

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: P560300

Luminaire Tested: **SDL-PA1-30-830-U-T3-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560300  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-30-830-U-T3-A  
Description: Springdale  
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2828.7 lumens  
Efficiency: N/A  
Efficacy: 94.0 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 - G1

Input Watts (W): 30.1  
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

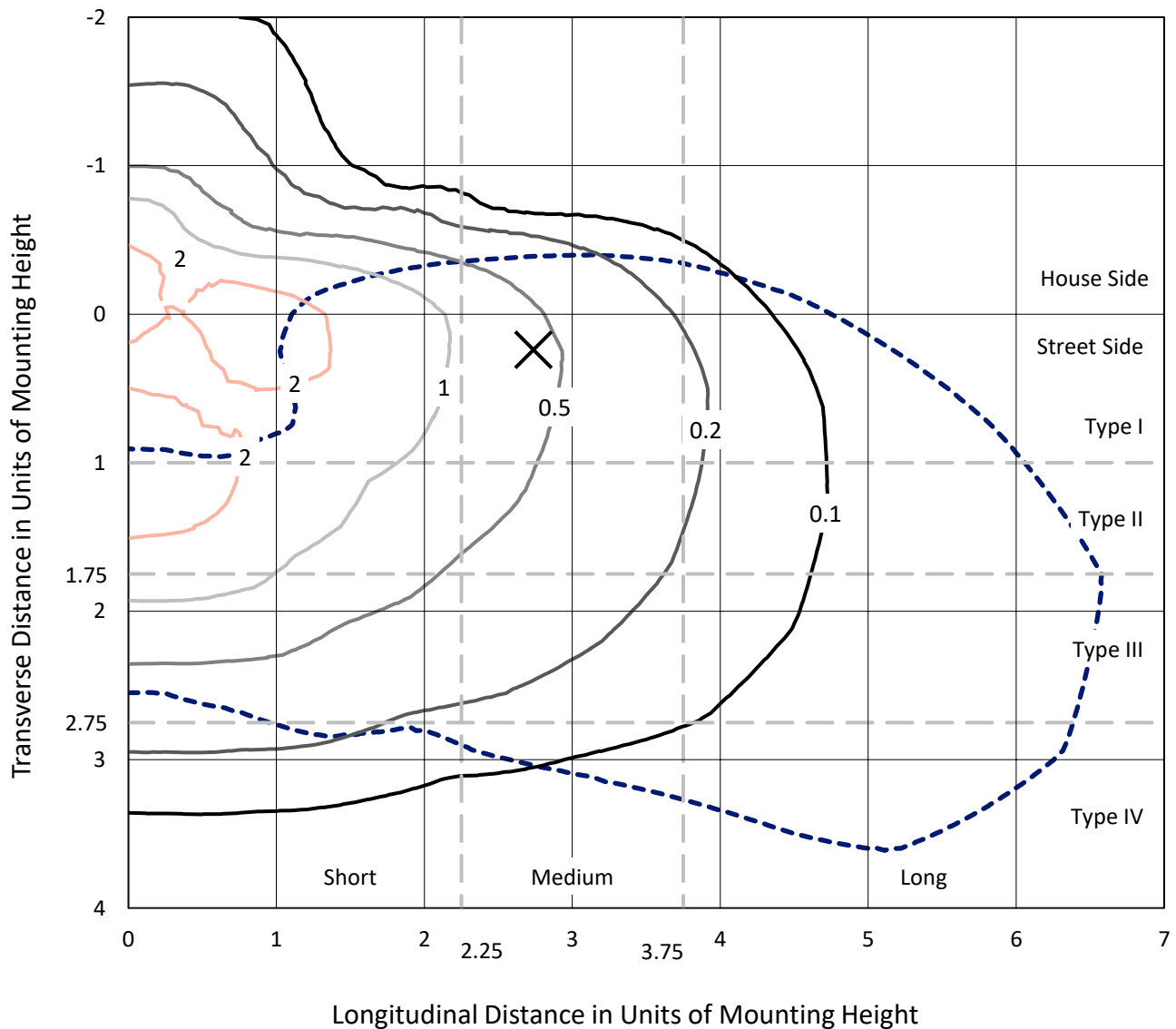


REPORT NUMBER: P560300

CATALOG NUMBER: SDL-PA1-30-830-U-T3-A

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 --- 1/2 Max cd

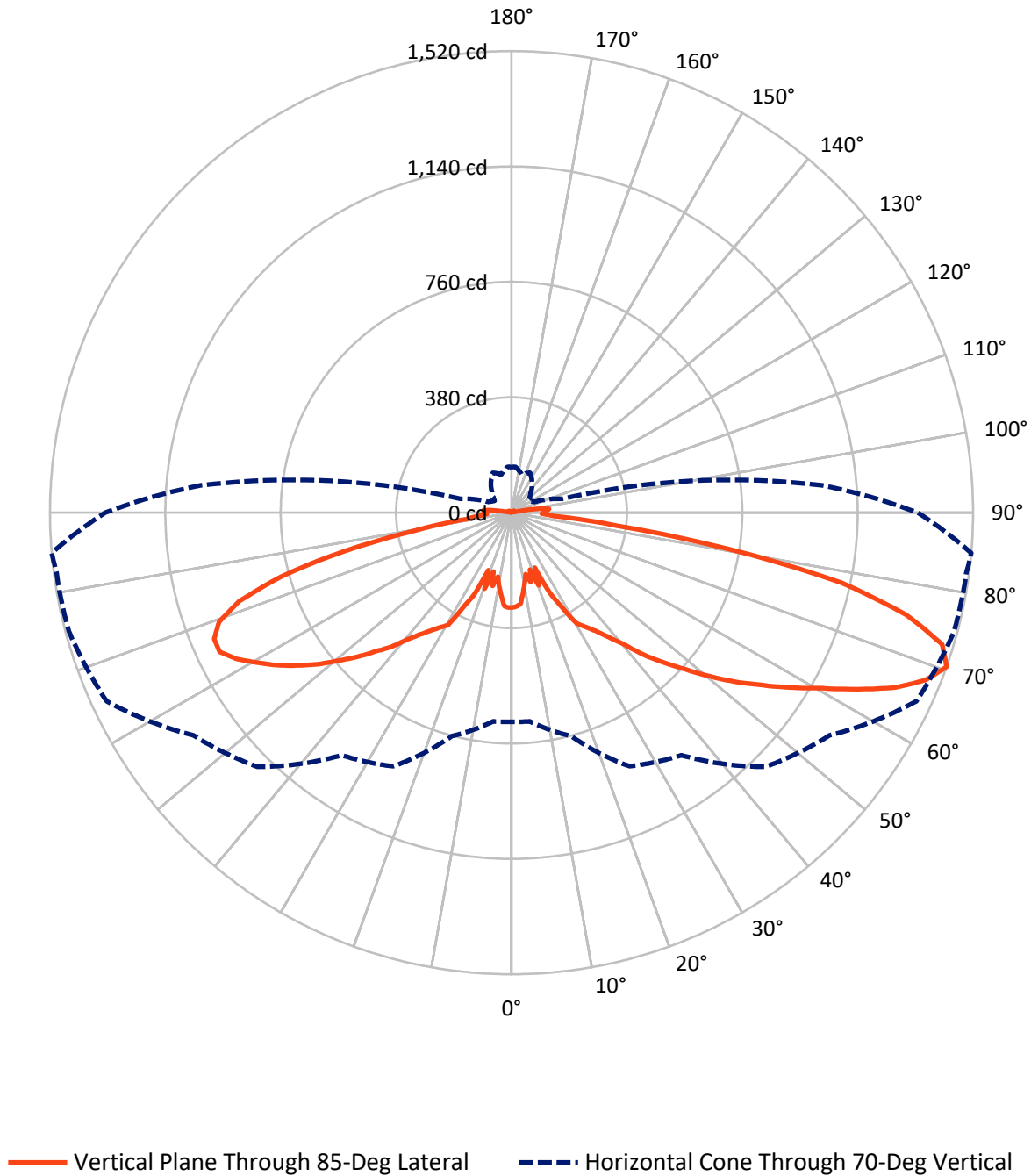


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P560300

CATALOG NUMBER: SDL-PA1-30-830-U-T3-A

## Luminous Intensity Polar Plot



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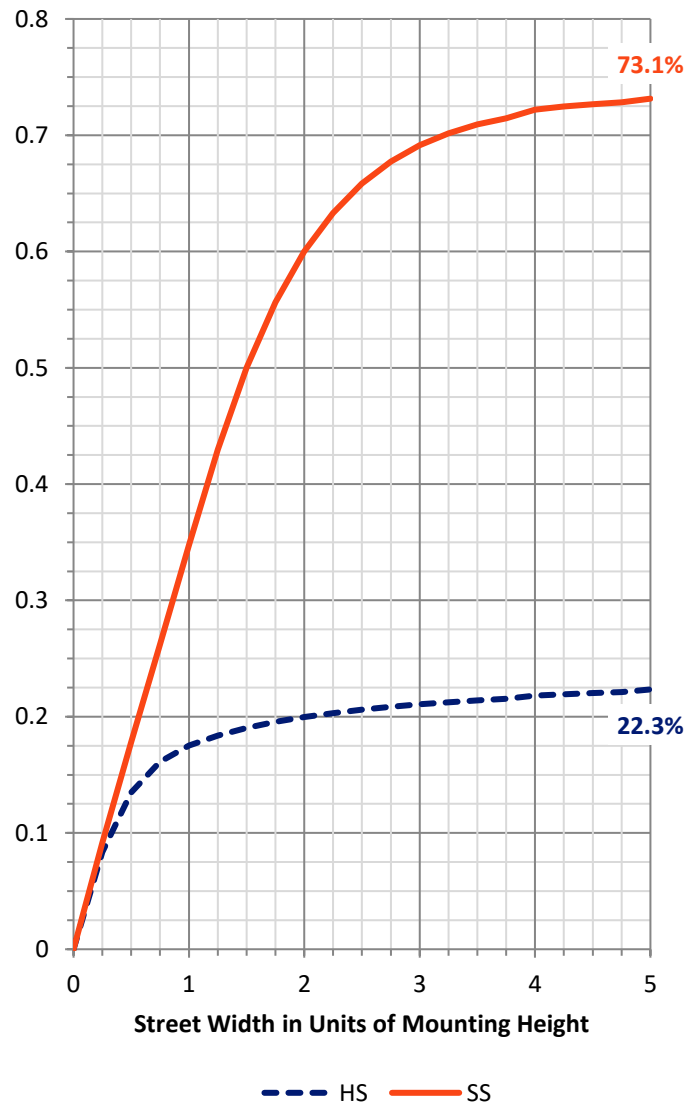
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 665.0    | 42.8   | 707.9  |
|                    | % Fixture | 23.5     | 1.5    | 25.0   |
| <b>Street Side</b> | Lumens    | 2084.6   | 36.2   | 2120.8 |
|                    | % Fixture | 73.7     | 1.3    | 75.0   |
| <b>Total</b>       | Lumens    | 2749.6   | 79.1   | 2828.7 |
|                    | % Fixture | 97.2     | 2.8    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 25.5   | 0.9       |
| 10°-20°   | 62.4   | 2.2       |
| 20°-30°   | 113.7  | 4.0       |
| 30°-40°   | 214.9  | 7.6       |
| 40°-50°   | 359.2  | 12.7      |
| 50°-60°   | 560.6  | 19.8      |
| 60°-70°   | 695.2  | 24.6      |
| 70°-80°   | 567.9  | 20.1      |
| 80°-90°   | 150.3  | 5.3       |
| 90°-100°  | 57.1   | 2.0       |
| 100°-110° | 12.2   | 0.4       |
| 110°-120° | 4.0    | 0.1       |
| 120°-130° | 3.1    | 0.1       |
| 130°-140° | 1.5    | 0.1       |
| 140°-150° | 0.7    | 0.0       |
| 150°-160° | 0.6    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 2749.6 | 97.2      |
| 0°-180°   | 2828.7 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P560300

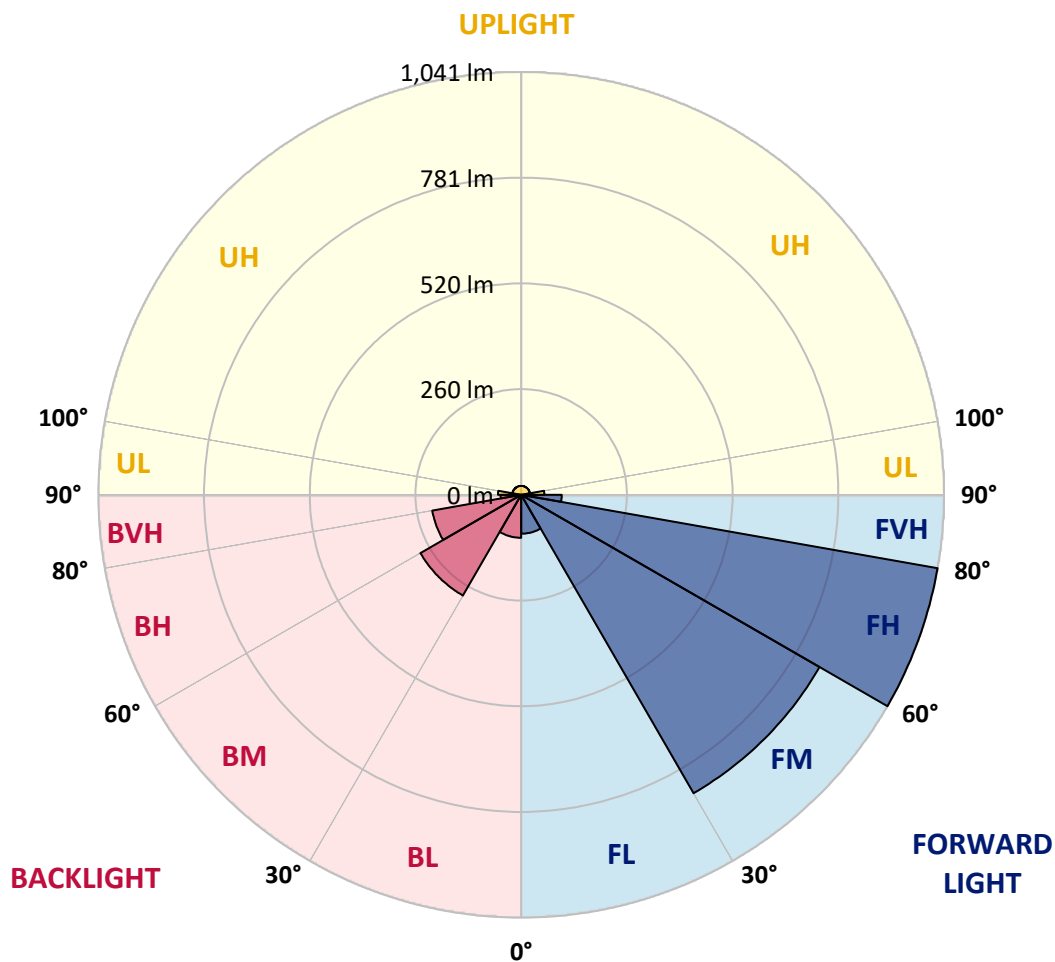
CATALOG NUMBER: SDL-PA1-30-830-U-T3-A

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 95.8   | 3.4       |                         |        |         |
| FM   | (30°-60°)   | 848.2  | 30.0      |                         |        |         |
| FH   | (60°-80°)   | 1040.9 | 36.8      |                         |        | G1/1800 |
| FVH  | (80°-90°)   | 99.7   | 3.5       |                         |        | G1/100  |
| BL   | (0°-30°)    | 105.8  | 3.7       | B0/110                  |        |         |
| BM   | (30°-60°)   | 286.5  | 10.1      | B1/1000                 |        |         |
| BH   | (60°-80°)   | 222.2  | 7.9       | B1/500                  |        | G1/500  |
| BVH  | (80°-90°)   | 50.6   | 1.8       |                         |        | G1/100  |
| UL   | (90°-100°)  | 57.1   | 2.0       |                         | U3/500 |         |
| UH   | (100°-180°) | 22.0   | 0.8       |                         | U2/50  |         |

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

Type IV Medium



REPORT NUMBER: P560300

CATALOG NUMBER: SDL-PA1-30-830-U-T3-A

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 82.5°  | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 312.5  | 312.5  | 312.5  | 312.5  | 312.5  | 312.5  | 312.5  | 312.5  | 312.5  | 312.5  | 312.5  |
| 2.5°   | 258.8  | 284.0  | 279.6  | 287.3  | 291.7  | 298.3  | 302.7  | 304.8  | 307.0  | 309.2  | 309.2  |
| 5°     | 240.1  | 241.2  | 242.3  | 243.4  | 245.6  | 248.9  | 252.2  | 287.3  | 298.3  | 302.7  | 302.7  |
| 7.5°   | 219.3  | 218.2  | 222.6  | 228.1  | 235.8  | 240.1  | 243.4  | 244.5  | 256.6  | 266.5  | 268.7  |
| 10°    | 218.2  | 219.3  | 219.3  | 221.5  | 208.3  | 207.3  | 191.9  | 193.0  | 209.4  | 234.7  | 235.8  |
| 12.5°  | 189.7  | 195.2  | 207.3  | 216.0  | 202.9  | 182.0  | 178.7  | 187.5  | 175.4  | 206.2  | 207.3  |
| 15°    | 211.6  | 210.5  | 210.5  | 201.8  | 171.1  | 179.8  | 160.1  | 166.7  | 204.0  | 232.5  | 238.0  |
| 17.5°  | 184.2  | 182.0  | 204.0  | 197.4  | 177.6  | 150.2  | 179.8  | 177.6  | 184.2  | 200.7  | 197.4  |
| 20°    | 231.4  | 229.2  | 224.8  | 171.1  | 179.8  | 188.6  | 183.1  | 171.1  | 216.0  | 241.2  | 255.5  |
| 22.5°  | 216.0  | 218.2  | 229.2  | 217.1  | 185.3  | 194.1  | 173.3  | 210.5  | 204.0  | 194.1  | 196.3  |
| 25°    | 295.0  | 292.8  | 281.8  | 212.7  | 221.5  | 180.9  | 211.6  | 187.5  | 258.8  | 287.3  | 289.5  |
| 27.5°  | 271.9  | 268.7  | 261.0  | 267.6  | 224.8  | 236.9  | 206.2  | 245.6  | 286.2  | 336.6  | 352.0  |
| 30°    | 360.8  | 357.5  | 348.7  | 269.8  | 267.6  | 234.7  | 250.0  | 301.6  | 386.0  | 424.4  | 423.3  |
| 32.5°  | 464.9  | 440.8  | 387.1  | 345.4  | 286.2  | 304.8  | 286.2  | 355.3  | 411.2  | 448.5  | 448.5  |
| 35°    | 528.5  | 524.2  | 495.6  | 401.3  | 333.4  | 332.3  | 329.0  | 391.5  | 454.0  | 480.3  | 478.1  |
| 37.5°  | 582.3  | 589.9  | 569.1  | 464.9  | 376.1  | 384.9  | 368.4  | 440.8  | 506.6  | 522.0  | 519.8  |
| 40°    | 656.8  | 654.6  | 643.7  | 519.8  | 428.8  | 427.7  | 415.6  | 500.0  | 564.7  | 575.7  | 570.2  |
| 42.5°  | 767.6  | 755.5  | 722.6  | 593.2  | 484.7  | 484.7  | 462.7  | 556.0  | 636.0  | 637.1  | 640.4  |
| 45°    | 903.6  | 898.1  | 840.0  | 707.3  | 557.1  | 556.0  | 519.8  | 615.2  | 708.4  | 713.9  | 704.0  |
| 47.5°  | 997.9  | 981.4  | 952.9  | 811.5  | 668.9  | 643.7  | 588.9  | 673.3  | 795.0  | 790.6  | 770.9  |
| 50°    | 1091.1 | 1077.9 | 1051.6 | 925.5  | 785.1  | 734.7  | 653.6  | 733.6  | 878.3  | 866.3  | 847.6  |
| 52.5°  | 1171.1 | 1153.6 | 1125.1 | 1018.7 | 887.1  | 847.6  | 728.1  | 788.4  | 962.8  | 943.0  | 925.5  |
| 55°    | 1217.2 | 1181.0 | 1183.2 | 1102.0 | 963.9  | 932.1  | 811.5  | 877.2  | 1045.0 | 1016.5 | 1002.3 |
| 57.5°  | 1160.2 | 1158.0 | 1194.2 | 1153.6 | 1034.1 | 1002.3 | 900.3  | 966.1  | 1130.6 | 1093.3 | 1086.7 |
| 60°    | 1103.1 | 1109.7 | 1161.3 | 1168.9 | 1088.9 | 1065.9 | 977.0  | 1092.2 | 1213.9 | 1173.3 | 1173.3 |
| 62.5°  | 1024.2 | 1042.8 | 1115.2 | 1174.4 | 1094.4 | 1128.4 | 1057.1 | 1199.6 | 1304.9 | 1267.6 | 1279.7 |
| 65°    | 934.3  | 934.3  | 1017.6 | 1129.5 | 1076.8 | 1170.0 | 1145.9 | 1317.0 | 1385.0 | 1363.0 | 1388.2 |
| 67.5°  | 811.5  | 813.6  | 900.3  | 1041.7 | 1045.0 | 1190.9 | 1217.2 | 1409.1 | 1468.3 | 1451.8 | 1470.5 |
| 70°    | 688.6  | 689.7  | 762.1  | 921.1  | 974.8  | 1183.2 | 1278.6 | 1470.5 | 1508.9 | 1511.1 | 1519.8 |
| 72.5°  | 515.4  | 534.0  | 602.0  | 747.9  | 853.1  | 1151.4 | 1310.4 | 1488.0 | 1507.8 | 1511.1 | 1482.6 |
| 75°    | 277.4  | 286.2  | 361.9  | 486.9  | 633.8  | 1020.9 | 1300.5 | 1469.4 | 1455.1 | 1416.8 | 1342.2 |
| 77.5°  | 96.5   | 100.9  | 127.2  | 212.7  | 359.7  | 722.6  | 1206.2 | 1388.2 | 1342.2 | 1221.6 | 1111.9 |
| 80°    | 62.5   | 62.5   | 69.1   | 102.0  | 163.4  | 342.1  | 936.5  | 1189.8 | 1081.2 | 823.5  | 721.5  |
| 82.5°  | 43.9   | 45.0   | 50.4   | 68.0   | 105.3  | 146.9  | 486.9  | 604.2  | 595.4  | 410.1  | 345.4  |
| 85°    | 31.8   | 32.9   | 35.1   | 39.5   | 72.4   | 91.0   | 189.7  | 290.6  | 268.7  | 146.9  | 138.2  |
| 87.5°  | 14.3   | 16.4   | 14.3   | 17.5   | 28.5   | 55.9   | 91.0   | 89.9   | 85.5   | 97.6   | 99.8   |
| 90°    | 11.0   | 11.0   | 8.8    | 9.9    | 19.7   | 50.4   | 84.4   | 81.1   | 86.6   | 106.4  | 105.3  |
| 92.5°  | 11.0   | 11.0   | 8.8    | 9.9    | 18.6   | 50.4   | 88.8   | 79.0   | 89.9   | 114.0  | 115.1  |
| 95°    | 11.0   | 12.1   | 8.8    | 8.8    | 15.4   | 51.5   | 94.3   | 84.4   | 95.4   | 123.9  | 123.9  |
| 97.5°  | 9.9    | 9.9    | 6.6    | 7.7    | 12.1   | 47.2   | 94.3   | 72.4   | 70.2   | 99.8   | 98.7   |
| 100°   | 7.7    | 8.8    | 4.4    | 6.6    | 8.8    | 28.5   | 70.2   | 45.0   | 19.7   | 23.0   | 35.1   |
| 102.5° | 7.7    | 7.7    | 4.4    | 5.5    | 6.6    | 12.1   | 37.3   | 26.3   | 5.5    | 7.7    | 7.7    |
| 105°   | 7.7    | 8.8    | 4.4    | 4.4    | 4.4    | 5.5    | 17.5   | 13.2   | 4.4    | 6.6    | 7.7    |
| 107.5° | 8.8    | 8.8    | 3.3    | 3.3    | 3.3    | 3.3    | 6.6    | 5.5    | 4.4    | 7.7    | 8.8    |
| 110°   | 8.8    | 8.8    | 3.3    | 3.3    | 2.2    | 2.2    | 3.3    | 3.3    | 4.4    | 7.7    | 8.8    |

REPORT NUMBER: P560300

CATALOG NUMBER: SDL-PA1-30-830-U-T3-A

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82.5° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| 112.5° | 7.7 | 7.7 | 3.3 | 3.3 | 2.2 | 2.2 | 2.2 | 3.3 | 4.4 | 6.6   | 7.7 |
| 115°   | 5.5 | 5.5 | 2.2 | 3.3 | 2.2 | 2.2 | 2.2 | 3.3 | 3.3 | 5.5   | 6.6 |
| 117.5° | 5.5 | 4.4 | 2.2 | 2.2 | 1.1 | 2.2 | 2.2 | 3.3 | 4.4 | 7.7   | 7.7 |
| 120°   | 5.5 | 5.5 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 | 2.2 | 5.5 | 8.8   | 9.9 |
| 122.5° | 5.5 | 5.5 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 | 2.2 | 5.5 | 8.8   | 9.9 |
| 125°   | 6.6 | 5.5 | 3.3 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 4.4 | 7.7   | 8.8 |
| 127.5° | 5.5 | 5.5 | 3.3 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 3.3 | 6.6   | 7.7 |
| 130°   | 5.5 | 5.5 | 3.3 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 3.3 | 5.5   | 5.5 |
| 132.5° | 4.4 | 4.4 | 3.3 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 2.2 | 4.4   | 4.4 |
| 135°   | 4.4 | 4.4 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 3.3   | 3.3 |
| 137.5° | 2.2 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1   | 1.1 |
| 140°   | 0.0 | 1.1 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1   | 1.1 |
| 142.5° | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1   | 1.1 |
| 145°   | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1   | 1.1 |
| 147.5° | 1.1 | 1.1 | 1.1 | 2.2 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1   | 1.1 |
| 150°   | 3.3 | 3.3 | 3.3 | 2.2 | 2.2 | 1.1 | 2.2 | 1.1 | 1.1 | 1.1   | 1.1 |
| 152.5° | 3.3 | 3.3 | 4.4 | 2.2 | 1.1 | 1.1 | 1.1 | 2.2 | 1.1 | 1.1   | 1.1 |
| 155°   | 2.2 | 2.2 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 2.2 | 2.2   | 3.3 |
| 157.5° | 1.1 | 1.1 | 1.1 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1   | 1.1 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1   | 1.1 |
| 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: P560300

CATALOG NUMBER: SDL-PA1-30-830-U-T3-A

**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 312.5  | 312.5  | 312.5 | 312.5 | 312.5 | 312.5 | 312.5 | 312.5 | 312.5 | 312.5 | 312.5 |
| 2.5°   | 310.3  | 312.5  | 313.6 | 316.9 | 316.9 | 316.9 | 309.2 | 290.6 | 290.6 | 291.7 | 292.8 |
| 5°     | 305.9  | 308.1  | 312.5 | 297.2 | 281.8 | 280.7 | 286.2 | 289.5 | 290.6 | 291.7 | 289.5 |
| 7.5°   | 270.9  | 275.2  | 273.0 | 274.1 | 281.8 | 289.5 | 296.1 | 291.7 | 280.7 | 273.0 | 275.2 |
| 10°    | 241.2  | 245.6  | 221.5 | 223.7 | 232.5 | 254.4 | 290.6 | 302.7 | 310.3 | 313.6 | 313.6 |
| 12.5°  | 211.6  | 214.9  | 194.1 | 224.8 | 209.4 | 243.4 | 282.9 | 312.5 | 282.9 | 270.9 | 270.9 |
| 15°    | 242.3  | 248.9  | 223.7 | 199.6 | 204.0 | 246.7 | 217.1 | 298.3 | 307.0 | 309.2 | 311.4 |
| 17.5°  | 207.3  | 202.9  | 207.3 | 210.5 | 229.2 | 191.9 | 248.9 | 280.7 | 263.2 | 256.6 | 259.9 |
| 20°    | 261.0  | 265.4  | 242.3 | 207.3 | 209.4 | 244.5 | 221.5 | 251.1 | 299.4 | 300.5 | 302.7 |
| 22.5°  | 198.5  | 204.0  | 217.1 | 246.7 | 216.0 | 236.9 | 233.6 | 261.0 | 244.5 | 245.6 | 254.4 |
| 25°    | 291.7  | 296.1  | 273.0 | 220.4 | 235.8 | 213.8 | 235.8 | 232.5 | 274.1 | 276.3 | 276.3 |
| 27.5°  | 357.5  | 347.6  | 298.3 | 248.9 | 207.3 | 225.9 | 212.7 | 221.5 | 211.6 | 241.2 | 245.6 |
| 30°    | 425.5  | 425.5  | 387.1 | 277.4 | 219.3 | 191.9 | 194.1 | 210.5 | 234.7 | 239.1 | 239.1 |
| 32.5°  | 446.3  | 445.2  | 395.9 | 300.5 | 216.0 | 198.5 | 178.7 | 198.5 | 240.1 | 261.0 | 263.2 |
| 35°    | 475.9  | 471.5  | 411.2 | 292.8 | 208.3 | 180.9 | 168.9 | 199.6 | 230.3 | 233.6 | 231.4 |
| 37.5°  | 513.2  | 502.2  | 429.9 | 278.5 | 190.8 | 170.0 | 162.3 | 179.8 | 206.2 | 206.2 | 206.2 |
| 40°    | 559.2  | 541.7  | 436.4 | 258.8 | 172.2 | 155.7 | 148.0 | 166.7 | 184.2 | 174.4 | 171.1 |
| 42.5°  | 621.8  | 595.4  | 441.9 | 244.5 | 155.7 | 143.6 | 133.8 | 151.3 | 160.1 | 154.6 | 152.4 |
| 45°    | 679.9  | 640.4  | 450.7 | 229.2 | 142.6 | 132.7 | 123.9 | 139.3 | 145.8 | 140.4 | 139.3 |
| 47.5°  | 749.0  | 696.3  | 451.8 | 214.9 | 132.7 | 123.9 | 117.3 | 130.5 | 134.9 | 134.9 | 133.8 |
| 50°    | 820.2  | 750.0  | 460.6 | 202.9 | 122.8 | 115.1 | 114.0 | 123.9 | 127.2 | 125.0 | 123.9 |
| 52.5°  | 901.4  | 810.4  | 463.8 | 187.5 | 110.8 | 105.3 | 110.8 | 117.3 | 127.2 | 128.3 | 128.3 |
| 55°    | 988.0  | 866.3  | 461.7 | 166.7 | 102.0 | 99.8  | 107.5 | 121.7 | 130.5 | 123.9 | 122.8 |
| 57.5°  | 1072.4 | 922.2  | 462.7 | 143.6 | 93.2  | 97.6  | 108.6 | 127.2 | 133.8 | 126.1 | 122.8 |
| 60°    | 1148.1 | 972.6  | 447.4 | 122.8 | 86.6  | 92.1  | 112.9 | 132.7 | 130.5 | 132.7 | 129.4 |
| 62.5°  | 1241.3 | 1025.3 | 403.5 | 109.7 | 81.1  | 89.9  | 112.9 | 136.0 | 127.2 | 136.0 | 136.0 |
| 65°    | 1318.1 | 1064.8 | 341.0 | 98.7  | 76.8  | 89.9  | 114.0 | 137.1 | 123.9 | 138.2 | 138.2 |
| 67.5°  | 1351.0 | 1063.7 | 246.7 | 89.9  | 71.3  | 87.7  | 114.0 | 141.5 | 127.2 | 142.6 | 141.5 |
| 70°    | 1337.8 | 1027.5 | 174.4 | 83.3  | 68.0  | 88.8  | 118.4 | 144.7 | 130.5 | 151.3 | 150.2 |
| 72.5°  | 1249.0 | 941.9  | 126.1 | 77.9  | 63.6  | 84.4  | 121.7 | 149.1 | 133.8 | 164.5 | 164.5 |
| 75°    | 1099.9 | 787.3  | 102.0 | 72.4  | 59.2  | 83.3  | 122.8 | 151.3 | 136.0 | 166.7 | 166.7 |
| 77.5°  | 841.1  | 565.8  | 85.5  | 66.9  | 54.8  | 81.1  | 121.7 | 154.6 | 134.9 | 166.7 | 166.7 |
| 80°    | 504.4  | 322.4  | 71.3  | 60.3  | 55.9  | 80.0  | 123.9 | 154.6 | 134.9 | 164.5 | 164.5 |
| 82.5°  | 232.5  | 148.0  | 63.6  | 50.4  | 52.6  | 79.0  | 126.1 | 152.4 | 129.4 | 164.5 | 157.9 |
| 85°    | 129.4  | 104.2  | 54.8  | 42.8  | 47.2  | 74.6  | 119.5 | 137.1 | 116.2 | 136.0 | 133.8 |
| 87.5°  | 96.5   | 81.1   | 35.1  | 21.9  | 30.7  | 52.6  | 92.1  | 108.6 | 87.7  | 105.3 | 104.2 |
| 90°    | 103.1  | 85.5   | 31.8  | 21.9  | 32.9  | 48.2  | 86.6  | 96.5  | 81.1  | 97.6  | 96.5  |
| 92.5°  | 110.8  | 89.9   | 31.8  | 23.0  | 37.3  | 52.6  | 86.6  | 94.3  | 80.0  | 88.8  | 89.9  |
| 95°    | 116.2  | 93.2   | 30.7  | 25.2  | 39.5  | 57.0  | 84.4  | 86.6  | 73.5  | 76.8  | 80.0  |
| 97.5°  | 91.0   | 70.2   | 27.4  | 26.3  | 38.4  | 46.1  | 69.1  | 68.0  | 50.4  | 47.2  | 47.2  |
| 100°   | 28.5   | 19.7   | 24.1  | 27.4  | 23.0  | 21.9  | 40.6  | 48.2  | 29.6  | 19.7  | 18.6  |
| 102.5° | 8.8    | 7.7    | 21.9  | 26.3  | 17.5  | 9.9   | 21.9  | 30.7  | 21.9  | 3.3   | 4.4   |
| 105°   | 8.8    | 8.8    | 14.3  | 21.9  | 12.1  | 4.4   | 8.8   | 16.4  | 13.2  | 3.3   | 3.3   |
| 107.5° | 8.8    | 7.7    | 5.5   | 12.1  | 4.4   | 3.3   | 4.4   | 4.4   | 4.4   | 3.3   | 3.3   |
| 110°   | 8.8    | 8.8    | 4.4   | 4.4   | 3.3   | 3.3   | 3.3   | 2.2   | 2.2   | 5.5   | 5.5   |

REPORT NUMBER: P560300

CATALOG NUMBER: SDL-PA1-30-830-U-T3-A

**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 8.8  | 8.8  | 4.4  | 4.4  | 3.3  | 3.3  | 2.2  | 2.2  | 3.3  | 7.7  | 7.7  |
| 115°   | 7.7  | 7.7  | 4.4  | 3.3  | 2.2  | 3.3  | 2.2  | 2.2  | 3.3  | 8.8  | 8.8  |
| 117.5° | 8.8  | 8.8  | 4.4  | 3.3  | 2.2  | 2.2  | 2.2  | 1.1  | 3.3  | 9.9  | 11.0 |
| 120°   | 11.0 | 9.9  | 5.5  | 2.2  | 2.2  | 2.2  | 2.2  | 2.2  | 4.4  | 8.8  | 9.9  |
| 122.5° | 11.0 | 11.0 | 5.5  | 2.2  | 1.1  | 1.1  | 1.1  | 2.2  | 4.4  | 8.8  | 9.9  |
| 125°   | 9.9  | 9.9  | 5.5  | 2.2  | 1.1  | 1.1  | 1.1  | 1.1  | 4.4  | 7.7  | 7.7  |
| 127.5° | 8.8  | 8.8  | 4.4  | 2.2  | 1.1  | 1.1  | 1.1  | 1.1  | 3.3  | 6.6  | 7.7  |
| 130°   | 6.6  | 6.6  | 3.3  | 2.2  | 1.1  | 1.1  | 1.1  | 1.1  | 3.3  | 5.5  | 6.6  |
| 132.5° | 5.5  | 5.5  | 3.3  | 2.2  | 1.1  | 1.1  | 1.1  | 1.1  | 3.3  | 4.4  | 5.5  |
| 135°   | 3.3  | 3.3  | 2.2  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 2.2  | 3.3  | 4.4  |
| 137.5° | 2.2  | 2.2  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 2.2  | 2.2  |
| 140°   | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 0.0  | 1.1  | 1.1  | 1.1  | 1.1  |
| 142.5° | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 0.0  | 1.1  | 1.1  | 1.1  | 1.1  |
| 145°   | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  |
| 147.5° | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  |
| 150°   | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 2.2  | 2.2  | 3.3  | 2.2  |
| 152.5° | 1.1  | 1.1  | 1.1  | 2.2  | 1.1  | 0.0  | 0.0  | 2.2  | 2.2  | 3.3  | 3.3  |
| 155°   | 3.3  | 3.3  | 2.2  | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 2.2  | 2.2  | 2.2  |
| 157.5° | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 1.1  | 1.1  | 1.1  |
| 160°   | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 1.1  | 1.1  |
| 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)