

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: P414192

Luminaire Tested: **LXF.LXT-PA1-20-730-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-730-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2508 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

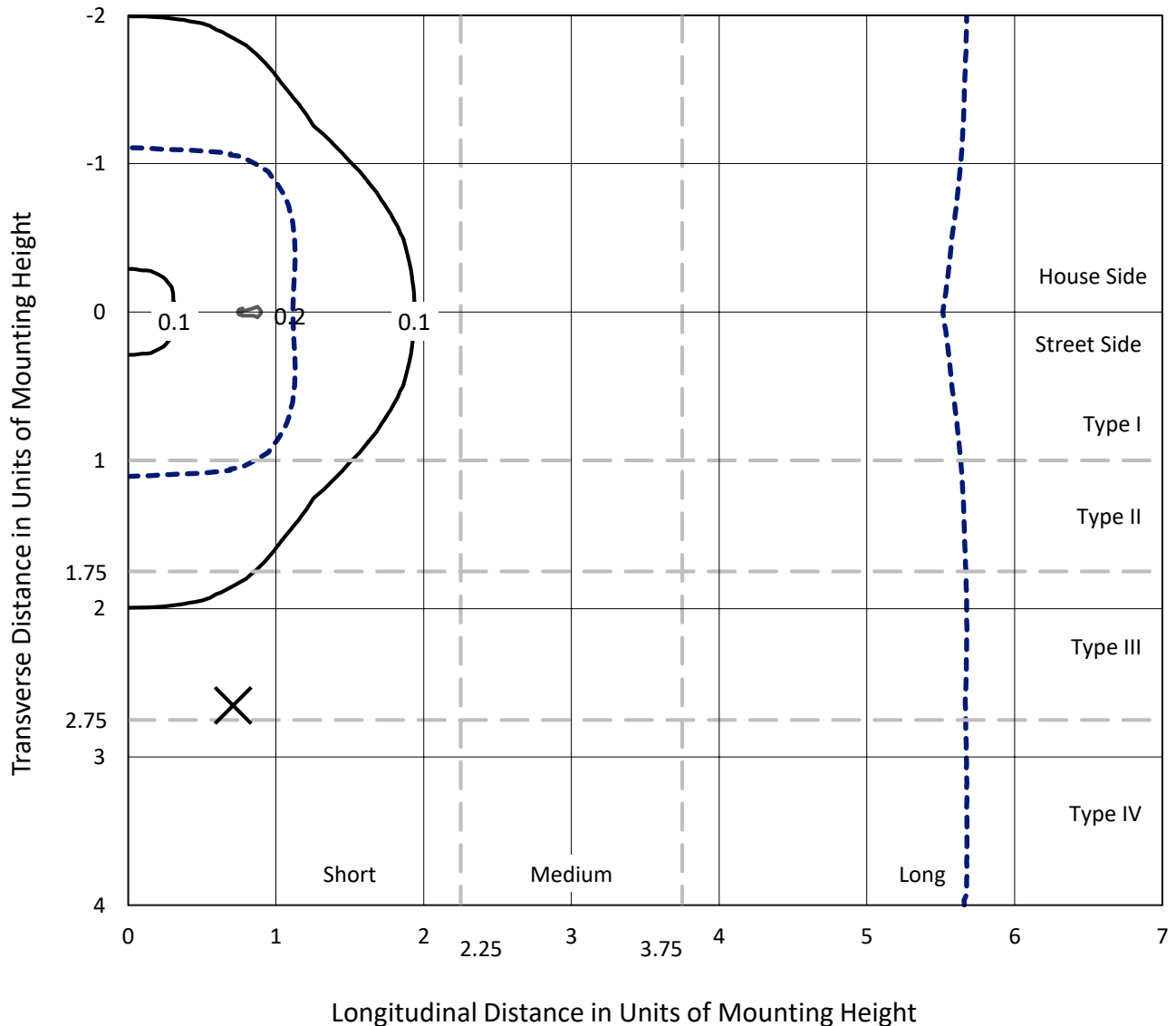
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

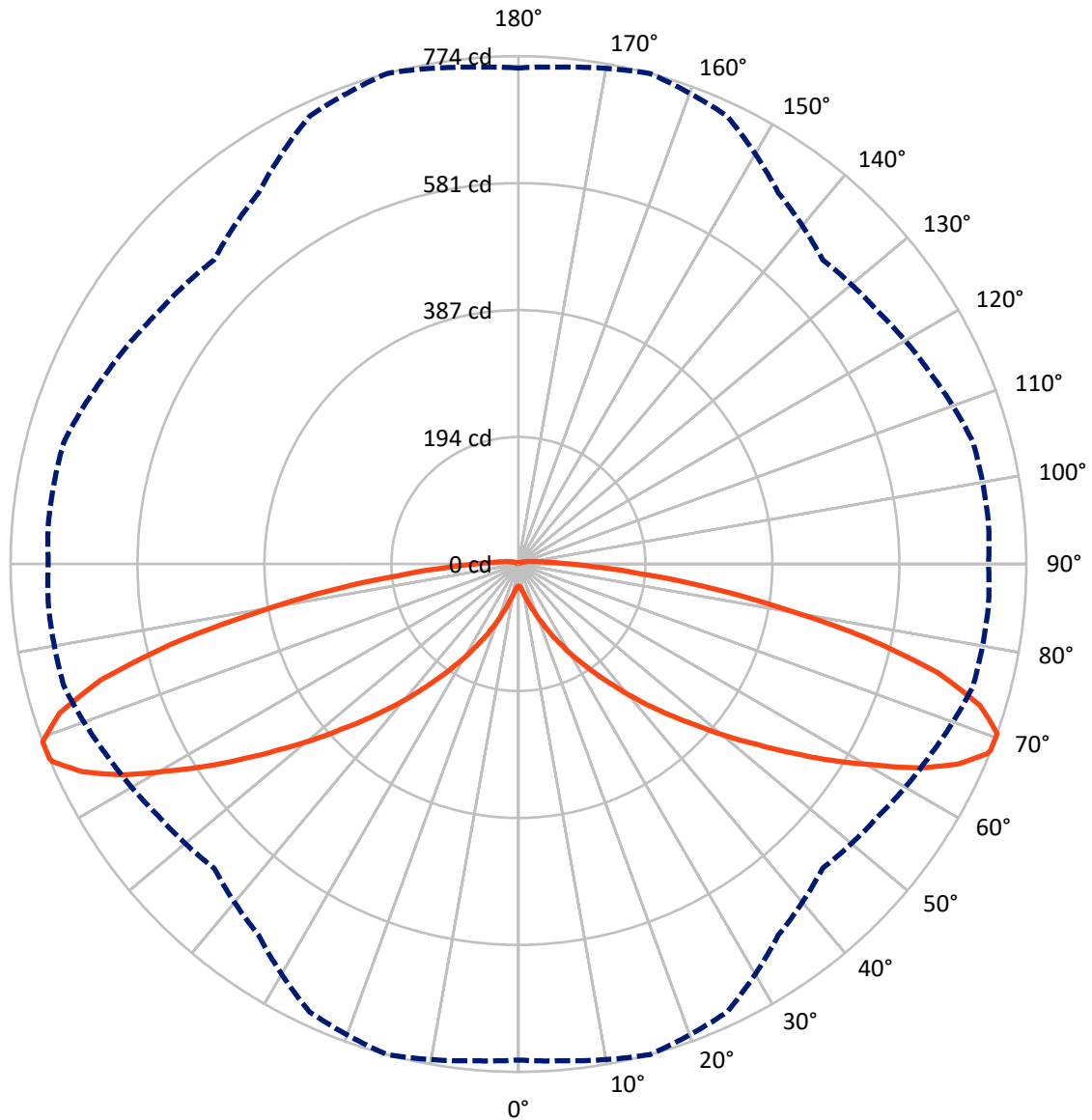
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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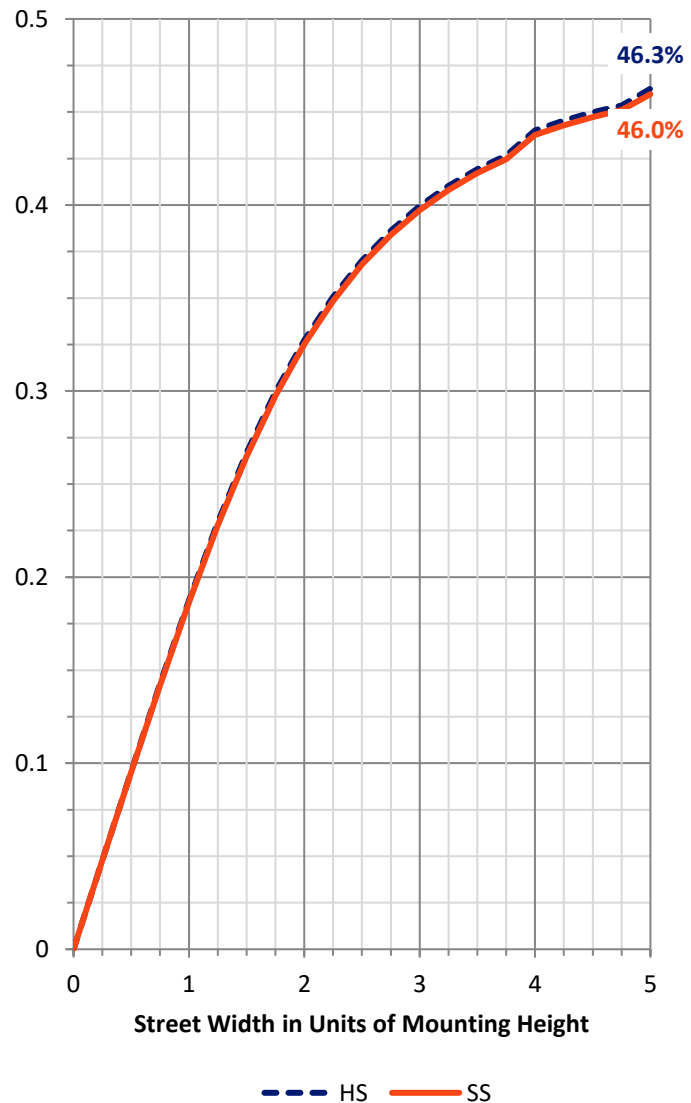
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1209.8 | 44.1 | 1254.0 |
| | % Fixture | 48.2 | 1.8 | 50.0 |
| Street Side | Lumens | 1209.8 | 44.1 | 1254.0 |
| | % Fixture | 48.2 | 1.8 | 50.0 |
| Total | Lumens | 2419.7 | 88.3 | 2508.0 |
| | % Fixture | 96.5 | 3.5 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 3.8 | 0.1 |
| 10°-20° | 18.1 | 0.7 |
| 20°-30° | 54.5 | 2.2 |
| 30°-40° | 125.2 | 5.0 |
| 40°-50° | 240.8 | 9.6 |
| 50°-60° | 425.8 | 17.0 |
| 60°-70° | 659.9 | 26.3 |
| 70°-80° | 640.4 | 25.5 |
| 80°-90° | 251.2 | 10.0 |
| 90°-100° | 54.0 | 2.2 |
| 100°-110° | 18.5 | 0.7 |
| 110°-120° | 8.1 | 0.3 |
| 120°-130° | 4.1 | 0.2 |
| 130°-140° | 2.2 | 0.1 |
| 140°-150° | 1.0 | 0.0 |
| 150°-160° | 0.3 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 2419.7 | 96.5 |
| 0°-180° | 2508.0 | 100.0 |



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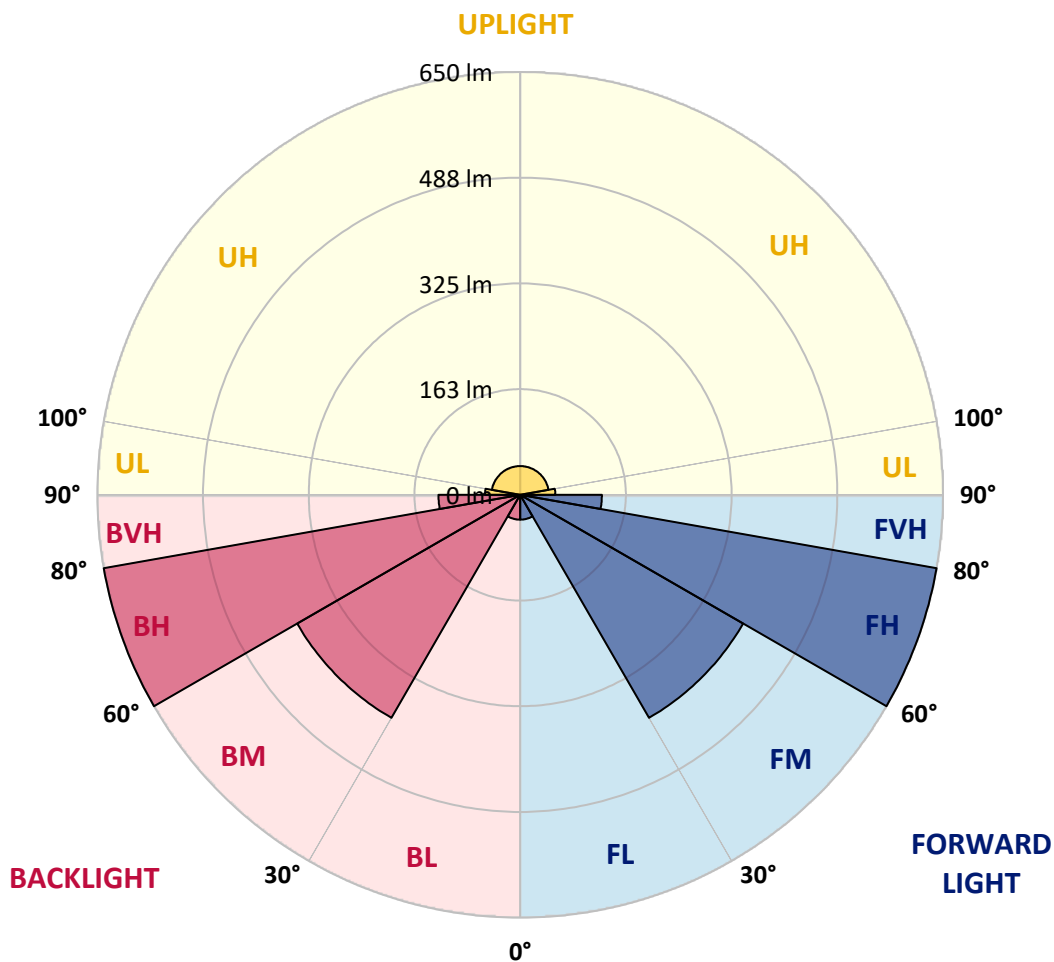
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-5WQ-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|--------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 38.2 | 1.5 | | | |
| FM | (30°-60°) | 395.9 | 15.8 | | | |
| FH | (60°-80°) | 650.1 | 25.9 | | | G0/660 |
| FVH | (80°-90°) | 125.6 | 5.0 | | | G2/225 |
| BL | (0°-30°) | 38.2 | 1.5 | B0/110 | | |
| BM | (30°-60°) | 395.9 | 15.8 | B1/1000 | | |
| BH | (60°-80°) | 650.1 | 25.9 | B2/1000 | | G0/660 |
| BVH | (80°-90°) | 125.6 | 5.0 | | | G2/225 |
| UL | (90°-100°) | 54.0 | 2.2 | | U3/500 | |
| UH | (100°-180°) | 44.1 | 1.8 | | U2/50 | |

BUG Rating: B2-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 |
| 2.5° | 34.3 | 34.3 | 34.3 | 34.6 | 34.6 | 34.9 | 34.6 | 34.3 | 34.3 | 34.0 | 34.0 |
| 5° | 36.8 | 36.8 | 36.8 | 36.8 | 37.1 | 37.1 | 36.5 | 36.2 | 36.0 | 36.0 | 36.0 |
| 7.5° | 40.6 | 40.6 | 40.9 | 40.6 | 40.6 | 40.4 | 39.8 | 39.3 | 39.3 | 39.0 | 39.0 |
| 10° | 46.7 | 46.1 | 46.1 | 45.8 | 45.6 | 45.0 | 44.5 | 44.2 | 43.7 | 43.7 | 43.1 |
| 12.5° | 54.9 | 54.6 | 53.8 | 53.0 | 51.9 | 51.1 | 50.5 | 50.2 | 50.2 | 50.2 | 50.8 |
| 15° | 64.5 | 64.8 | 64.2 | 62.3 | 60.1 | 58.5 | 58.2 | 58.2 | 58.7 | 59.3 | 59.3 |
| 17.5° | 77.1 | 76.6 | 75.2 | 73.0 | 70.3 | 68.6 | 67.5 | 68.4 | 69.7 | 70.6 | 71.1 |
| 20° | 90.9 | 90.6 | 88.7 | 85.1 | 82.1 | 79.9 | 79.1 | 80.2 | 82.6 | 84.8 | 84.6 |
| 22.5° | 106.8 | 106.5 | 103.5 | 98.8 | 94.7 | 92.2 | 91.4 | 93.6 | 98.8 | 101.6 | 102.1 |
| 25° | 124.9 | 124.1 | 121.3 | 115.0 | 109.3 | 105.4 | 106.0 | 109.8 | 116.7 | 122.2 | 121.9 |
| 27.5° | 145.5 | 144.4 | 139.2 | 132.0 | 124.4 | 120.5 | 121.6 | 127.9 | 137.3 | 143.6 | 144.4 |
| 30° | 168.0 | 166.4 | 160.9 | 150.4 | 141.7 | 136.2 | 138.9 | 147.7 | 159.5 | 168.6 | 169.7 |
| 32.5° | 189.7 | 191.6 | 182.3 | 171.9 | 159.8 | 152.6 | 156.2 | 168.3 | 182.8 | 195.5 | 196.6 |
| 35° | 217.2 | 215.5 | 207.5 | 193.8 | 179.0 | 171.6 | 176.2 | 191.1 | 207.5 | 222.4 | 222.9 |
| 37.5° | 246.5 | 244.9 | 234.4 | 217.7 | 200.4 | 191.6 | 197.7 | 213.6 | 234.7 | 249.5 | 252.8 |
| 40° | 278.1 | 274.8 | 265.2 | 244.6 | 223.5 | 214.4 | 220.2 | 240.2 | 263.0 | 279.2 | 281.4 |
| 42.5° | 309.1 | 307.2 | 297.3 | 273.7 | 249.5 | 238.0 | 246.5 | 266.3 | 292.6 | 308.6 | 311.3 |
| 45° | 342.9 | 342.6 | 331.9 | 306.1 | 278.9 | 266.0 | 274.8 | 296.8 | 322.0 | 340.4 | 342.1 |
| 47.5° | 378.6 | 378.9 | 369.5 | 343.7 | 310.8 | 296.2 | 304.7 | 329.4 | 359.1 | 375.6 | 377.2 |
| 50° | 420.9 | 419.2 | 412.9 | 382.7 | 348.1 | 331.6 | 342.6 | 368.4 | 395.9 | 413.4 | 415.1 |
| 52.5° | 465.3 | 465.3 | 457.9 | 430.2 | 389.8 | 372.8 | 382.1 | 408.5 | 439.2 | 455.2 | 458.5 |
| 55° | 514.7 | 512.5 | 509.5 | 479.3 | 438.2 | 418.4 | 427.7 | 457.6 | 485.9 | 499.6 | 499.9 |
| 57.5° | 568.3 | 566.1 | 565.5 | 538.4 | 491.4 | 465.6 | 476.3 | 504.6 | 536.7 | 545.8 | 548.5 |
| 60° | 620.2 | 624.0 | 621.8 | 597.9 | 544.9 | 515.8 | 527.9 | 557.6 | 588.6 | 596.8 | 599.6 |
| 62.5° | 676.7 | 678.6 | 684.7 | 655.6 | 598.5 | 567.5 | 579.5 | 605.9 | 637.5 | 644.3 | 645.4 |
| 65° | 725.6 | 727.5 | 735.5 | 708.0 | 643.2 | 610.6 | 624.3 | 652.0 | 683.6 | 689.6 | 686.1 |
| 67.5° | 754.7 | 759.1 | 771.2 | 745.1 | 678.4 | 642.4 | 656.4 | 682.5 | 709.9 | 715.4 | 710.8 |
| 68° | 759.1 | 762.6 | 773.9 | 750.3 | 682.8 | 646.2 | 661.1 | 686.9 | 714.9 | 719.3 | 715.7 |
| 70° | 756.1 | 760.2 | 774.2 | 753.3 | 690.7 | 655.9 | 669.9 | 691.8 | 717.6 | 719.3 | 716.8 |
| 72.5° | 714.3 | 721.7 | 735.5 | 728.1 | 677.3 | 645.7 | 657.5 | 671.0 | 688.8 | 688.5 | 685.5 |
| 75° | 634.4 | 631.1 | 659.4 | 663.0 | 629.5 | 611.4 | 617.1 | 617.4 | 621.0 | 616.0 | 606.2 |
| 77.5° | 507.3 | 515.0 | 542.5 | 566.4 | 555.1 | 548.0 | 549.1 | 532.9 | 525.7 | 504.6 | 498.0 |
| 80° | 370.1 | 376.1 | 405.5 | 441.7 | 457.9 | 466.2 | 456.8 | 426.3 | 401.4 | 379.7 | 372.3 |
| 82.5° | 252.6 | 254.8 | 289.4 | 324.2 | 356.6 | 366.5 | 358.3 | 316.8 | 282.2 | 259.2 | 249.0 |
| 85° | 155.4 | 159.0 | 183.7 | 218.3 | 256.4 | 278.9 | 259.7 | 218.3 | 183.4 | 165.3 | 161.1 |
| 87.5° | 91.4 | 96.9 | 113.4 | 139.5 | 176.0 | 195.2 | 180.1 | 144.1 | 116.1 | 102.9 | 98.0 |
| 90° | 57.1 | 60.4 | 70.8 | 89.8 | 118.0 | 132.0 | 121.9 | 93.6 | 74.9 | 63.7 | 60.1 |
| 92.5° | 39.8 | 40.9 | 48.0 | 60.1 | 80.4 | 90.0 | 81.5 | 64.2 | 51.3 | 42.8 | 41.5 |
| 95° | 29.6 | 30.5 | 34.9 | 42.6 | 55.5 | 62.9 | 57.1 | 45.3 | 36.5 | 30.7 | 29.9 |
| 97.5° | 23.3 | 23.9 | 27.5 | 32.4 | 40.6 | 45.8 | 42.3 | 34.6 | 28.3 | 23.6 | 22.8 |
| 100° | 18.1 | 18.7 | 22.0 | 25.8 | 31.8 | 34.6 | 32.4 | 27.2 | 22.2 | 18.1 | 17.6 |
| 102.5° | 14.3 | 14.6 | 17.6 | 21.1 | 25.5 | 27.5 | 25.8 | 22.0 | 17.6 | 14.0 | 13.7 |
| 105° | 11.3 | 11.5 | 14.3 | 17.6 | 21.1 | 22.5 | 21.4 | 18.1 | 14.0 | 10.7 | 10.4 |
| 107.5° | 8.8 | 9.1 | 11.3 | 14.6 | 17.6 | 18.7 | 17.6 | 14.8 | 11.0 | 8.5 | 8.2 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-----|-----|-----|------|------|------|------|------|-----|-----|-----|
| 110° | 7.1 | 7.1 | 9.3 | 12.1 | 14.8 | 15.6 | 14.8 | 12.1 | 8.8 | 6.9 | 6.6 |
| 112.5° | 6.0 | 6.0 | 7.7 | 10.2 | 12.4 | 13.5 | 12.4 | 9.9 | 7.1 | 5.5 | 5.5 |
| 115° | 4.9 | 5.2 | 6.3 | 8.5 | 10.4 | 11.3 | 10.4 | 8.2 | 6.0 | 4.7 | 4.7 |
| 117.5° | 4.4 | 4.7 | 5.5 | 7.1 | 9.1 | 9.6 | 8.8 | 6.9 | 4.9 | 4.1 | 4.1 |
| 120° | 4.1 | 4.1 | 4.7 | 6.0 | 7.7 | 8.2 | 7.4 | 6.0 | 4.4 | 3.8 | 3.8 |
| 122.5° | 3.8 | 3.8 | 4.1 | 5.2 | 6.6 | 7.1 | 6.3 | 4.9 | 3.8 | 3.6 | 3.3 |
| 125° | 3.6 | 3.6 | 3.8 | 4.7 | 5.8 | 6.0 | 5.5 | 4.4 | 3.3 | 3.0 | 3.0 |
| 127.5° | 3.3 | 3.3 | 3.6 | 4.1 | 4.9 | 5.2 | 4.9 | 3.8 | 3.0 | 3.0 | 3.0 |
| 130° | 3.0 | 3.0 | 3.3 | 3.6 | 4.4 | 4.7 | 4.1 | 3.3 | 2.7 | 2.7 | 2.7 |
| 132.5° | 2.7 | 2.7 | 2.7 | 3.3 | 3.8 | 3.8 | 3.6 | 3.0 | 2.7 | 2.5 | 2.5 |
| 135° | 2.7 | 2.7 | 2.7 | 2.7 | 3.3 | 3.6 | 3.0 | 2.7 | 2.5 | 2.5 | 2.5 |
| 137.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.7 | 3.0 | 2.7 | 2.5 | 2.2 | 2.2 | 2.2 |
| 140° | 2.2 | 2.2 | 2.2 | 2.2 | 2.5 | 2.5 | 2.5 | 1.9 | 1.9 | 1.9 | 1.9 |
| 142.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.2 | 1.9 | 1.6 | 1.6 | 1.6 | 1.6 |
| 145° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 147.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 150° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 152.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 155° | 0.5 | 0.5 | 0.5 | 0.5 | 0.8 | 0.5 | 0.8 | 0.5 | 0.5 | 0.5 | 0.5 |
| 157.5° | 0.3 | 0.3 | 0.5 | 0.5 | 0.5 | 0.8 | 0.5 | 0.5 | 0.3 | 0.3 | 0.3 |
| 160° | 0.0 | 0.3 | 0.3 | 0.3 | 0.5 | 0.5 | 0.5 | 0.3 | 0.3 | 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)