

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: P694793

Luminaire Tested: **LXF.LXT-PA16-30-730-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-730-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3437 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium
BUG Rating: B2 - U3 - G2

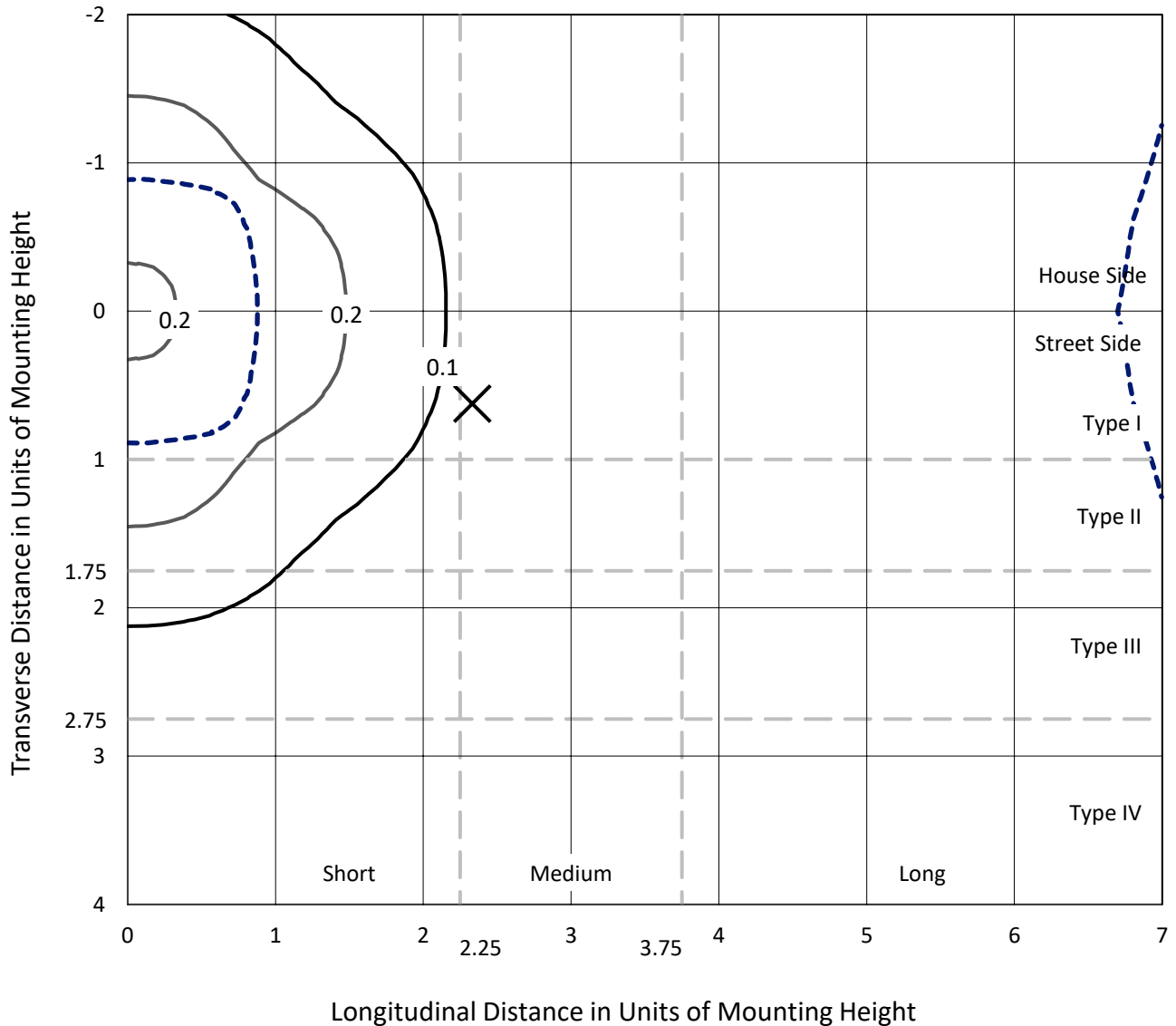
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

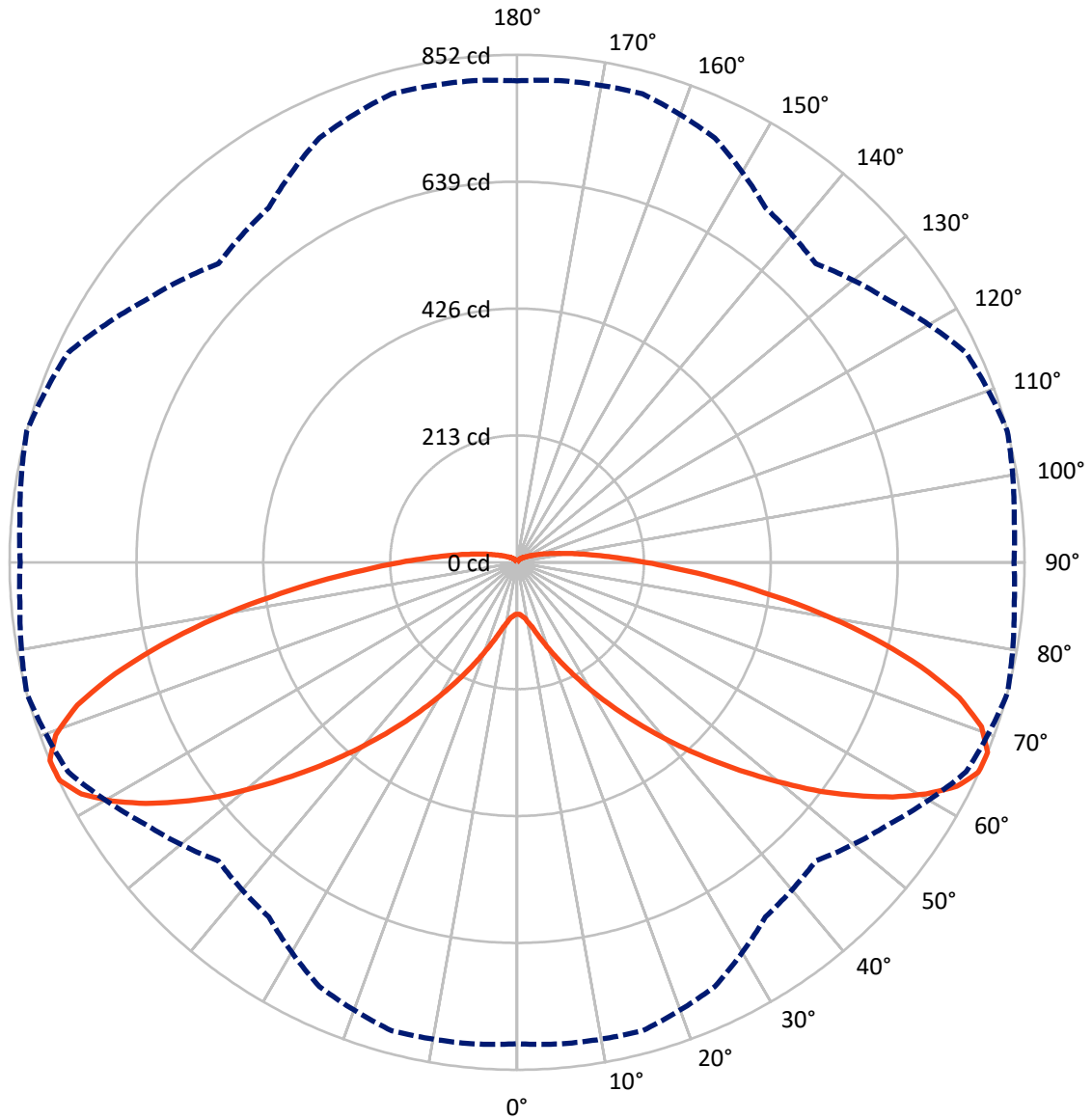
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
Type V - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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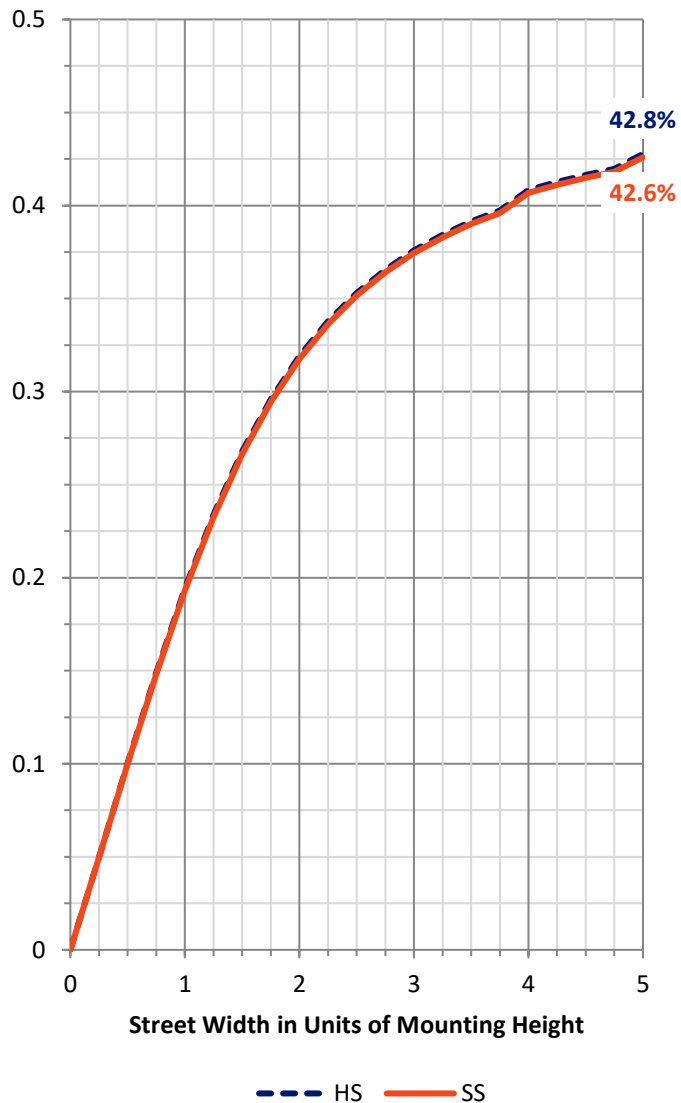
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1568.2 | 150.3 | 1718.5 |
| | % Fixture | 45.6 | 4.4 | 50.0 |
| Street Side | Lumens | 1568.2 | 150.3 | 1718.5 |
| | % Fixture | 45.6 | 4.4 | 50.0 |
| Total | Lumens | 3136.3 | 300.7 | 3437.0 |
| | % Fixture | 91.3 | 8.7 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 9.0 | 0.3 |
| 10°-20° | 36.5 | 1.1 |
| 20°-30° | 93.4 | 2.7 |
| 30°-40° | 195.9 | 5.7 |
| 40°-50° | 357.6 | 10.4 |
| 50°-60° | 579.0 | 16.8 |
| 60°-70° | 770.4 | 22.4 |
| 70°-80° | 702.1 | 20.4 |
| 80°-90° | 392.4 | 11.4 |
| 90°-100° | 166.9 | 4.9 |
| 100°-110° | 72.3 | 2.1 |
| 110°-120° | 34.0 | 1.0 |
| 120°-130° | 16.7 | 0.5 |
| 130°-140° | 7.8 | 0.2 |
| 140°-150° | 2.8 | 0.1 |
| 150°-160° | 0.1 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 3136.3 | 91.3 |
| 0°-180° | 3437.0 | 100.0 |

Coefficient of Utilization

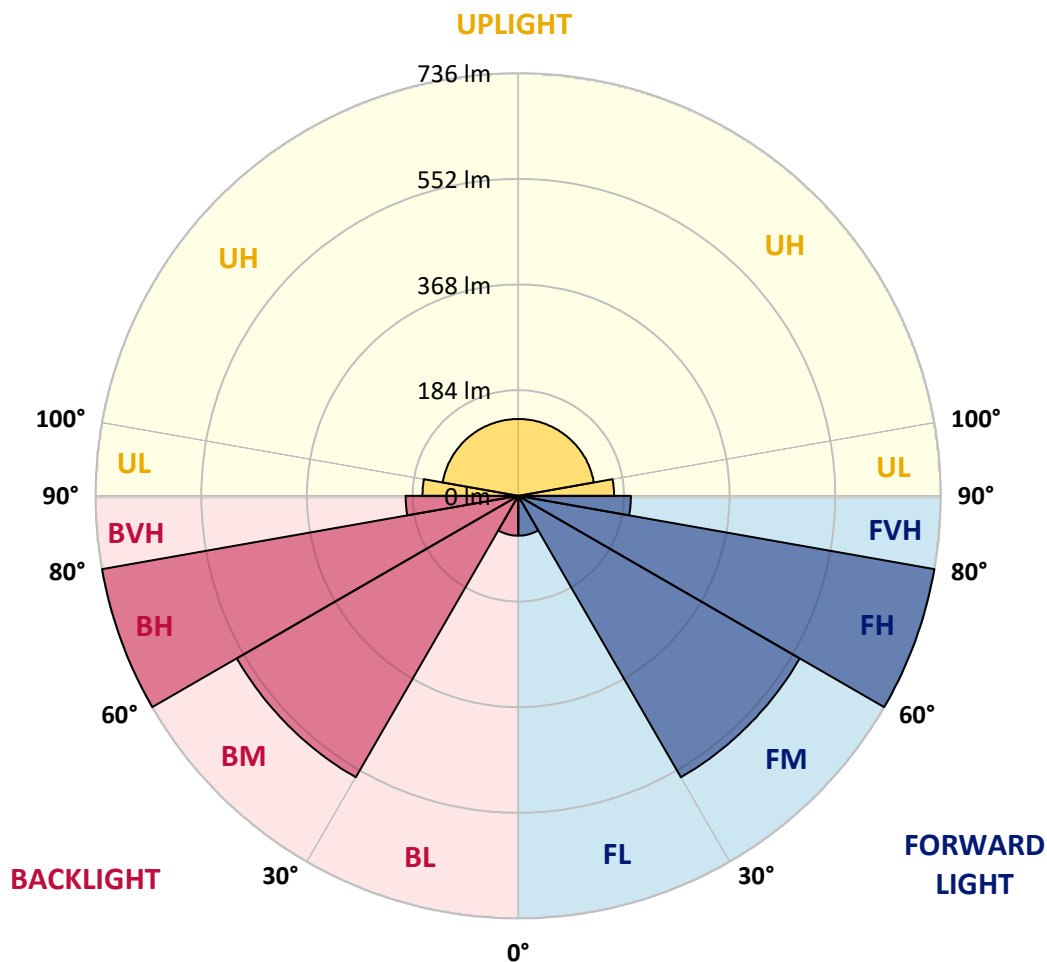


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|--------|---------|
| | | | B | U | G |
| FL (0°-30°) | 69.5 | 2.0 | | | |
| FM (30°-60°) | 566.3 | 16.5 | | | |
| FH (60°-80°) | 736.2 | 21.4 | | | G1/1800 |
| FVH (80°-90°) | 196.2 | 5.7 | | | G2/225 |
| BL (0°-30°) | 69.5 | 2.0 | B0/110 | | |
| BM (30°-60°) | 566.3 | 16.5 | B1/1000 | | |
| BH (60°-80°) | 736.2 | 21.4 | B2/1000 | | G1/1800 |
| BVH (80°-90°) | 196.2 | 5.7 | | | G2/225 |
| UL (90°-100°) | 166.9 | 4.9 | | U3/500 | |
| UH (100°-180°) | 133.8 | 3.9 | | U3/500 | |

BUG Rating: B2-U3-G2
 Type V Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| 2.5° | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 88.6 | 88.6 | 87.5 | 87.5 | 87.5 | 87.5 |
| 5° | 89.8 | 89.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| 7.5° | 94.5 | 94.5 | 94.5 | 95.7 | 95.7 | 95.7 | 95.7 | 94.5 | 94.5 | 94.5 | 95.7 |
| 10° | 102.8 | 102.8 | 101.6 | 102.8 | 101.6 | 101.6 | 102.8 | 101.6 | 102.8 | 101.6 | 101.6 |
| 12.5° | 112.3 | 112.3 | 112.3 | 112.3 | 111.1 | 111.1 | 111.1 | 111.1 | 111.1 | 112.3 | 112.3 |
| 15° | 125.3 | 125.3 | 125.3 | 124.1 | 122.9 | 121.7 | 122.9 | 124.1 | 124.1 | 125.3 | 125.3 |
| 17.5° | 141.8 | 141.8 | 140.6 | 139.5 | 138.3 | 137.1 | 137.1 | 138.3 | 139.5 | 140.6 | 140.6 |
| 20° | 159.5 | 159.5 | 158.4 | 156.0 | 153.6 | 154.8 | 154.8 | 156.0 | 157.2 | 158.4 | 158.4 |
| 22.5° | 179.6 | 178.4 | 177.3 | 174.9 | 173.7 | 172.5 | 173.7 | 173.7 | 177.3 | 179.6 | 178.4 |
| 25° | 202.1 | 202.1 | 199.7 | 196.2 | 193.8 | 193.8 | 195.0 | 196.2 | 199.7 | 202.1 | 203.3 |
| 27.5° | 228.1 | 225.7 | 223.4 | 219.8 | 216.3 | 215.1 | 216.3 | 221.0 | 224.5 | 229.3 | 228.1 |
| 30° | 256.4 | 255.3 | 250.5 | 245.8 | 239.9 | 237.5 | 242.3 | 247.0 | 252.9 | 256.4 | 258.8 |
| 32.5° | 287.2 | 287.2 | 281.3 | 273.0 | 265.9 | 263.5 | 267.1 | 276.5 | 283.6 | 288.4 | 291.9 |
| 35° | 320.3 | 320.3 | 313.2 | 303.7 | 294.3 | 289.5 | 296.6 | 308.4 | 317.9 | 325.0 | 326.2 |
| 37.5° | 359.3 | 356.9 | 349.8 | 336.8 | 321.4 | 319.1 | 327.4 | 341.5 | 354.5 | 362.8 | 362.8 |
| 40° | 398.3 | 395.9 | 388.8 | 372.3 | 352.2 | 348.6 | 358.1 | 379.4 | 394.7 | 401.8 | 403.0 |
| 42.5° | 440.8 | 437.3 | 430.2 | 412.4 | 387.6 | 380.5 | 394.7 | 419.5 | 437.3 | 445.5 | 445.5 |
| 45° | 482.2 | 483.3 | 472.7 | 452.6 | 425.4 | 414.8 | 432.5 | 462.1 | 483.3 | 490.4 | 492.8 |
| 47.5° | 528.3 | 529.4 | 518.8 | 494.0 | 463.3 | 453.8 | 473.9 | 505.8 | 531.8 | 537.7 | 540.1 |
| 50° | 579.1 | 579.1 | 570.8 | 540.1 | 505.8 | 492.8 | 517.6 | 559.0 | 583.8 | 589.7 | 590.9 |
| 52.5° | 628.7 | 627.5 | 621.6 | 587.3 | 548.3 | 534.2 | 562.5 | 609.8 | 639.3 | 640.5 | 640.5 |
| 55° | 678.3 | 677.2 | 670.1 | 637.0 | 590.9 | 575.5 | 609.8 | 663.0 | 691.3 | 693.7 | 694.9 |
| 57.5° | 722.1 | 722.1 | 715.0 | 681.9 | 631.1 | 614.5 | 654.7 | 713.8 | 743.3 | 743.3 | 743.3 |
| 60° | 762.3 | 762.3 | 758.7 | 723.3 | 668.9 | 651.2 | 697.3 | 761.1 | 789.4 | 785.9 | 785.9 |
| 62.5° | 793.0 | 794.2 | 791.8 | 756.3 | 698.4 | 681.9 | 732.7 | 800.1 | 828.4 | 821.3 | 817.8 |
| 65° | 810.7 | 811.9 | 813.1 | 780.0 | 720.9 | 703.2 | 756.3 | 827.2 | 850.9 | 840.2 | 836.7 |
| 67.5° | 808.3 | 811.9 | 814.2 | 785.9 | 726.8 | 709.1 | 764.6 | 832.0 | 852.1 | 837.9 | 834.3 |
| 70° | 785.9 | 790.6 | 795.3 | 771.7 | 717.3 | 700.8 | 754.0 | 816.6 | 827.2 | 810.7 | 804.8 |
| 72.5° | 742.2 | 743.3 | 755.2 | 738.6 | 691.3 | 674.8 | 720.9 | 774.1 | 776.4 | 756.3 | 749.3 |
| 75° | 677.2 | 677.2 | 692.5 | 680.7 | 645.3 | 631.1 | 668.9 | 707.9 | 700.8 | 679.5 | 671.3 |
| 77.5° | 594.4 | 600.3 | 613.3 | 612.2 | 583.8 | 576.7 | 603.9 | 621.6 | 611.0 | 583.8 | 575.5 |
| 80° | 502.3 | 507.0 | 525.9 | 530.6 | 514.1 | 507.0 | 525.9 | 531.8 | 515.3 | 488.1 | 481.0 |
| 82.5° | 417.2 | 421.9 | 439.6 | 452.6 | 442.0 | 436.1 | 445.5 | 440.8 | 417.2 | 393.5 | 388.8 |
| 85° | 339.2 | 340.4 | 361.6 | 371.1 | 371.1 | 366.4 | 367.5 | 354.5 | 333.3 | 308.4 | 301.4 |
| 87.5° | 270.6 | 270.6 | 289.5 | 303.7 | 307.3 | 303.7 | 300.2 | 283.6 | 260.0 | 239.9 | 238.7 |
| 90° | 213.9 | 215.1 | 230.4 | 244.6 | 250.5 | 248.2 | 239.9 | 223.4 | 204.4 | 186.7 | 184.4 |
| 92.5° | 170.2 | 172.5 | 184.4 | 198.5 | 205.6 | 204.4 | 195.0 | 179.6 | 160.7 | 146.5 | 145.4 |
| 95° | 137.1 | 137.1 | 147.7 | 159.5 | 167.8 | 167.8 | 159.5 | 144.2 | 127.6 | 114.6 | 113.5 |
| 97.5° | 108.7 | 109.9 | 119.4 | 130.0 | 137.1 | 137.1 | 130.0 | 117.0 | 101.6 | 91.0 | 88.6 |
| 100° | 88.6 | 88.6 | 95.7 | 106.4 | 113.5 | 113.5 | 106.4 | 94.5 | 81.5 | 72.1 | 70.9 |
| 102.5° | 70.9 | 72.1 | 78.0 | 87.5 | 93.4 | 94.5 | 88.6 | 79.2 | 66.2 | 57.9 | 57.9 |
| 105° | 59.1 | 59.1 | 65.0 | 72.1 | 78.0 | 79.2 | 74.5 | 65.0 | 54.4 | 47.3 | 46.1 |
| 107.5° | 48.5 | 48.5 | 53.2 | 61.5 | 66.2 | 67.4 | 62.6 | 54.4 | 44.9 | 39.0 | 37.8 |
| 110° | 41.4 | 40.2 | 43.7 | 50.8 | 56.7 | 56.7 | 53.2 | 46.1 | 36.6 | 31.9 | 31.9 |

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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 34.3 | 34.3 | 36.6 | 42.5 | 47.3 | 49.6 | 46.1 | 39.0 | 30.7 | 27.2 | 27.2 |
| 115° | 29.5 | 29.5 | 31.9 | 36.6 | 41.4 | 41.4 | 39.0 | 31.9 | 26.0 | 23.6 | 23.6 |
| 117.5° | 26.0 | 26.0 | 27.2 | 30.7 | 34.3 | 35.5 | 33.1 | 27.2 | 22.5 | 20.1 | 20.1 |
| 120° | 22.5 | 22.5 | 23.6 | 26.0 | 29.5 | 30.7 | 28.4 | 23.6 | 18.9 | 17.7 | 17.7 |
| 122.5° | 20.1 | 20.1 | 20.1 | 22.5 | 26.0 | 26.0 | 23.6 | 20.1 | 16.5 | 15.4 | 15.4 |
| 125° | 17.7 | 17.7 | 17.7 | 18.9 | 21.3 | 22.5 | 20.1 | 16.5 | 14.2 | 14.2 | 14.2 |
| 127.5° | 15.4 | 15.4 | 15.4 | 16.5 | 18.9 | 18.9 | 17.7 | 14.2 | 13.0 | 13.0 | 13.0 |
| 130° | 14.2 | 14.2 | 14.2 | 14.2 | 15.4 | 15.4 | 14.2 | 11.8 | 11.8 | 11.8 | 11.8 |
| 132.5° | 11.8 | 11.8 | 11.8 | 11.8 | 13.0 | 13.0 | 11.8 | 10.6 | 9.5 | 10.6 | 10.6 |
| 135° | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 9.5 | 8.3 | 8.3 | 9.5 | 9.5 |
| 137.5° | 9.5 | 9.5 | 9.5 | 8.3 | 8.3 | 8.3 | 7.1 | 7.1 | 8.3 | 8.3 | 8.3 |
| 140° | 8.3 | 8.3 | 7.1 | 7.1 | 7.1 | 5.9 | 5.9 | 5.9 | 7.1 | 7.1 | 7.1 |
| 142.5° | 7.1 | 7.1 | 5.9 | 5.9 | 4.7 | 4.7 | 4.7 | 4.7 | 5.9 | 5.9 | 5.9 |
| 145° | 4.7 | 4.7 | 4.7 | 4.7 | 3.5 | 3.5 | 3.5 | 3.5 | 4.7 | 4.7 | 4.7 |
| 147.5° | 3.5 | 3.5 | 3.5 | 3.5 | 2.4 | 2.4 | 2.4 | 3.5 | 3.5 | 3.5 | 3.5 |
| 150° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 1.2 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)