

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: P266704

Luminaire Tested: **GAN-AF-02-LED-U-T2R-7027-ADJ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24657)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-02-LED-U-T2R-7027-ADJ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11023 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 113
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: 28.75 FT

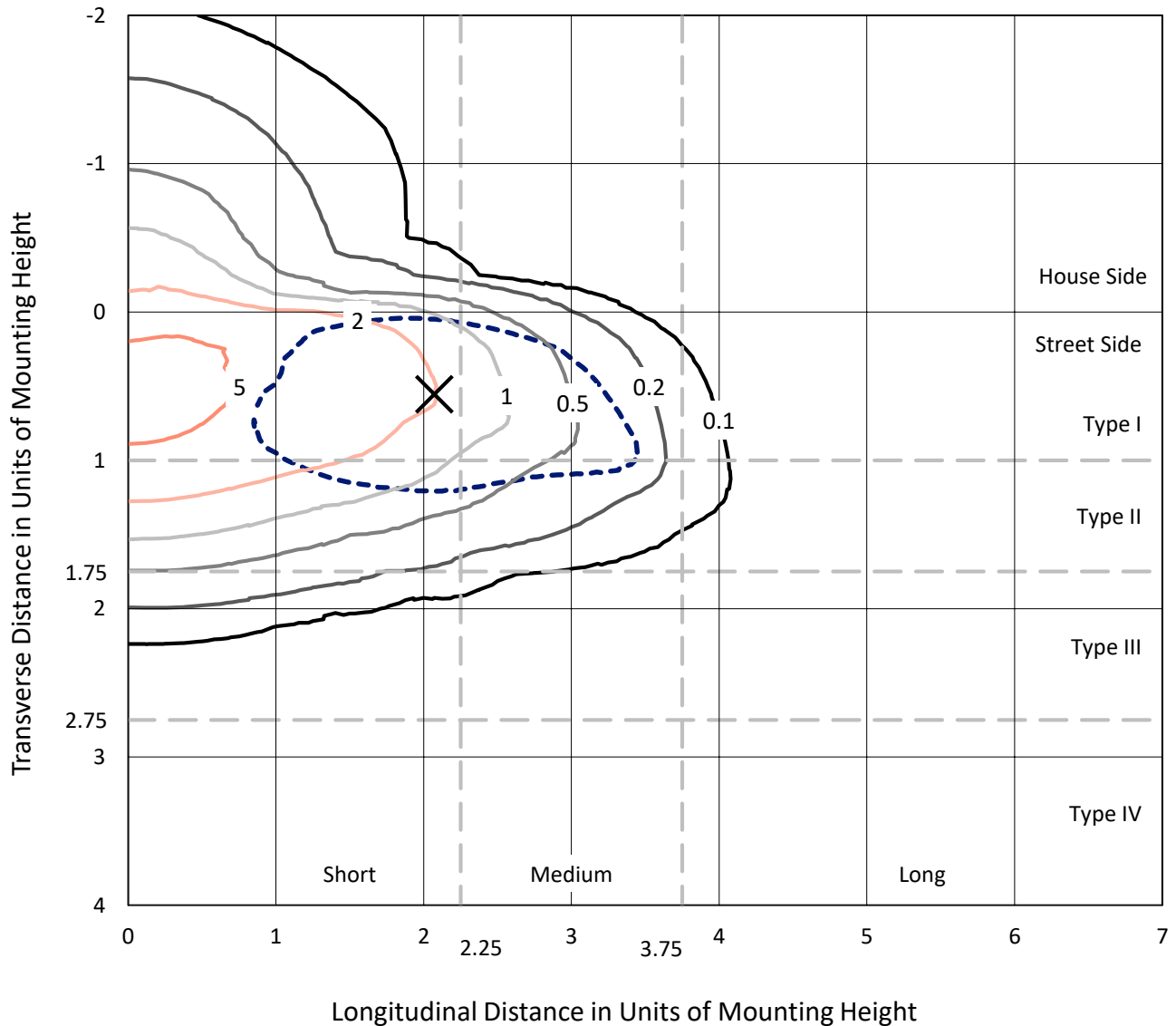


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Iso-Footcandle Lines of Horizontal Illumination

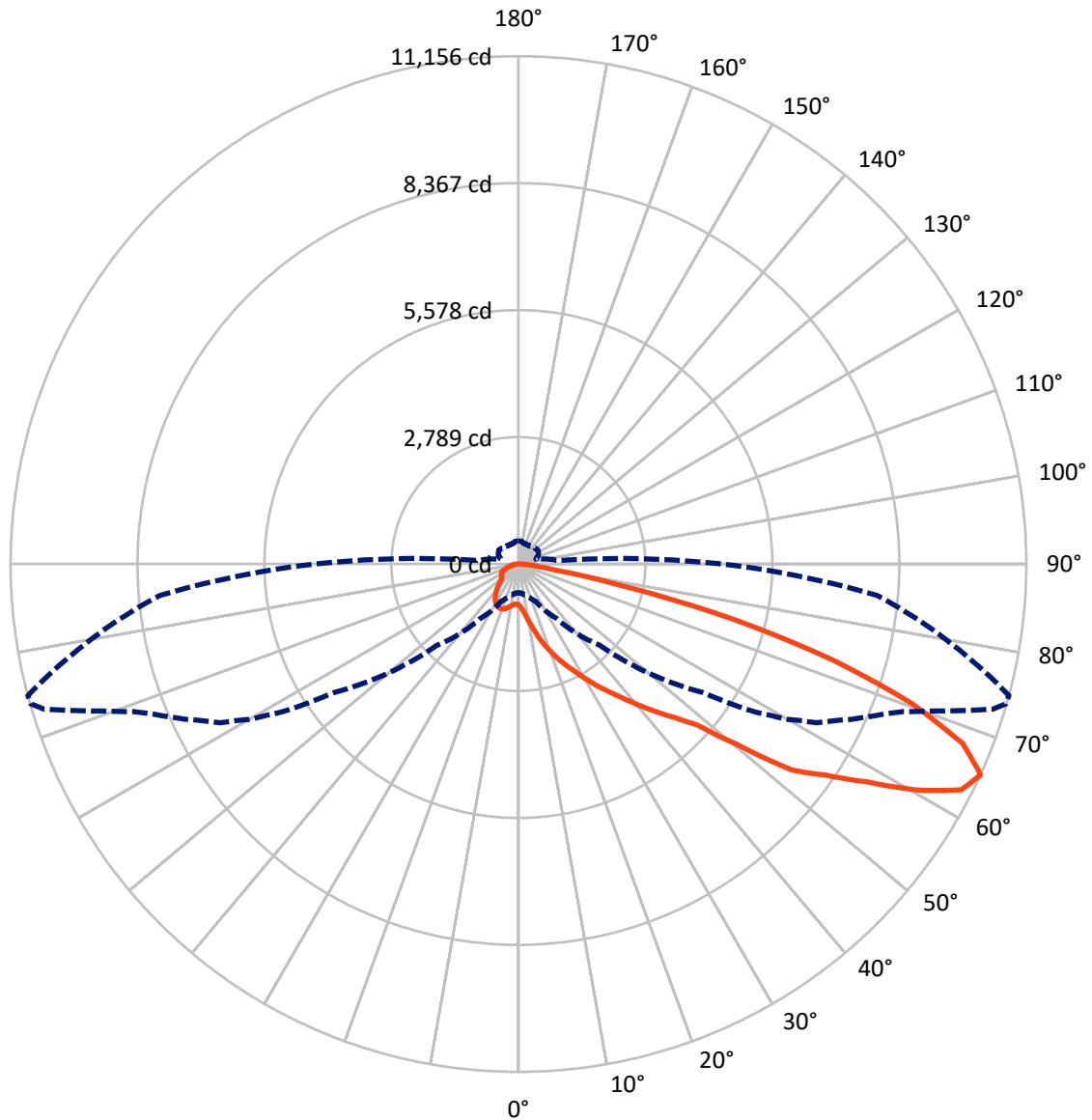
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1699.5 | 0.0 | 1699.5 |
| | % Fixture | 15.4 | 0.0 | 15.4 |
| Street Side | Lumens | 9323.5 | 0.0 | 9323.5 |
| | % Fixture | 84.6 | 0.0 | 84.6 |
| Total | Lumens | 11023.0 | 0.0 | 11023.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 110.7 | 1.0 |
| 10°-20° | 432.6 | 3.9 |
| 20°-30° | 887.6 | 8.1 |
| 30°-40° | 1493.4 | 13.5 |
| 40°-50° | 2063.4 | 18.7 |
| 50°-60° | 2575.8 | 23.4 |
| 60°-70° | 2317.9 | 21.0 |
| 70°-80° | 971.7 | 8.8 |
| 80°-90° | 169.7 | 1.5 |
| 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° | 11023.0 | 100.0 |
| 0°-180° | 11023.0 | 100.0 |

Coefficient of Utilization



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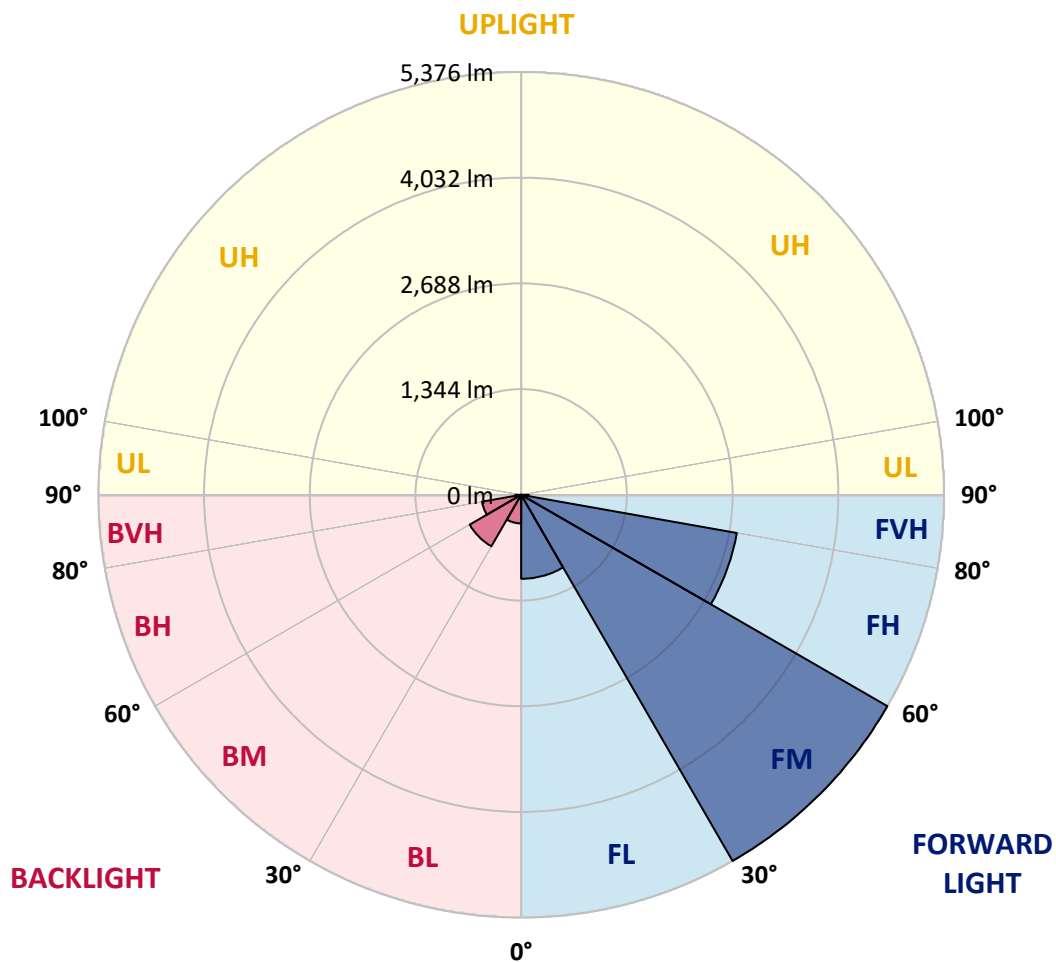
CATALOG NUMBER: GAN-AF-02-LED-U-T2R-7027-ADJ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1067.5 | 9.7 | | | |
| FM | (30°-60°) | 5376.2 | 48.8 | | | |
| FH | (60°-80°) | 2784.4 | 25.3 | | | G2/5000 |
| FVH | (80°-90°) | 95.4 | 0.9 | | | G1/100 |
| BL | (0°-30°) | 363.5 | 3.3 | B1/500 | | |
| BM | (30°-60°) | 756.5 | 6.9 | B1/1000 | | |
| BH | (60°-80°) | 505.2 | 4.6 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 74.3 | 0.7 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 |
| 2.5° | 1137.4 | 1124.9 | 1128.0 | 1107.2 | 1081.6 | 1048.2 | 1011.1 | 1010.7 | 1011.1 | 1007.4 | 994.0 |
| 5° | 1577.2 | 1562.2 | 1556.4 | 1509.4 | 1440.5 | 1342.4 | 1236.0 | 1224.5 | 1219.8 | 1207.9 | 1180.2 |
| 7.5° | 1898.1 | 1889.8 | 1881.0 | 1845.4 | 1782.7 | 1673.3 | 1530.3 | 1505.7 | 1482.3 | 1476.5 | 1445.3 |
| 10° | 2105.3 | 2103.1 | 2084.3 | 2074.9 | 2035.7 | 1940.9 | 1801.6 | 1778.0 | 1752.6 | 1743.7 | 1710.8 |
| 12.5° | 2269.1 | 2268.5 | 2259.6 | 2262.3 | 2228.3 | 2159.4 | 2039.5 | 2018.1 | 1999.3 | 1972.1 | 1948.8 |
| 15° | 2382.2 | 2382.8 | 2395.8 | 2410.4 | 2405.2 | 2358.8 | 2246.1 | 2236.7 | 2220.5 | 2201.7 | 2174.1 |
| 17.5° | 2475.1 | 2477.7 | 2491.3 | 2517.9 | 2546.7 | 2543.0 | 2453.8 | 2445.9 | 2431.8 | 2406.3 | 2391.6 |
| 20° | 2684.9 | 2694.7 | 2668.8 | 2668.8 | 2671.9 | 2685.9 | 2643.2 | 2636.9 | 2617.0 | 2603.5 | 2592.0 |
| 22.5° | 3039.1 | 3050.6 | 2991.6 | 2931.7 | 2872.7 | 2829.9 | 2787.1 | 2794.9 | 2781.4 | 2772.0 | 2765.3 |
| 25° | 3499.3 | 3508.2 | 3412.8 | 3311.5 | 3191.5 | 3035.0 | 2929.1 | 2924.3 | 2917.1 | 2911.3 | 2908.3 |
| 27.5° | 3932.4 | 3936.1 | 3845.7 | 3697.7 | 3558.2 | 3333.4 | 3073.0 | 3067.4 | 3058.5 | 3047.5 | 3038.1 |
| 30° | 4302.8 | 4301.8 | 4208.9 | 4067.4 | 3918.2 | 3669.3 | 3291.7 | 3274.0 | 3247.8 | 3218.1 | 3195.1 |
| 32.5° | 4623.7 | 4622.0 | 4520.5 | 4373.8 | 4217.3 | 4002.3 | 3591.2 | 3554.7 | 3513.9 | 3456.0 | 3421.0 |
| 35° | 4876.2 | 4875.1 | 4779.2 | 4626.4 | 4446.8 | 4315.8 | 3934.4 | 3889.7 | 3837.9 | 3760.1 | 3706.4 |
| 37.5° | 4971.7 | 4971.7 | 4918.0 | 4813.6 | 4654.9 | 4565.2 | 4315.8 | 4261.6 | 4206.3 | 4118.1 | 4057.6 |
| 40° | 4915.9 | 4917.0 | 4928.5 | 4909.1 | 4831.9 | 4763.1 | 4671.6 | 4639.3 | 4591.9 | 4512.5 | 4449.5 |
| 42.5° | 4728.6 | 4734.2 | 4810.5 | 4903.8 | 4942.5 | 4931.5 | 4987.3 | 4972.7 | 4939.3 | 4878.2 | 4828.2 |
| 45° | 4491.2 | 4509.0 | 4592.3 | 4768.7 | 4973.2 | 5077.1 | 5251.9 | 5253.4 | 5247.2 | 5214.3 | 5175.7 |
| 47.5° | 4165.1 | 4190.1 | 4300.1 | 4538.6 | 4901.2 | 5218.4 | 5520.5 | 5534.6 | 5547.8 | 5526.4 | 5508.5 |
| 50° | 3732.0 | 3761.7 | 3926.6 | 4242.9 | 4754.5 | 5365.0 | 6028.2 | 6091.9 | 6151.4 | 6144.0 | 6156.1 |
| 52.5° | 3268.3 | 3303.2 | 3505.0 | 3857.2 | 4502.7 | 5399.1 | 6352.8 | 6456.6 | 6560.4 | 6645.4 | 6735.8 |
| 55° | 2849.8 | 2831.0 | 3032.9 | 3403.9 | 4088.4 | 5246.1 | 6644.5 | 6769.5 | 6885.4 | 6989.8 | 7097.2 |
| 57.5° | 2282.7 | 2313.4 | 2515.9 | 2882.7 | 3540.0 | 4814.6 | 6845.3 | 7028.3 | 7194.9 | 7367.4 | 7519.9 |
| 60° | 1668.5 | 1699.4 | 1919.0 | 2291.4 | 2944.7 | 4160.4 | 6691.8 | 6969.4 | 7236.0 | 7500.6 | 7707.2 |
| 62.5° | 1007.4 | 1030.4 | 1224.0 | 1578.9 | 2270.6 | 3384.5 | 6008.4 | 6372.5 | 6764.9 | 7081.1 | 7397.8 |
| 65° | 627.1 | 640.2 | 711.6 | 906.7 | 1458.3 | 2526.8 | 4909.1 | 5306.1 | 5728.8 | 6129.9 | 6459.2 |
| 67.5° | 513.4 | 518.1 | 531.2 | 572.8 | 800.8 | 1647.6 | 3653.8 | 4005.5 | 4386.9 | 4775.0 | 5141.3 |
| 70° | 461.8 | 458.7 | 458.7 | 461.2 | 513.4 | 885.9 | 2392.1 | 2621.3 | 2939.0 | 3276.6 | 3611.5 |
| 72.5° | 416.9 | 413.7 | 408.0 | 400.1 | 419.0 | 540.5 | 1236.5 | 1409.3 | 1638.2 | 1938.3 | 2259.1 |
| 75° | 374.7 | 370.5 | 363.6 | 353.8 | 366.8 | 408.0 | 593.7 | 666.3 | 777.9 | 937.7 | 1116.6 |
| 77.5° | 330.8 | 325.5 | 319.3 | 312.0 | 328.7 | 317.2 | 348.1 | 374.1 | 416.9 | 467.9 | 535.3 |
| 80° | 281.2 | 276.5 | 274.4 | 270.7 | 290.6 | 241.6 | 245.7 | 261.9 | 287.0 | 314.5 | 345.8 |
| 82.5° | 220.2 | 220.2 | 228.4 | 230.1 | 252.1 | 173.7 | 183.7 | 197.7 | 210.8 | 225.4 | 239.9 |
| 85° | 145.0 | 146.1 | 174.2 | 185.2 | 198.7 | 116.9 | 137.7 | 142.4 | 152.9 | 161.2 | 167.4 |
| 87.5° | 45.4 | 49.0 | 106.4 | 117.9 | 114.3 | 66.3 | 84.5 | 86.5 | 94.0 | 99.6 | 104.8 |
| 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):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 |
| 2.5° | 994.0 | 987.6 | 981.8 | 981.4 | 977.3 | 971.4 | 973.6 | 964.7 | 965.1 | 960.6 | 955.3 |
| 5° | 1168.8 | 1164.6 | 1143.6 | 1138.0 | 1122.3 | 1112.3 | 1110.8 | 1090.0 | 1087.3 | 1075.4 | 1062.2 |
| 7.5° | 1420.2 | 1406.7 | 1377.5 | 1363.3 | 1336.7 | 1316.8 | 1307.6 | 1279.8 | 1266.3 | 1235.0 | 1220.8 |
| 10° | 1683.7 | 1666.4 | 1630.5 | 1610.7 | 1585.1 | 1553.2 | 1536.0 | 1495.9 | 1480.1 | 1451.5 | 1417.0 |
| 12.5° | 1927.9 | 1910.7 | 1873.5 | 1858.5 | 1824.5 | 1790.6 | 1771.8 | 1726.5 | 1706.2 | 1660.2 | 1633.1 |
| 15° | 2153.7 | 2136.4 | 2104.2 | 2088.5 | 2054.7 | 2026.9 | 2002.0 | 1957.0 | 1933.1 | 1890.3 | 1854.8 |
| 17.5° | 2373.0 | 2354.5 | 2326.4 | 2312.3 | 2279.4 | 2251.3 | 2224.3 | 2182.0 | 2157.4 | 2114.6 | 2082.8 |
| 20° | 2576.3 | 2562.9 | 2542.5 | 2523.7 | 2490.8 | 2465.2 | 2432.9 | 2396.4 | 2360.8 | 2329.6 | 2299.3 |
| 22.5° | 2753.8 | 2748.5 | 2726.6 | 2718.4 | 2690.2 | 2668.1 | 2639.9 | 2603.9 | 2578.4 | 2538.8 | 2510.7 |
| 25° | 2906.6 | 2905.1 | 2894.6 | 2892.1 | 2872.2 | 2851.3 | 2845.0 | 2815.3 | 2791.8 | 2756.9 | 2727.7 |
| 27.5° | 3038.1 | 3039.7 | 3037.1 | 3044.4 | 3039.1 | 3029.8 | 3030.3 | 3020.5 | 3006.7 | 2977.6 | 2952.0 |
| 30° | 3184.2 | 3175.9 | 3180.4 | 3191.0 | 3194.2 | 3195.1 | 3212.3 | 3218.1 | 3217.1 | 3197.7 | 3185.2 |
| 32.5° | 3390.8 | 3371.0 | 3352.7 | 3351.1 | 3361.5 | 3365.8 | 3395.0 | 3410.1 | 3423.1 | 3427.8 | 3429.9 |
| 35° | 3654.2 | 3614.6 | 3576.5 | 3556.2 | 3538.5 | 3543.2 | 3564.0 | 3588.5 | 3617.2 | 3637.1 | 3660.6 |
| 37.5° | 3986.0 | 3937.6 | 3870.3 | 3822.3 | 3810.3 | 3784.2 | 3797.8 | 3817.1 | 3845.3 | 3876.0 | 3916.7 |
| 40° | 4388.4 | 4314.7 | 4239.1 | 4175.5 | 4141.0 | 4093.0 | 4092.6 | 4088.8 | 4106.2 | 4134.8 | 4192.2 |
| 42.5° | 4775.5 | 4710.4 | 4630.0 | 4563.2 | 4518.3 | 4454.2 | 4441.1 | 4407.2 | 4415.0 | 4440.1 | 4495.8 |
| 45° | 5138.1 | 5084.3 | 5035.3 | 4958.1 | 4920.0 | 4850.7 | 4828.7 | 4788.5 | 4766.0 | 4777.5 | 4833.4 |
| 47.5° | 5489.3 | 5454.8 | 5403.7 | 5353.5 | 5324.3 | 5262.4 | 5234.2 | 5205.4 | 5176.8 | 5175.7 | 5234.2 |
| 50° | 6173.8 | 6155.5 | 6095.0 | 6042.8 | 6056.9 | 5980.7 | 5985.4 | 5908.2 | 5943.1 | 5947.4 | 6069.9 |
| 52.5° | 6817.1 | 6880.7 | 6925.7 | 6980.4 | 7015.9 | 7022.7 | 7046.1 | 7081.1 | 7123.3 | 7206.8 | 7320.6 |
| 55° | 7185.5 | 7265.2 | 7311.7 | 7353.4 | 7422.2 | 7436.9 | 7476.1 | 7522.4 | 7559.5 | 7653.4 | 7749.9 |
| 57.5° | 7623.1 | 7771.3 | 7843.3 | 7909.5 | 8002.6 | 8037.9 | 8103.3 | 8153.7 | 8201.7 | 8312.9 | 8429.8 |
| 60° | 7892.9 | 8073.4 | 8220.0 | 8325.0 | 8441.3 | 8524.7 | 8623.4 | 8702.7 | 8815.3 | 8948.3 | 9122.6 |
| 62.5° | 7678.5 | 7943.5 | 8138.1 | 8318.1 | 8476.2 | 8635.9 | 8777.2 | 8925.4 | 9096.5 | 9297.9 | 9568.2 |
| 65° | 6824.3 | 7094.2 | 7427.5 | 7614.4 | 7823.5 | 8069.7 | 8284.8 | 8524.7 | 8757.9 | 9051.2 | 9450.9 |
| 67.5° | 5493.9 | 5807.5 | 6182.1 | 6370.5 | 6610.9 | 6886.0 | 7127.1 | 7420.2 | 7692.5 | 8047.8 | 8542.0 |
| 70° | 3960.0 | 4365.5 | 4680.6 | 4877.3 | 5158.0 | 5441.3 | 5674.0 | 6015.2 | 6240.5 | 6604.8 | 7115.6 |
| 72.5° | 2507.4 | 2827.3 | 3213.3 | 3461.2 | 3710.5 | 3997.5 | 4235.5 | 4529.8 | 4740.0 | 5071.8 | 5534.6 |
| 75° | 1348.1 | 1584.0 | 1923.1 | 2158.4 | 2425.6 | 2670.8 | 2949.4 | 3146.7 | 3302.1 | 3564.6 | 3940.1 |
| 77.5° | 631.9 | 775.2 | 947.0 | 1128.0 | 1309.0 | 1498.0 | 1681.5 | 1841.3 | 1908.0 | 2058.2 | 2280.0 |
| 80° | 383.4 | 429.8 | 480.1 | 535.7 | 611.4 | 672.6 | 753.4 | 811.8 | 816.0 | 863.5 | 931.4 |
| 82.5° | 256.1 | 273.4 | 288.5 | 302.5 | 322.0 | 337.0 | 354.2 | 374.7 | 382.9 | 393.8 | 415.8 |
| 85° | 174.8 | 183.2 | 186.3 | 195.1 | 193.0 | 198.3 | 205.1 | 211.8 | 215.5 | 215.0 | 224.8 |
| 87.5° | 107.4 | 111.7 | 113.7 | 115.8 | 114.3 | 112.2 | 115.3 | 118.9 | 120.1 | 116.9 | 117.9 |
| 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):

| | 71° | 72° | 73° | 74° | 75° | 85° | 90° | 95° | 105° | 115° | 125° |
|-------|--------|---------|---------|---------|---------|--------|--------|--------|--------|-------|-------|
| 0° | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 |
| 2.5° | 956.3 | 951.7 | 947.0 | 943.8 | 942.9 | 915.2 | 903.2 | 895.3 | 878.6 | 865.1 | 854.1 |
| 5° | 1055.0 | 1045.1 | 1037.3 | 1027.8 | 1022.6 | 952.7 | 927.1 | 909.4 | 880.2 | 862.9 | 847.3 |
| 7.5° | 1213.6 | 1185.9 | 1169.8 | 1151.4 | 1135.8 | 1009.5 | 967.4 | 939.6 | 898.9 | 875.9 | 858.3 |
| 10° | 1393.6 | 1364.9 | 1339.4 | 1311.2 | 1286.6 | 1085.2 | 1023.7 | 980.9 | 927.1 | 897.3 | 874.0 |
| 12.5° | 1594.4 | 1566.3 | 1533.9 | 1498.0 | 1466.7 | 1181.2 | 1095.7 | 1034.6 | 961.0 | 921.4 | 888.6 |
| 15° | 1831.9 | 1782.2 | 1743.2 | 1701.4 | 1664.9 | 1296.1 | 1179.7 | 1095.2 | 997.1 | 943.3 | 899.6 |
| 17.5° | 2052.5 | 2000.3 | 1947.2 | 1910.7 | 1868.4 | 1424.9 | 1264.2 | 1156.7 | 1026.9 | 957.5 | 901.5 |
| 20° | 2268.0 | 2211.2 | 2165.3 | 2116.1 | 2071.9 | 1558.4 | 1354.5 | 1210.9 | 1046.0 | 958.0 | 888.6 |
| 22.5° | 2457.9 | 2422.5 | 2371.3 | 2318.0 | 2273.3 | 1692.0 | 1438.9 | 1256.9 | 1053.4 | 945.9 | 865.5 |
| 25° | 2674.0 | 2636.3 | 2573.7 | 2528.9 | 2478.9 | 1828.2 | 1521.9 | 1292.3 | 1049.2 | 923.5 | 830.2 |
| 27.5° | 2904.5 | 2862.8 | 2798.6 | 2751.7 | 2691.1 | 1969.5 | 1598.1 | 1318.0 | 1033.6 | 886.9 | 782.7 |
| 30° | 3145.1 | 3107.0 | 3043.8 | 2996.3 | 2935.3 | 2119.3 | 1683.2 | 1335.2 | 1002.2 | 836.3 | 727.3 |
| 32.5° | 3403.3 | 3371.5 | 3308.8 | 3259.3 | 3194.2 | 2281.5 | 1762.5 | 1340.4 | 954.8 | 776.3 | 668.9 |
| 35° | 3648.6 | 3626.6 | 3573.9 | 3527.6 | 3459.6 | 2434.9 | 1846.5 | 1337.8 | 898.5 | 710.6 | 615.7 |
| 37.5° | 3924.5 | 3911.5 | 3885.3 | 3826.5 | 3743.4 | 2643.2 | 1947.2 | 1326.7 | 829.6 | 645.4 | 574.9 |
| 40° | 4218.8 | 4219.9 | 4191.8 | 4151.4 | 4074.4 | 2895.6 | 2067.1 | 1305.3 | 754.4 | 588.0 | 537.9 |
| 42.5° | 4530.3 | 4546.4 | 4532.8 | 4504.2 | 4430.1 | 3150.3 | 2210.5 | 1279.2 | 681.5 | 532.2 | 501.4 |
| 45° | 4887.1 | 4907.0 | 4927.8 | 4885.6 | 4813.6 | 3486.3 | 2399.6 | 1245.4 | 602.7 | 485.8 | 476.3 |
| 47.5° | 5298.8 | 5330.2 | 5348.9 | 5349.4 | 5277.5 | 3902.6 | 2706.2 | 1225.1 | 532.6 | 454.5 | 464.3 |
| 50° | 6167.6 | 6177.5 | 6221.8 | 6298.9 | 6243.7 | 4866.3 | 3242.2 | 1212.5 | 485.3 | 435.0 | 455.5 |
| 52.5° | 7419.2 | 7528.2 | 7605.0 | 7599.8 | 7524.6 | 5478.4 | 3537.4 | 1147.9 | 457.1 | 427.9 | 451.3 |
| 55° | 7928.9 | 8065.2 | 8207.0 | 8244.6 | 8186.2 | 6000.6 | 3816.5 | 1083.1 | 443.5 | 433.1 | 452.8 |
| 57.5° | 8608.2 | 8837.7 | 9032.4 | 9114.4 | 9029.9 | 6668.8 | 4183.9 | 1049.2 | 439.4 | 447.1 | 462.7 |
| 60° | 9401.8 | 9685.6 | 9941.3 | 10088.4 | 10088.4 | 7436.9 | 4564.6 | 1035.1 | 433.5 | 467.9 | 479.4 |
| 62.5° | 9911.4 | 10328.4 | 10714.5 | 10929.9 | 10923.7 | 7971.6 | 4733.8 | 987.1 | 420.5 | 482.6 | 502.4 |
| 65° | 9913.6 | 10409.3 | 10901.3 | 11143.4 | 11156.0 | 7906.0 | 4454.6 | 871.9 | 396.5 | 484.6 | 525.4 |
| 67.5° | 9087.2 | 9615.6 | 10189.0 | 10459.9 | 10522.4 | 7277.8 | 3856.2 | 716.8 | 357.3 | 463.9 | 533.8 |
| 70° | 7674.8 | 8190.8 | 8776.3 | 9042.2 | 9153.4 | 6204.1 | 3105.9 | 552.5 | 307.3 | 417.9 | 516.5 |
| 72.5° | 6046.5 | 6552.5 | 6960.1 | 7154.6 | 7241.2 | 4742.2 | 2261.8 | 417.4 | 252.1 | 352.1 | 470.2 |
| 75° | 4281.0 | 4660.8 | 4877.3 | 4920.6 | 4934.1 | 2858.6 | 1374.2 | 310.5 | 207.7 | 274.0 | 397.1 |
| 77.5° | 2416.3 | 2578.9 | 2561.2 | 2580.6 | 2419.9 | 1103.5 | 598.5 | 222.3 | 171.1 | 208.1 | 307.8 |
| 80° | 943.3 | 972.5 | 913.5 | 895.3 | 821.2 | 410.6 | 264.0 | 155.0 | 136.7 | 157.6 | 215.5 |
| 82.5° | 415.8 | 429.4 | 416.9 | 420.0 | 401.7 | 211.8 | 158.1 | 112.2 | 104.4 | 115.3 | 143.0 |
| 85° | 229.1 | 233.2 | 232.2 | 238.9 | 229.1 | 84.5 | 75.1 | 68.9 | 73.0 | 78.2 | 91.8 |
| 87.5° | 111.7 | 112.6 | 109.1 | 114.8 | 111.1 | 42.8 | 37.0 | 39.2 | 42.8 | 43.8 | 43.8 |
| 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):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|
| 0° | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 | 895.8 |
| 2.5° | 846.3 | 842.2 | 842.6 | 841.5 | 839.5 | 839.5 |
| 5° | 838.9 | 834.7 | 834.7 | 833.7 | 831.1 | 831.7 |
| 7.5° | 846.3 | 839.5 | 837.0 | 833.2 | 829.6 | 829.6 |
| 10° | 854.6 | 842.6 | 835.3 | 829.0 | 824.4 | 824.4 |
| 12.5° | 860.8 | 842.2 | 830.2 | 821.7 | 817.1 | 817.1 |
| 15° | 862.9 | 838.5 | 821.7 | 811.8 | 807.7 | 807.1 |
| 17.5° | 856.2 | 824.4 | 804.1 | 792.6 | 787.4 | 785.7 |
| 20° | 835.3 | 798.9 | 774.2 | 761.3 | 753.9 | 751.3 |
| 22.5° | 804.1 | 762.2 | 733.6 | 720.0 | 710.6 | 709.0 |
| 25° | 760.1 | 715.3 | 687.2 | 674.1 | 668.9 | 667.4 |
| 27.5° | 709.0 | 667.4 | 643.2 | 634.9 | 630.3 | 629.7 |
| 30° | 660.6 | 625.0 | 607.3 | 601.1 | 595.2 | 594.3 |
| 32.5° | 615.1 | 592.7 | 586.0 | 577.0 | 563.4 | 561.9 |
| 35° | 582.8 | 580.8 | 576.1 | 556.2 | 539.5 | 534.9 |
| 37.5° | 563.0 | 582.3 | 558.2 | 519.1 | 507.2 | 506.0 |
| 40° | 551.5 | 566.1 | 524.9 | 511.3 | 512.4 | 511.3 |
| 42.5° | 525.4 | 540.5 | 525.9 | 519.7 | 523.8 | 524.9 |
| 45° | 499.3 | 515.9 | 533.8 | 529.6 | 539.5 | 539.5 |
| 47.5° | 484.6 | 509.8 | 533.2 | 533.2 | 547.8 | 553.0 |
| 50° | 467.9 | 504.5 | 524.9 | 532.2 | 543.7 | 539.5 |
| 52.5° | 466.9 | 495.7 | 512.8 | 525.9 | 531.2 | 526.4 |
| 55° | 468.6 | 488.4 | 500.9 | 515.4 | 521.7 | 522.3 |
| 57.5° | 470.6 | 484.1 | 492.5 | 499.3 | 518.1 | 518.1 |
| 60° | 475.8 | 480.6 | 485.3 | 488.9 | 513.4 | 513.9 |
| 62.5° | 484.1 | 476.9 | 475.8 | 479.4 | 510.7 | 508.7 |
| 65° | 497.2 | 471.7 | 463.9 | 467.5 | 508.3 | 502.0 |
| 67.5° | 515.0 | 463.9 | 448.8 | 451.3 | 506.0 | 492.5 |
| 70° | 531.2 | 451.3 | 429.8 | 427.4 | 486.3 | 462.3 |
| 72.5° | 532.6 | 436.7 | 403.8 | 396.1 | 422.7 | 399.7 |
| 75° | 506.6 | 426.8 | 375.1 | 352.1 | 349.0 | 345.8 |
| 77.5° | 456.5 | 421.0 | 341.7 | 305.8 | 299.4 | 301.7 |
| 80° | 381.9 | 399.7 | 301.7 | 258.8 | 292.7 | 289.1 |
| 82.5° | 285.4 | 352.8 | 256.1 | 229.1 | 228.4 | 201.8 |
| 85° | 158.6 | 274.9 | 208.6 | 171.7 | 119.5 | 115.8 |
| 87.5° | 44.3 | 152.9 | 146.1 | 97.0 | 66.3 | 68.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)