

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: P694605

Luminaire Tested: **LXF.LXT-PA16-20-740-U-T3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694605  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-740-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2908 lumens  
Efficiency: N/A  
Efficacy: 133.4 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

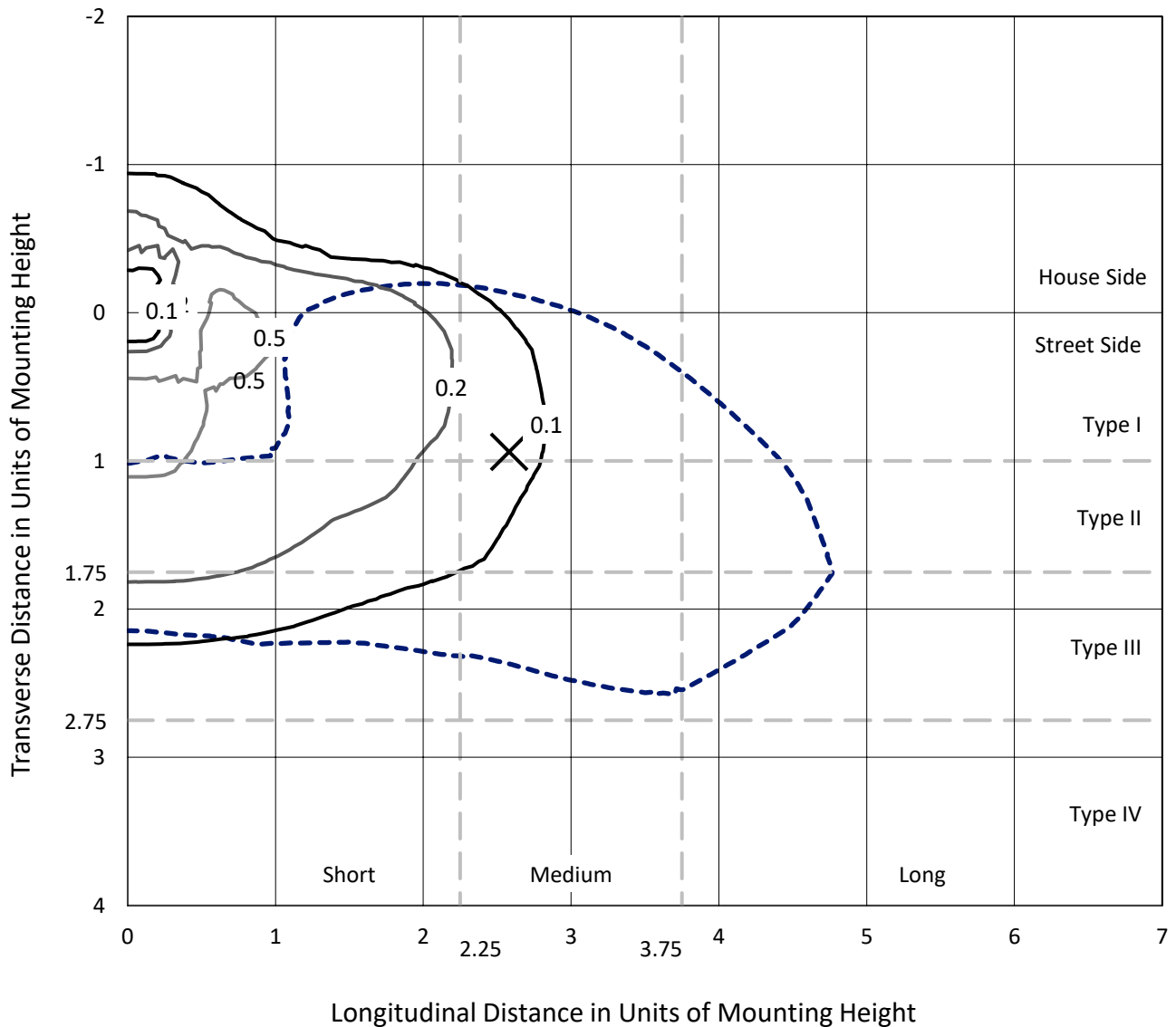
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

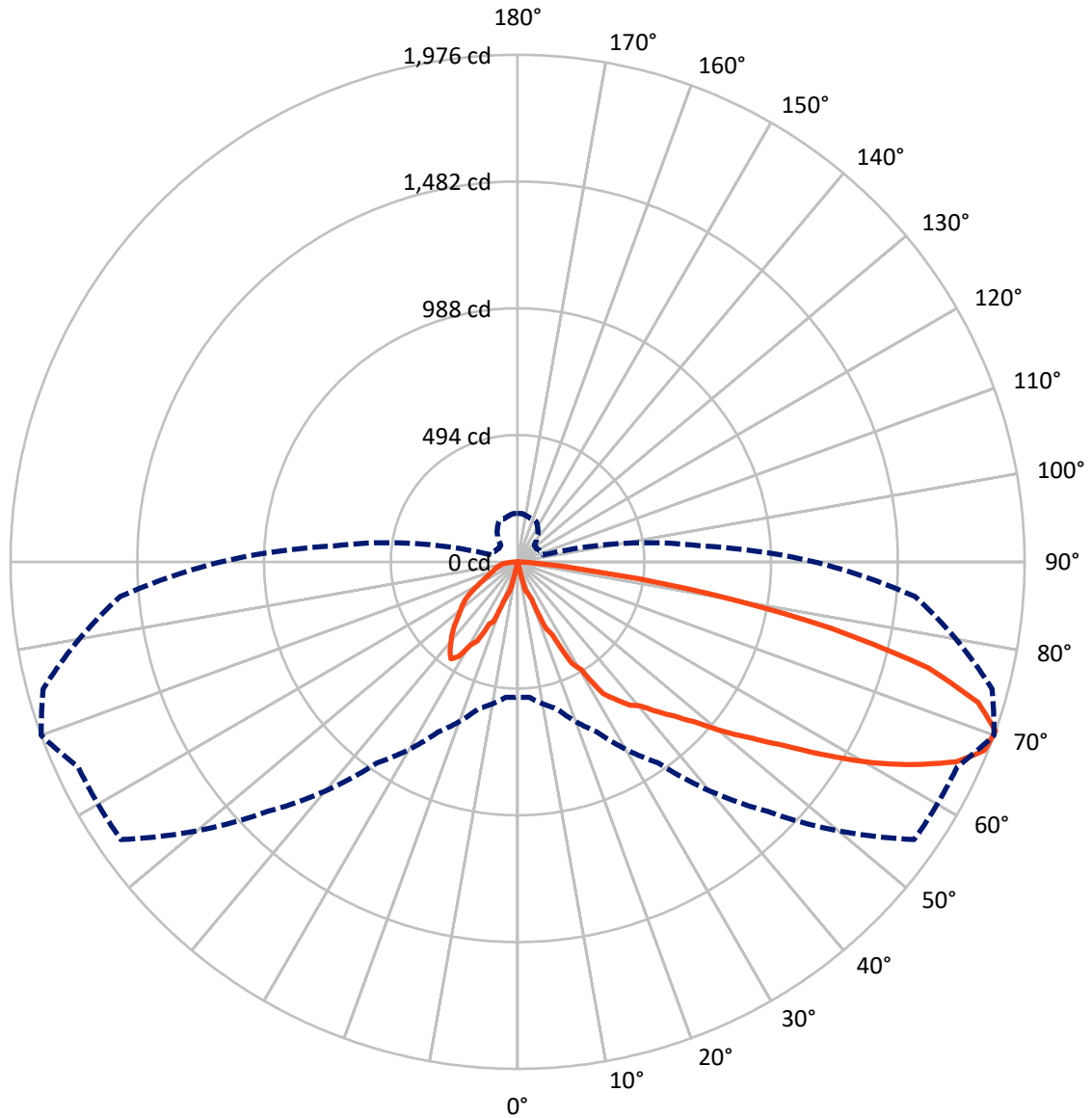
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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

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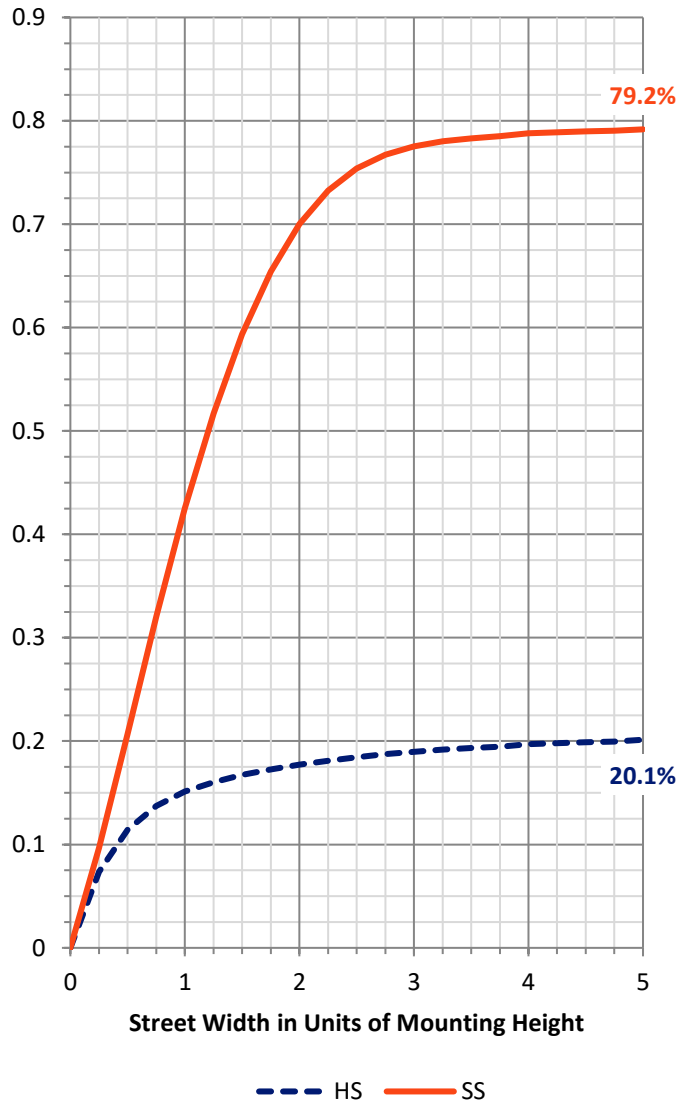
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 599.3    | 0.0    | 599.3  |
|                    | % Fixture | 20.6     | 0.0    | 20.6   |
| <b>Street Side</b> | Lumens    | 2308.7   | 0.0    | 2308.7 |
|                    | % Fixture | 79.4     | 0.0    | 79.4   |
| <b>Total</b>       | Lumens    | 2908.0   | 0.0    | 2908.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.1    | 0.0       |
| 10°-20°   | 24.6   | 0.8       |
| 20°-30°   | 139.1  | 4.8       |
| 30°-40°   | 309.4  | 10.6      |
| 40°-50°   | 442.5  | 15.2      |
| 50°-60°   | 643.0  | 22.1      |
| 60°-70°   | 807.0  | 27.8      |
| 70°-80°   | 479.3  | 16.5      |
| 80°-90°   | 63.0   | 2.2       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 2908.0 | 100.0     |
| 0°-180°   | 2908.0 | 100.0     |

**Coefficient of Utilization**



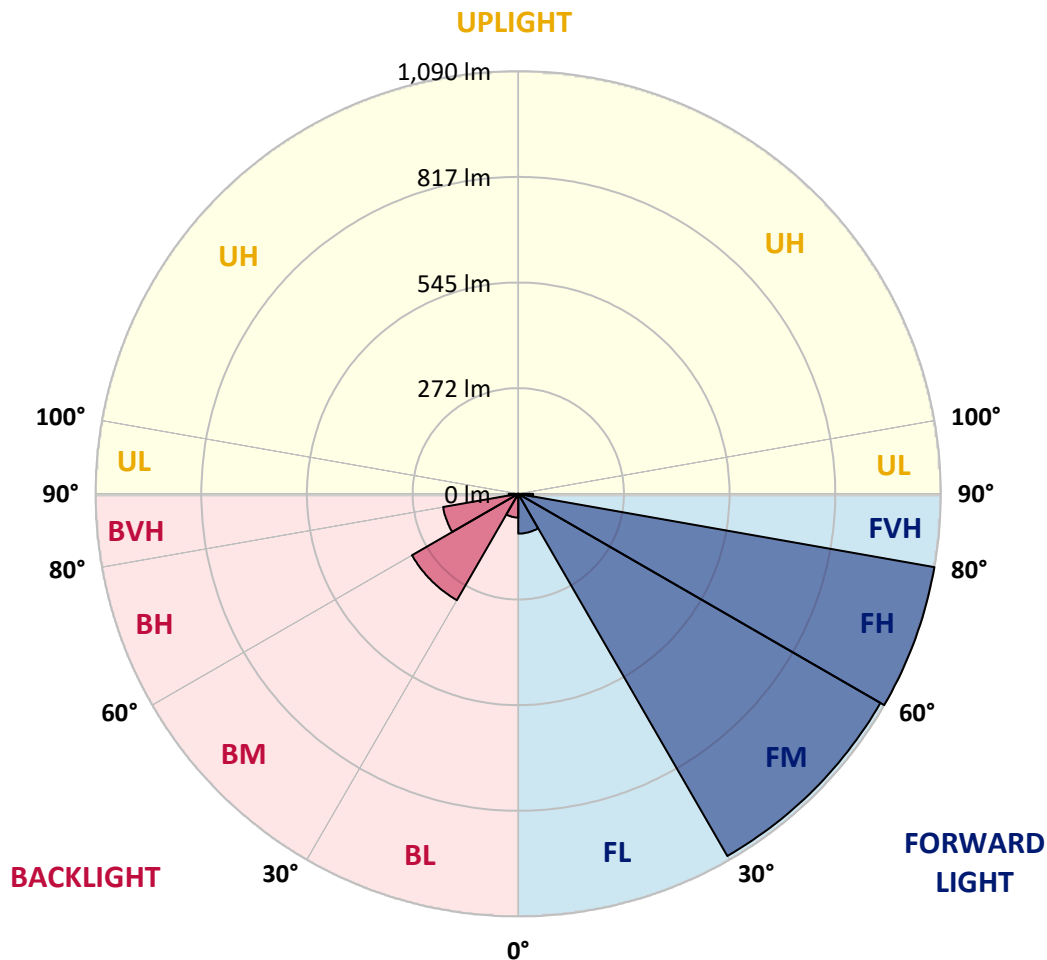
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 102.6  | 3.5       |                         |      |         |
| FM (30°-60°)   | 1078.3 | 37.1      |                         |      |         |
| FH (60°-80°)   | 1089.6 | 37.5      |                         |      | G1/1800 |
| FVH (80°-90°)  | 38.2   | 1.3       |                         |      | G1/100  |
| BL (0°-30°)    | 61.2   | 2.1       | B0/110                  |      |         |
| BM (30°-60°)   | 316.6  | 10.9      | B1/1000                 |      |         |
| BH (60°-80°)   | 196.7  | 6.8       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 24.7   | 0.9       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 70°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 2.5°  | 0.0    | 0.0    | 0.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 5°    | 0.0    | 0.0    | 0.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 7.5°  | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 10°   | 13.0   | 14.0   | 9.0    | 5.0    | 2.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 12.5° | 116.0  | 116.0  | 115.0  | 74.0   | 23.0   | 5.0    | 2.0    | 6.0    | 11.0   | 12.0   | 18.0   |
| 15°   | 129.0  | 129.0  | 129.0  | 127.0  | 121.0  | 42.0   | 19.0   | 106.0  | 116.0  | 119.0  | 119.0  |
| 17.5° | 170.0  | 173.0  | 157.0  | 141.0  | 134.0  | 117.0  | 113.0  | 127.0  | 129.0  | 131.0  | 132.0  |
| 20°   | 289.0  | 289.0  | 289.0  | 258.0  | 159.0  | 205.0  | 188.0  | 145.0  | 152.0  | 182.0  | 251.0  |
| 22.5° | 322.0  | 321.0  | 314.0  | 304.0  | 326.0  | 228.0  | 214.0  | 253.0  | 279.0  | 288.0  | 284.0  |
| 25°   | 493.0  | 492.0  | 466.0  | 344.0  | 359.0  | 308.0  | 322.0  | 321.0  | 315.0  | 318.0  | 314.0  |
| 27.5° | 535.0  | 533.0  | 531.0  | 484.0  | 397.0  | 416.0  | 374.0  | 418.0  | 446.0  | 467.0  | 454.0  |
| 30°   | 752.0  | 709.0  | 623.0  | 549.0  | 507.0  | 446.0  | 481.0  | 507.0  | 488.0  | 497.0  | 476.0  |
| 32.5° | 795.0  | 799.0  | 795.0  | 692.0  | 564.0  | 508.0  | 540.0  | 538.0  | 613.0  | 639.0  | 632.0  |
| 35°   | 838.0  | 835.0  | 829.0  | 737.0  | 656.0  | 586.0  | 569.0  | 659.0  | 659.0  | 674.0  | 653.0  |
| 37.5° | 872.0  | 871.0  | 863.0  | 762.0  | 702.0  | 614.0  | 644.0  | 707.0  | 708.0  | 723.0  | 677.0  |
| 40°   | 900.9  | 901.9  | 898.9  | 789.0  | 739.0  | 644.0  | 679.0  | 754.0  | 738.0  | 760.0  | 717.0  |
| 42.5° | 925.9  | 928.9  | 933.9  | 829.0  | 771.0  | 674.0  | 712.0  | 788.0  | 798.0  | 824.0  | 775.0  |
| 45°   | 971.9  | 977.9  | 984.9  | 891.9  | 814.0  | 714.0  | 757.0  | 856.0  | 858.0  | 896.9  | 855.0  |
| 47.5° | 1029.9 | 1033.9 | 1048.9 | 959.9  | 878.0  | 772.0  | 803.0  | 905.9  | 934.9  | 983.9  | 950.9  |
| 50°   | 1079.9 | 1087.9 | 1107.9 | 1042.9 | 965.9  | 857.0  | 868.0  | 979.9  | 1037.9 | 1081.9 | 1051.9 |
| 52.5° | 1117.9 | 1124.9 | 1154.9 | 1112.9 | 1058.9 | 947.9  | 949.9  | 1082.9 | 1141.9 | 1202.9 | 1184.9 |
| 55°   | 1148.9 | 1156.9 | 1184.9 | 1178.9 | 1143.9 | 1022.9 | 1062.9 | 1181.9 | 1264.9 | 1336.9 | 1316.9 |
| 57.5° | 1153.9 | 1152.9 | 1205.9 | 1223.9 | 1202.9 | 1121.9 | 1205.9 | 1289.9 | 1422.9 | 1479.9 | 1480.9 |
| 60°   | 1130.9 | 1135.9 | 1198.9 | 1253.9 | 1255.9 | 1223.9 | 1361.9 | 1433.9 | 1589.9 | 1627.9 | 1639.9 |
| 62.5° | 1081.9 | 1092.9 | 1162.9 | 1253.9 | 1298.9 | 1325.9 | 1513.9 | 1595.9 | 1739.9 | 1759.9 | 1746.9 |
| 65°   | 988.9  | 992.9  | 1061.9 | 1195.9 | 1302.9 | 1418.9 | 1670.9 | 1736.9 | 1878.9 | 1858.9 | 1770.9 |
| 67.5° | 799.0  | 811.0  | 875.0  | 1029.9 | 1207.9 | 1459.9 | 1813.9 | 1842.9 | 1961.9 | 1919.9 | 1711.9 |
| 70°   | 527.0  | 530.0  | 593.0  | 731.0  | 956.9  | 1374.9 | 1886.9 | 1889.9 | 1975.9 | 1913.9 | 1554.9 |
| 72.5° | 229.0  | 211.0  | 271.0  | 382.0  | 587.0  | 1071.9 | 1797.9 | 1840.9 | 1876.9 | 1800.9 | 1287.9 |
| 75°   | 99.0   | 101.0  | 117.0  | 158.0  | 272.0  | 606.0  | 1495.9 | 1604.9 | 1653.9 | 1533.9 | 938.9  |
| 77.5° | 74.0   | 74.0   | 85.0   | 96.0   | 127.0  | 229.0  | 974.9  | 1194.9 | 1252.9 | 1110.9 | 584.0  |
| 80°   | 54.0   | 56.0   | 64.0   | 70.0   | 82.0   | 93.0   | 486.0  | 724.0  | 761.0  | 579.0  | 257.0  |
| 82.5° | 41.0   | 41.0   | 46.0   | 50.0   | 56.0   | 56.0   | 165.0  | 311.0  | 282.0  | 197.0  | 89.0   |
| 85°   | 18.0   | 15.0   | 24.0   | 23.0   | 25.0   | 20.0   | 44.0   | 57.0   | 57.0   | 45.0   | 20.0   |
| 87.5° | 0.0    | 1.0    | 1.0    | 1.0    | 2.0    | 2.0    | 4.0    | 3.0    | 4.0    | 4.0    | 3.0    |
| 90°   | 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°    | 1.0    | 1.0    | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 2.5°  | 1.0    | 1.0    | 1.0   | 1.0   | 1.0   | 1.0   | 0.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 5°    | 1.0    | 1.0    | 1.0   | 1.0   | 1.0   | 1.0   | 0.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 7.5°  | 1.0    | 1.0    | 1.0   | 1.0   | 1.0   | 0.0   | 0.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 10°   | 1.0    | 1.0    | 1.0   | 1.0   | 1.0   | 0.0   | 0.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 12.5° | 16.0   | 19.0   | 12.0  | 6.0   | 1.0   | 0.0   | 0.0   | 1.0   | 1.0   | 2.0   | 2.0   |
| 15°   | 121.0  | 120.0  | 120.0 | 110.0 | 19.0  | 3.0   | 2.0   | 10.0  | 34.0  | 72.0  | 71.0  |
| 17.5° | 132.0  | 132.0  | 132.0 | 127.0 | 115.0 | 32.0  | 32.0  | 106.0 | 115.0 | 116.0 | 117.0 |
| 20°   | 250.0  | 247.0  | 191.0 | 137.0 | 121.0 | 115.0 | 105.0 | 116.0 | 118.0 | 119.0 | 121.0 |
| 22.5° | 281.0  | 278.0  | 265.0 | 238.0 | 136.0 | 167.0 | 151.0 | 124.0 | 185.0 | 194.0 | 196.0 |
| 25°   | 312.0  | 304.0  | 284.0 | 249.0 | 228.0 | 169.0 | 177.0 | 177.0 | 185.0 | 184.0 | 185.0 |
| 27.5° | 445.0  | 436.0  | 409.0 | 283.0 | 247.0 | 198.0 | 196.0 | 173.0 | 186.0 | 212.0 | 214.0 |
| 30°   | 466.0  | 455.0  | 418.0 | 326.0 | 260.0 | 216.0 | 183.0 | 206.0 | 216.0 | 213.0 | 214.0 |
| 32.5° | 615.0  | 602.0  | 543.0 | 328.0 | 262.0 | 199.0 | 203.0 | 206.0 | 210.0 | 229.0 | 231.0 |
| 35°   | 634.0  | 622.0  | 542.0 | 376.0 | 242.0 | 198.0 | 196.0 | 210.0 | 233.0 | 236.0 | 237.0 |
| 37.5° | 661.0  | 649.0  | 531.0 | 343.0 | 241.0 | 196.0 | 191.0 | 207.0 | 215.0 | 212.0 | 210.0 |
| 40°   | 700.0  | 682.0  | 510.0 | 307.0 | 219.0 | 186.0 | 186.0 | 190.0 | 196.0 | 185.0 | 182.0 |
| 42.5° | 758.0  | 721.0  | 487.0 | 275.0 | 201.0 | 173.0 | 173.0 | 174.0 | 170.0 | 160.0 | 160.0 |
| 45°   | 821.0  | 754.0  | 457.0 | 246.0 | 183.0 | 159.0 | 160.0 | 153.0 | 157.0 | 149.0 | 149.0 |
| 47.5° | 894.9  | 794.0  | 420.0 | 218.0 | 167.0 | 146.0 | 144.0 | 145.0 | 150.0 | 144.0 | 144.0 |
| 50°   | 979.9  | 842.0  | 392.0 | 193.0 | 153.0 | 133.0 | 138.0 | 141.0 | 147.0 | 142.0 | 141.0 |
| 52.5° | 1080.9 | 892.9  | 370.0 | 173.0 | 141.0 | 122.0 | 134.0 | 138.0 | 145.0 | 142.0 | 141.0 |
| 55°   | 1198.9 | 956.9  | 335.0 | 157.0 | 130.0 | 116.0 | 131.0 | 138.0 | 146.0 | 144.0 | 143.0 |
| 57.5° | 1308.9 | 1011.9 | 286.0 | 141.0 | 122.0 | 112.0 | 130.0 | 138.0 | 148.0 | 146.0 | 145.0 |
| 60°   | 1407.9 | 1063.9 | 226.0 | 129.0 | 115.0 | 107.0 | 127.0 | 138.0 | 149.0 | 150.0 | 149.0 |
| 62.5° | 1457.9 | 1066.9 | 183.0 | 120.0 | 108.0 | 102.0 | 124.0 | 137.0 | 148.0 | 154.0 | 154.0 |
| 65°   | 1433.9 | 1006.9 | 146.0 | 111.0 | 102.0 | 96.0  | 121.0 | 140.0 | 157.0 | 167.0 | 167.0 |
| 67.5° | 1335.9 | 886.0  | 121.0 | 104.0 | 95.0  | 91.0  | 125.0 | 158.0 | 174.0 | 184.0 | 184.0 |
| 70°   | 1156.9 | 716.0  | 104.0 | 98.0  | 90.0  | 93.0  | 139.0 | 173.0 | 178.0 | 189.0 | 188.0 |
| 72.5° | 917.9  | 535.0  | 93.0  | 92.0  | 87.0  | 98.0  | 148.0 | 167.0 | 167.0 | 171.0 | 167.0 |
| 75°   | 646.0  | 340.0  | 84.0  | 86.0  | 80.0  | 90.0  | 140.0 | 156.0 | 149.0 | 147.0 | 146.0 |
| 77.5° | 368.0  | 184.0  | 74.0  | 78.0  | 72.0  | 78.0  | 122.0 | 139.0 | 132.0 | 127.0 | 125.0 |
| 80°   | 158.0  | 94.0   | 64.0  | 70.0  | 63.0  | 66.0  | 102.0 | 120.0 | 115.0 | 109.0 | 107.0 |
| 82.5° | 63.0   | 49.0   | 54.0  | 62.0  | 53.0  | 56.0  | 87.0  | 102.0 | 98.0  | 92.0  | 86.0  |
| 85°   | 18.0   | 19.0   | 33.0  | 44.0  | 40.0  | 44.0  | 70.0  | 81.0  | 75.0  | 59.0  | 57.0  |
| 87.5° | 2.0    | 3.0    | 7.0   | 9.0   | 10.0  | 8.0   | 16.0  | 22.0  | 20.0  | 15.0  | 12.0  |
| 90°   | 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)