

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: P455245

Luminaire Tested: **GLAN-SA6B-830-U-SL3**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-830-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26576 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

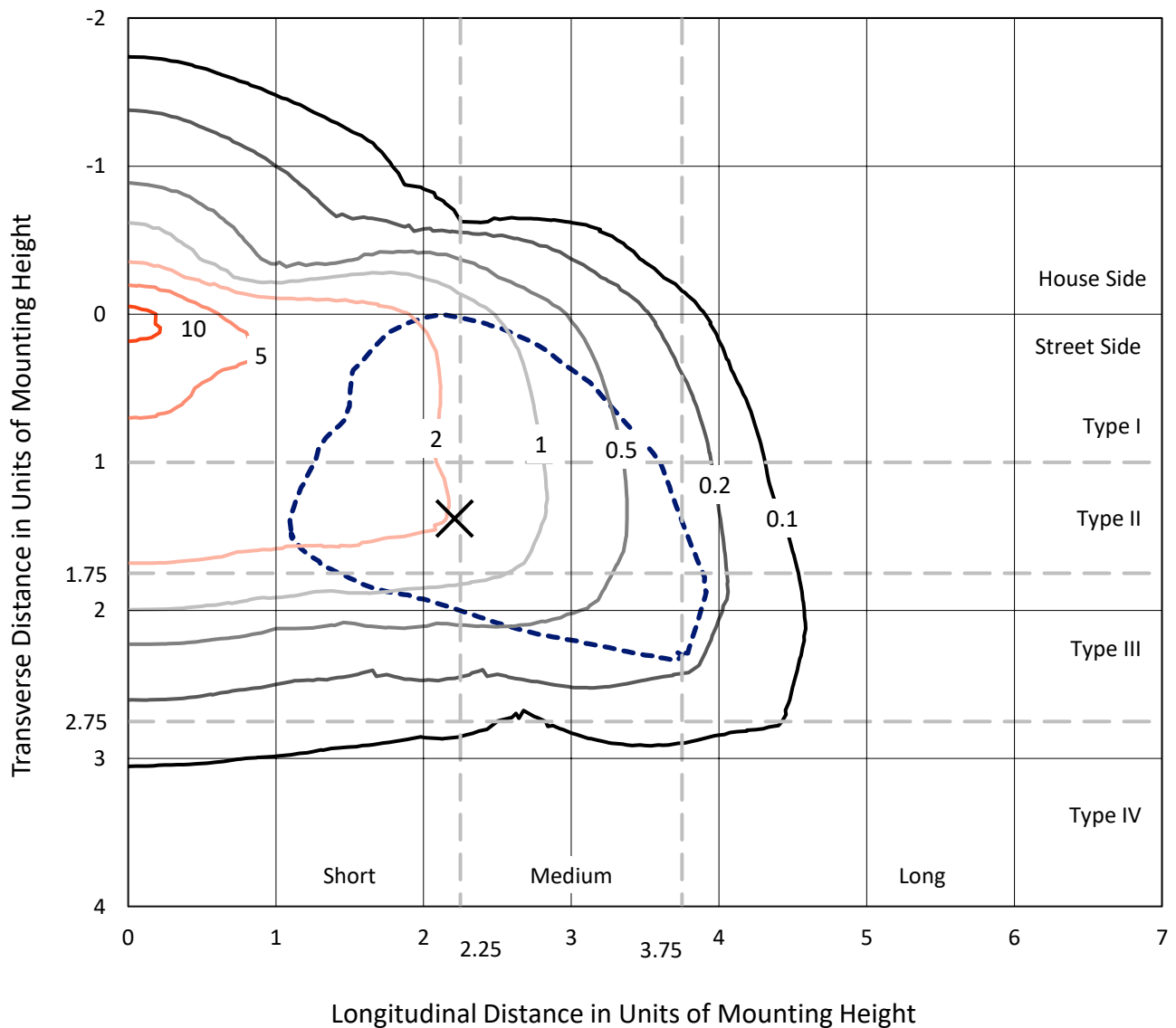
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

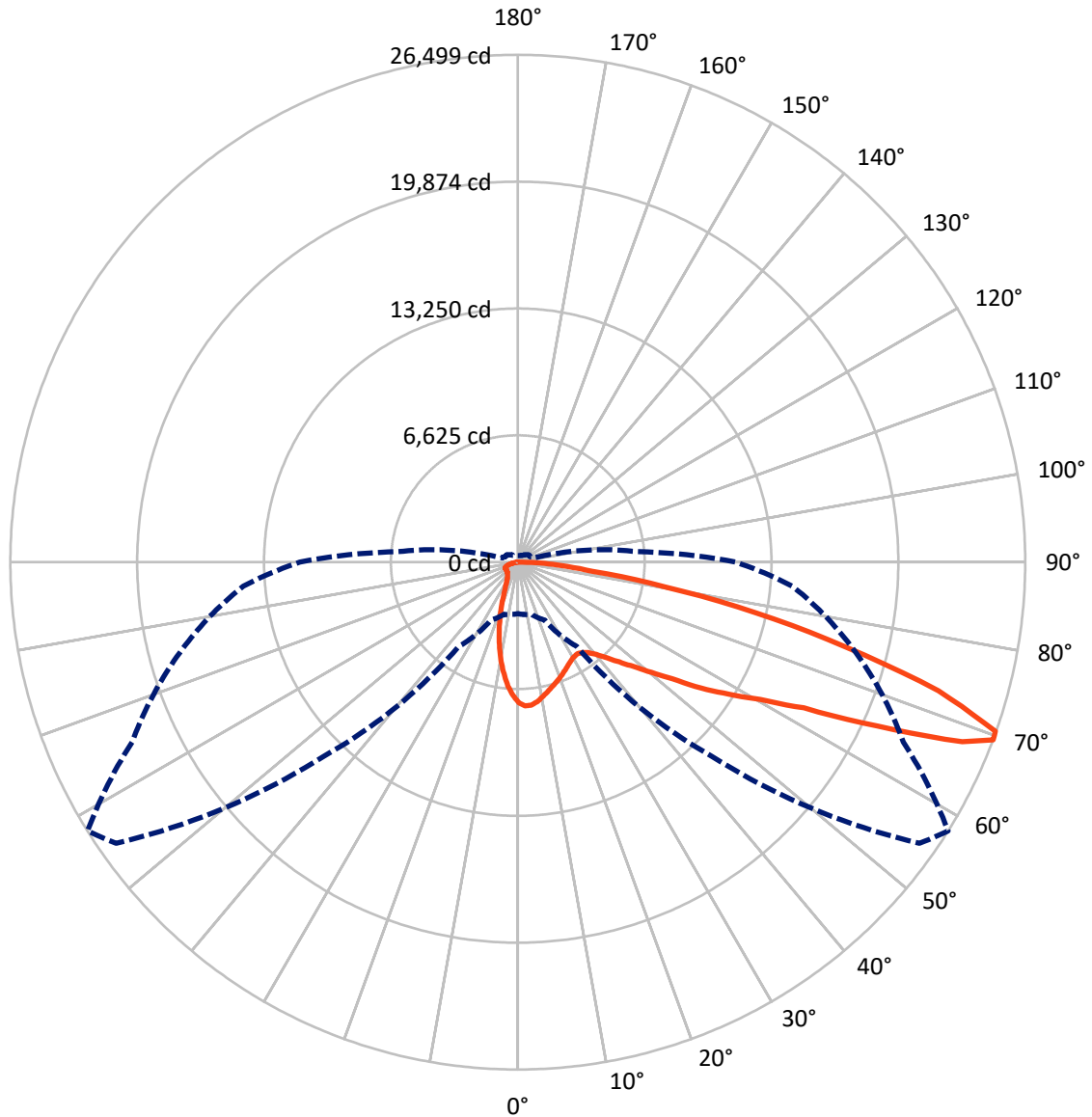
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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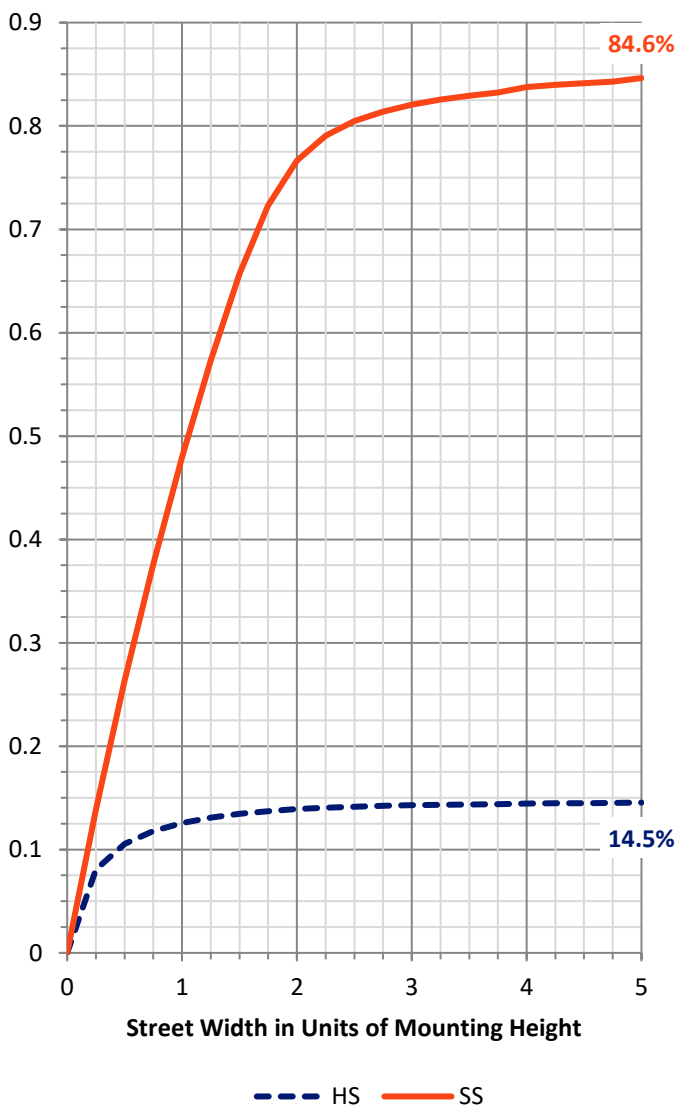
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3894.7 | 0.0 | 3894.7 |
| | % Fixture | 14.7 | 0.0 | 14.7 |
| Street Side | Lumens | 22681.3 | 0.0 | 22681.3 |
| | % Fixture | 85.3 | 0.0 | 85.3 |
| Total | Lumens | 26576.0 | 0.0 | 26576.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 623.7 | 2.3 |
| 10°-20° | 1369.5 | 5.2 |
| 20°-30° | 1769.4 | 6.7 |
| 30°-40° | 2298.1 | 8.6 |
| 40°-50° | 3341.2 | 12.6 |
| 50°-60° | 5331.4 | 20.1 |
| 60°-70° | 7122.1 | 26.8 |
| 70°-80° | 4105.6 | 15.4 |
| 80°-90° | 614.9 | 2.3 |
| 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° | 26576.0 | 100.0 |
| 0°-180° | 26576.0 | 100.0 |



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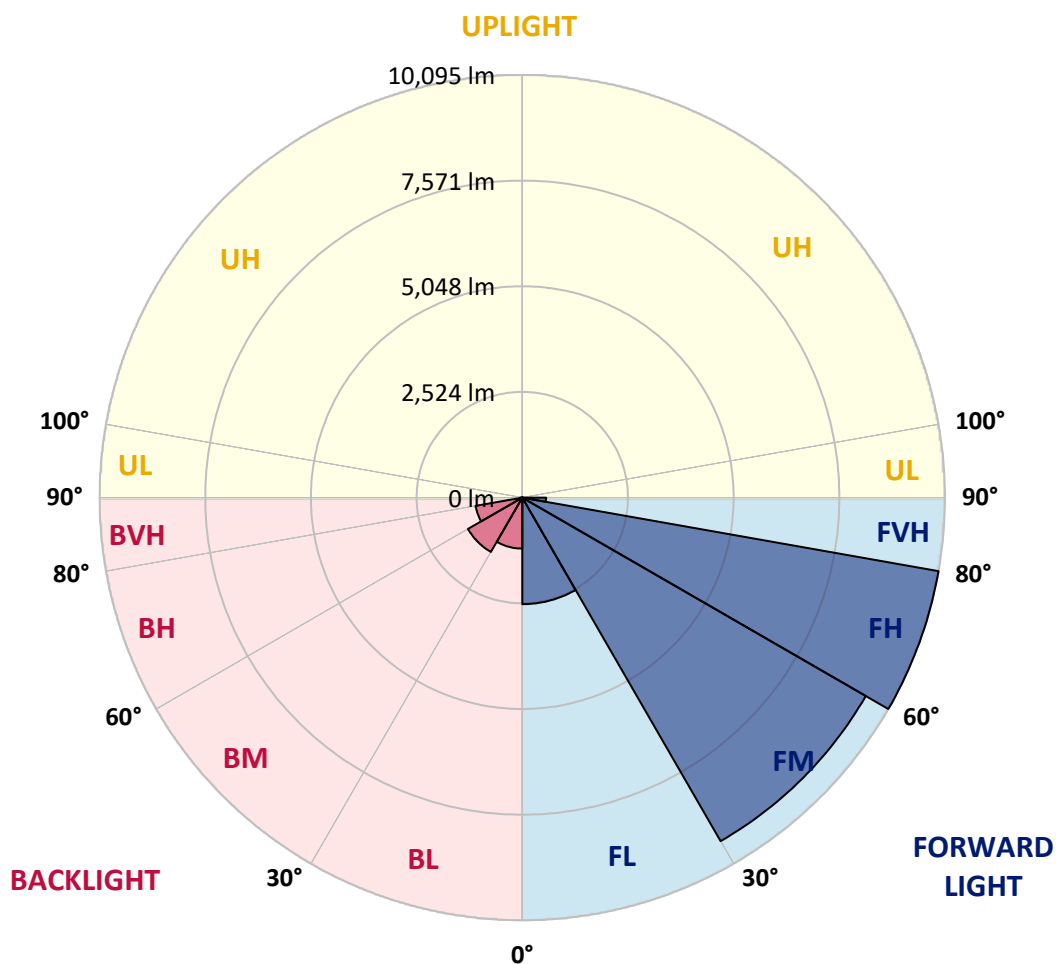
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|------|----------|
| | | | | B | U | G |
| FL | (0°-30°) | 2545.3 | 9.6 | | | |
| FM | (30°-60°) | 9473.0 | 35.6 | | | |
| FH | (60°-80°) | 10095.2 | 38.0 | | | G4/12000 |
| FVH | (80°-90°) | 567.8 | 2.1 | | | G4/750 |
| BL | (0°-30°) | 1217.3 | 4.6 | B3/2500 | | |
| BM | (30°-60°) | 1497.8 | 5.6 | B2/2500 | | |
| BH | (60°-80°) | 1132.5 | 4.3 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 47.1 | 0.2 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 58° | 65° | 75° | 85° |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7344.1 | 7344.1 | 7344.1 | 7344.1 | 7344.1 | 7344.1 | 7344.1 | 7344.1 | 7344.1 | 7344.1 | 7344.1 |
| 2.5° | 7616.8 | 7637.5 | 7631.6 | 7624.2 | 7612.3 | 7579.7 | 7526.4 | 7517.5 | 7483.4 | 7410.7 | 7320.3 |
| 5° | 7499.7 | 7517.5 | 7518.9 | 7529.3 | 7544.1 | 7538.2 | 7499.7 | 7495.2 | 7444.8 | 7347.0 | 7195.8 |
| 7.5° | 7098.0 | 7121.7 | 7173.6 | 7231.4 | 7283.3 | 7332.2 | 7344.1 | 7351.5 | 7320.3 | 7207.7 | 7006.1 |
| 10° | 6646.0 | 6669.7 | 6693.4 | 6779.4 | 6906.8 | 7028.4 | 7129.1 | 7142.5 | 7149.9 | 7046.1 | 6800.1 |
| 12.5° | 6145.0 | 6193.9 | 6244.3 | 6371.8 | 6542.2 | 6733.4 | 6911.3 | 6939.4 | 6989.8 | 6911.3 | 6622.2 |
| 15° | 5719.6 | 5770.0 | 5842.6 | 5956.8 | 6162.8 | 6438.5 | 6688.9 | 6734.9 | 6834.2 | 6794.2 | 6456.2 |
| 17.5° | 5424.7 | 5442.5 | 5492.8 | 5623.3 | 5845.6 | 6136.1 | 6471.1 | 6563.0 | 6721.5 | 6711.2 | 6314.0 |
| 20° | 5192.0 | 5214.2 | 5245.3 | 5325.4 | 5556.6 | 5863.4 | 6268.0 | 6386.6 | 6601.5 | 6637.1 | 6173.2 |
| 22.5° | 5094.1 | 5110.5 | 5106.0 | 5149.0 | 5306.1 | 5614.4 | 6062.0 | 6202.8 | 6494.8 | 6586.7 | 6042.7 |
| 25° | 5100.1 | 5114.9 | 5092.7 | 5082.3 | 5175.7 | 5395.0 | 5847.1 | 6026.4 | 6408.8 | 6552.6 | 5924.2 |
| 27.5° | 5199.4 | 5209.8 | 5168.3 | 5126.8 | 5134.2 | 5258.7 | 5669.2 | 5867.8 | 6336.2 | 6567.4 | 5824.8 |
| 30° | 5332.8 | 5352.0 | 5325.4 | 5275.0 | 5220.1 | 5226.1 | 5555.1 | 5750.7 | 6302.1 | 6619.3 | 5777.4 |
| 32.5° | 5504.7 | 5522.5 | 5510.6 | 5470.6 | 5399.5 | 5320.9 | 5526.9 | 5707.8 | 6305.1 | 6724.5 | 5767.0 |
| 35° | 5685.5 | 5721.1 | 5740.4 | 5737.4 | 5679.6 | 5543.2 | 5638.1 | 5787.8 | 6376.2 | 6900.9 | 5827.8 |
| 37.5° | 5890.1 | 5919.7 | 6002.7 | 6056.1 | 6002.7 | 5844.1 | 5888.6 | 5992.3 | 6533.3 | 7155.8 | 5961.2 |
| 40° | 6088.7 | 6133.1 | 6254.7 | 6420.7 | 6399.9 | 6260.6 | 6271.0 | 6339.2 | 6810.5 | 7535.2 | 6222.1 |
| 42.5° | 6296.2 | 6349.5 | 6561.5 | 6807.5 | 6856.4 | 6748.2 | 6776.4 | 6837.2 | 7204.7 | 8061.4 | 6669.7 |
| 45° | 6563.0 | 6626.7 | 6887.5 | 7194.4 | 7387.0 | 7320.3 | 7400.4 | 7430.0 | 7732.4 | 8746.2 | 7259.6 |
| 47.5° | 6906.8 | 6980.9 | 7302.6 | 7684.9 | 7957.7 | 8018.4 | 8157.8 | 8140.0 | 8386.0 | 9556.9 | 8024.4 |
| 50° | 7486.3 | 7527.8 | 7831.7 | 8221.5 | 8596.5 | 8870.7 | 9021.8 | 9050.0 | 9196.7 | 10345.4 | 8879.6 |
| 52.5° | 8175.5 | 8212.6 | 8431.9 | 8772.8 | 9242.7 | 9823.7 | 10197.2 | 10105.3 | 10140.9 | 11305.8 | 9880.0 |
| 55° | 8950.7 | 9013.0 | 9152.3 | 9379.0 | 9988.2 | 10843.4 | 11593.4 | 11615.6 | 11221.4 | 12224.8 | 10839.0 |
| 57.5° | 9551.0 | 9656.2 | 9894.8 | 10217.9 | 10990.1 | 11977.2 | 12985.1 | 12999.9 | 12496.0 | 13206.0 | 11897.2 |
| 60° | 9248.6 | 9373.1 | 9918.5 | 10705.6 | 12304.8 | 13955.9 | 14648.1 | 14563.6 | 13736.6 | 14323.5 | 13188.2 |
| 62.5° | 7944.3 | 7966.6 | 8759.5 | 9989.7 | 12709.4 | 16603.0 | 17123.3 | 16766.1 | 15392.1 | 15740.4 | 14499.9 |
| 65° | 5141.6 | 5286.8 | 5915.3 | 7639.0 | 11379.9 | 18071.8 | 21460.0 | 20634.5 | 17713.2 | 17348.6 | 15598.1 |
| 67.5° | 3245.9 | 3208.9 | 3469.7 | 4362.0 | 7827.2 | 16777.9 | 25161.0 | 25030.5 | 20748.6 | 18363.8 | 15335.8 |
| 69° | 2691.6 | 2733.1 | 2822.0 | 3343.7 | 5386.1 | 14325.0 | 25598.2 | 26499.3 | 22220.4 | 18283.8 | 14382.8 |
| 70° | 2441.1 | 2460.4 | 2553.7 | 2964.3 | 4155.9 | 11998.0 | 24880.8 | 26459.3 | 22798.4 | 17948.8 | 13692.1 |
| 72.5° | 1937.2 | 1935.7 | 2095.8 | 2466.3 | 3106.6 | 6849.0 | 20429.9 | 22971.8 | 22152.2 | 16389.6 | 11313.2 |
| 75° | 1471.8 | 1495.5 | 1671.9 | 2086.9 | 2862.0 | 3742.4 | 14256.8 | 17690.9 | 17692.4 | 12945.1 | 7059.5 |
| 77.5° | 1061.2 | 1076.0 | 1282.1 | 1751.9 | 2696.0 | 3034.0 | 9496.1 | 12688.7 | 11928.3 | 5931.6 | 2218.8 |
| 80° | 695.1 | 704.0 | 861.1 | 1387.3 | 2430.7 | 2862.0 | 5630.7 | 7766.5 | 5626.2 | 1574.0 | 733.7 |
| 82.5° | 380.9 | 425.4 | 526.2 | 898.2 | 1950.5 | 2644.2 | 3422.3 | 3930.7 | 2110.6 | 701.1 | 382.4 |
| 85° | 191.2 | 203.1 | 296.4 | 524.7 | 1274.6 | 2187.7 | 2383.3 | 2254.3 | 1089.4 | 348.3 | 198.6 |
| 87.5° | 56.3 | 71.1 | 123.0 | 203.1 | 517.3 | 1139.8 | 1326.5 | 1190.2 | 419.4 | 126.0 | 41.5 |
| 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° | 7344.1 | 7344.1 | 7344.1 | 7344.1 | 7344.1 | 7344.1 | 7344.1 | 7344.1 | 7344.1 | 7344.1 | 7344.1 |
| 2.5° | 7283.3 | 7256.6 | 7138.0 | 7031.3 | 6933.5 | 6829.7 | 6742.3 | 6665.2 | 6672.6 | 6674.1 | 6595.6 |
| 5° | 7117.3 | 7056.5 | 6831.2 | 6620.8 | 6442.9 | 6217.6 | 6024.9 | 5900.4 | 5838.2 | 5755.2 | 5784.8 |
| 7.5° | 6892.0 | 6774.9 | 6462.2 | 6112.4 | 5784.8 | 5492.8 | 5175.7 | 4957.8 | 4818.5 | 4683.6 | 4701.4 |
| 10° | 6659.3 | 6471.1 | 6016.0 | 5553.6 | 5129.7 | 4662.8 | 4258.2 | 3911.4 | 3653.5 | 3557.2 | 3493.4 |
| 12.5° | 6420.7 | 6173.2 | 5595.1 | 4980.0 | 4394.6 | 3835.8 | 3262.2 | 2890.2 | 2605.6 | 2454.4 | 2473.7 |
| 15° | 6202.8 | 5901.9 | 5156.4 | 4406.4 | 3646.1 | 2980.6 | 2408.5 | 2054.3 | 1855.7 | 1814.2 | 1837.9 |
| 17.5° | 6001.2 | 5607.0 | 4745.8 | 3849.1 | 2961.3 | 2235.1 | 1809.7 | 1609.6 | 1529.6 | 1507.3 | 1505.9 |
| 20° | 5793.7 | 5356.5 | 4284.9 | 3253.3 | 2307.7 | 1732.6 | 1485.1 | 1391.7 | 1376.9 | 1385.8 | 1387.3 |
| 22.5° | 5583.3 | 5046.7 | 3810.6 | 2661.9 | 1837.9 | 1416.9 | 1298.4 | 1273.2 | 1285.0 | 1305.8 | 1308.7 |
| 25° | 5389.1 | 4774.0 | 3354.1 | 2143.2 | 1467.3 | 1245.0 | 1187.2 | 1187.2 | 1213.9 | 1245.0 | 1246.5 |
| 27.5° | 5229.0 | 4510.2 | 2899.1 | 1701.5 | 1228.7 | 1120.5 | 1101.2 | 1111.6 | 1148.7 | 1172.4 | 1173.9 |
| 30° | 5097.1 | 4264.1 | 2469.3 | 1363.6 | 1080.5 | 1021.2 | 1016.8 | 1034.5 | 1061.2 | 1083.5 | 1084.9 |
| 32.5° | 4997.8 | 4047.8 | 2067.6 | 1145.7 | 978.2 | 945.6 | 944.1 | 957.5 | 972.3 | 978.2 | 984.1 |
| 35° | 4959.3 | 3868.4 | 1700.0 | 1007.9 | 910.0 | 889.3 | 889.3 | 887.8 | 893.7 | 896.7 | 899.7 |
| 37.5° | 4990.4 | 3730.6 | 1415.5 | 918.9 | 859.6 | 844.8 | 835.9 | 827.0 | 824.1 | 824.1 | 825.6 |
| 40° | 5122.3 | 3657.9 | 1203.5 | 861.1 | 824.1 | 801.8 | 785.5 | 775.2 | 764.8 | 767.8 | 770.7 |
| 42.5° | 5402.4 | 3671.3 | 1059.7 | 822.6 | 792.9 | 761.8 | 738.1 | 726.3 | 718.8 | 727.7 | 726.3 |
| 45° | 5848.6 | 3804.7 | 967.8 | 795.9 | 761.8 | 721.8 | 699.6 | 687.7 | 687.7 | 701.1 | 705.5 |
| 47.5° | 6472.5 | 4059.6 | 918.9 | 775.2 | 738.1 | 690.7 | 668.4 | 659.6 | 662.5 | 684.8 | 686.2 |
| 50° | 7234.4 | 4502.8 | 910.0 | 764.8 | 726.3 | 668.4 | 643.3 | 634.4 | 641.8 | 665.5 | 668.4 |
| 52.5° | 8074.8 | 5073.4 | 953.0 | 766.3 | 715.9 | 655.1 | 622.5 | 609.2 | 616.6 | 635.8 | 641.8 |
| 55° | 9070.8 | 5787.8 | 1064.2 | 772.2 | 701.1 | 647.7 | 607.7 | 578.0 | 586.9 | 600.3 | 601.8 |
| 57.5° | 10087.5 | 6688.9 | 1259.8 | 773.7 | 689.2 | 634.4 | 582.5 | 543.9 | 543.9 | 552.8 | 557.3 |
| 60° | 11329.6 | 7670.1 | 1517.7 | 775.2 | 690.7 | 615.1 | 548.4 | 505.4 | 499.5 | 503.9 | 505.4 |
| 62.5° | 12562.7 | 8491.2 | 1560.7 | 770.7 | 705.5 | 595.8 | 511.3 | 466.9 | 456.5 | 455.0 | 452.1 |
| 65° | 13106.6 | 8338.6 | 1279.1 | 750.0 | 721.8 | 584.0 | 481.7 | 429.8 | 412.0 | 406.1 | 406.1 |
| 67.5° | 12220.3 | 7053.5 | 961.9 | 721.8 | 711.4 | 572.1 | 453.5 | 398.7 | 377.9 | 366.1 | 366.1 |
| 69° | 11387.4 | 6273.9 | 864.1 | 702.5 | 684.8 | 552.8 | 435.8 | 382.4 | 357.2 | 343.9 | 339.4 |
| 70° | 10744.1 | 5737.4 | 822.6 | 686.2 | 659.6 | 530.6 | 422.4 | 370.5 | 342.4 | 327.6 | 324.6 |
| 72.5° | 8574.2 | 4501.3 | 720.3 | 624.0 | 561.7 | 446.1 | 375.0 | 333.5 | 306.8 | 290.5 | 286.1 |
| 75° | 4941.5 | 2439.6 | 597.3 | 542.5 | 452.1 | 346.8 | 317.2 | 290.5 | 269.8 | 254.9 | 250.5 |
| 77.5° | 1520.7 | 942.6 | 432.8 | 428.3 | 332.0 | 268.3 | 253.4 | 243.1 | 228.3 | 211.9 | 209.0 |
| 80° | 640.3 | 480.2 | 293.5 | 289.0 | 220.8 | 186.8 | 182.3 | 180.8 | 174.9 | 161.6 | 157.1 |
| 82.5° | 351.3 | 271.2 | 204.5 | 177.9 | 133.4 | 108.2 | 112.6 | 114.1 | 109.7 | 96.3 | 87.4 |
| 85° | 171.9 | 148.2 | 99.3 | 80.0 | 60.8 | 38.5 | 37.1 | 44.5 | 41.5 | 29.6 | 32.6 |
| 87.5° | 34.1 | 41.5 | 26.7 | 11.9 | 5.9 | 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)