | 15.6 | 11.0 | 14.9 | 16.9 | 10.4 | 8.4 | 8.4 |
| 100° | 12.3 | 6.5 | 15.6 | 16.9 | 13.6 | 9.1 | 13.0 | 13.0 | 6.5 | 4.5 | 4.5 |
| 102.5° | 5.2 | 5.2 | 13.6 | 14.9 | 10.4 | 5.8 | 9.1 | 9.1 | 4.5 | 1.9 | 1.9 |
| 105° | 5.2 | 3.9 | 9.7 | 11.0 | 7.1 | 3.2 | 4.5 | 5.2 | 3.2 | 1.9 | 1.9 |
| 107.5° | 5.2 | 3.9 | 4.5 | 5.8 | 3.2 | 2.6 | 2.6 | 2.6 | 1.9 | 1.9 | 1.9 |
| 110° | 5.8 | 3.9 | 2.6 | 3.2 | 2.6 | 1.9 | 1.9 | 1.9 | 1.9 | 2.6 | 3.2 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 112.5° | 6.5 | 4.5 | 2.6 | 3.2 | 2.6 | 1.9 | 1.9 | 1.9 | 2.6 | 5.8 | 5.8 |
| 115° | 5.8 | 3.9 | 2.6 | 2.6 | 1.9 | 1.9 | 1.3 | 1.3 | 2.6 | 7.1 | 7.1 |
| 117.5° | 6.5 | 4.5 | 2.6 | 2.6 | 1.9 | 1.3 | 1.3 | 1.3 | 3.2 | 8.4 | 8.4 |
| 120° | 7.8 | 5.2 | 2.6 | 1.9 | 1.3 | 1.3 | 1.3 | 1.3 | 3.9 | 9.1 | 9.1 |
| 122.5° | 8.4 | 5.8 | 2.6 | 1.9 | 1.3 | 0.6 | 1.3 | 1.9 | 4.5 | 9.1 | 9.1 |
| 125° | 7.1 | 5.2 | 2.6 | 1.9 | 1.3 | 0.6 | 1.3 | 1.9 | 4.5 | 8.4 | 9.1 |
| 127.5° | 6.5 | 4.5 | 2.6 | 1.3 | 1.3 | 0.6 | 0.6 | 1.9 | 3.9 | 6.5 | 7.8 |
| 130° | 5.2 | 3.9 | 1.9 | 1.3 | 1.3 | 0.6 | 0.6 | 1.3 | 3.9 | 5.8 | 7.1 |
| 132.5° | 4.5 | 3.2 | 1.9 | 1.3 | 1.3 | 0.6 | 0.6 | 1.3 | 3.9 | 5.2 | 5.2 |
| 135° | 3.2 | 2.6 | 1.3 | 1.3 | 1.3 | 0.6 | 1.3 | 0.6 | 2.6 | 4.5 | 4.5 |
| 137.5° | 1.9 | 1.3 | 1.3 | 1.3 | 1.3 | 0.6 | 0.6 | 0.6 | 1.9 | 2.6 | 2.6 |
| 140° | 0.6 | 0.6 | 1.3 | 1.3 | 1.3 | 0.6 | 0.6 | 0.6 | 1.3 | 1.3 | 1.3 |
| 142.5° | 0.6 | 0.6 | 1.3 | 1.3 | 1.3 | 0.6 | 0.6 | 0.6 | 1.3 | 1.3 | 1.3 |
| 145° | 0.6 | 0.6 | 0.6 | 1.3 | 1.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.3 |
| 147.5° | 0.6 | 0.6 | 0.6 | 1.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.3 |
| 150° | 0.6 | 0.6 | 0.6 | 1.3 | 1.3 | 0.6 | 0.6 | 1.3 | 1.3 | 1.3 | 1.3 |
| 152.5° | 0.6 | 0.6 | 1.3 | 1.3 | 0.6 | 0.6 | 0.6 | 1.3 | 1.3 | 1.3 | 1.3 |
| 155° | 1.9 | 1.9 | 1.3 | 1.3 | 0.6 | 0.6 | 0.0 | 0.6 | 1.3 | 1.3 | 1.3 |
| 157.5° | 0.6 | 0.6 | 1.3 | 0.6 | 0.6 | 0.6 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 |
| 160° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 |
| 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)