

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: P323480

Luminaire Tested: **GAN-SA6B-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26593 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

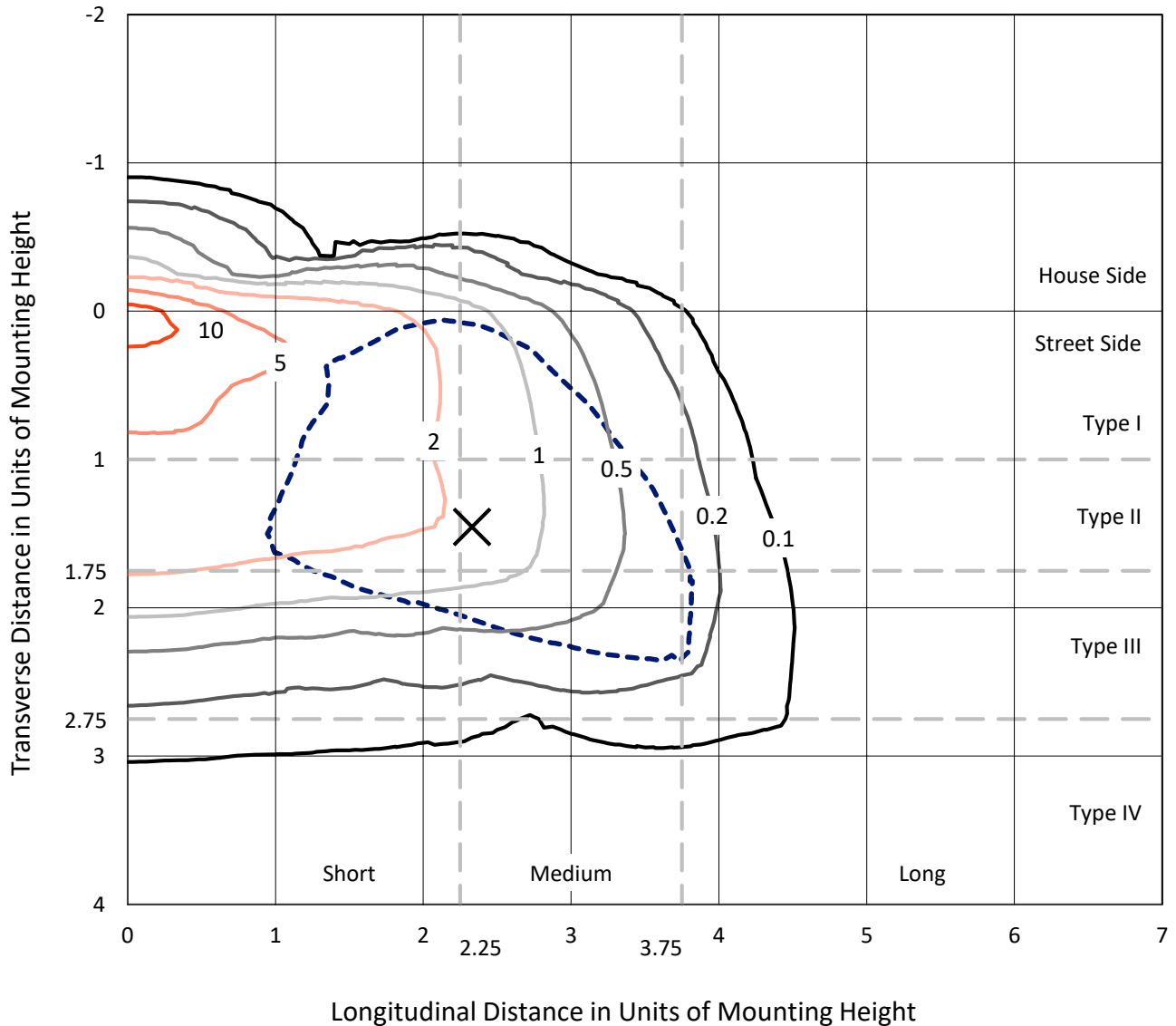
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

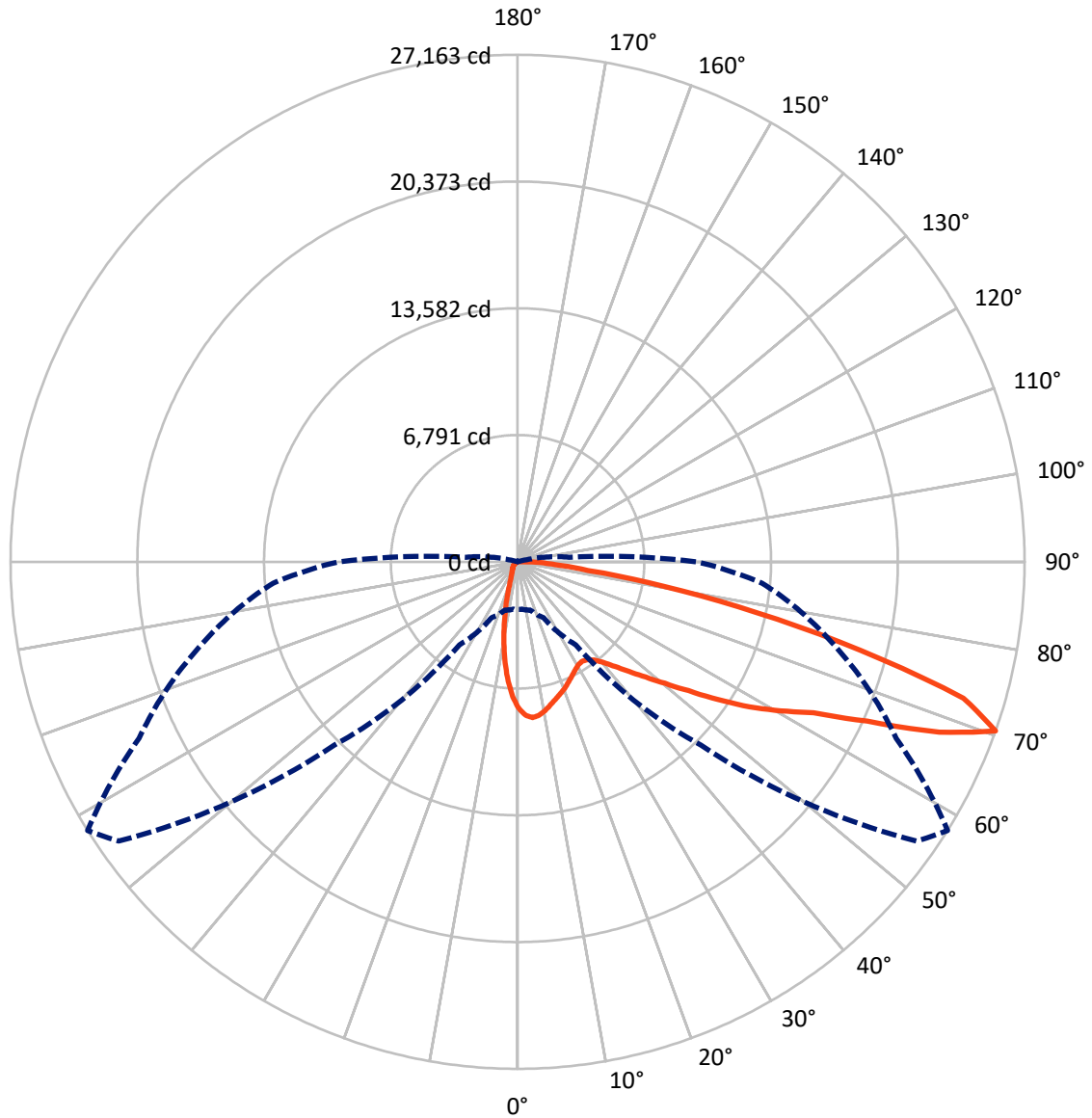
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2275.8 | 0.0 | 2275.8 |
| | % Fixture | 8.6 | 0.0 | 8.6 |
| Street Side | Lumens | 24317.2 | 0.0 | 24317.2 |
| | % Fixture | 91.4 | 0.0 | 91.4 |
| Total | Lumens | 26593.0 | 0.0 | 26593.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 642.4 | 2.4 |
| 10°-20° | 1348.2 | 5.1 |
| 20°-30° | 1772.4 | 6.7 |
| 30°-40° | 2347.4 | 8.8 |
| 40°-50° | 3508.6 | 13.2 |
| 50°-60° | 5620.6 | 21.1 |
| 60°-70° | 7084.7 | 26.6 |
| 70°-80° | 3821.5 | 14.4 |
| 80°-90° | 447.3 | 1.7 |
| 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° | 26593.0 | 100.0 |
| 0°-180° | 26593.0 | 100.0 |

Coefficient of Utilization

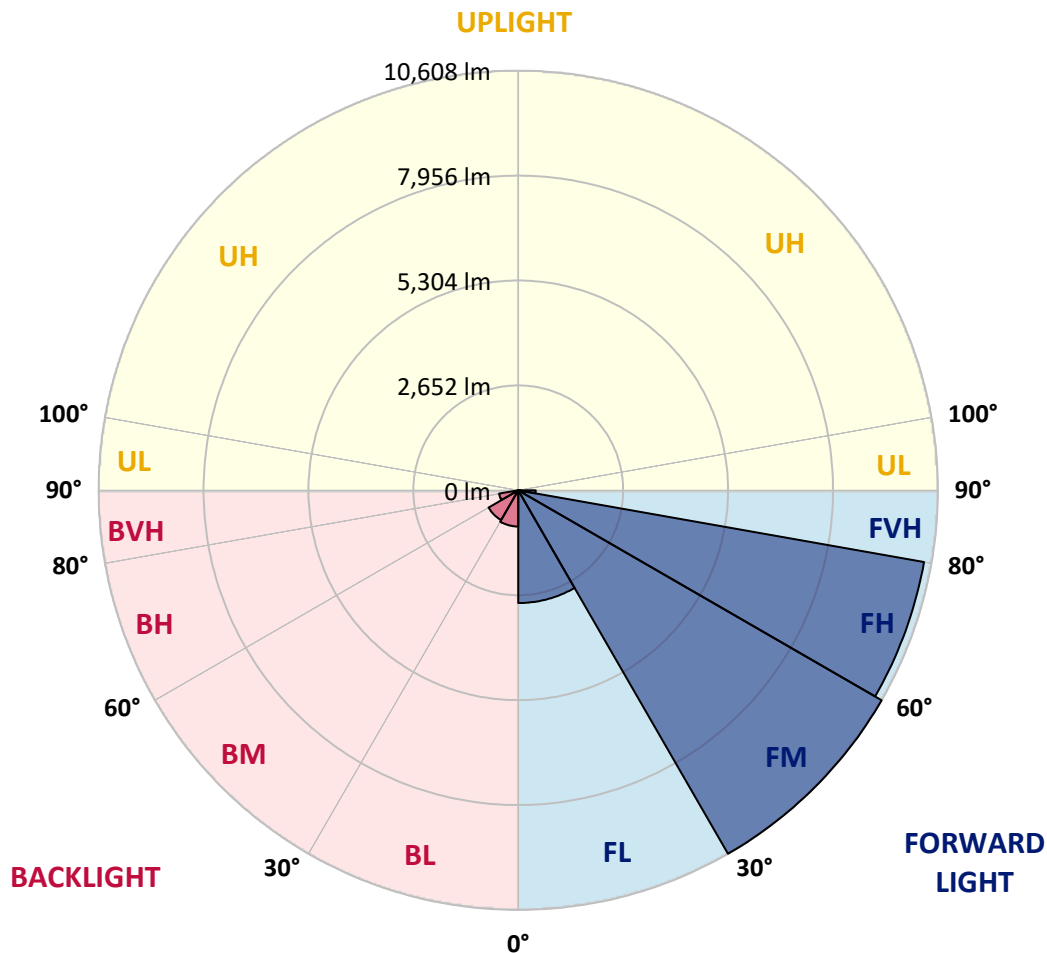


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2848.7 | 10.7 | | | |
| FM (30°-60°) | 10608.4 | 39.9 | | | |
| FH (60°-80°) | 10416.8 | 39.2 | | | G4/12000 |
| FVH (80°-90°) | 443.5 | 1.7 | | | G3/500 |
| BL (0°-30°) | 914.3 | 3.4 | B2/1000 | | |
| BM (30°-60°) | 868.2 | 3.3 | B1/1000 | | |
| BH (60°-80°) | 489.4 | 1.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 3.9 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 58° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7855.4 | 7855.4 | 7855.4 | 7855.4 | 7855.4 | 7855.4 | 7855.4 | 7855.4 | 7855.4 | 7855.4 | 7855.4 |
| 2.5° | 8506.7 | 8485.7 | 8478.0 | 8464.7 | 8413.9 | 8364.1 | 8265.7 | 8238.0 | 8176.1 | 8029.1 | 7873.1 |
| 5° | 8513.4 | 8512.3 | 8535.5 | 8530.0 | 8512.3 | 8489.1 | 8418.3 | 8381.8 | 8276.7 | 8066.6 | 7781.4 |
| 7.5° | 8103.1 | 8124.2 | 8176.1 | 8218.1 | 8266.8 | 8329.8 | 8338.7 | 8303.3 | 8217.0 | 7990.4 | 7612.2 |
| 10° | 7552.5 | 7585.6 | 7658.6 | 7741.6 | 7868.7 | 7994.8 | 8107.6 | 8103.1 | 8073.3 | 7849.9 | 7408.7 |
| 12.5° | 7000.7 | 7039.4 | 7123.4 | 7246.2 | 7426.4 | 7632.1 | 7833.3 | 7861.0 | 7910.7 | 7723.9 | 7220.7 |
| 15° | 6517.5 | 6550.6 | 6633.6 | 6783.9 | 7007.3 | 7283.8 | 7579.0 | 7629.9 | 7758.1 | 7625.4 | 7063.7 |
| 17.5° | 6107.2 | 6128.2 | 6189.0 | 6356.0 | 6614.8 | 6949.8 | 7333.5 | 7433.0 | 7624.3 | 7548.0 | 6927.7 |
| 20° | 5820.8 | 5824.1 | 5863.9 | 5981.2 | 6239.9 | 6614.8 | 7079.2 | 7221.8 | 7482.8 | 7481.7 | 6787.3 |
| 22.5° | 5679.3 | 5668.2 | 5676.0 | 5743.4 | 5933.6 | 6295.2 | 6824.9 | 6994.0 | 7355.6 | 7425.3 | 6644.6 |
| 25° | 5652.7 | 5643.9 | 5621.8 | 5630.6 | 5745.6 | 6015.4 | 6568.3 | 6764.0 | 7244.0 | 7391.0 | 6520.8 |
| 27.5° | 5735.7 | 5744.5 | 5706.9 | 5667.1 | 5676.0 | 5834.1 | 6340.5 | 6567.2 | 7153.3 | 7391.0 | 6433.4 |
| 30° | 5902.6 | 5907.1 | 5879.4 | 5827.4 | 5757.8 | 5783.2 | 6182.4 | 6409.1 | 7107.9 | 7441.9 | 6378.1 |
| 32.5° | 6087.3 | 6111.6 | 6108.3 | 6066.3 | 5966.8 | 5863.9 | 6144.8 | 6351.6 | 7104.6 | 7554.7 | 6372.6 |
| 35° | 6316.2 | 6343.8 | 6390.3 | 6381.4 | 6277.5 | 6108.3 | 6273.1 | 6435.6 | 7169.9 | 7740.4 | 6432.3 |
| 37.5° | 6559.5 | 6601.5 | 6701.0 | 6748.6 | 6681.1 | 6489.8 | 6560.6 | 6676.7 | 7344.6 | 8041.2 | 6583.8 |
| 40° | 6795.0 | 6842.6 | 7023.9 | 7210.8 | 7159.9 | 6963.1 | 6996.3 | 7089.1 | 7655.3 | 8473.6 | 6871.3 |
| 42.5° | 7026.1 | 7096.9 | 7363.4 | 7670.8 | 7731.6 | 7574.6 | 7592.3 | 7666.4 | 8116.4 | 9068.5 | 7341.3 |
| 45° | 7302.6 | 7382.2 | 7776.9 | 8156.2 | 8318.8 | 8250.2 | 8325.4 | 8374.1 | 8719.1 | 9854.7 | 7974.9 |
| 47.5° | 7708.4 | 7800.2 | 8284.5 | 8716.8 | 9002.1 | 9046.4 | 9197.9 | 9229.9 | 9480.9 | 10770.3 | 8800.9 |
| 50° | 8500.1 | 8525.5 | 8963.4 | 9356.0 | 9767.3 | 10032.7 | 10205.2 | 10229.6 | 10403.2 | 11771.0 | 9832.6 |
| 52.5° | 9496.4 | 9513.0 | 9760.7 | 10023.9 | 10491.6 | 11033.5 | 11437.1 | 11471.3 | 11507.8 | 12746.3 | 10851.0 |
| 55° | 10486.1 | 10483.9 | 10647.5 | 10802.3 | 11337.5 | 12124.9 | 13000.6 | 13021.6 | 12759.6 | 13671.8 | 11629.5 |
| 57.5° | 11104.2 | 11163.9 | 11412.7 | 11611.8 | 12359.3 | 13368.9 | 14584.1 | 14661.5 | 14074.3 | 14357.4 | 12399.1 |
| 60° | 10907.4 | 10936.1 | 11487.9 | 12224.4 | 13632.0 | 15137.0 | 16186.4 | 16206.3 | 15062.9 | 15041.9 | 13372.2 |
| 62.5° | 9293.0 | 9308.4 | 10175.4 | 11693.6 | 14276.7 | 17430.4 | 18119.3 | 17795.3 | 16199.6 | 15991.8 | 14536.6 |
| 65° | 6369.3 | 6469.9 | 7194.2 | 9070.7 | 13092.4 | 18869.0 | 21111.5 | 20575.2 | 17932.4 | 17360.7 | 15589.3 |
| 67.5° | 3750.8 | 3729.8 | 4088.1 | 5470.3 | 9615.8 | 17913.6 | 24896.6 | 24363.6 | 20295.4 | 18277.4 | 15280.7 |
| 70° | 2562.1 | 2547.7 | 2684.8 | 3311.8 | 5428.3 | 13896.3 | 26087.5 | 27163.4 | 22382.1 | 17660.4 | 13151.0 |
| 72.5° | 1829.0 | 1836.7 | 2039.1 | 2573.1 | 3408.0 | 8096.5 | 22434.0 | 24980.6 | 21728.5 | 15395.7 | 9996.2 |
| 75° | 1241.8 | 1262.8 | 1552.5 | 2110.9 | 2987.8 | 4119.0 | 15919.9 | 18989.5 | 17693.6 | 11189.4 | 5745.6 |
| 77.5° | 667.9 | 691.1 | 1032.8 | 1700.7 | 2701.4 | 2861.8 | 10240.6 | 13069.2 | 11114.2 | 5030.2 | 1665.3 |
| 80° | 278.7 | 291.9 | 483.2 | 1236.3 | 2334.3 | 2513.4 | 6025.4 | 7925.1 | 4736.0 | 991.9 | 371.5 |
| 82.5° | 120.5 | 127.2 | 201.3 | 737.6 | 1744.9 | 2122.0 | 3190.2 | 3812.7 | 1435.3 | 217.8 | 186.9 |
| 85° | 23.2 | 24.3 | 82.9 | 390.3 | 1113.5 | 1197.6 | 2067.8 | 2026.9 | 644.7 | 94.0 | 136.0 |
| 87.5° | 0.0 | 0.0 | 19.9 | 122.7 | 327.3 | 652.4 | 1261.7 | 1246.2 | 218.9 | 45.3 | 50.9 |
| 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° | 7855.4 | 7855.4 | 7855.4 | 7855.4 | 7855.4 | 7855.4 | 7855.4 | 7855.4 | 7855.4 | 7855.4 | 7855.4 |
| 2.5° | 7793.5 | 7717.2 | 7556.9 | 7359.0 | 7207.5 | 7040.5 | 6907.8 | 6739.7 | 6666.7 | 6670.1 | 6630.2 |
| 5° | 7618.8 | 7461.8 | 7106.8 | 6659.0 | 6314.0 | 5957.9 | 5651.6 | 5346.4 | 5166.2 | 5107.6 | 5052.3 |
| 7.5° | 7368.9 | 7120.1 | 6553.9 | 5863.9 | 5280.1 | 4709.5 | 4213.0 | 3776.2 | 3499.8 | 3364.9 | 3315.1 |
| 10° | 7086.9 | 6737.5 | 5918.1 | 5009.2 | 4175.4 | 3403.6 | 2760.0 | 2200.5 | 1977.1 | 1825.6 | 1786.9 |
| 12.5° | 6839.2 | 6366.0 | 5296.7 | 4132.3 | 3142.6 | 2211.6 | 1597.8 | 1249.5 | 1098.0 | 1038.3 | 1028.4 |
| 15° | 6605.9 | 6018.7 | 4698.5 | 3338.3 | 2176.2 | 1361.2 | 1016.2 | 897.9 | 862.5 | 852.6 | 852.6 |
| 17.5° | 6385.9 | 5688.1 | 4113.5 | 2556.6 | 1439.7 | 954.3 | 841.5 | 815.0 | 803.9 | 802.8 | 803.9 |
| 20° | 6155.9 | 5357.5 | 3538.5 | 1873.2 | 1005.2 | 808.3 | 777.4 | 763.0 | 759.7 | 759.7 | 759.7 |
| 22.5° | 5935.8 | 5026.9 | 2979.0 | 1338.0 | 806.1 | 737.6 | 722.1 | 712.1 | 708.8 | 707.7 | 705.5 |
| 25° | 5724.6 | 4712.8 | 2432.7 | 945.4 | 707.7 | 675.6 | 662.4 | 649.1 | 639.1 | 633.6 | 630.3 |
| 27.5° | 5551.0 | 4433.1 | 1924.1 | 758.6 | 639.1 | 611.5 | 594.9 | 575.0 | 550.7 | 539.6 | 535.2 |
| 30° | 5412.8 | 4177.6 | 1482.8 | 640.2 | 575.0 | 547.4 | 521.9 | 487.6 | 452.3 | 433.5 | 432.4 |
| 32.5° | 5304.4 | 3926.6 | 1125.7 | 566.2 | 517.5 | 483.2 | 446.7 | 403.6 | 362.7 | 341.7 | 340.6 |
| 35° | 5251.3 | 3705.5 | 860.3 | 512.0 | 466.6 | 423.5 | 378.2 | 330.6 | 290.8 | 270.9 | 268.7 |
| 37.5° | 5286.7 | 3518.6 | 671.2 | 466.6 | 423.5 | 373.8 | 320.7 | 270.9 | 235.5 | 217.8 | 216.7 |
| 40° | 5416.1 | 3399.2 | 545.1 | 427.9 | 387.0 | 326.2 | 268.7 | 222.3 | 192.4 | 178.0 | 176.9 |
| 42.5° | 5691.4 | 3354.9 | 465.5 | 395.9 | 351.6 | 282.0 | 223.4 | 183.6 | 155.9 | 146.0 | 143.8 |
| 45° | 6151.4 | 3420.2 | 411.3 | 364.9 | 315.1 | 240.0 | 184.7 | 150.4 | 126.1 | 118.3 | 117.2 |
| 47.5° | 6764.0 | 3591.6 | 372.6 | 335.1 | 282.0 | 202.4 | 153.7 | 121.6 | 102.8 | 95.1 | 94.0 |
| 50° | 7553.6 | 3863.6 | 340.6 | 305.2 | 251.0 | 171.4 | 127.2 | 96.2 | 79.6 | 74.1 | 74.1 |
| 52.5° | 8412.8 | 4187.6 | 311.8 | 277.6 | 220.0 | 142.6 | 102.8 | 74.1 | 63.0 | 56.4 | 56.4 |
| 55° | 9122.7 | 4470.7 | 280.9 | 256.5 | 182.5 | 118.3 | 78.5 | 56.4 | 46.4 | 43.1 | 43.1 |
| 57.5° | 9831.5 | 4772.5 | 245.5 | 220.0 | 146.0 | 96.2 | 59.7 | 42.0 | 34.3 | 32.1 | 32.1 |
| 60° | 10750.4 | 5141.9 | 211.2 | 179.1 | 115.0 | 73.0 | 44.2 | 29.9 | 25.4 | 24.3 | 24.3 |
| 62.5° | 11761.1 | 5358.6 | 180.2 | 143.8 | 89.6 | 54.2 | 32.1 | 19.9 | 18.8 | 18.8 | 17.7 |
| 65° | 12379.2 | 5052.3 | 151.5 | 115.0 | 69.7 | 40.9 | 21.0 | 14.4 | 16.6 | 15.5 | 13.3 |
| 67.5° | 11590.8 | 3955.4 | 123.8 | 89.6 | 54.2 | 31.0 | 13.3 | 10.0 | 17.7 | 14.4 | 11.1 |
| 70° | 9597.0 | 2768.9 | 96.2 | 63.0 | 43.1 | 26.5 | 8.8 | 6.6 | 18.8 | 14.4 | 8.8 |
| 72.5° | 7182.0 | 1853.3 | 76.3 | 42.0 | 32.1 | 23.2 | 7.7 | 3.3 | 16.6 | 12.2 | 7.7 |
| 75° | 3924.4 | 746.4 | 60.8 | 26.5 | 19.9 | 16.6 | 5.5 | 2.2 | 11.1 | 8.8 | 5.5 |
| 77.5° | 1032.8 | 196.8 | 44.2 | 17.7 | 11.1 | 6.6 | 3.3 | 1.1 | 5.5 | 4.4 | 2.2 |
| 80° | 263.2 | 76.3 | 28.8 | 12.2 | 7.7 | 3.3 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 |
| 82.5° | 140.4 | 32.1 | 17.7 | 8.8 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 106.2 | 21.0 | 10.0 | 5.5 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 40.9 | 6.6 | 3.3 | 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)