

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: McGRAW-EDISON

Report Number: P955845

Luminaire Tested: **GALN-SB8C-935-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8C-935-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32151 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

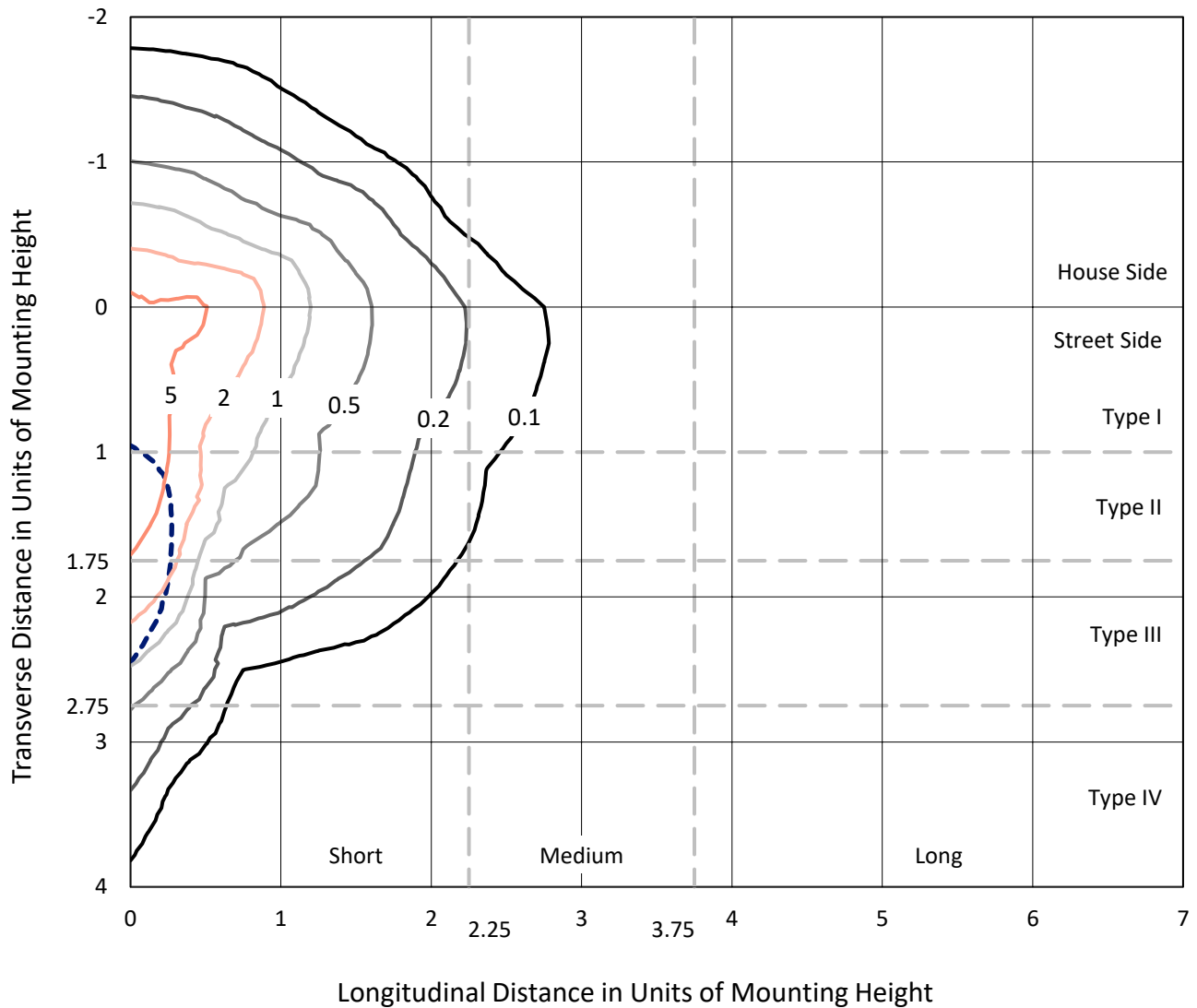
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P955845
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Iso-Footcandle Lines of Horizontal Illumination

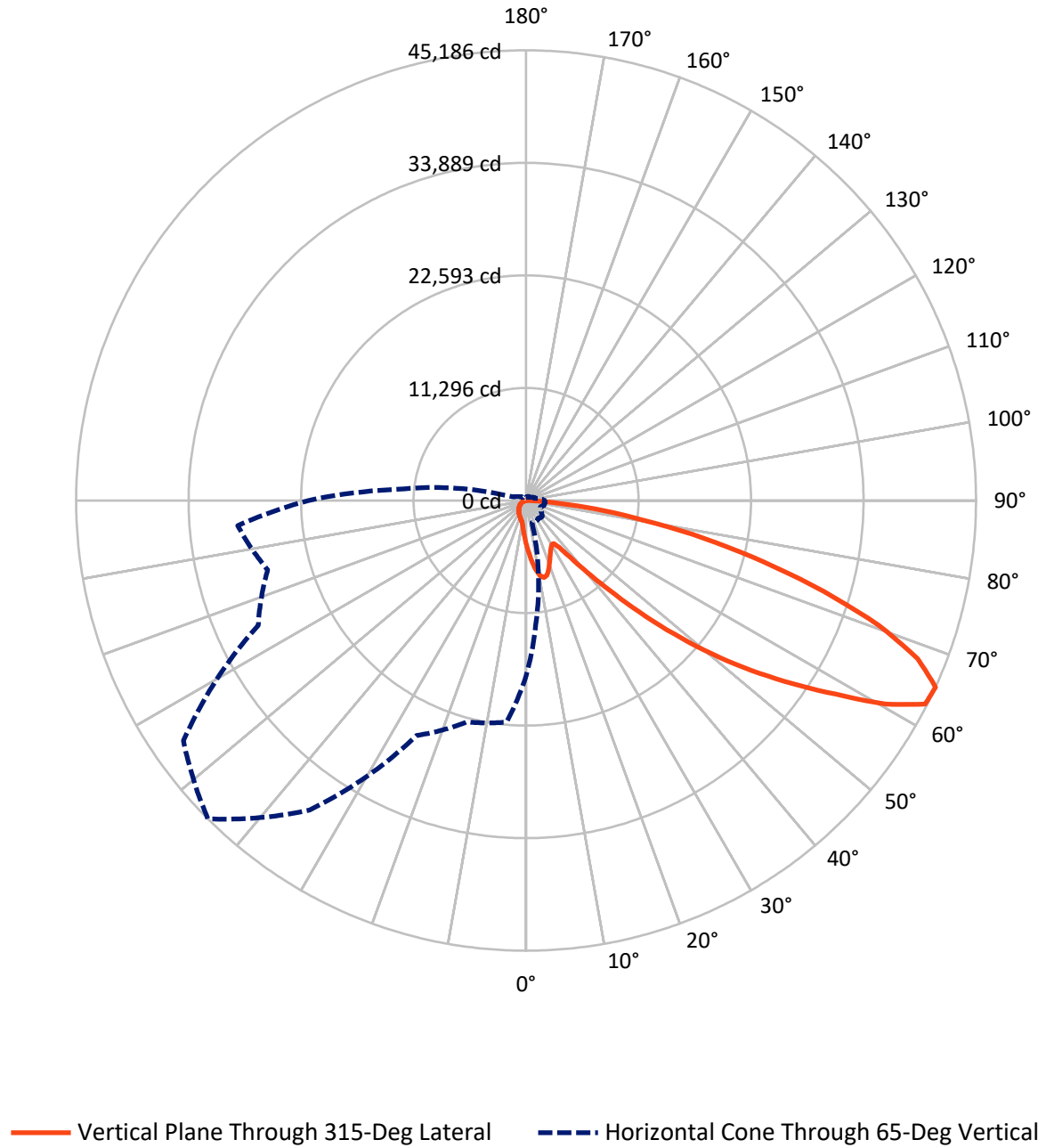
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4502.5 | 0.0 | 4502.5 |
| | % Fixture | 14.0 | 0.0 | 14.0 |
| Street Side | Lumens | 27648.5 | 0.0 | 27648.5 |
| | % Fixture | 86.0 | 0.0 | 86.0 |
| Total | Lumens | 32151.0 | 0.0 | 32151.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 438.3 | 1.4 |
| 10°-20° | 1313.9 | 4.1 |
| 20°-30° | 1935.6 | 6.0 |
| 30°-40° | 2486.8 | 7.7 |
| 40°-50° | 4021.9 | 12.5 |
| 50°-60° | 7052.7 | 21.9 |
| 60°-70° | 8824.9 | 27.4 |
| 70°-80° | 5156.9 | 16.0 |
| 80°-90° | 920.1 | 2.9 |
| 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° | 32151.0 | 100.0 |
| 0°-180° | 32151.0 | 100.0 |

Coefficient of Utilization



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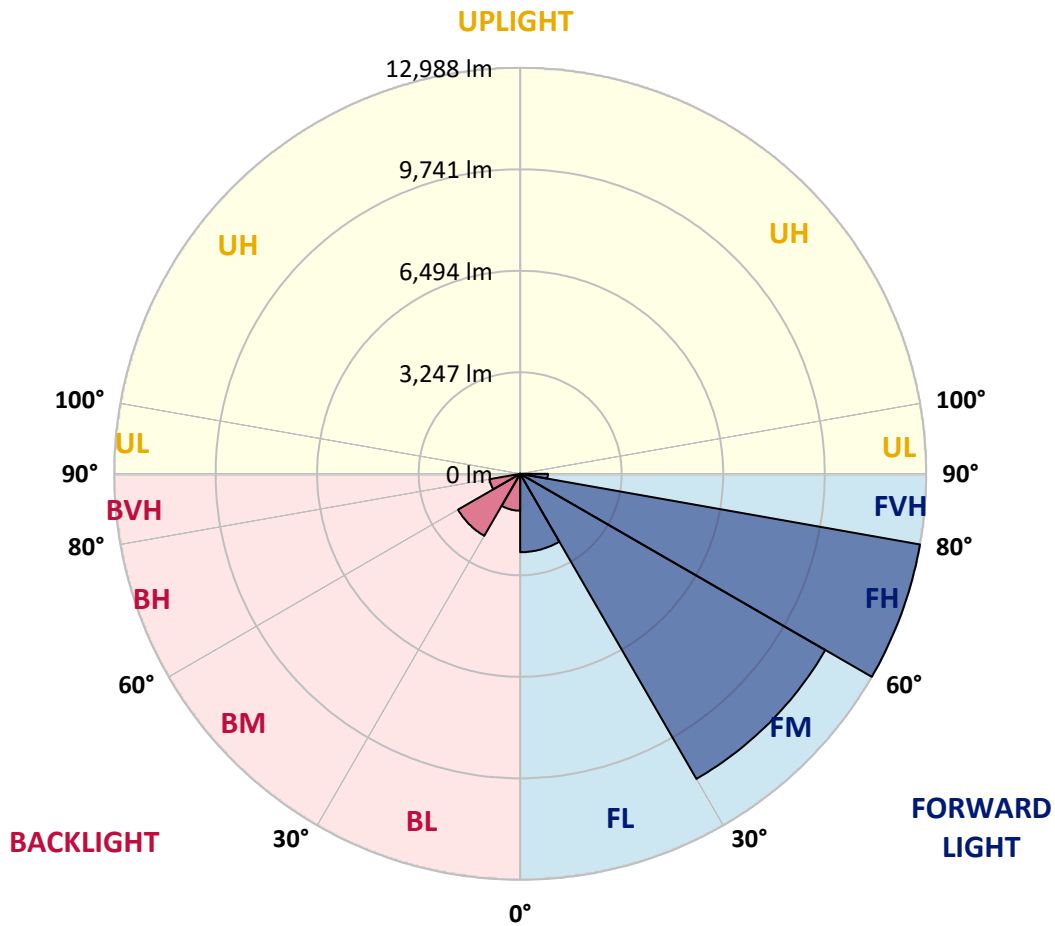
CATALOG NUMBER: GALN-SB8C-935-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2507.7 | 7.8 | | | |
| FM (30°-60°) | 11268.6 | 35.0 | | | |
| FH (60°-80°) | 12987.5 | 40.4 | | | G5 |
| FVH (80°-90°) | 884.7 | 2.8 | | | G5 |
| BL (0°-30°) | 1180.2 | 3.7 | B3/2500 | | |
| BM (30°-60°) | 2292.8 | 7.1 | B2/2500 | | |
| BH (60°-80°) | 994.2 | 3.1 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 35.3 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 |
| 2.5° | 5030.0 | 4943.6 | 4892.6 | 4766.4 | 4640.1 | 4538.3 | 4400.9 | 4310.1 | 4201.6 | 4097.5 |
| 5° | 5605.8 | 5466.3 | 5298.0 | 5067.6 | 4857.2 | 4642.4 | 4434.2 | 4228.2 | 4011.1 | 3811.8 |
| 7.5° | 6093.1 | 5891.5 | 5594.8 | 5289.1 | 5021.1 | 4762.0 | 4518.3 | 4245.9 | 3982.3 | 3670.0 |
| 10° | 6465.2 | 6208.3 | 5818.5 | 5417.6 | 5109.7 | 4848.3 | 4611.4 | 4381.0 | 4115.2 | 3738.7 |
| 12.5° | 6691.1 | 6416.5 | 5953.6 | 5484.0 | 5131.8 | 4839.5 | 4655.7 | 4553.8 | 4449.7 | 4075.4 |
| 15° | 6857.2 | 6560.4 | 6048.8 | 5530.5 | 5080.9 | 4722.1 | 4587.0 | 4688.9 | 4808.5 | 4569.3 |
| 17.5° | 7030.0 | 6717.7 | 6172.8 | 5550.5 | 4943.6 | 4494.0 | 4436.4 | 4699.9 | 4976.8 | 4965.7 |
| 20° | 7193.9 | 6883.8 | 6281.4 | 5537.2 | 4722.1 | 4217.1 | 4268.1 | 4604.7 | 4925.9 | 5061.0 |
| 22.5° | 7382.2 | 7054.4 | 6385.5 | 5486.2 | 4434.2 | 3958.0 | 4117.4 | 4454.1 | 4735.4 | 4894.9 |
| 25° | 7612.5 | 7269.2 | 6531.6 | 5410.9 | 4124.1 | 3743.1 | 3964.6 | 4279.1 | 4507.3 | 4618.0 |
| 27.5° | 7860.6 | 7526.1 | 6726.6 | 5371.1 | 3873.8 | 3590.3 | 3791.9 | 4070.9 | 4274.7 | 4352.2 |
| 30° | 8168.4 | 7825.1 | 6956.9 | 5326.8 | 3709.9 | 3501.7 | 3612.4 | 3829.5 | 4028.8 | 4106.4 |
| 32.5° | 8505.1 | 8157.4 | 7178.4 | 5220.4 | 3610.2 | 3435.3 | 3437.5 | 3574.8 | 3756.4 | 3849.4 |
| 35° | 8925.9 | 8556.0 | 7415.4 | 4987.9 | 3530.5 | 3357.7 | 3266.9 | 3333.4 | 3484.0 | 3594.7 |
| 37.5° | 9526.1 | 9078.7 | 7705.5 | 4655.7 | 3413.1 | 3238.1 | 3087.5 | 3103.0 | 3218.2 | 3340.0 |
| 40° | 10354.5 | 9780.9 | 8046.6 | 4310.1 | 3244.8 | 3069.8 | 2890.4 | 2883.8 | 2967.9 | 3087.5 |
| 42.5° | 11475.2 | 10708.9 | 8456.4 | 3980.1 | 3083.1 | 2866.0 | 2682.2 | 2671.1 | 2737.6 | 2841.7 |
| 45° | 12954.8 | 11896.1 | 8959.1 | 3696.6 | 2956.8 | 2666.7 | 2485.1 | 2480.7 | 2536.0 | 2626.8 |
| 47.5° | 14848.5 | 13546.1 | 9461.9 | 3503.9 | 2890.4 | 2509.4 | 2323.4 | 2332.3 | 2381.0 | 2462.9 |
| 50° | 17300.3 | 15696.8 | 9614.7 | 3406.5 | 2890.4 | 2425.3 | 2179.4 | 2223.7 | 2263.6 | 2325.6 |
| 52.5° | 20239.5 | 17761.0 | 9109.8 | 3317.9 | 2908.1 | 2436.4 | 2057.6 | 2152.9 | 2181.6 | 2234.8 |
| 55° | 22963.8 | 18773.2 | 7831.8 | 3196.1 | 2912.6 | 2505.0 | 1953.5 | 2095.3 | 2148.4 | 2168.4 |
| 57.5° | 24545.2 | 18425.5 | 6332.3 | 2990.1 | 2894.8 | 2551.5 | 1887.1 | 2024.4 | 2126.3 | 2139.6 |
| 60° | 24243.9 | 17205.1 | 4662.3 | 2832.8 | 2764.2 | 2533.8 | 1867.1 | 1915.9 | 2077.5 | 2097.5 |
| 62.5° | 21922.8 | 15158.6 | 3235.9 | 2711.0 | 2476.2 | 2456.3 | 1860.5 | 1745.3 | 1971.2 | 2020.0 |
| 65° | 17621.5 | 11933.7 | 2285.7 | 2334.5 | 2170.6 | 2288.0 | 1825.1 | 1568.1 | 1842.8 | 1909.2 |
| 67.5° | 12784.2 | 8075.4 | 1650.1 | 1891.5 | 1966.8 | 2015.5 | 1745.3 | 1439.7 | 1696.6 | 1785.2 |
| 70° | 8203.9 | 4361.1 | 1158.4 | 1249.2 | 1656.7 | 1712.1 | 1608.0 | 1324.5 | 1548.2 | 1650.1 |
| 72.5° | 5831.7 | 2575.9 | 832.8 | 874.9 | 1331.1 | 1426.4 | 1415.3 | 1196.0 | 1375.4 | 1499.5 |
| 75° | 4024.4 | 1419.7 | 562.6 | 624.6 | 965.7 | 1158.4 | 1091.9 | 1027.7 | 1165.0 | 1291.3 |
| 77.5° | 2522.7 | 635.7 | 336.7 | 434.1 | 633.5 | 910.3 | 748.6 | 795.1 | 908.1 | 1025.5 |
| 80° | 1404.2 | 245.9 | 188.3 | 287.9 | 345.5 | 662.2 | 414.2 | 511.6 | 668.9 | 753.1 |
| 82.5° | 305.7 | 31.0 | 84.2 | 124.0 | 135.1 | 385.4 | 219.3 | 296.8 | 420.8 | 414.2 |
| 85° | 0.0 | 0.0 | 15.5 | 17.7 | 8.9 | 166.1 | 79.7 | 97.5 | 137.3 | 128.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 |
| 90° | 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4451.9 | 0° | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 |
| 4004.5 | 2.5° | 3986.8 | 3878.2 | 3798.5 | 3758.6 | 3725.4 | 3756.4 | 3774.1 | 3774.1 | 3849.4 | 3893.7 |
| 3690.0 | 5° | 3612.4 | 3417.5 | 3269.1 | 3169.5 | 3109.7 | 3129.6 | 3151.8 | 3176.1 | 3271.4 | 3335.6 |
| 3503.9 | 7.5° | 3353.3 | 3054.3 | 2828.4 | 2688.8 | 2615.8 | 2626.8 | 2642.3 | 2662.3 | 2755.3 | 2819.5 |
| 3530.5 | 10° | 3304.6 | 2874.9 | 2556.0 | 2372.1 | 2283.5 | 2268.0 | 2259.2 | 2252.5 | 2307.9 | 2356.6 |
| 3831.7 | 12.5° | 3503.9 | 2883.8 | 2438.6 | 2214.9 | 2106.3 | 2059.8 | 2006.7 | 1964.6 | 1973.4 | 2004.5 |
| 4288.0 | 15° | 3860.5 | 2996.7 | 2400.9 | 2132.9 | 1997.8 | 1920.3 | 1858.3 | 1807.3 | 1796.3 | 1807.3 |
| 4686.7 | 17.5° | 4268.1 | 3149.5 | 2396.5 | 2062.0 | 1893.7 | 1814.0 | 1763.0 | 1716.5 | 1701.0 | 1703.2 |
| 4910.4 | 20° | 4538.3 | 3271.4 | 2383.2 | 1982.3 | 1794.0 | 1723.2 | 1678.9 | 1632.4 | 1616.9 | 1621.3 |
| 4848.3 | 22.5° | 4564.8 | 3335.6 | 2363.3 | 1893.7 | 1694.4 | 1634.6 | 1590.3 | 1548.2 | 1546.0 | 1546.0 |
| 4615.8 | 25° | 4420.9 | 3335.6 | 2321.2 | 1814.0 | 1599.1 | 1546.0 | 1506.1 | 1455.2 | 1464.0 | 1468.5 |
| 4352.2 | 27.5° | 4197.2 | 3255.9 | 2241.4 | 1749.7 | 1517.2 | 1461.8 | 1421.9 | 1375.4 | 1386.5 | 1393.2 |
| 4106.4 | 30° | 3975.7 | 3154.0 | 2146.2 | 1676.7 | 1439.7 | 1375.4 | 1346.6 | 1306.8 | 1311.2 | 1320.1 |
| 3862.7 | 32.5° | 3769.7 | 3045.4 | 2033.2 | 1616.9 | 1362.1 | 1297.9 | 1275.8 | 1231.5 | 1238.1 | 1247.0 |
| 3623.5 | 35° | 3565.9 | 2925.8 | 1900.4 | 1546.0 | 1291.3 | 1227.0 | 1209.3 | 1158.4 | 1162.8 | 1176.1 |
| 3384.3 | 37.5° | 3346.7 | 2799.6 | 1791.8 | 1475.1 | 1222.6 | 1156.2 | 1138.4 | 1085.3 | 1089.7 | 1105.2 |
| 3136.3 | 40° | 3116.3 | 2675.6 | 1685.5 | 1399.8 | 1149.5 | 1083.1 | 1067.6 | 1010.0 | 1014.4 | 1032.1 |
| 2892.6 | 42.5° | 2883.8 | 2540.5 | 1603.6 | 1302.3 | 1074.2 | 1003.3 | 987.8 | 934.7 | 941.3 | 961.3 |
| 2680.0 | 45° | 2668.9 | 2378.8 | 1550.4 | 1193.8 | 1003.3 | 923.6 | 908.1 | 859.4 | 872.7 | 894.8 |
| 2500.6 | 47.5° | 2485.1 | 2212.7 | 1528.3 | 1103.0 | 928.0 | 841.6 | 828.4 | 788.5 | 810.6 | 835.0 |
| 2347.8 | 50° | 2327.8 | 2053.2 | 1499.5 | 1010.0 | 857.2 | 770.8 | 757.5 | 730.9 | 759.7 | 784.1 |
| 2243.7 | 52.5° | 2214.9 | 1871.6 | 1437.4 | 925.8 | 795.1 | 711.0 | 706.5 | 693.3 | 719.8 | 742.0 |
| 2166.1 | 55° | 2117.4 | 1683.3 | 1337.8 | 852.7 | 739.8 | 660.0 | 664.5 | 657.8 | 680.0 | 697.7 |
| 2119.6 | 57.5° | 2028.8 | 1519.4 | 1211.5 | 795.1 | 680.0 | 615.7 | 629.0 | 620.2 | 631.2 | 642.3 |
| 2070.9 | 60° | 1922.5 | 1353.3 | 1060.9 | 730.9 | 609.1 | 571.4 | 586.9 | 562.6 | 560.4 | 564.8 |
| 1982.3 | 62.5° | 1765.2 | 1129.6 | 903.7 | 651.2 | 547.1 | 522.7 | 529.4 | 482.8 | 447.4 | 447.4 |
| 1851.6 | 65° | 1546.0 | 908.1 | 757.5 | 562.6 | 476.2 | 456.3 | 451.8 | 385.4 | 336.7 | 332.2 |
| 1709.9 | 67.5° | 1291.3 | 746.4 | 629.0 | 474.0 | 396.5 | 383.2 | 387.6 | 338.9 | 290.1 | 285.7 |
| 1568.1 | 70° | 1052.1 | 617.9 | 507.2 | 378.7 | 305.7 | 318.9 | 338.9 | 290.1 | 243.6 | 237.0 |
| 1402.0 | 72.5° | 854.9 | 491.7 | 396.5 | 290.1 | 225.9 | 263.6 | 287.9 | 237.0 | 192.7 | 188.3 |
| 1196.0 | 75° | 660.0 | 361.0 | 283.5 | 197.1 | 163.9 | 203.8 | 225.9 | 172.8 | 137.3 | 130.7 |
| 925.8 | 77.5° | 440.8 | 223.7 | 159.5 | 124.0 | 97.5 | 139.5 | 150.6 | 90.8 | 79.7 | 77.5 |
| 673.3 | 80° | 268.0 | 104.1 | 68.7 | 59.8 | 33.2 | 50.9 | 59.8 | 37.7 | 42.1 | 44.3 |
| 358.8 | 82.5° | 135.1 | 28.8 | 11.1 | 2.2 | 0.0 | 0.0 | 17.7 | 8.9 | 17.7 | 22.1 |
| 97.5 | 85° | 11.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 11.1 |
| 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 |

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CANDELA DISTRIBUTION (continued):

| 185° | | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 4451.9 | 0° | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 | 4451.9 |
| 3911.5 | 2.5° | 4035.5 | 4128.5 | 4217.1 | 4358.9 | 4505.0 | 4649.0 | 4795.2 | 4936.9 | 4987.9 | 5025.5 |
| 3377.7 | 5° | 3570.4 | 3745.3 | 3949.1 | 4230.4 | 4531.6 | 4841.7 | 5156.2 | 5444.1 | 5574.8 | 5663.4 |
| 2874.9 | 7.5° | 3089.7 | 3317.9 | 3610.2 | 4033.3 | 4505.0 | 4999.0 | 5492.9 | 5946.9 | 6157.3 | 6327.9 |
| 2400.9 | 10° | 2613.5 | 2861.6 | 3231.5 | 3714.3 | 4352.2 | 5061.0 | 5743.2 | 6367.7 | 6640.2 | 6855.0 |
| 2059.8 | 12.5° | 2194.9 | 2427.5 | 2815.1 | 3348.9 | 4113.0 | 5012.2 | 5887.1 | 6638.0 | 6959.1 | 7200.5 |
| 1816.2 | 15° | 1900.4 | 2064.3 | 2407.6 | 2983.4 | 3829.5 | 4855.0 | 5896.0 | 6766.4 | 7118.6 | 7371.1 |
| 1714.3 | 17.5° | 1736.5 | 1791.8 | 2015.5 | 2611.3 | 3515.0 | 4649.0 | 5814.0 | 6810.7 | 7187.2 | 7422.0 |
| 1623.5 | 20° | 1647.9 | 1656.7 | 1718.7 | 2128.5 | 3111.9 | 4456.3 | 5736.5 | 6855.0 | 7251.5 | 7448.6 |
| 1559.3 | 22.5° | 1577.0 | 1577.0 | 1592.5 | 1740.9 | 2591.4 | 4226.0 | 5712.1 | 6932.5 | 7340.1 | 7461.9 |
| 1486.2 | 25° | 1512.8 | 1512.8 | 1517.2 | 1557.1 | 2053.2 | 3873.8 | 5696.6 | 7052.1 | 7461.9 | 7495.1 |
| 1413.1 | 27.5° | 1446.3 | 1448.5 | 1448.5 | 1470.7 | 1654.5 | 3395.4 | 5630.2 | 7207.2 | 7608.1 | 7539.4 |
| 1342.2 | 30° | 1379.9 | 1384.3 | 1384.3 | 1399.8 | 1464.0 | 2835.0 | 5499.5 | 7393.2 | 7798.6 | 7597.0 |
| 1271.3 | 32.5° | 1313.4 | 1317.8 | 1317.8 | 1331.1 | 1377.6 | 2263.6 | 5335.6 | 7563.8 | 7991.2 | 7621.4 |
| 1202.7 | 35° | 1244.8 | 1251.4 | 1247.0 | 1264.7 | 1313.4 | 1800.7 | 5127.4 | 7734.3 | 8199.4 | 7698.9 |
| 1136.2 | 37.5° | 1176.1 | 1180.5 | 1178.3 | 1196.0 | 1251.4 | 1554.8 | 4886.0 | 7862.8 | 8482.9 | 7871.6 |
| 1065.4 | 40° | 1107.4 | 1105.2 | 1105.2 | 1125.2 | 1185.0 | 1484.0 | 4582.6 | 8066.5 | 8890.5 | 8175.1 |
| 994.5 | 42.5° | 1036.6 | 1036.6 | 1032.1 | 1054.3 | 1127.4 | 1430.8 | 4292.4 | 8432.0 | 9484.1 | 8657.9 |
| 928.0 | 45° | 972.3 | 970.1 | 961.3 | 981.2 | 1072.0 | 1337.8 | 4190.5 | 9114.2 | 10361.2 | 9439.8 |
| 861.6 | 47.5° | 910.3 | 908.1 | 885.9 | 903.7 | 1005.6 | 1253.6 | 4571.5 | 10230.5 | 11577.1 | 10589.3 |
| 808.4 | 50° | 854.9 | 857.2 | 815.1 | 830.6 | 939.1 | 1189.4 | 5397.6 | 11679.0 | 13191.8 | 12137.5 |
| 764.1 | 52.5° | 804.0 | 804.0 | 748.6 | 757.5 | 857.2 | 1131.8 | 6183.9 | 13249.3 | 15322.5 | 14297.0 |
| 717.6 | 55° | 753.1 | 748.6 | 686.6 | 691.0 | 775.2 | 1049.8 | 6301.3 | 14782.0 | 18228.4 | 17546.2 |
| 666.7 | 57.5° | 695.5 | 686.6 | 629.0 | 629.0 | 699.9 | 990.0 | 5461.9 | 15960.3 | 21834.2 | 22321.4 |
| 571.4 | 60° | 624.6 | 617.9 | 580.3 | 569.2 | 640.1 | 1043.2 | 3853.9 | 16097.7 | 24159.8 | 28671.5 |
| 454.0 | 62.5° | 533.8 | 542.6 | 522.7 | 507.2 | 582.5 | 1083.1 | 2283.5 | 14992.4 | 23597.2 | 30691.4 |
| 352.2 | 65° | 420.8 | 456.3 | 451.8 | 440.8 | 640.1 | 912.5 | 1348.9 | 12870.6 | 21871.8 | 29061.3 |
| 307.9 | 67.5° | 358.8 | 383.2 | 376.5 | 376.5 | 671.1 | 693.3 | 848.3 | 10055.5 | 19497.5 | 27127.7 |
| 256.9 | 70° | 305.7 | 330.0 | 305.7 | 305.7 | 507.2 | 420.8 | 586.9 | 7021.1 | 16934.9 | 24988.1 |
| 206.0 | 72.5° | 252.5 | 276.9 | 250.3 | 232.6 | 405.3 | 314.5 | 429.7 | 4387.7 | 14503.0 | 22760.0 |
| 146.2 | 75° | 192.7 | 221.5 | 201.6 | 179.4 | 268.0 | 234.8 | 325.6 | 2549.3 | 12015.7 | 19473.1 |
| 88.6 | 77.5° | 121.8 | 159.5 | 150.6 | 126.2 | 197.1 | 170.5 | 234.8 | 1517.2 | 9271.4 | 15216.1 |
| 53.2 | 80° | 75.3 | 82.0 | 84.2 | 79.7 | 113.0 | 115.2 | 159.5 | 863.8 | 6345.6 | 10604.8 |
| 33.2 | 82.5° | 48.7 | 48.7 | 37.7 | 42.1 | 55.4 | 66.4 | 90.8 | 325.6 | 3729.8 | 6456.3 |
| 19.9 | 85° | 35.4 | 31.0 | 19.9 | 19.9 | 26.6 | 33.2 | 35.4 | 99.7 | 1512.8 | 2549.3 |
| 8.9 | 87.5° | 17.7 | 15.5 | 6.6 | 8.9 | 13.3 | 11.1 | 8.9 | 4.4 | 381.0 | 815.1 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| 7293.6 | 22.5° | 6697.8 | 6239.3 | 6141.8 | 6469.6 | 7096.4 | 7641.3 | 7561.6 | 7382.2 |
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| 6781.9 | 27.5° | 5880.5 | 5435.3 | 5344.5 | 5650.1 | 6405.4 | 7539.4 | 7969.1 | 7860.6 |
| 6533.9 | 30° | 5592.5 | 5180.6 | 5114.1 | 5408.7 | 6113.0 | 7446.4 | 8228.2 | 8168.4 |
| 6303.5 | 32.5° | 5424.2 | 5123.0 | 5147.4 | 5388.8 | 5955.8 | 7344.5 | 8476.3 | 8505.1 |
| 6190.6 | 35° | 5590.3 | 5603.6 | 5816.2 | 5915.9 | 6102.0 | 7329.0 | 8813.0 | 8925.9 |
| 6325.7 | 37.5° | 6416.5 | 6877.2 | 7317.9 | 7236.0 | 6817.4 | 7508.4 | 9315.7 | 9526.1 |
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| 11532.8 | 50° | 15357.9 | 21541.8 | 24224.0 | 20186.3 | 14837.4 | 13654.7 | 17384.5 | 17300.3 |
| 12841.8 | 52.5° | 17349.1 | 25557.4 | 28321.5 | 23196.3 | 16241.6 | 15834.1 | 20412.2 | 20239.5 |
| 14631.4 | 55° | 19249.4 | 29570.7 | 32443.4 | 26088.9 | 17566.1 | 18713.4 | 24009.2 | 22963.8 |
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| 23995.9 | 67.5° | 27535.2 | 40277.4 | 42430.2 | 35980.5 | 23016.9 | 17778.7 | 16755.5 | 12784.2 |
| 22113.2 | 70° | 25129.9 | 36988.3 | 37628.4 | 32678.2 | 20243.9 | 13076.6 | 11315.8 | 8203.9 |
| 20824.2 | 72.5° | 22664.7 | 32600.6 | 31276.2 | 28379.1 | 17792.0 | 9521.7 | 8161.8 | 5831.7 |
| 18988.1 | 75° | 19736.7 | 26830.9 | 24636.0 | 23579.5 | 14731.1 | 7473.0 | 5904.8 | 4024.4 |
| 16332.4 | 77.5° | 15805.3 | 18886.2 | 18299.2 | 18277.1 | 11069.9 | 5459.6 | 3940.3 | 2522.7 |
| 12759.9 | 80° | 11149.6 | 12257.1 | 11958.1 | 13765.4 | 7426.5 | 3960.2 | 2372.1 | 1404.2 |
| 8881.6 | 82.5° | 5397.6 | 6777.5 | 6956.9 | 8197.2 | 3612.4 | 2330.0 | 547.1 | 305.7 |
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| 571.4 | 87.5° | 237.0 | 378.7 | 347.7 | 274.6 | 124.0 | 26.6 | 0.0 | 0.0 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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