

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: P560168

Luminaire Tested: **SDL-PA1-30-727-U-T3-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560168  
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-PA1-30-727-U-T3-A  
Description: Springdale  
(1) 70 CRI, 2700K, 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: 2977 lumens  
Efficiency: N/A  
Efficacy: 98.9 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): 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

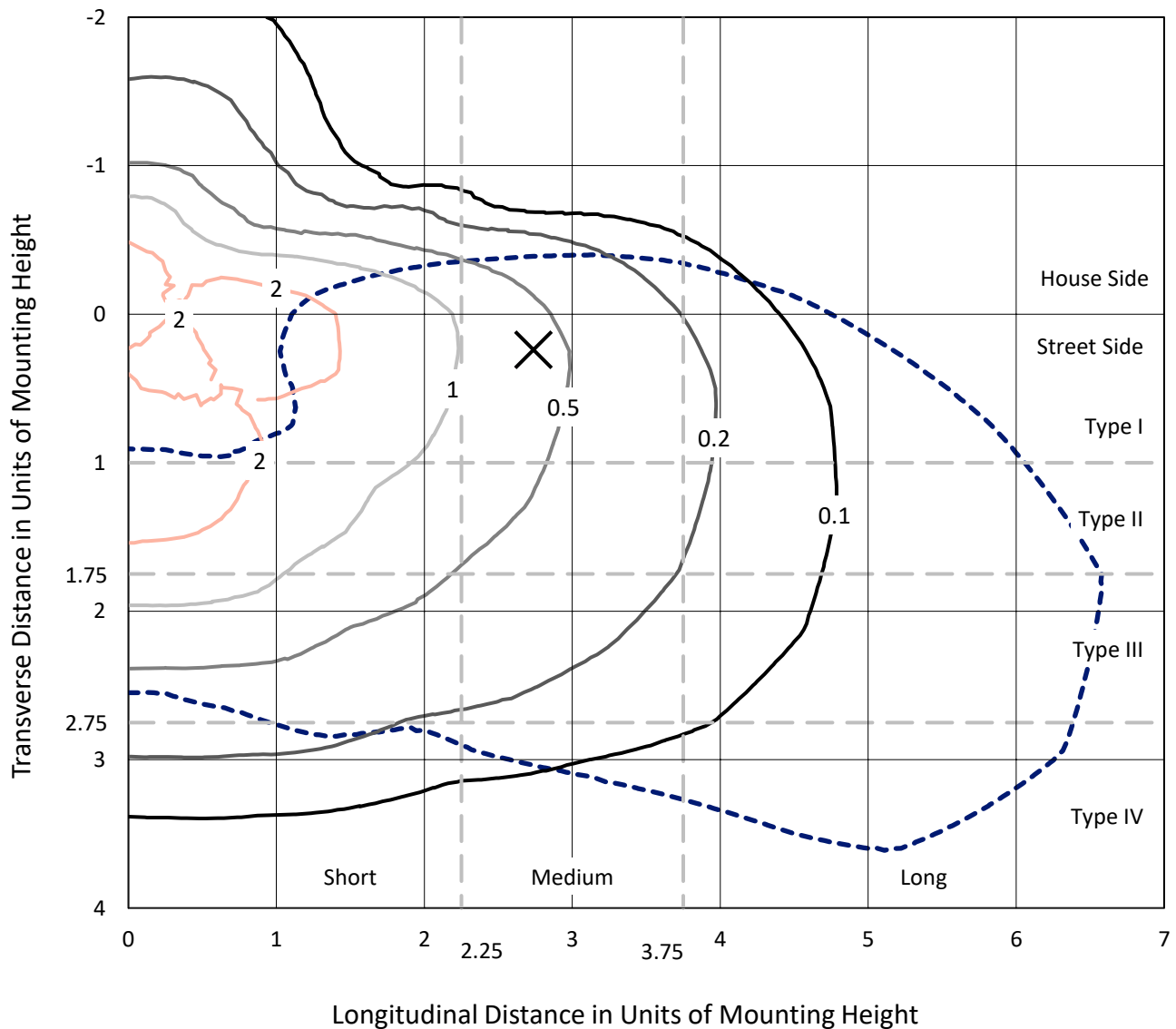


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
--- 1/2 Max cd

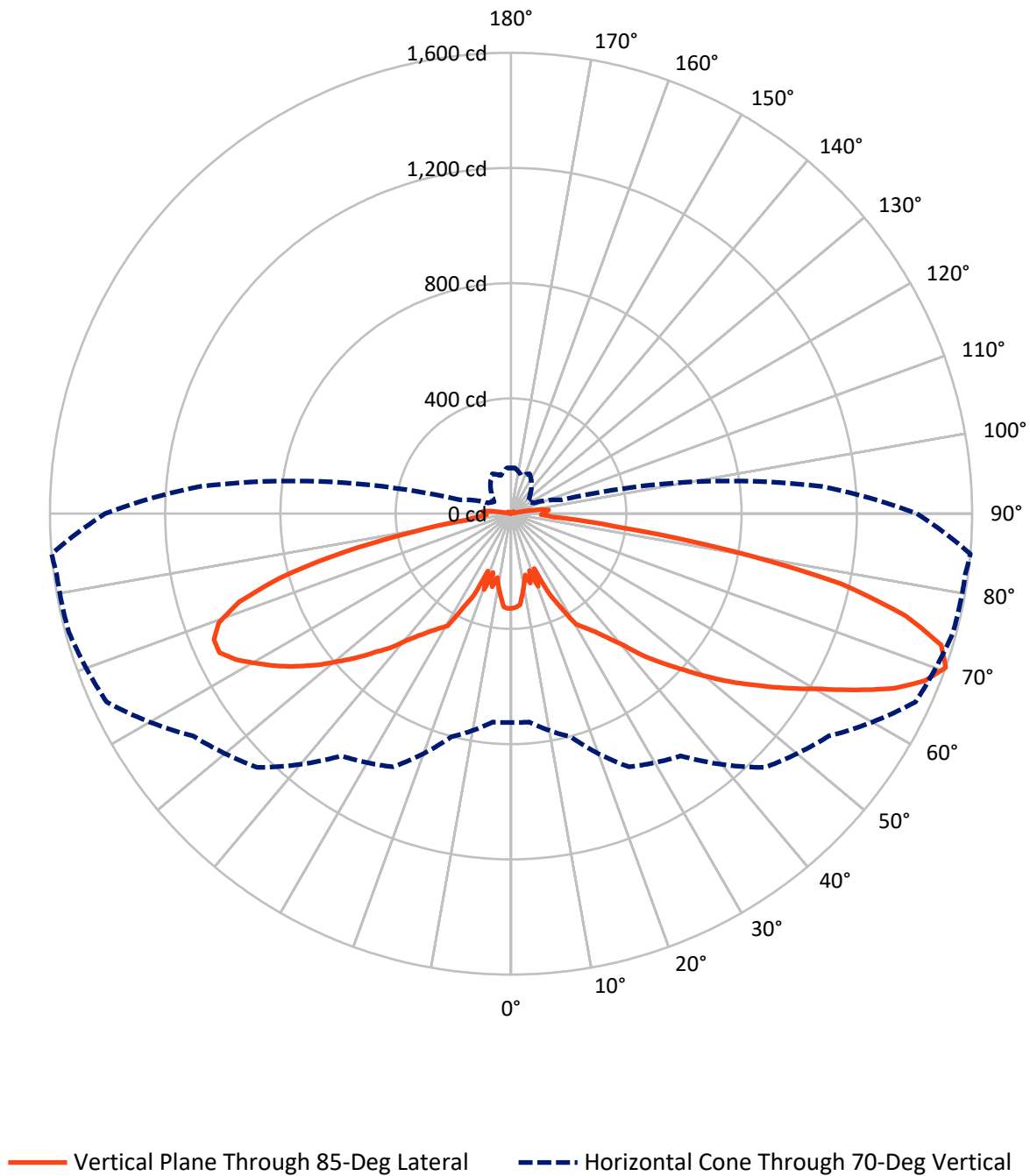


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc  
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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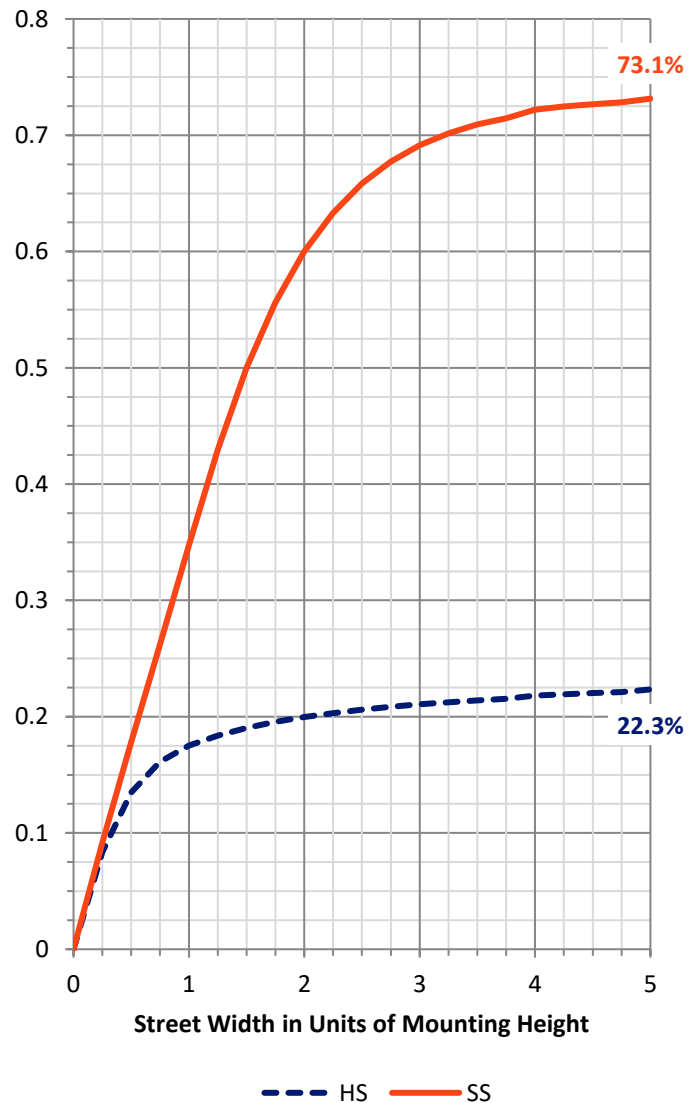
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 699.9    | 45.1   | 745.0  |
|                    | % Fixture | 23.5     | 1.5    | 25.0   |
| <b>Street Side</b> | Lumens    | 2193.9   | 38.1   | 2232.0 |
|                    | % Fixture | 73.7     | 1.3    | 75.0   |
| <b>Total</b>       | Lumens    | 2893.8   | 83.3   | 2977.0 |
|                    | % Fixture | 97.2     | 2.8    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.8   | 0.9       |
| 10°-20°   | 65.7   | 2.2       |
| 20°-30°   | 119.6  | 4.0       |
| 30°-40°   | 226.2  | 7.6       |
| 40°-50°   | 378.0  | 12.7      |
| 50°-60°   | 589.9  | 19.8      |
| 60°-70°   | 731.6  | 24.6      |
| 70°-80°   | 597.7  | 20.1      |
| 80°-90°   | 158.2  | 5.3       |
| 90°-100°  | 60.1   | 2.0       |
| 100°-110° | 12.8   | 0.4       |
| 110°-120° | 4.2    | 0.1       |
| 120°-130° | 3.2    | 0.1       |
| 130°-140° | 1.6    | 0.1       |
| 140°-150° | 0.8    | 0.0       |
| 150°-160° | 0.7    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 2893.8 | 97.2      |
| 0°-180°   | 2977.0 | 100.0     |

**Coefficient of Utilization**



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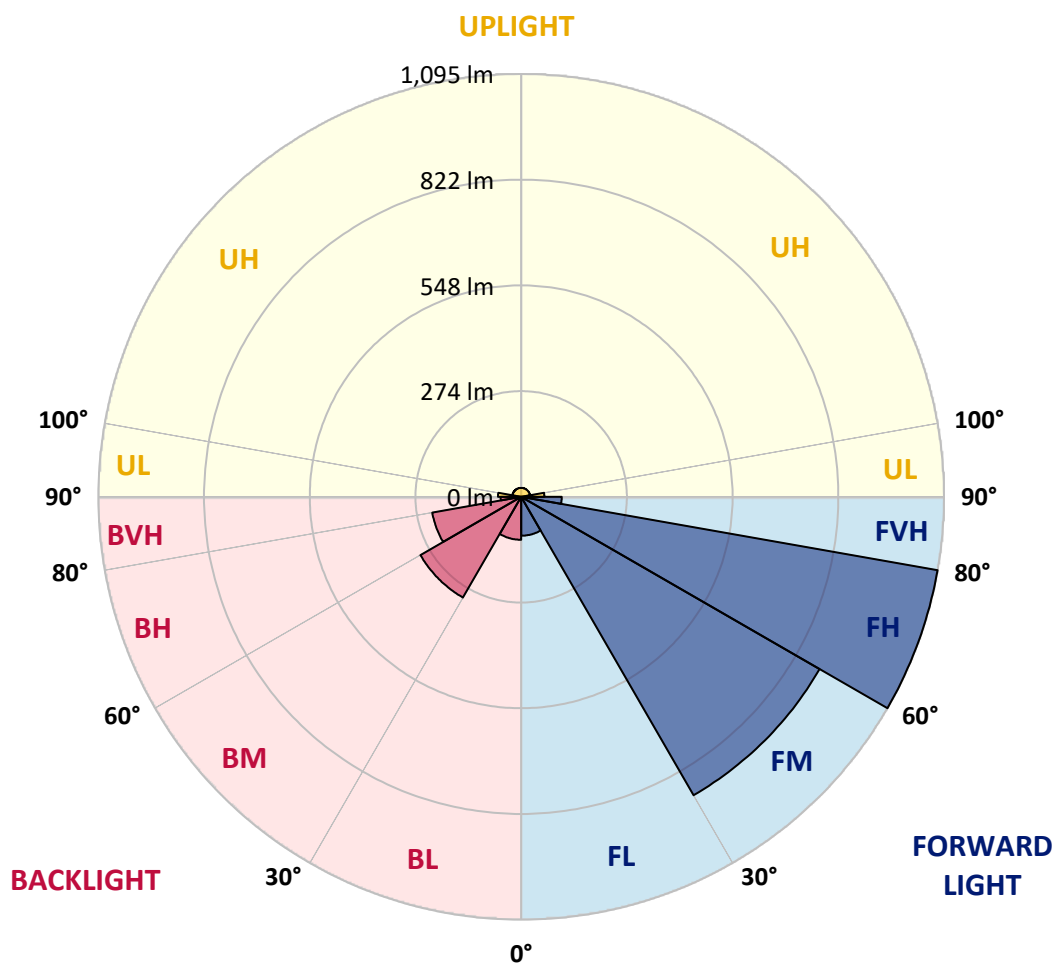
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 100.8  | 3.4       |                         |        |         |
| FM   | (30°-60°)   | 892.6  | 30.0      |                         |        |         |
| FH   | (60°-80°)   | 1095.5 | 36.8      |                         |        | G1/1800 |
| FVH  | (80°-90°)   | 105.0  | 3.5       |                         |        | G2/225  |
| BL   | (0°-30°)    | 111.3  | 3.7       | B1/500                  |        |         |
| BM   | (30°-60°)   | 301.5  | 10.1      | B1/1000                 |        |         |
| BH   | (60°-80°)   | 233.9  | 7.9       | B1/500                  |        | G1/500  |
| BVH  | (80°-90°)   | 53.2   | 1.8       |                         |        | G1/100  |
| UL   | (90°-100°)  | 60.1   | 2.0       |                         | U3/500 |         |
| UH   | (100°-180°) | 23.2   | 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°    | 55°    | 65°    | 75°    | 82.5°  | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 328.9  | 328.9  | 328.9  | 328.9  | 328.9  | 328.9  | 328.9  | 328.9  | 328.9  | 328.9  | 328.9  |
| 2.5°   | 272.4  | 298.9  | 294.3  | 302.4  | 307.0  | 313.9  | 318.5  | 320.8  | 323.1  | 325.4  | 325.4  |
| 5°     | 252.7  | 253.9  | 255.0  | 256.2  | 258.5  | 262.0  | 265.4  | 302.4  | 313.9  | 318.5  | 318.5  |
| 7.5°   | 230.8  | 229.7  | 234.3  | 240.0  | 248.1  | 252.7  | 256.2  | 257.4  | 270.0  | 280.4  | 282.7  |
| 10°    | 229.7  | 230.8  | 230.8  | 233.1  | 219.3  | 218.1  | 202.0  | 203.1  | 220.4  | 247.0  | 248.1  |
| 12.5°  | 199.7  | 205.4  | 218.1  | 227.3  | 213.5  | 191.6  | 188.1  | 197.3  | 184.6  | 217.0  | 218.1  |
| 15°    | 222.7  | 221.6  | 221.6  | 212.3  | 180.0  | 189.3  | 168.5  | 175.4  | 214.7  | 244.7  | 250.4  |
| 17.5°  | 193.9  | 191.6  | 214.7  | 207.7  | 187.0  | 158.1  | 189.3  | 187.0  | 193.9  | 211.2  | 207.7  |
| 20°    | 243.5  | 241.2  | 236.6  | 180.0  | 189.3  | 198.5  | 192.7  | 180.0  | 227.3  | 253.9  | 268.9  |
| 22.5°  | 227.3  | 229.7  | 241.2  | 228.5  | 195.0  | 204.3  | 182.3  | 221.6  | 214.7  | 204.3  | 206.6  |
| 25°    | 310.4  | 308.1  | 296.6  | 223.9  | 233.1  | 190.4  | 222.7  | 197.3  | 272.4  | 302.4  | 304.7  |
| 27.5°  | 286.2  | 282.7  | 274.7  | 281.6  | 236.6  | 249.3  | 217.0  | 258.5  | 301.2  | 354.3  | 370.5  |
| 30°    | 379.7  | 376.2  | 367.0  | 283.9  | 281.6  | 247.0  | 263.1  | 317.4  | 406.2  | 446.6  | 445.5  |
| 32.5°  | 489.3  | 463.9  | 407.4  | 363.5  | 301.2  | 320.8  | 301.2  | 373.9  | 432.8  | 472.0  | 472.0  |
| 35°    | 556.3  | 551.6  | 521.6  | 422.4  | 350.8  | 349.7  | 346.2  | 412.0  | 477.8  | 505.5  | 503.2  |
| 37.5°  | 612.8  | 620.9  | 599.0  | 489.3  | 395.8  | 405.1  | 387.8  | 463.9  | 533.2  | 549.3  | 547.0  |
| 40°    | 691.3  | 689.0  | 677.4  | 547.0  | 451.2  | 450.1  | 437.4  | 526.3  | 594.3  | 605.9  | 600.1  |
| 42.5°  | 807.8  | 795.1  | 760.5  | 624.3  | 510.1  | 510.1  | 487.0  | 585.1  | 669.4  | 670.5  | 674.0  |
| 45°    | 950.9  | 945.2  | 884.0  | 744.4  | 586.3  | 585.1  | 547.0  | 647.4  | 745.5  | 751.3  | 740.9  |
| 47.5°  | 1050.2 | 1032.9 | 1002.9 | 854.0  | 704.0  | 677.4  | 619.7  | 708.6  | 836.7  | 832.1  | 811.3  |
| 50°    | 1148.3 | 1134.4 | 1106.7 | 974.0  | 826.3  | 773.2  | 687.8  | 772.1  | 924.4  | 911.7  | 892.1  |
| 52.5°  | 1232.5 | 1214.1 | 1184.1 | 1072.1 | 933.6  | 892.1  | 766.3  | 829.8  | 1013.3 | 992.5  | 974.0  |
| 55°    | 1281.0 | 1242.9 | 1245.2 | 1159.8 | 1014.4 | 980.9  | 854.0  | 923.2  | 1099.8 | 1069.8 | 1054.8 |
| 57.5°  | 1221.0 | 1218.7 | 1256.8 | 1214.1 | 1088.3 | 1054.8 | 947.5  | 1016.7 | 1189.8 | 1150.6 | 1143.7 |
| 60°    | 1161.0 | 1167.9 | 1222.1 | 1230.2 | 1146.0 | 1121.7 | 1028.3 | 1149.4 | 1277.5 | 1234.8 | 1234.8 |
| 62.5°  | 1077.9 | 1097.5 | 1173.7 | 1236.0 | 1151.8 | 1187.5 | 1112.5 | 1262.5 | 1373.3 | 1334.1 | 1346.8 |
| 65°    | 983.3  | 983.3  | 1071.0 | 1188.7 | 1133.3 | 1231.4 | 1206.0 | 1386.0 | 1457.6 | 1434.5 | 1461.0 |
| 67.5°  | 854.0  | 856.3  | 947.5  | 1096.4 | 1099.8 | 1253.3 | 1281.0 | 1483.0 | 1545.3 | 1528.0 | 1547.6 |
| 70°    | 724.7  | 725.9  | 802.1  | 969.4  | 1026.0 | 1245.2 | 1345.6 | 1547.6 | 1588.0 | 1590.3 | 1599.5 |
| 72.5°  | 542.4  | 562.0  | 633.6  | 787.1  | 897.9  | 1211.8 | 1379.1 | 1566.1 | 1586.8 | 1590.3 | 1560.3 |
| 75°    | 292.0  | 301.2  | 380.8  | 512.4  | 667.0  | 1074.4 | 1368.7 | 1546.4 | 1531.4 | 1491.0 | 1412.6 |
| 77.5°  | 101.6  | 106.2  | 133.9  | 223.9  | 378.5  | 760.5  | 1269.5 | 1461.0 | 1412.6 | 1285.6 | 1170.2 |
| 80°    | 65.8   | 65.8   | 72.7   | 107.3  | 172.0  | 360.1  | 985.6  | 1252.2 | 1137.9 | 866.7  | 759.4  |
| 82.5°  | 46.2   | 47.3   | 53.1   | 71.6   | 110.8  | 154.6  | 512.4  | 635.9  | 626.7  | 431.6  | 363.5  |
| 85°    | 33.5   | 34.6   | 36.9   | 41.5   | 76.2   | 95.8   | 199.7  | 305.8  | 282.7  | 154.6  | 145.4  |
| 87.5°  | 15.0   | 17.3   | 15.0   | 18.5   | 30.0   | 58.9   | 95.8   | 94.6   | 90.0   | 102.7  | 105.0  |
| 90°    | 11.5   | 11.5   | 9.2    | 10.4   | 20.8   | 53.1   | 88.9   | 85.4   | 91.2   | 111.9  | 110.8  |
| 92.5°  | 11.5   | 11.5   | 9.2    | 10.4   | 19.6   | 53.1   | 93.5   | 83.1   | 94.6   | 120.0  | 121.2  |
| 95°    | 11.5   | 12.7   | 9.2    | 9.2    | 16.2   | 54.2   | 99.2   | 88.9   | 100.4  | 130.4  | 130.4  |
| 97.5°  | 10.4   | 10.4   | 6.9    | 8.1    | 12.7   | 49.6   | 99.2   | 76.2   | 73.9   | 105.0  | 103.9  |
| 100°   | 8.1    | 9.2    | 4.6    | 6.9    | 9.2    | 30.0   | 73.9   | 47.3   | 20.8   | 24.2   | 36.9   |
| 102.5° | 8.1    | 8.1    | 4.6    | 5.8    | 6.9    | 12.7   | 39.2   | 27.7   | 5.8    | 8.1    | 8.1    |
| 105°   | 8.1    | 9.2    | 4.6    | 4.6    | 4.6    | 5.8    | 18.5   | 13.8   | 4.6    | 6.9    | 8.1    |
| 107.5° | 9.2    | 9.2    | 3.5    | 3.5    | 3.5    | 3.5    | 6.9    | 5.8    | 4.6    | 8.1    | 9.2    |
| 110°   | 9.2    | 9.2    | 3.5    | 3.5    | 2.3    | 2.3    | 3.5    | 3.5    | 4.6    | 8.1    | 9.2    |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82.5° | 85°  |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|
| 112.5° | 8.1 | 8.1 | 3.5 | 3.5 | 2.3 | 2.3 | 2.3 | 3.5 | 4.6 | 6.9   | 8.1  |
| 115°   | 5.8 | 5.8 | 2.3 | 3.5 | 2.3 | 2.3 | 2.3 | 3.5 | 3.5 | 5.8   | 6.9  |
| 117.5° | 5.8 | 4.6 | 2.3 | 2.3 | 1.2 | 2.3 | 2.3 | 3.5 | 4.6 | 8.1   | 8.1  |
| 120°   | 5.8 | 5.8 | 2.3 | 1.2 | 1.2 | 1.2 | 1.2 | 2.3 | 5.8 | 9.2   | 10.4 |
| 122.5° | 5.8 | 5.8 | 2.3 | 1.2 | 1.2 | 1.2 | 1.2 | 2.3 | 5.8 | 9.2   | 10.4 |
| 125°   | 6.9 | 5.8 | 3.5 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 4.6 | 8.1   | 9.2  |
| 127.5° | 5.8 | 5.8 | 3.5 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 3.5 | 6.9   | 8.1  |
| 130°   | 5.8 | 5.8 | 3.5 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 3.5 | 5.8   | 5.8  |
| 132.5° | 4.6 | 4.6 | 3.5 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 2.3 | 4.6   | 4.6  |
| 135°   | 4.6 | 4.6 | 2.3 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 3.5   | 3.5  |
| 137.5° | 2.3 | 2.3 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2   | 1.2  |
| 140°   | 0.0 | 1.2 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2   | 1.2  |
| 142.5° | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2   | 1.2  |
| 145°   | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2   | 1.2  |
| 147.5° | 1.2 | 1.2 | 1.2 | 2.3 | 2.3 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2   | 1.2  |
| 150°   | 3.5 | 3.5 | 3.5 | 2.3 | 2.3 | 1.2 | 2.3 | 1.2 | 1.2 | 1.2   | 1.2  |
| 152.5° | 3.5 | 3.5 | 4.6 | 2.3 | 1.2 | 1.2 | 1.2 | 2.3 | 1.2 | 1.2   | 1.2  |
| 155°   | 2.3 | 2.3 | 2.3 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 2.3 | 2.3   | 3.5  |
| 157.5° | 1.2 | 1.2 | 1.2 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2   | 1.2  |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2   | 1.2  |
| 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°     | 328.9  | 328.9  | 328.9 | 328.9 | 328.9 | 328.9 | 328.9 | 328.9 | 328.9 | 328.9 | 328.9 |
| 2.5°   | 326.6  | 328.9  | 330.1 | 333.5 | 333.5 | 333.5 | 325.4 | 305.8 | 305.8 | 307.0 | 308.1 |
| 5°     | 322.0  | 324.3  | 328.9 | 312.7 | 296.6 | 295.4 | 301.2 | 304.7 | 305.8 | 307.0 | 304.7 |
| 7.5°   | 285.1  | 289.7  | 287.4 | 288.5 | 296.6 | 304.7 | 311.6 | 307.0 | 295.4 | 287.4 | 289.7 |
| 10°    | 253.9  | 258.5  | 233.1 | 235.4 | 244.7 | 267.7 | 305.8 | 318.5 | 326.6 | 330.1 | 330.1 |
| 12.5°  | 222.7  | 226.2  | 204.3 | 236.6 | 220.4 | 256.2 | 297.7 | 328.9 | 297.7 | 285.1 | 285.1 |
| 15°    | 255.0  | 262.0  | 235.4 | 210.0 | 214.7 | 259.7 | 228.5 | 313.9 | 323.1 | 325.4 | 327.8 |
| 17.5°  | 218.1  | 213.5  | 218.1 | 221.6 | 241.2 | 202.0 | 262.0 | 295.4 | 277.0 | 270.0 | 273.5 |
| 20°    | 274.7  | 279.3  | 255.0 | 218.1 | 220.4 | 257.4 | 233.1 | 264.3 | 315.1 | 316.2 | 318.5 |
| 22.5°  | 208.9  | 214.7  | 228.5 | 259.7 | 227.3 | 249.3 | 245.8 | 274.7 | 257.4 | 258.5 | 267.7 |
| 25°    | 307.0  | 311.6  | 287.4 | 232.0 | 248.1 | 225.0 | 248.1 | 244.7 | 288.5 | 290.8 | 290.8 |
| 27.5°  | 376.2  | 365.8  | 313.9 | 262.0 | 218.1 | 237.7 | 223.9 | 233.1 | 222.7 | 253.9 | 258.5 |
| 30°    | 447.8  | 447.8  | 407.4 | 292.0 | 230.8 | 202.0 | 204.3 | 221.6 | 247.0 | 251.6 | 251.6 |
| 32.5°  | 469.7  | 468.5  | 416.6 | 316.2 | 227.3 | 208.9 | 188.1 | 208.9 | 252.7 | 274.7 | 277.0 |
| 35°    | 500.9  | 496.2  | 432.8 | 308.1 | 219.3 | 190.4 | 177.7 | 210.0 | 242.4 | 245.8 | 243.5 |
| 37.5°  | 540.1  | 528.6  | 452.4 | 293.1 | 200.8 | 178.9 | 170.8 | 189.3 | 217.0 | 217.0 | 217.0 |
| 40°    | 588.6  | 570.1  | 459.3 | 272.4 | 181.2 | 163.9 | 155.8 | 175.4 | 193.9 | 183.5 | 180.0 |
| 42.5°  | 654.4  | 626.7  | 465.1 | 257.4 | 163.9 | 151.2 | 140.8 | 159.3 | 168.5 | 162.7 | 160.4 |
| 45°    | 715.5  | 674.0  | 474.3 | 241.2 | 150.0 | 139.6 | 130.4 | 146.6 | 153.5 | 147.7 | 146.6 |
| 47.5°  | 788.2  | 732.8  | 475.5 | 226.2 | 139.6 | 130.4 | 123.5 | 137.3 | 141.9 | 141.9 | 140.8 |
| 50°    | 863.2  | 789.4  | 484.7 | 213.5 | 129.3 | 121.2 | 120.0 | 130.4 | 133.9 | 131.6 | 130.4 |
| 52.5°  | 948.6  | 852.8  | 488.2 | 197.3 | 116.6 | 110.8 | 116.6 | 123.5 | 133.9 | 135.0 | 135.0 |
| 55°    | 1039.8 | 911.7  | 485.9 | 175.4 | 107.3 | 105.0 | 113.1 | 128.1 | 137.3 | 130.4 | 129.3 |
| 57.5°  | 1128.7 | 970.6  | 487.0 | 151.2 | 98.1  | 102.7 | 114.3 | 133.9 | 140.8 | 132.7 | 129.3 |
| 60°    | 1208.3 | 1023.6 | 470.9 | 129.3 | 91.2  | 96.9  | 118.9 | 139.6 | 137.3 | 139.6 | 136.2 |
| 62.5°  | 1306.4 | 1079.0 | 424.7 | 115.4 | 85.4  | 94.6  | 118.9 | 143.1 | 133.9 | 143.1 | 143.1 |
| 65°    | 1387.2 | 1120.6 | 358.9 | 103.9 | 80.8  | 94.6  | 120.0 | 144.3 | 130.4 | 145.4 | 145.4 |
| 67.5°  | 1421.8 | 1119.4 | 259.7 | 94.6  | 75.0  | 92.3  | 120.0 | 148.9 | 133.9 | 150.0 | 148.9 |
| 70°    | 1408.0 | 1081.4 | 183.5 | 87.7  | 71.6  | 93.5  | 124.6 | 152.3 | 137.3 | 159.3 | 158.1 |
| 72.5°  | 1314.5 | 991.3  | 132.7 | 81.9  | 66.9  | 88.9  | 128.1 | 157.0 | 140.8 | 173.1 | 173.1 |
| 75°    | 1157.5 | 828.6  | 107.3 | 76.2  | 62.3  | 87.7  | 129.3 | 159.3 | 143.1 | 175.4 | 175.4 |
| 77.5°  | 885.2  | 595.5  | 90.0  | 70.4  | 57.7  | 85.4  | 128.1 | 162.7 | 141.9 | 175.4 | 175.4 |
| 80°    | 530.9  | 339.3  | 75.0  | 63.5  | 58.9  | 84.2  | 130.4 | 162.7 | 141.9 | 173.1 | 173.1 |
| 82.5°  | 244.7  | 155.8  | 66.9  | 53.1  | 55.4  | 83.1  | 132.7 | 160.4 | 136.2 | 173.1 | 166.2 |
| 85°    | 136.2  | 109.6  | 57.7  | 45.0  | 49.6  | 78.5  | 125.8 | 144.3 | 122.3 | 143.1 | 140.8 |
| 87.5°  | 101.6  | 85.4   | 36.9  | 23.1  | 32.3  | 55.4  | 96.9  | 114.3 | 92.3  | 110.8 | 109.6 |
| 90°    | 108.5  | 90.0   | 33.5  | 23.1  | 34.6  | 50.8  | 91.2  | 101.6 | 85.4  | 102.7 | 101.6 |
| 92.5°  | 116.6  | 94.6   | 33.5  | 24.2  | 39.2  | 55.4  | 91.2  | 99.2  | 84.2  | 93.5  | 94.6  |
| 95°    | 122.3  | 98.1   | 32.3  | 26.5  | 41.5  | 60.0  | 88.9  | 91.2  | 77.3  | 80.8  | 84.2  |
| 97.5°  | 95.8   | 73.9   | 28.9  | 27.7  | 40.4  | 48.5  | 72.7  | 71.6  | 53.1  | 49.6  | 49.6  |
| 100°   | 30.0   | 20.8   | 25.4  | 28.9  | 24.2  | 23.1  | 42.7  | 50.8  | 31.2  | 20.8  | 19.6  |
| 102.5° | 9.2    | 8.1    | 23.1  | 27.7  | 18.5  | 10.4  | 23.1  | 32.3  | 23.1  | 3.5   | 4.6   |
| 105°   | 9.2    | 9.2    | 15.0  | 23.1  | 12.7  | 4.6   | 9.2   | 17.3  | 13.8  | 3.5   | 3.5   |
| 107.5° | 9.2    | 8.1    | 5.8   | 12.7  | 4.6   | 3.5   | 4.6   | 4.6   | 4.6   | 3.5   | 3.5   |
| 110°   | 9.2    | 9.2    | 4.6   | 4.6   | 3.5   | 3.5   | 3.5   | 2.3   | 2.3   | 5.8   | 5.8   |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 9.2  | 9.2  | 4.6  | 4.6  | 3.5  | 3.5  | 2.3  | 2.3  | 3.5  | 8.1  | 8.1  |
| 115°   | 8.1  | 8.1  | 4.6  | 3.5  | 2.3  | 3.5  | 2.3  | 2.3  | 3.5  | 9.2  | 9.2  |
| 117.5° | 9.2  | 9.2  | 4.6  | 3.5  | 2.3  | 2.3  | 2.3  | 1.2  | 3.5  | 10.4 | 11.5 |
| 120°   | 11.5 | 10.4 | 5.8  | 2.3  | 2.3  | 2.3  | 2.3  | 2.3  | 4.6  | 9.2  | 10.4 |
| 122.5° | 11.5 | 11.5 | 5.8  | 2.3  | 1.2  | 1.2  | 1.2  | 2.3  | 4.6  | 9.2  | 10.4 |
| 125°   | 10.4 | 10.4 | 5.8  | 2.3  | 1.2  | 1.2  | 1.2  | 1.2  | 4.6  | 8.1  | 8.1  |
| 127.5° | 9.2  | 9.2  | 4.6  | 2.3  | 1.2  | 1.2  | 1.2  | 1.2  | 3.5  | 6.9  | 8.1  |
| 130°   | 6.9  | 6.9  | 3.5  | 2.3  | 1.2  | 1.2  | 1.2  | 1.2  | 3.5  | 5.8  | 6.9  |
| 132.5° | 5.8  | 5.8  | 3.5  | 2.3  | 1.2  | 1.2  | 1.2  | 1.2  | 3.5  | 4.6  | 5.8  |
| 135°   | 3.5  | 3.5  | 2.3  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 2.3  | 3.5  | 4.6  |
| 137.5° | 2.3  | 2.3  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 2.3  | 2.3  |
| 140°   | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 0.0  | 1.2  | 1.2  | 1.2  | 1.2  |
| 142.5° | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 0.0  | 1.2  | 1.2  | 1.2  | 1.2  |
| 145°   | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  |
| 147.5° | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  |
| 150°   | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 2.3  | 2.3  | 3.5  | 2.3  |
| 152.5° | 1.2  | 1.2  | 1.2  | 2.3  | 1.2  | 0.0  | 0.0  | 2.3  | 2.3  | 3.5  | 3.5  |
| 155°   | 3.5  | 3.5  | 2.3  | 1.2  | 1.2  | 0.0  | 0.0  | 0.0  | 2.3  | 2.3  | 2.3  |
| 157.5° | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 0.0  | 0.0  | 0.0  | 1.2  | 1.2  | 1.2  |
| 160°   | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 1.2  | 1.2  |
| 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)