

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: P532029

Luminaire Tested: **GLAN-SA7B-760-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7B-760-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23178 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

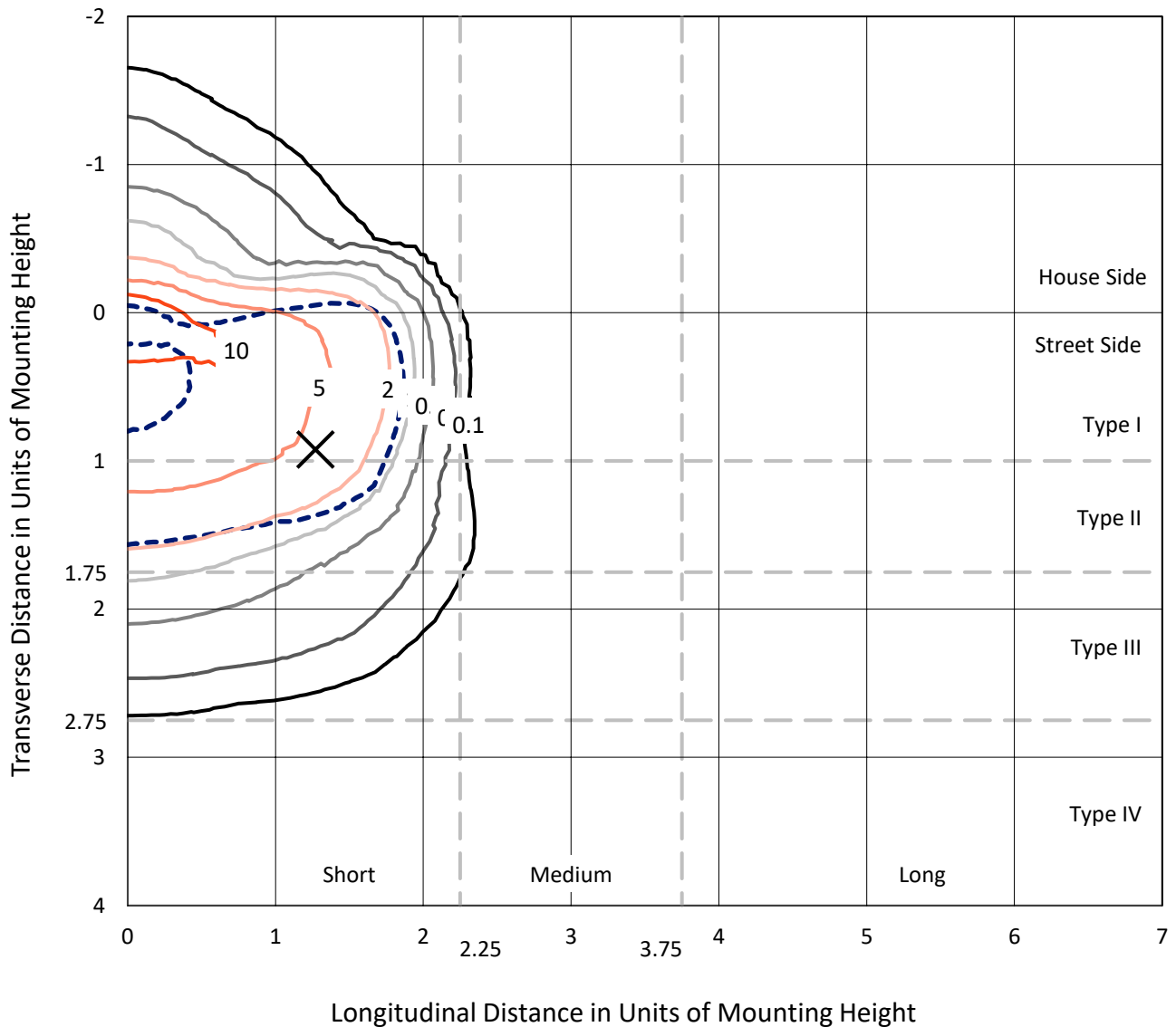
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

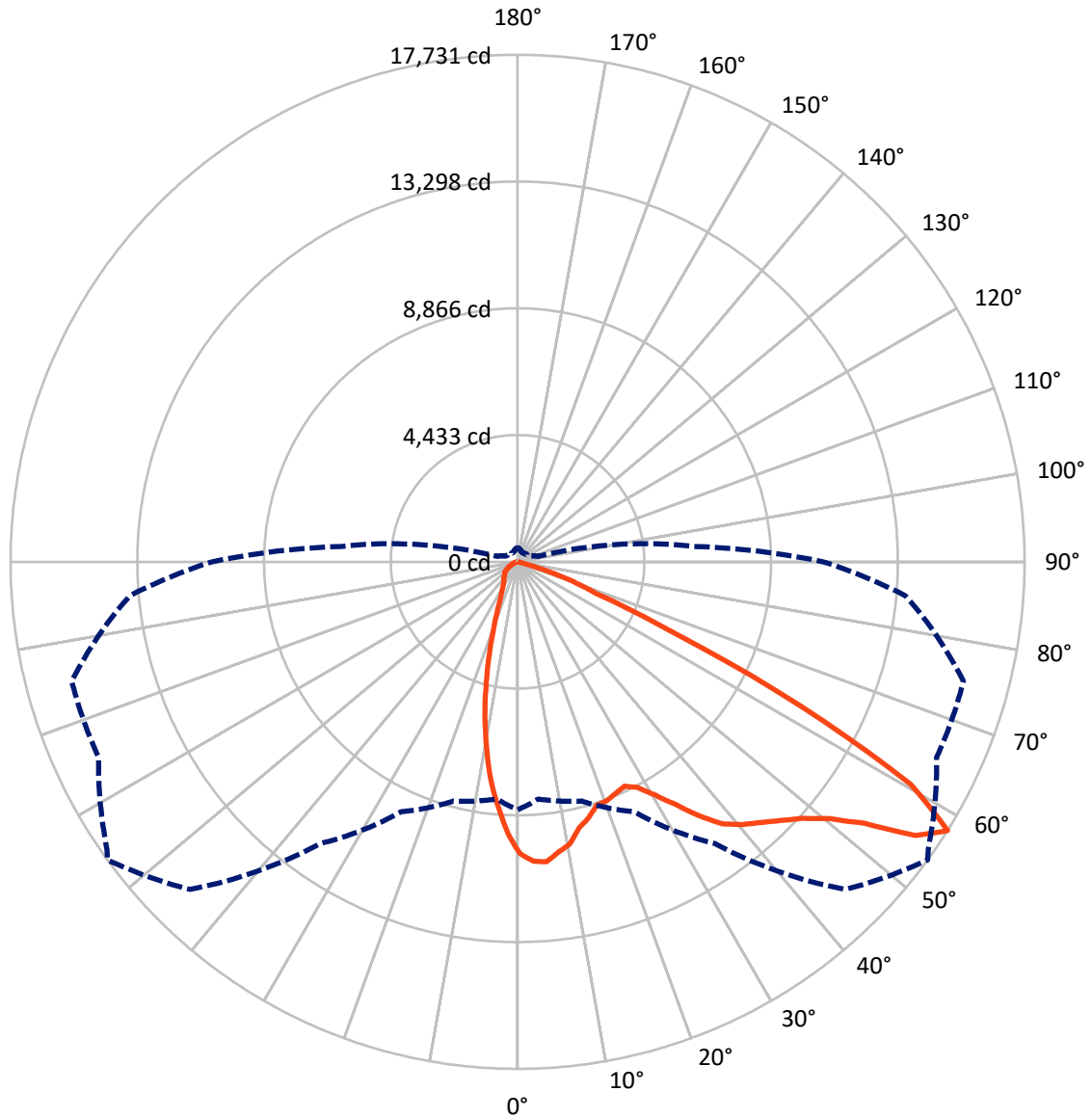
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3275.4 | 0.0 | 3275.4 |
| | % Fixture | 14.1 | 0.0 | 14.1 |
| Street Side | Lumens | 19902.6 | 0.0 | 19902.6 |
| | % Fixture | 85.9 | 0.0 | 85.9 |
| Total | Lumens | 23178.0 | 0.0 | 23178.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 854.4 | 3.7 |
| 10°-20° | 1824.2 | 7.9 |
| 20°-30° | 2417.4 | 10.4 |
| 30°-40° | 3513.1 | 15.2 |
| 40°-50° | 5209.5 | 22.5 |
| 50°-60° | 6514.2 | 28.1 |
| 60°-70° | 2569.6 | 11.1 |
| 70°-80° | 255.8 | 1.1 |
| 80°-90° | 19.9 | 0.1 |
| 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° | 23178.0 | 100.0 |
| 0°-180° | 23178.0 | 100.0 |

Coefficient of Utilization

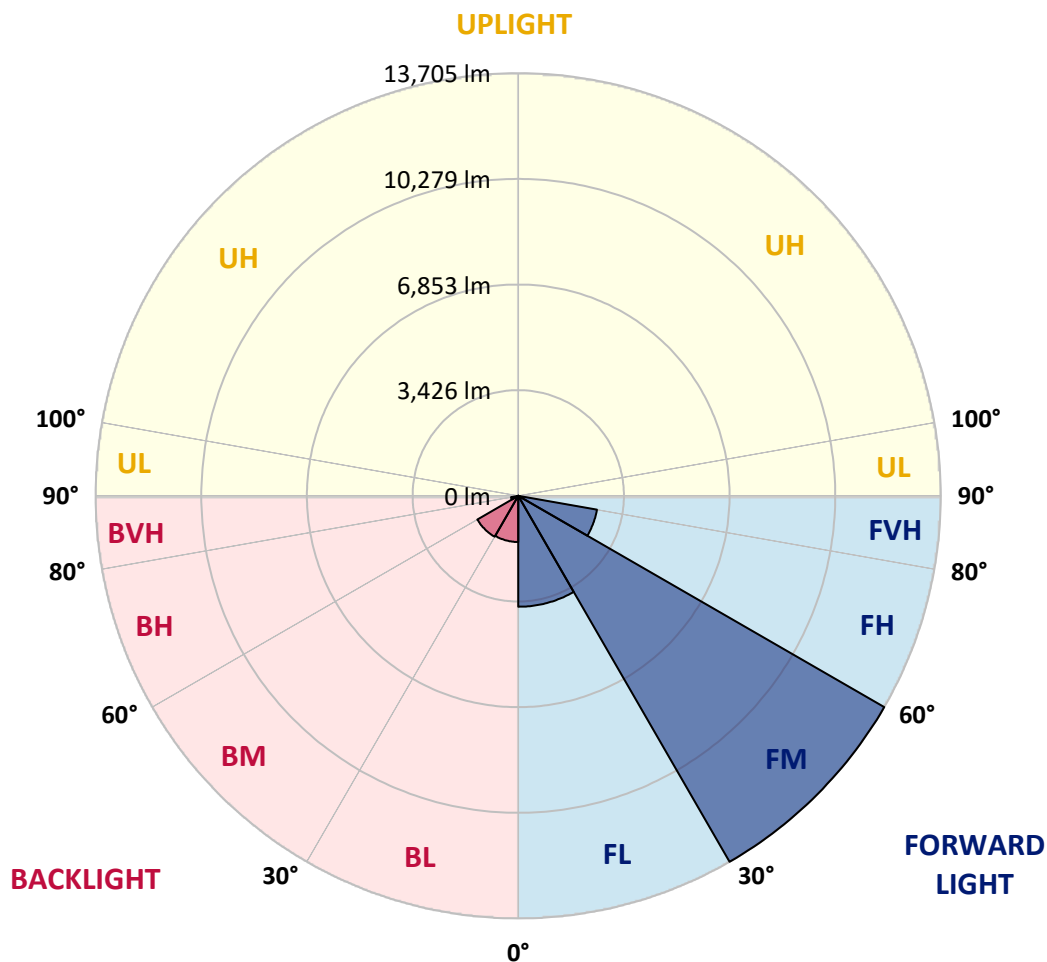


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 3597.9 | 15.5 | | | |
| FM (30°-60°) | 13705.1 | 59.1 | | | |
| FH (60°-80°) | 2590.5 | 11.2 | | | G2/5000 |
| FVH (80°-90°) | 9.0 | 0.0 | | | G0/10 |
| BL (0°-30°) | 1498.0 | 6.5 | B3/2500 | | |
| BM (30°-60°) | 1531.7 | 6.6 | B2/2500 | | |
| BH (60°-80°) | 234.9 | 1.0 | B1/500 | | G1/500 |
| BVH (80°-90°) | 10.9 | 0.0 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 54° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10210.2 | 10210.2 | 10210.2 | 10210.2 | 10210.2 | 10210.2 | 10210.2 | 10210.2 | 10210.2 | 10210.2 | 10210.2 |
| 2.5° | 10805.0 | 10692.9 | 10701.6 | 10662.8 | 10611.0 | 10649.8 | 10481.7 | 10520.5 | 10516.2 | 10287.8 | 10137.0 |
| 5° | 10533.5 | 10654.1 | 10529.2 | 10632.6 | 10533.5 | 10641.2 | 10537.8 | 10460.2 | 10335.2 | 10167.1 | 9887.0 |
| 7.5° | 10072.3 | 9955.9 | 9990.4 | 10119.7 | 10141.3 | 10382.6 | 10253.3 | 10352.4 | 10300.7 | 9968.9 | 9585.3 |
| 10° | 9145.7 | 9119.8 | 9292.2 | 9464.6 | 9675.8 | 9934.4 | 10033.5 | 9977.5 | 9938.7 | 9813.7 | 9300.8 |
| 12.5° | 8434.5 | 8507.8 | 8503.5 | 8787.9 | 9145.7 | 9292.2 | 9550.8 | 9542.2 | 9757.7 | 9524.9 | 9033.6 |
| 15° | 7757.9 | 7796.7 | 7977.7 | 8154.4 | 8550.9 | 8969.0 | 9287.9 | 9331.0 | 9589.6 | 9425.8 | 8826.7 |
| 17.5° | 7344.1 | 7288.1 | 7430.3 | 7641.5 | 8046.6 | 8594.0 | 8947.4 | 9050.9 | 9404.3 | 9369.8 | 8589.7 |
| 20° | 6934.7 | 6934.7 | 7051.0 | 7301.0 | 7671.7 | 8288.0 | 8917.2 | 8887.1 | 9404.3 | 9305.1 | 8335.4 |
| 22.5° | 6796.8 | 6865.7 | 6895.9 | 7085.5 | 7525.1 | 8055.3 | 8787.9 | 8844.0 | 9477.5 | 9275.0 | 8223.3 |
| 25° | 6986.4 | 6895.9 | 6904.5 | 7055.4 | 7469.1 | 7943.2 | 8693.1 | 8818.1 | 9611.1 | 9425.8 | 8132.8 |
| 27.5° | 7016.6 | 7107.1 | 7132.9 | 7236.4 | 7512.2 | 7977.7 | 8930.2 | 9184.5 | 9943.0 | 9779.2 | 8158.7 |
| 30° | 7279.5 | 7370.0 | 7365.7 | 7542.4 | 7732.0 | 8257.8 | 9460.3 | 9512.0 | 10628.3 | 10223.2 | 8318.2 |
| 32.5° | 7598.4 | 7693.2 | 7723.4 | 7930.3 | 8081.1 | 8770.7 | 10106.8 | 10240.4 | 11287.7 | 10921.4 | 8736.2 |
| 35° | 7994.9 | 7960.4 | 8098.4 | 8305.2 | 8628.5 | 9520.6 | 10895.5 | 11119.6 | 11998.8 | 11826.4 | 9167.2 |
| 37.5° | 8490.6 | 8447.5 | 8581.1 | 8917.2 | 9356.9 | 10408.5 | 11623.9 | 11770.4 | 12516.0 | 12666.9 | 9964.6 |
| 40° | 8839.7 | 8856.9 | 9262.0 | 9714.6 | 10180.1 | 11253.2 | 12085.0 | 12227.3 | 12878.1 | 13451.3 | 10567.9 |
| 42.5° | 9421.5 | 9529.3 | 10016.3 | 10567.9 | 11055.0 | 11886.8 | 12460.0 | 12597.9 | 13046.2 | 14080.5 | 11382.5 |
| 45° | 10266.3 | 10218.8 | 10757.6 | 11373.9 | 11912.6 | 12546.2 | 12903.9 | 12856.5 | 13145.3 | 14705.5 | 11895.4 |
| 47.5° | 11352.4 | 11361.0 | 11718.7 | 12244.5 | 12804.8 | 13119.4 | 13399.6 | 13231.5 | 13352.2 | 15364.9 | 12580.7 |
| 50° | 12093.7 | 12158.3 | 12447.1 | 12985.8 | 13266.0 | 13748.7 | 14106.4 | 14003.0 | 13964.2 | 15761.4 | 13011.7 |
| 52.5° | 12283.3 | 12477.2 | 12632.4 | 13304.7 | 13959.9 | 14722.7 | 15179.6 | 15399.4 | 14709.8 | 15895.0 | 13559.0 |
| 55° | 10852.4 | 11024.8 | 11572.2 | 12494.5 | 14222.8 | 16265.7 | 16894.9 | 16899.2 | 15683.8 | 16489.8 | 13942.6 |
| 57.5° | 8675.9 | 8326.8 | 8663.0 | 9641.3 | 12024.7 | 16201.0 | 17731.0 | 17528.5 | 16170.9 | 16140.7 | 13610.8 |
| 60° | 5999.4 | 5913.2 | 5934.8 | 6322.7 | 8322.5 | 12886.7 | 15800.2 | 16063.1 | 14890.8 | 13990.0 | 10774.8 |
| 62.5° | 4753.9 | 4680.6 | 4585.8 | 4542.7 | 5167.6 | 8029.4 | 11145.5 | 11516.1 | 10412.8 | 9072.4 | 6387.3 |
| 65° | 3723.8 | 3680.7 | 3693.6 | 3866.0 | 3861.7 | 4555.6 | 6094.2 | 5943.4 | 4758.2 | 3516.9 | 2008.4 |
| 67.5° | 2512.7 | 2577.3 | 2629.1 | 3150.6 | 3417.8 | 3172.1 | 2943.7 | 2857.5 | 1547.3 | 650.8 | 443.9 |
| 70° | 1413.7 | 1422.3 | 1478.3 | 1969.6 | 2594.6 | 2461.0 | 2030.0 | 2030.0 | 771.5 | 237.0 | 254.3 |
| 72.5° | 771.5 | 745.6 | 693.9 | 849.1 | 1155.1 | 1172.3 | 905.1 | 788.7 | 228.4 | 155.2 | 142.2 |
| 75° | 375.0 | 370.7 | 318.9 | 262.9 | 250.0 | 206.9 | 159.5 | 146.5 | 103.4 | 99.1 | 86.2 |
| 77.5° | 77.6 | 73.3 | 38.8 | 38.8 | 43.1 | 47.4 | 60.3 | 60.3 | 73.3 | 73.3 | 60.3 |
| 80° | 0.0 | 0.0 | 4.3 | 17.2 | 30.2 | 43.1 | 51.7 | 51.7 | 60.3 | 60.3 | 47.4 |
| 82.5° | 0.0 | 0.0 | 4.3 | 12.9 | 25.9 | 38.8 | 47.4 | 51.7 | 60.3 | 64.6 | 51.7 |
| 85° | 0.0 | 0.0 | 0.0 | 8.6 | 21.5 | 30.2 | 25.9 | 25.9 | 21.5 | 17.2 | 8.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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° | 10210.2 | 10210.2 | 10210.2 | 10210.2 | 10210.2 | 10210.2 | 10210.2 | 10210.2 | 10210.2 | 10210.2 | 10210.2 |
| 2.5° | 10059.4 | 10050.8 | 9852.5 | 9740.4 | 9537.9 | 9361.2 | 9218.9 | 9115.5 | 9115.5 | 9050.9 | 8990.5 |
| 5° | 9774.9 | 9701.6 | 9279.3 | 9007.8 | 8624.2 | 8339.7 | 8145.8 | 7994.9 | 7757.9 | 7822.5 | 7568.2 |
| 7.5° | 9421.5 | 9236.2 | 8675.9 | 8262.1 | 7732.0 | 7326.9 | 6913.1 | 6546.8 | 6193.4 | 6033.9 | 6120.1 |
| 10° | 9042.2 | 8719.0 | 7964.7 | 7309.6 | 6650.2 | 5908.9 | 5426.2 | 4840.0 | 4478.0 | 4456.5 | 4361.6 |
| 12.5° | 8641.4 | 8275.1 | 7357.0 | 6452.0 | 5585.7 | 4693.5 | 3956.5 | 3409.2 | 3163.5 | 2892.0 | 2943.7 |
| 15° | 8339.7 | 7796.7 | 6680.4 | 5590.0 | 4439.2 | 3538.5 | 2797.1 | 2374.8 | 2142.0 | 2077.4 | 2055.8 |
| 17.5° | 8012.2 | 7430.3 | 5990.8 | 4672.0 | 3482.4 | 2547.2 | 2012.7 | 1810.2 | 1719.7 | 1719.7 | 1706.7 |
| 20° | 7671.7 | 7016.6 | 5305.5 | 3818.6 | 2611.8 | 1900.7 | 1611.9 | 1547.3 | 1543.0 | 1538.6 | 1538.6 |
| 22.5° | 7447.6 | 6542.5 | 4684.9 | 3034.2 | 1969.6 | 1521.4 | 1400.7 | 1374.9 | 1392.1 | 1443.8 | 1443.8 |
| 25° | 7210.5 | 6085.6 | 3999.6 | 2340.3 | 1525.7 | 1305.9 | 1236.9 | 1254.2 | 1297.3 | 1344.7 | 1327.5 |
| 27.5° | 6969.2 | 5788.2 | 3353.1 | 1836.0 | 1249.9 | 1142.1 | 1116.3 | 1155.1 | 1202.5 | 1245.6 | 1232.6 |
| 30° | 6913.1 | 5469.3 | 2741.1 | 1392.1 | 1073.2 | 995.6 | 1012.8 | 1047.3 | 1094.7 | 1112.0 | 1129.2 |
| 32.5° | 6999.3 | 5219.3 | 2245.5 | 1142.1 | 935.3 | 913.7 | 913.7 | 930.9 | 961.1 | 999.9 | 987.0 |
| 35° | 7245.0 | 5077.1 | 1775.7 | 991.3 | 857.7 | 836.1 | 831.8 | 849.1 | 866.3 | 879.2 | 866.3 |
| 37.5° | 7620.0 | 4965.0 | 1452.4 | 879.2 | 806.0 | 771.5 | 762.9 | 758.5 | 775.8 | 780.1 | 788.7 |
| 40° | 8098.4 | 5025.4 | 1232.6 | 810.3 | 754.2 | 715.4 | 689.6 | 689.6 | 689.6 | 702.5 | 706.8 |
| 42.5° | 8615.5 | 5107.3 | 1064.6 | 771.5 | 706.8 | 659.4 | 633.6 | 624.9 | 633.6 | 650.8 | 646.5 |
| 45° | 9158.6 | 5266.7 | 956.8 | 711.1 | 663.7 | 603.4 | 568.9 | 560.3 | 581.8 | 616.3 | 612.0 |
| 47.5° | 9667.2 | 5495.2 | 874.9 | 672.3 | 620.6 | 564.6 | 521.5 | 512.9 | 551.7 | 599.1 | 603.4 |
| 50° | 10175.7 | 5891.7 | 844.7 | 642.2 | 590.5 | 525.8 | 487.0 | 478.4 | 521.5 | 581.8 | 594.8 |
| 52.5° | 10761.9 | 6318.4 | 823.2 | 603.4 | 556.0 | 495.6 | 452.5 | 443.9 | 491.3 | 568.9 | 573.2 |
| 55° | 11145.5 | 6680.4 | 806.0 | 534.4 | 491.3 | 448.2 | 413.8 | 409.4 | 461.2 | 530.1 | 547.4 |
| 57.5° | 10697.2 | 6176.1 | 745.6 | 465.5 | 418.1 | 396.5 | 366.3 | 366.3 | 409.4 | 474.1 | 487.0 |
| 60° | 8111.3 | 4064.3 | 530.1 | 375.0 | 353.4 | 340.5 | 327.6 | 327.6 | 362.0 | 409.4 | 413.8 |
| 62.5° | 4749.5 | 2189.4 | 340.5 | 301.7 | 301.7 | 288.8 | 267.2 | 267.2 | 301.7 | 327.6 | 331.9 |
| 65° | 1409.3 | 702.5 | 275.8 | 258.6 | 254.3 | 232.7 | 211.2 | 206.9 | 232.7 | 245.7 | 241.4 |
| 67.5° | 405.1 | 323.2 | 228.4 | 215.5 | 211.2 | 176.7 | 163.8 | 159.5 | 163.8 | 155.2 | 150.8 |
| 70° | 241.4 | 219.8 | 176.7 | 181.0 | 159.5 | 129.3 | 116.4 | 112.1 | 103.4 | 90.5 | 81.9 |
| 72.5° | 133.6 | 133.6 | 129.3 | 137.9 | 112.1 | 86.2 | 73.3 | 60.3 | 47.4 | 38.8 | 34.5 |
| 75° | 81.9 | 86.2 | 90.5 | 94.8 | 73.3 | 56.0 | 47.4 | 30.2 | 17.2 | 8.6 | 8.6 |
| 77.5° | 56.0 | 60.3 | 64.6 | 69.0 | 60.3 | 51.7 | 38.8 | 21.5 | 4.3 | 0.0 | 0.0 |
| 80° | 43.1 | 47.4 | 56.0 | 60.3 | 64.6 | 69.0 | 51.7 | 21.5 | 4.3 | 0.0 | 0.0 |
| 82.5° | 47.4 | 51.7 | 64.6 | 60.3 | 60.3 | 60.3 | 47.4 | 21.5 | 4.3 | 0.0 | 0.0 |
| 85° | 8.6 | 12.9 | 21.5 | 21.5 | 30.2 | 38.8 | 30.2 | 8.6 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)