

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: INVUE

Report Number: P253189

Luminaire Tested: **LXS-B1-LED-D1-T5-A-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P253189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-4)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-B1-LED-D1-T5-A-8030
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE V OPTIC, GRAPHITE METALLIC PAINTED FINISH,
ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2242 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

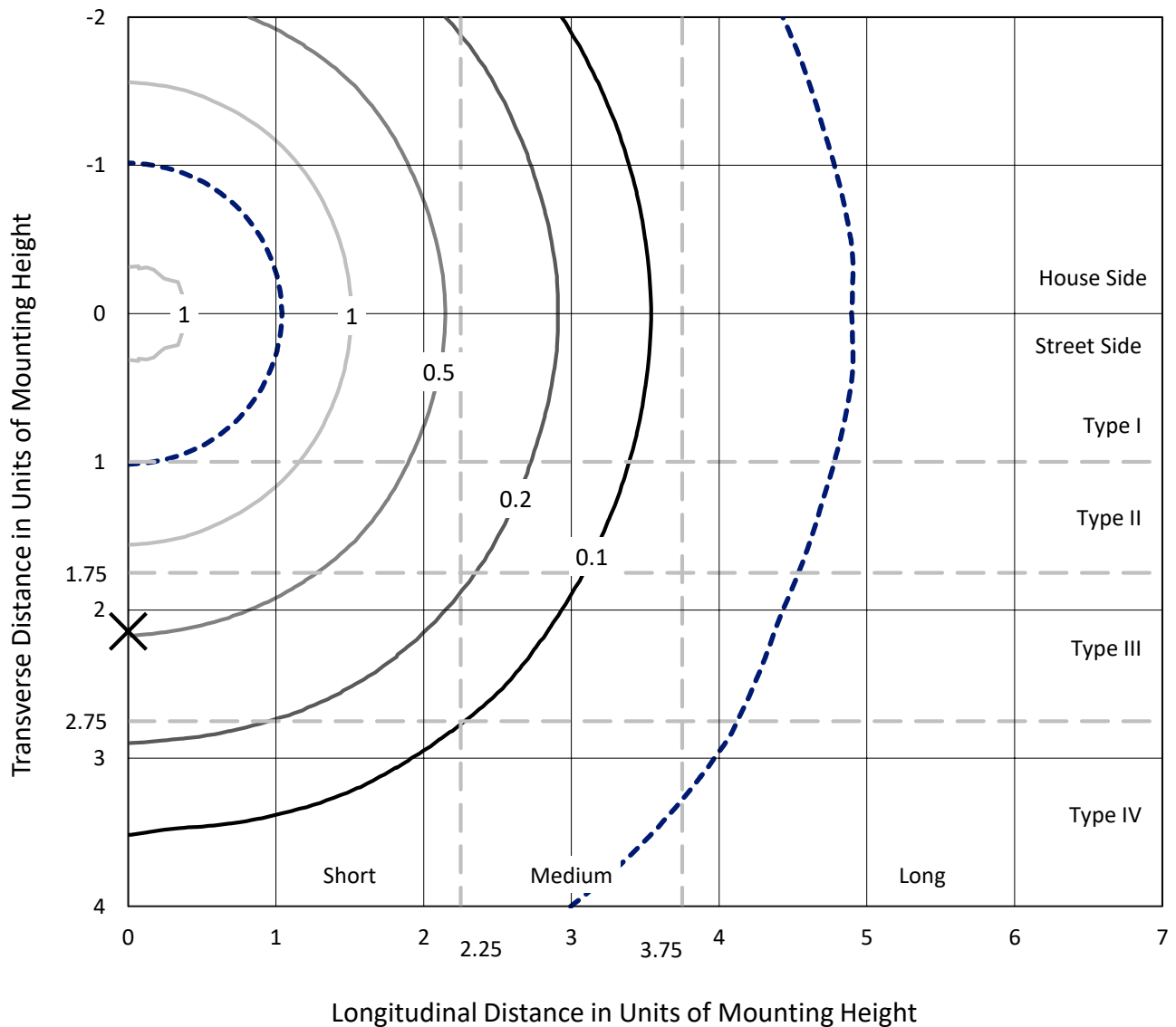
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

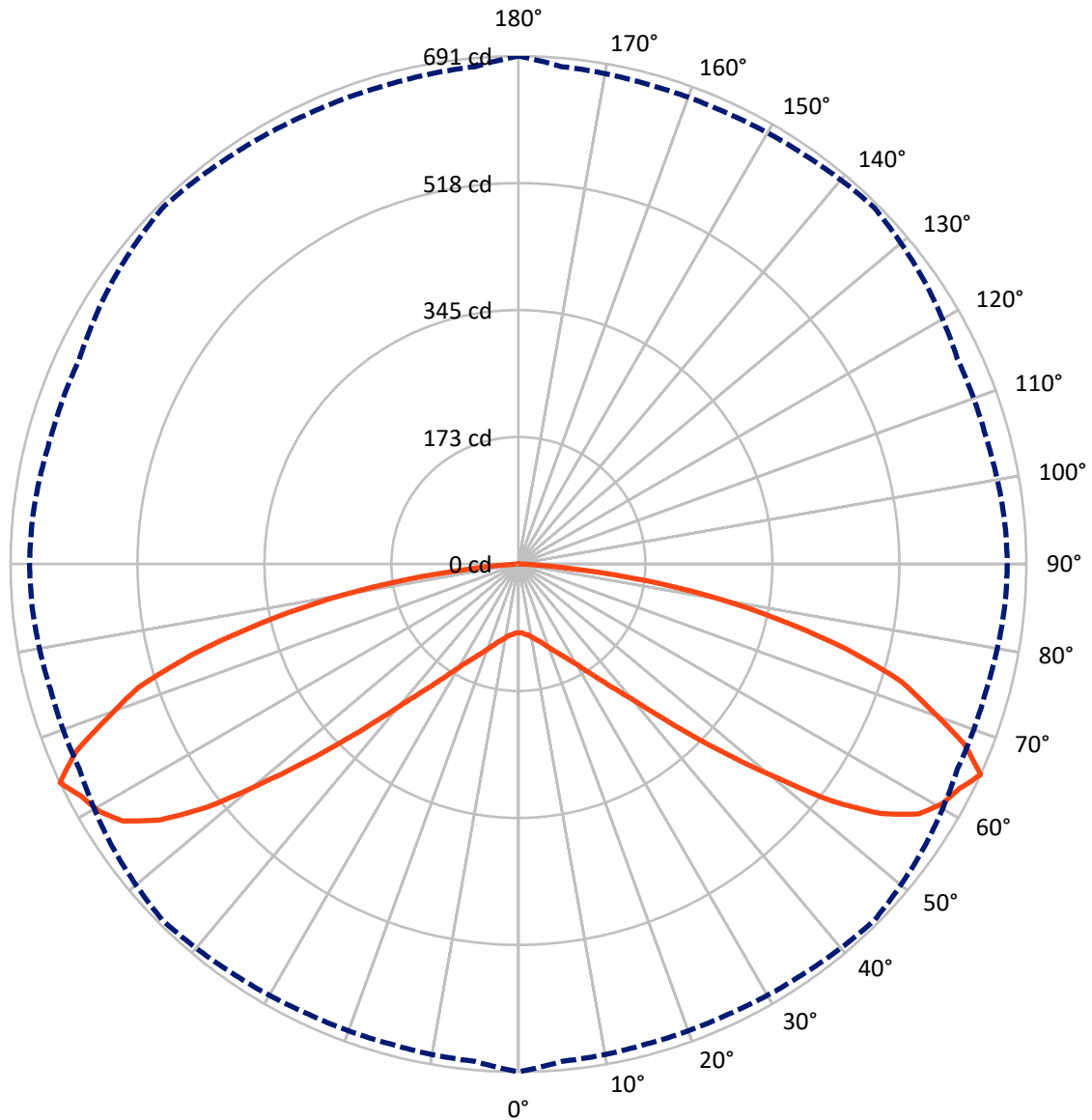
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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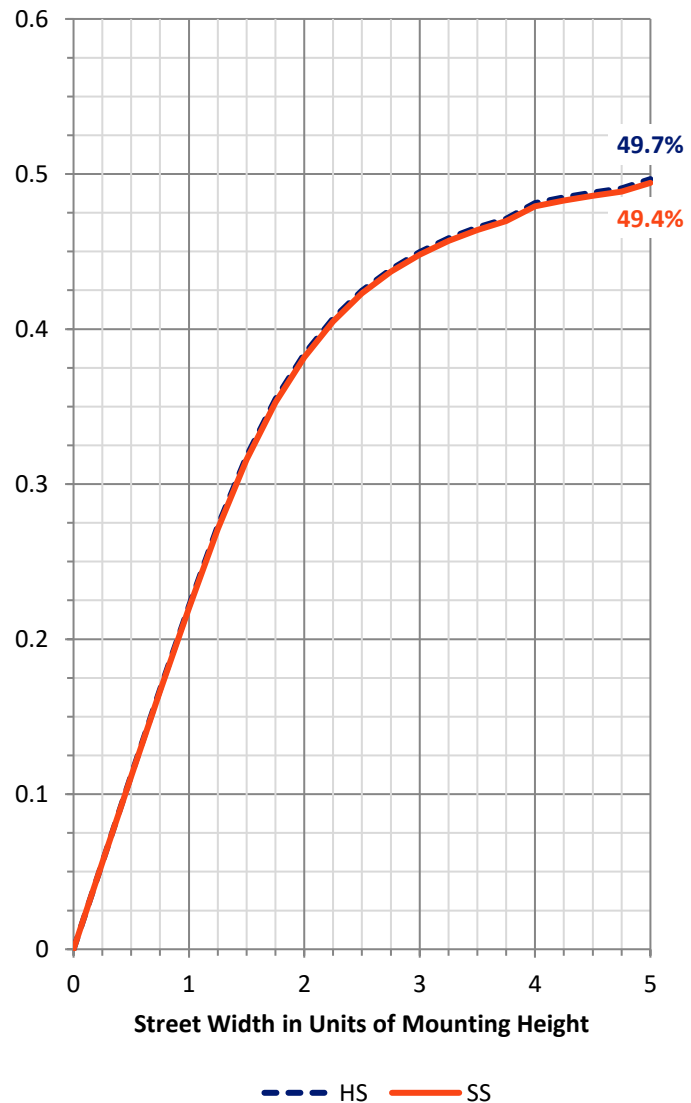
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1121.0 | 0.0 | 1121.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1121.0 | 0.0 | 1121.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 2242.0 | 0.0 | 2242.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 9.3 | 0.4 |
| 10°-20° | 31.4 | 1.4 |
| 20°-30° | 64.0 | 2.9 |
| 30°-40° | 122.2 | 5.5 |
| 40°-50° | 259.9 | 11.6 |
| 50°-60° | 512.3 | 22.9 |
| 60°-70° | 650.8 | 29.0 |
| 70°-80° | 488.0 | 21.8 |
| 80°-90° | 104.1 | 4.6 |
| 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° | 2242.0 | 100.0 |
| 0°-180° | 2242.0 | 100.0 |



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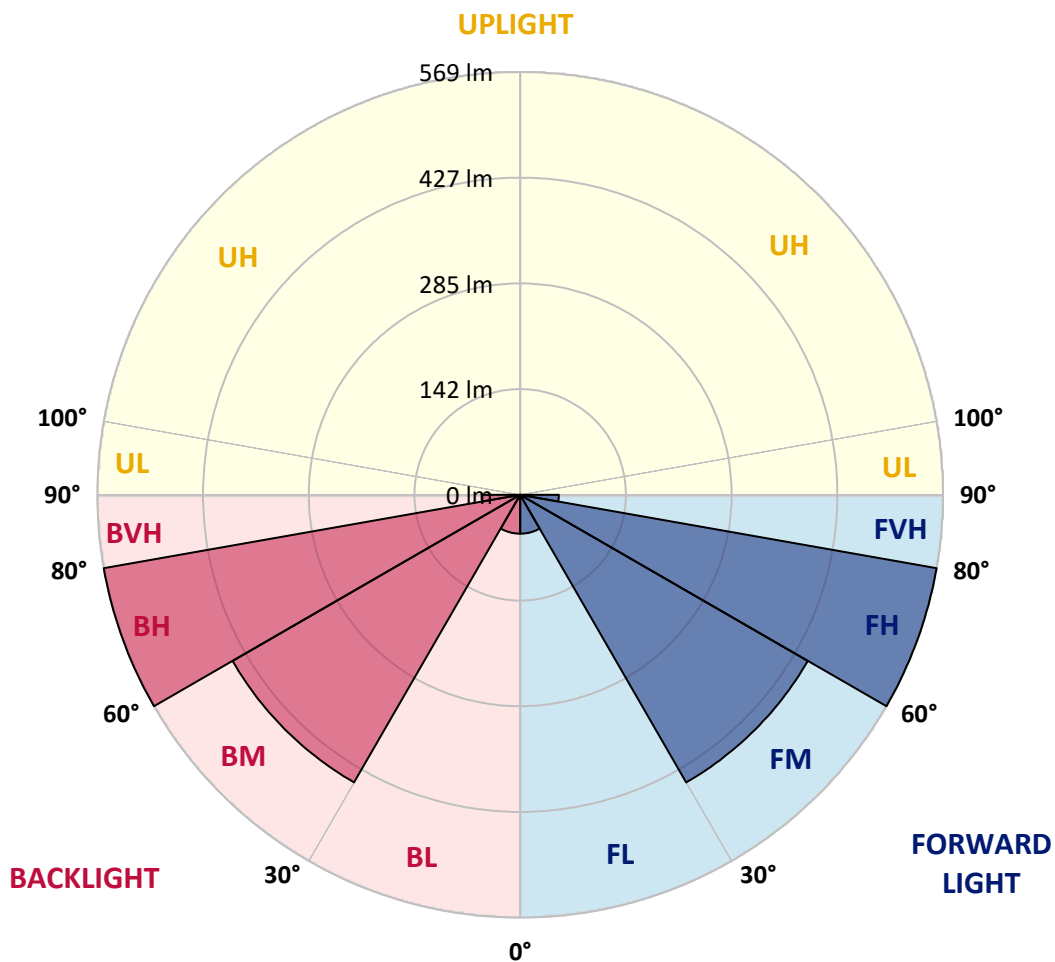
CATALOG NUMBER: LXS-B1-LED-D1-T5-A-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 52.3 | 2.3 | | | |
| FM | (30°-60°) | 447.2 | 19.9 | | | |
| FH | (60°-80°) | 569.4 | 25.4 | | | G0/660 |
| FVH | (80°-90°) | 52.0 | 2.3 | | | G1/100 |
| BL | (0°-30°) | 52.3 | 2.3 | B0/110 | | |
| BM | (30°-60°) | 447.2 | 19.9 | B1/1000 | | |
| BH | (60°-80°) | 569.4 | 25.4 | B2/1000 | | G0/660 |
| BVH | (80°-90°) | 52.0 | 2.3 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 2.5° | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 5° | 96.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 7.5° | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 10° | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 |
| 12.5° | 105.3 | 105.3 | 105.3 | 104.4 | 104.4 | 104.4 | 104.4 | 104.4 | 104.4 | 104.4 | 104.4 |
| 15° | 109.4 | 109.4 | 109.4 | 109.4 | 109.4 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 |
| 17.5° | 115.3 | 115.3 | 115.3 | 114.4 | 114.4 | 114.4 | 114.4 | 113.6 | 114.4 | 114.4 | 114.4 |
| 20° | 122.0 | 122.0 | 121.1 | 121.1 | 121.1 | 121.1 | 120.3 | 120.3 | 120.3 | 120.3 | 120.3 |
| 22.5° | 129.5 | 129.5 | 128.7 | 128.7 | 128.7 | 127.8 | 127.8 | 127.0 | 127.0 | 127.0 | 127.0 |
| 25° | 137.8 | 137.8 | 137.0 | 137.0 | 137.0 | 136.2 | 135.3 | 135.3 | 135.3 | 135.3 | 135.3 |
| 27.5° | 147.9 | 147.9 | 147.0 | 147.0 | 146.2 | 145.4 | 144.5 | 144.5 | 144.5 | 144.5 | 144.5 |
| 30° | 159.6 | 159.6 | 159.6 | 158.7 | 157.9 | 157.1 | 156.2 | 155.4 | 155.4 | 155.4 | 155.4 |
| 32.5° | 175.4 | 174.6 | 174.6 | 172.9 | 172.9 | 171.3 | 170.4 | 169.6 | 169.6 | 169.6 | 168.7 |
| 35° | 194.6 | 193.8 | 193.0 | 193.0 | 191.3 | 189.6 | 188.0 | 187.1 | 186.3 | 186.3 | 186.3 |
| 37.5° | 217.2 | 217.2 | 215.5 | 213.9 | 213.0 | 211.4 | 209.7 | 208.8 | 208.0 | 208.0 | 206.3 |
| 40° | 245.6 | 245.6 | 244.8 | 243.1 | 240.6 | 238.9 | 238.9 | 237.3 | 236.4 | 235.6 | 234.7 |
| 42.5° | 284.9 | 284.0 | 282.4 | 280.7 | 279.9 | 275.7 | 274.8 | 273.2 | 272.3 | 272.3 | 270.7 |
| 45° | 334.2 | 335.0 | 333.3 | 330.0 | 329.1 | 327.5 | 323.3 | 323.3 | 320.8 | 319.1 | 320.0 |
| 47.5° | 392.6 | 393.5 | 391.0 | 387.6 | 384.3 | 379.3 | 380.9 | 377.6 | 376.8 | 375.1 | 372.6 |
| 50° | 458.6 | 457.8 | 455.3 | 451.9 | 451.1 | 446.1 | 444.4 | 441.9 | 440.3 | 441.9 | 438.6 |
| 52.5° | 537.2 | 537.2 | 533.8 | 526.3 | 522.1 | 522.1 | 517.9 | 515.4 | 512.9 | 512.9 | 510.4 |
| 55° | 599.8 | 599.0 | 594.8 | 591.5 | 588.1 | 581.4 | 582.3 | 576.4 | 571.4 | 572.2 | 575.6 |
| 57.5° | 641.6 | 638.2 | 635.7 | 628.2 | 627.4 | 626.5 | 617.4 | 611.5 | 611.5 | 609.0 | 611.5 |
| 60° | 662.5 | 663.3 | 658.3 | 653.3 | 648.3 | 649.1 | 639.1 | 637.4 | 634.1 | 634.9 | 637.4 |
| 62.5° | 673.3 | 680.0 | 679.2 | 674.2 | 681.7 | 665.8 | 672.5 | 661.6 | 657.5 | 656.6 | 654.9 |
| 65° | 690.9 | 679.2 | 675.8 | 675.8 | 679.2 | 685.0 | 673.3 | 659.1 | 659.1 | 664.1 | 665.0 |
| 67.5° | 654.1 | 653.3 | 657.5 | 666.6 | 660.8 | 660.8 | 649.9 | 643.3 | 639.9 | 645.8 | 642.4 |
| 70° | 595.6 | 600.6 | 601.5 | 617.4 | 629.1 | 616.5 | 618.2 | 602.3 | 598.1 | 607.3 | 600.6 |
| 72.5° | 543.8 | 522.1 | 538.0 | 558.0 | 565.6 | 573.9 | 560.5 | 548.0 | 543.8 | 548.9 | 550.5 |
| 75° | 459.5 | 444.4 | 466.1 | 483.7 | 483.7 | 492.9 | 477.0 | 473.7 | 472.8 | 471.2 | 472.8 |
| 77.5° | 360.9 | 351.7 | 365.9 | 381.8 | 395.1 | 391.8 | 387.6 | 379.3 | 380.9 | 385.1 | 381.8 |
| 80° | 263.1 | 248.9 | 258.1 | 274.0 | 289.0 | 290.7 | 292.4 | 280.7 | 279.0 | 285.7 | 284.9 |
| 82.5° | 156.2 | 148.7 | 156.2 | 169.6 | 183.0 | 186.3 | 186.3 | 182.1 | 178.8 | 184.6 | 187.1 |
| 85° | 53.5 | 59.3 | 55.1 | 59.3 | 69.3 | 71.8 | 74.3 | 71.8 | 74.3 | 78.5 | 73.5 |
| 87.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 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):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)