

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: P954081

Luminaire Tested: **GALN-SB7B-940-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954081
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-SB7B-940-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 450mA 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: 22147 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

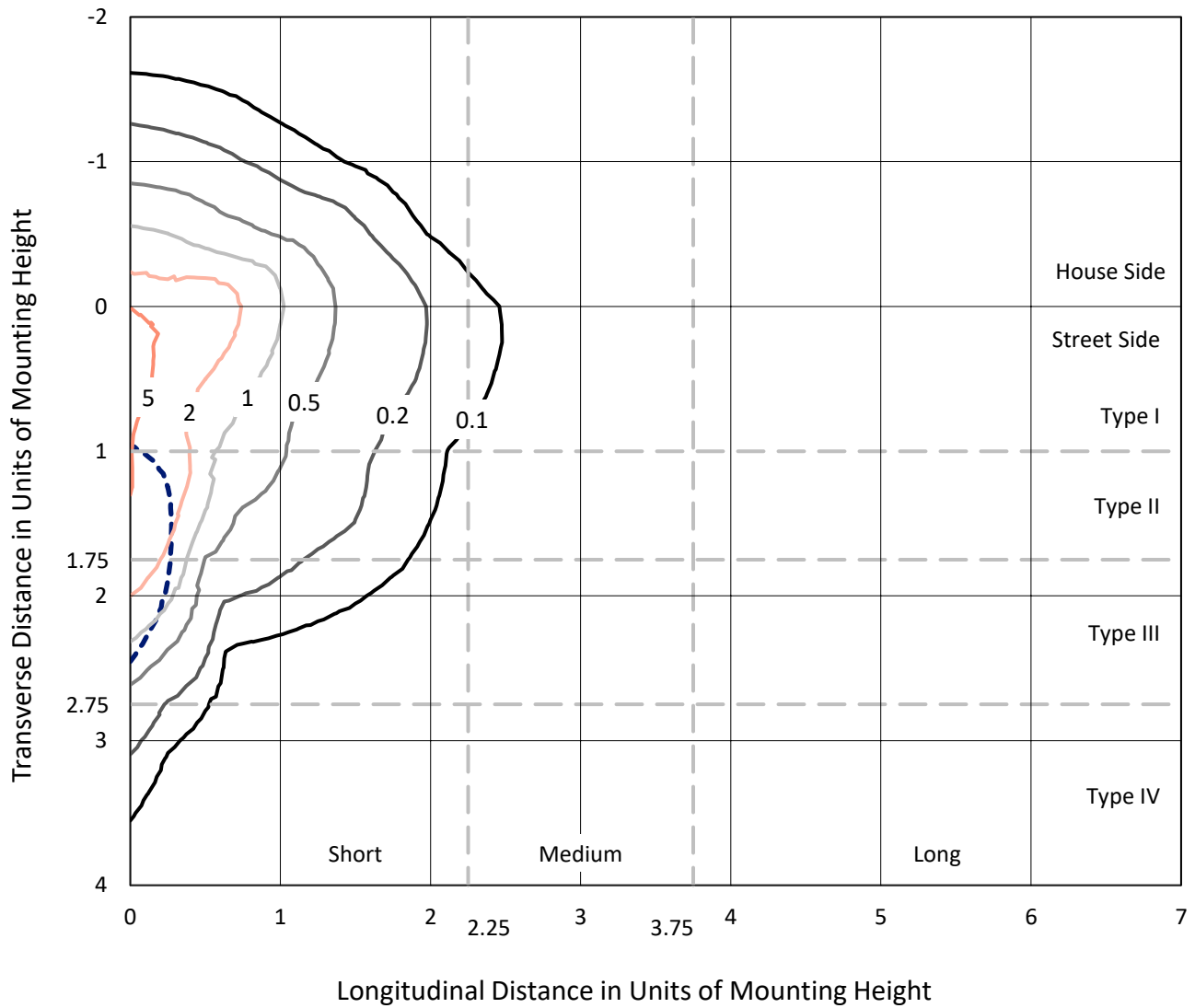
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P954081
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Iso-Footcandle Lines of Horizontal Illumination

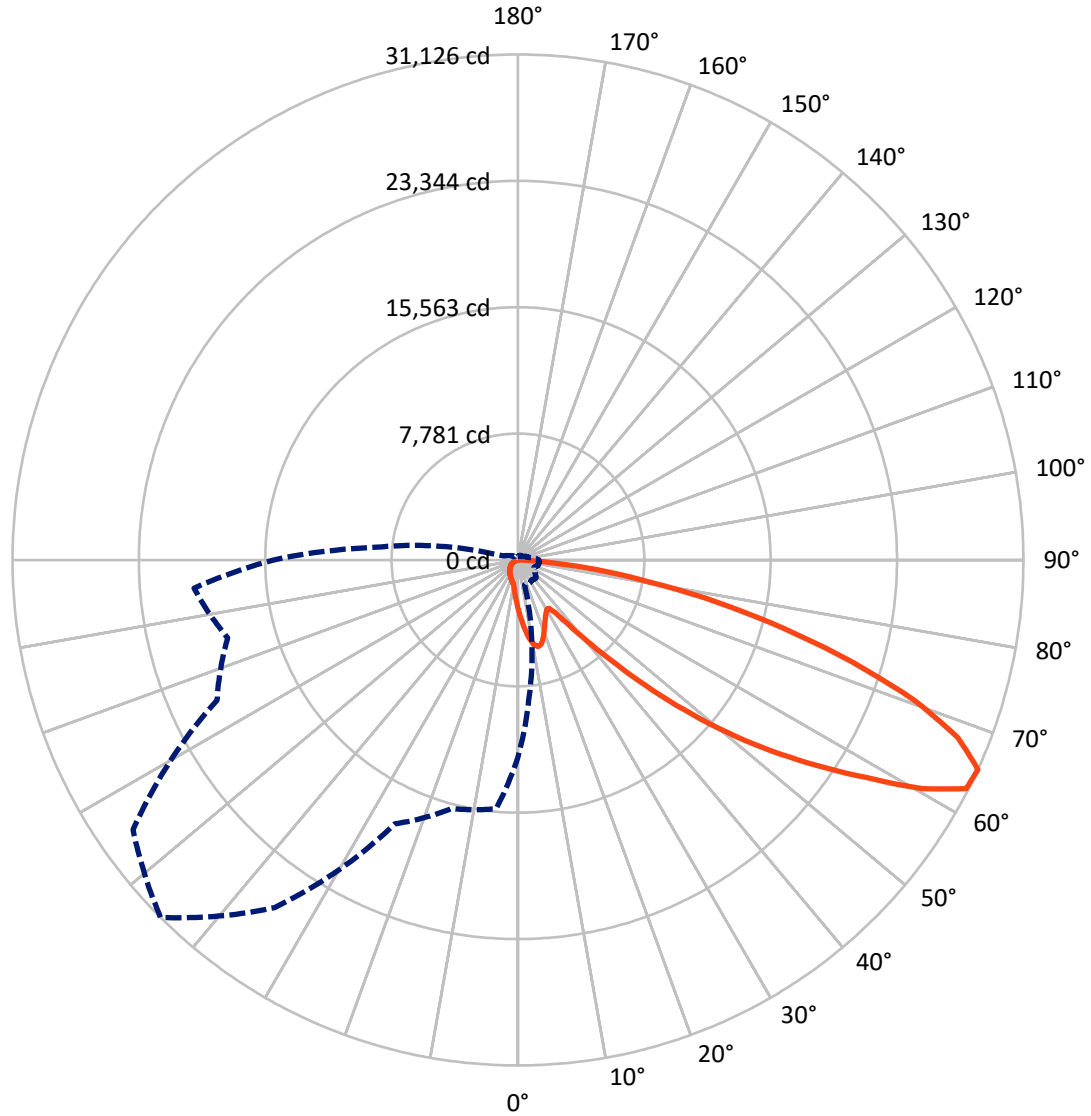
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P954081
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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3101.5 | 0.0 | 3101.5 |
| | % Fixture | 14.0 | 0.0 | 14.0 |
| Street Side | Lumens | 19045.5 | 0.0 | 19045.5 |
| | % Fixture | 86.0 | 0.0 | 86.0 |
| Total | Lumens | 22147.0 | 0.0 | 22147.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 301.9 | 1.4 |
| 10°-20° | 905.1 | 4.1 |
| 20°-30° | 1333.4 | 6.0 |
| 30°-40° | 1713.0 | 7.7 |
| 40°-50° | 2770.4 | 12.5 |
| 50°-60° | 4858.2 | 21.9 |
| 60°-70° | 6079.0 | 27.4 |
| 70°-80° | 3552.3 | 16.0 |
| 80°-90° | 633.8 | 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° | 22147.0 | 100.0 |
| 0°-180° | 22147.0 | 100.0 |

Coefficient of Utilization



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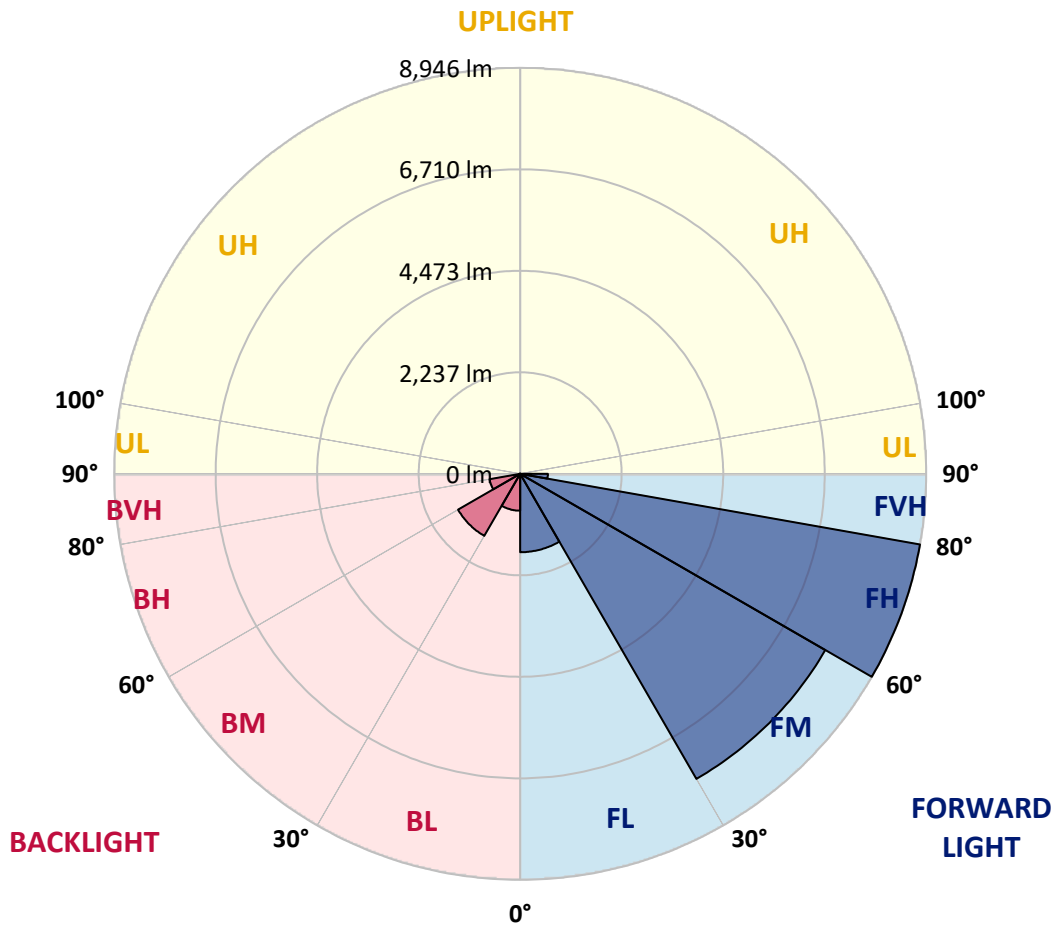
CATALOG NUMBER: GALN-SB7B-940-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1727.4 | 7.8 | | | |
| FM (30°-60°) | 7762.3 | 35.0 | | | |
| FH (60°-80°) | 8946.4 | 40.4 | | | G4/12000 |
| FVH (80°-90°) | 609.4 | 2.8 | | | G4/750 |
| BL (0°-30°) | 813.0 | 3.7 | B2/1000 | | |
| BM (30°-60°) | 1579.4 | 7.1 | B2/2500 | | |
| BH (60°-80°) | 684.8 | 3.1 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 24.3 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 |
| 2.5° | 3464.9 | 3405.4 | 3370.3 | 3283.3 | 3196.3 | 3126.2 | 3031.6 | 2969.0 | 2894.2 | 2822.5 |
| 5° | 3861.5 | 3765.4 | 3649.5 | 3490.8 | 3345.9 | 3197.9 | 3054.4 | 2912.6 | 2763.0 | 2625.7 |
| 7.5° | 4197.2 | 4058.4 | 3853.9 | 3643.4 | 3458.8 | 3280.2 | 3112.4 | 2924.8 | 2743.2 | 2528.1 |
| 10° | 4453.5 | 4276.5 | 4008.0 | 3731.9 | 3519.8 | 3339.8 | 3176.5 | 3017.8 | 2834.7 | 2575.4 |
| 12.5° | 4609.1 | 4419.9 | 4101.1 | 3777.6 | 3535.0 | 3333.6 | 3207.0 | 3136.8 | 3065.1 | 2807.3 |
| 15° | 4723.6 | 4519.1 | 4166.7 | 3809.7 | 3499.9 | 3252.8 | 3159.7 | 3229.9 | 3312.3 | 3147.5 |
| 17.5° | 4842.6 | 4627.4 | 4252.1 | 3823.4 | 3405.4 | 3095.6 | 3056.0 | 3237.5 | 3428.2 | 3420.6 |
| 20° | 4955.5 | 4741.9 | 4326.9 | 3814.2 | 3252.8 | 2904.9 | 2940.0 | 3171.9 | 3393.1 | 3486.2 |
| 22.5° | 5085.1 | 4859.3 | 4398.6 | 3779.2 | 3054.4 | 2726.4 | 2836.3 | 3068.2 | 3261.9 | 3371.8 |
| 25° | 5243.8 | 5007.3 | 4499.3 | 3727.3 | 2840.8 | 2578.4 | 2731.0 | 2947.6 | 3104.8 | 3181.1 |
| 27.5° | 5414.7 | 5184.3 | 4633.5 | 3699.8 | 2668.4 | 2473.2 | 2612.0 | 2804.2 | 2944.6 | 2998.0 |
| 30° | 5626.8 | 5390.3 | 4792.2 | 3669.3 | 2555.5 | 2412.1 | 2488.4 | 2637.9 | 2775.2 | 2828.6 |
| 32.5° | 5858.7 | 5619.1 | 4944.8 | 3596.1 | 2486.9 | 2366.4 | 2367.9 | 2462.5 | 2587.6 | 2651.7 |
| 35° | 6148.6 | 5893.8 | 5108.0 | 3435.9 | 2432.0 | 2313.0 | 2250.4 | 2296.2 | 2399.9 | 2476.2 |
| 37.5° | 6562.0 | 6253.8 | 5307.9 | 3207.0 | 2351.1 | 2230.6 | 2126.8 | 2137.5 | 2216.8 | 2300.8 |
| 40° | 7132.6 | 6737.5 | 5542.9 | 2969.0 | 2235.1 | 2114.6 | 1991.0 | 1986.5 | 2044.4 | 2126.8 |
| 42.5° | 7904.6 | 7376.7 | 5825.1 | 2741.7 | 2123.8 | 1974.3 | 1847.6 | 1840.0 | 1885.8 | 1957.5 |
| 45° | 8923.8 | 8194.5 | 6171.4 | 2546.4 | 2036.8 | 1836.9 | 1711.8 | 1708.8 | 1746.9 | 1809.5 |
| 47.5° | 10228.3 | 9331.2 | 6517.8 | 2413.7 | 1991.0 | 1728.6 | 1600.5 | 1606.6 | 1640.1 | 1696.6 |
| 50° | 11917.2 | 10812.6 | 6623.1 | 2346.5 | 1991.0 | 1670.6 | 1501.3 | 1531.8 | 1559.3 | 1602.0 |
| 52.5° | 13941.8 | 12234.6 | 6275.2 | 2285.5 | 2003.2 | 1678.3 | 1417.4 | 1483.0 | 1502.8 | 1539.4 |
| 55° | 15818.4 | 12931.8 | 5394.9 | 2201.6 | 2006.3 | 1725.6 | 1345.7 | 1443.3 | 1479.9 | 1493.7 |
| 57.5° | 16907.8 | 12692.3 | 4362.0 | 2059.7 | 1994.1 | 1757.6 | 1299.9 | 1394.5 | 1464.7 | 1473.8 |
| 60° | 16700.3 | 11851.6 | 3211.6 | 1951.4 | 1904.1 | 1745.4 | 1286.2 | 1319.7 | 1431.1 | 1444.8 |
| 62.5° | 15101.3 | 10441.9 | 2229.0 | 1867.5 | 1705.7 | 1692.0 | 1281.6 | 1202.2 | 1357.9 | 1391.4 |
| 65° | 12138.4 | 8220.5 | 1574.5 | 1608.1 | 1495.2 | 1576.0 | 1257.2 | 1080.2 | 1269.4 | 1315.2 |
| 67.5° | 8806.3 | 5562.7 | 1136.6 | 1302.9 | 1354.8 | 1388.4 | 1202.2 | 991.7 | 1168.7 | 1229.7 |
| 70° | 5651.2 | 3004.1 | 797.9 | 860.5 | 1141.2 | 1179.4 | 1107.7 | 912.4 | 1066.5 | 1136.6 |
| 72.5° | 4017.2 | 1774.4 | 573.7 | 602.7 | 916.9 | 982.5 | 974.9 | 823.9 | 947.5 | 1032.9 |
| 75° | 2772.2 | 978.0 | 387.5 | 430.2 | 665.2 | 797.9 | 752.2 | 707.9 | 802.5 | 889.5 |
| 77.5° | 1737.8 | 437.9 | 231.9 | 299.0 | 436.3 | 627.1 | 515.7 | 547.7 | 625.5 | 706.4 |
| 80° | 967.3 | 169.4 | 129.7 | 198.3 | 238.0 | 456.2 | 285.3 | 352.4 | 460.8 | 518.7 |
| 82.5° | 210.5 | 21.4 | 58.0 | 85.4 | 93.1 | 265.5 | 151.0 | 204.4 | 289.9 | 285.3 |
| 85° | 0.0 | 0.0 | 10.7 | 12.2 | 6.1 | 114.4 | 54.9 | 67.1 | 94.6 | 88.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 |
| 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3066.7 | 0° | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 |
| 2758.5 | 2.5° | 2746.3 | 2671.5 | 2616.6 | 2589.1 | 2566.2 | 2587.6 | 2599.8 | 2599.8 | 2651.7 | 2682.2 |
| 2541.8 | 5° | 2488.4 | 2354.2 | 2251.9 | 2183.3 | 2142.1 | 2155.8 | 2171.1 | 2187.8 | 2253.5 | 2297.7 |
| 2413.7 | 7.5° | 2309.9 | 2103.9 | 1948.3 | 1852.2 | 1801.8 | 1809.5 | 1820.2 | 1833.9 | 1898.0 | 1942.2 |
| 2432.0 | 10° | 2276.3 | 1980.4 | 1760.7 | 1634.0 | 1573.0 | 1562.3 | 1556.2 | 1551.6 | 1589.8 | 1623.3 |
| 2639.5 | 12.5° | 2413.7 | 1986.5 | 1679.8 | 1525.7 | 1450.9 | 1418.9 | 1382.3 | 1353.3 | 1359.4 | 1380.8 |
| 2953.7 | 15° | 2659.3 | 2064.3 | 1653.9 | 1469.2 | 1376.2 | 1322.8 | 1280.1 | 1245.0 | 1237.3 | 1245.0 |
| 3228.4 | 17.5° | 2940.0 | 2169.5 | 1650.8 | 1420.4 | 1304.5 | 1249.5 | 1214.5 | 1182.4 | 1171.7 | 1173.3 |
| 3382.5 | 20° | 3126.2 | 2253.5 | 1641.6 | 1365.5 | 1235.8 | 1187.0 | 1156.5 | 1124.4 | 1113.8 | 1116.8 |
| 3339.8 | 22.5° | 3144.5 | 2297.7 | 1627.9 | 1304.5 | 1167.2 | 1126.0 | 1095.5 | 1066.5 | 1064.9 | 1064.9 |
| 3179.6 | 25° | 3045.3 | 2297.7 | 1598.9 | 1249.5 | 1101.6 | 1064.9 | 1037.5 | 1002.4 | 1008.5 | 1011.5 |
| 2998.0 | 27.5° | 2891.2 | 2242.8 | 1544.0 | 1205.3 | 1045.1 | 1007.0 | 979.5 | 947.5 | 955.1 | 959.7 |
| 2828.6 | 30° | 2738.6 | 2172.6 | 1478.4 | 1155.0 | 991.7 | 947.5 | 927.6 | 900.2 | 903.2 | 909.3 |
| 2660.8 | 32.5° | 2596.7 | 2097.8 | 1400.6 | 1113.8 | 938.3 | 894.1 | 878.8 | 848.3 | 852.9 | 859.0 |
| 2496.0 | 35° | 2456.4 | 2015.4 | 1309.0 | 1064.9 | 889.5 | 845.2 | 833.0 | 797.9 | 801.0 | 810.1 |
| 2331.3 | 37.5° | 2305.3 | 1928.5 | 1234.3 | 1016.1 | 842.2 | 796.4 | 784.2 | 747.6 | 750.6 | 761.3 |
| 2160.4 | 40° | 2146.7 | 1843.0 | 1161.1 | 964.2 | 791.8 | 746.1 | 735.4 | 695.7 | 698.8 | 711.0 |
| 1992.6 | 42.5° | 1986.5 | 1750.0 | 1104.6 | 897.1 | 740.0 | 691.1 | 680.5 | 643.8 | 648.4 | 662.2 |
| 1846.1 | 45° | 1838.5 | 1638.6 | 1068.0 | 822.4 | 691.1 | 636.2 | 625.5 | 592.0 | 601.1 | 616.4 |
| 1722.5 | 47.5° | 1711.8 | 1524.2 | 1052.7 | 759.8 | 639.3 | 579.8 | 570.6 | 543.1 | 558.4 | 575.2 |
| 1617.2 | 50° | 1603.5 | 1414.3 | 1032.9 | 695.7 | 590.4 | 530.9 | 521.8 | 503.5 | 523.3 | 540.1 |
| 1545.5 | 52.5° | 1525.7 | 1289.2 | 990.2 | 637.7 | 547.7 | 489.7 | 486.7 | 477.5 | 495.9 | 511.1 |
| 1492.1 | 55° | 1458.6 | 1159.5 | 921.5 | 587.4 | 509.6 | 454.7 | 457.7 | 453.1 | 468.4 | 480.6 |
| 1460.1 | 57.5° | 1397.5 | 1046.6 | 834.6 | 547.7 | 468.4 | 424.1 | 433.3 | 427.2 | 434.8 | 442.5 |
| 1426.5 | 60° | 1324.3 | 932.2 | 730.8 | 503.5 | 419.6 | 393.6 | 404.3 | 387.5 | 386.0 | 389.1 |
| 1365.5 | 62.5° | 1216.0 | 778.1 | 622.5 | 448.6 | 376.8 | 360.1 | 364.6 | 332.6 | 308.2 | 308.2 |
| 1275.5 | 65° | 1064.9 | 625.5 | 521.8 | 387.5 | 328.0 | 314.3 | 311.2 | 265.5 | 231.9 | 228.9 |
| 1177.8 | 67.5° | 889.5 | 514.2 | 433.3 | 326.5 | 273.1 | 263.9 | 267.0 | 233.4 | 199.9 | 196.8 |
| 1080.2 | 70° | 724.7 | 425.7 | 349.4 | 260.9 | 210.5 | 219.7 | 233.4 | 199.9 | 167.8 | 163.2 |
| 965.8 | 72.5° | 588.9 | 338.7 | 273.1 | 199.9 | 155.6 | 181.6 | 198.3 | 163.2 | 132.7 | 129.7 |
| 823.9 | 75° | 454.7 | 248.7 | 195.3 | 135.8 | 112.9 | 140.4 | 155.6 | 119.0 | 94.6 | 90.0 |
| 637.7 | 77.5° | 303.6 | 154.1 | 109.9 | 85.4 | 67.1 | 96.1 | 103.7 | 62.6 | 54.9 | 53.4 |
| 463.8 | 80° | 184.6 | 71.7 | 47.3 | 41.2 | 22.9 | 35.1 | 41.2 | 25.9 | 29.0 | 30.5 |
| 247.2 | 82.5° | 93.1 | 19.8 | 7.6 | 1.5 | 0.0 | 0.0 | 12.2 | 6.1 | 12.2 | 15.3 |
| 67.1 | 85° | 7.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 7.6 |
| 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 3066.7 | 0° | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 | 3066.7 |
| 2694.4 | 2.5° | 2779.8 | 2843.9 | 2904.9 | 3002.6 | 3103.3 | 3202.4 | 3303.1 | 3400.8 | 3435.9 | 3461.8 |
| 2326.7 | 5° | 2459.4 | 2580.0 | 2720.3 | 2914.1 | 3121.6 | 3335.2 | 3551.8 | 3750.2 | 3840.2 | 3901.2 |
| 1980.4 | 7.5° | 2128.3 | 2285.5 | 2486.9 | 2778.3 | 3103.3 | 3443.5 | 3783.7 | 4096.5 | 4241.4 | 4358.9 |
| 1653.9 | 10° | 1800.3 | 1971.2 | 2226.0 | 2558.6 | 2998.0 | 3486.2 | 3956.1 | 4386.4 | 4574.0 | 4722.0 |
| 1418.9 | 12.5° | 1512.0 | 1672.2 | 1939.2 | 2306.9 | 2833.2 | 3452.7 | 4055.3 | 4572.5 | 4793.7 | 4960.0 |
| 1251.1 | 15° | 1309.0 | 1421.9 | 1658.4 | 2055.1 | 2637.9 | 3344.3 | 4061.4 | 4661.0 | 4903.6 | 5077.5 |
| 1180.9 | 17.5° | 1196.1 | 1234.3 | 1388.4 | 1798.8 | 2421.3 | 3202.4 | 4005.0 | 4691.5 | 4950.9 | 5112.6 |
| 1118.3 | 20° | 1135.1 | 1141.2 | 1183.9 | 1466.2 | 2143.6 | 3069.7 | 3951.6 | 4722.0 | 4995.1 | 5130.9 |
| 1074.1 | 22.5° | 1086.3 | 1086.3 | 1097.0 | 1199.2 | 1785.1 | 2911.0 | 3934.8 | 4775.4 | 5056.2 | 5140.1 |
| 1023.7 | 25° | 1042.1 | 1042.1 | 1045.1 | 1072.6 | 1414.3 | 2668.4 | 3924.1 | 4857.8 | 5140.1 | 5163.0 |
| 973.4 | 27.5° | 996.3 | 997.8 | 997.8 | 1013.1 | 1139.7 | 2338.9 | 3878.3 | 4964.6 | 5240.8 | 5193.5 |
| 924.6 | 30° | 950.5 | 953.6 | 953.6 | 964.2 | 1008.5 | 1952.9 | 3788.3 | 5092.8 | 5372.0 | 5233.1 |
| 875.8 | 32.5° | 904.7 | 907.8 | 907.8 | 916.9 | 949.0 | 1559.3 | 3675.4 | 5210.3 | 5504.7 | 5249.9 |
| 828.5 | 35° | 857.4 | 862.0 | 859.0 | 871.2 | 904.7 | 1240.4 | 3532.0 | 5327.7 | 5648.1 | 5303.3 |
| 782.7 | 37.5° | 810.1 | 813.2 | 811.7 | 823.9 | 862.0 | 1071.0 | 3365.7 | 5416.2 | 5843.4 | 5422.3 |
| 733.9 | 40° | 762.8 | 761.3 | 761.3 | 775.1 | 816.2 | 1022.2 | 3156.7 | 5556.6 | 6124.1 | 5631.3 |
| 685.0 | 42.5° | 714.0 | 714.0 | 711.0 | 726.2 | 776.6 | 985.6 | 2956.8 | 5808.3 | 6533.0 | 5963.9 |
| 639.3 | 45° | 669.8 | 668.3 | 662.2 | 675.9 | 738.4 | 921.5 | 2886.6 | 6278.2 | 7137.2 | 6502.5 |
| 593.5 | 47.5° | 627.1 | 625.5 | 610.3 | 622.5 | 692.7 | 863.5 | 3149.0 | 7047.2 | 7974.8 | 7294.4 |
| 556.9 | 50° | 588.9 | 590.4 | 561.5 | 572.1 | 646.9 | 819.3 | 3718.1 | 8045.0 | 9087.1 | 8360.8 |
| 526.4 | 52.5° | 553.8 | 553.8 | 515.7 | 521.8 | 590.4 | 779.6 | 4259.7 | 9126.7 | 10554.8 | 9848.4 |
| 494.3 | 55° | 518.7 | 515.7 | 473.0 | 476.0 | 534.0 | 723.2 | 4340.6 | 10182.5 | 12556.5 | 12086.6 |
| 459.2 | 57.5° | 479.1 | 473.0 | 433.3 | 433.3 | 482.1 | 682.0 | 3762.4 | 10994.2 | 15040.3 | 15376.0 |
| 393.6 | 60° | 430.2 | 425.7 | 399.7 | 392.1 | 440.9 | 718.6 | 2654.7 | 11088.8 | 16642.3 | 19750.1 |
| 312.8 | 62.5° | 367.7 | 373.8 | 360.1 | 349.4 | 401.3 | 746.1 | 1573.0 | 10327.4 | 16254.8 | 21141.6 |
| 242.6 | 65° | 289.9 | 314.3 | 311.2 | 303.6 | 440.9 | 628.6 | 929.1 | 8865.8 | 15066.3 | 20018.7 |
| 212.1 | 67.5° | 247.2 | 263.9 | 259.4 | 259.4 | 462.3 | 477.5 | 584.3 | 6926.7 | 13430.7 | 18686.7 |
| 177.0 | 70° | 210.5 | 227.3 | 210.5 | 210.5 | 349.4 | 289.9 | 404.3 | 4836.5 | 11665.5 | 17212.9 |
| 141.9 | 72.5° | 173.9 | 190.7 | 172.4 | 160.2 | 279.2 | 216.6 | 296.0 | 3022.4 | 9990.3 | 15678.1 |
| 100.7 | 75° | 132.7 | 152.6 | 138.8 | 123.6 | 184.6 | 161.7 | 224.3 | 1756.1 | 8276.9 | 13413.9 |
| 61.0 | 77.5° | 83.9 | 109.9 | 103.7 | 87.0 | 135.8 | 117.5 | 161.7 | 1045.1 | 6386.6 | 10481.5 |
| 36.6 | 80° | 51.9 | 56.5 | 58.0 | 54.9 | 77.8 | 79.3 | 109.9 | 595.0 | 4371.1 | 7305.0 |
| 22.9 | 82.5° | 33.6 | 33.6 | 25.9 | 29.0 | 38.1 | 45.8 | 62.6 | 224.3 | 2569.3 | 4447.4 |
| 13.7 | 85° | 24.4 | 21.4 | 13.7 | 13.7 | 18.3 | 22.9 | 24.4 | 68.7 | 1042.1 | 1756.1 |
| 6.1 | 87.5° | 12.2 | 10.7 | 4.6 | 6.1 | 9.2 | 7.6 | 6.1 | 3.1 | 262.4 | 561.5 |
| 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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| 4500.8 | 30° | 3852.4 | 3568.6 | 3522.8 | 3725.8 | 4210.9 | 5129.4 | 5668.0 | 5626.8 |
| 4342.1 | 32.5° | 3736.4 | 3528.9 | 3545.7 | 3712.0 | 4102.6 | 5059.2 | 5838.8 | 5858.7 |
| 4264.3 | 35° | 3850.9 | 3860.0 | 4006.5 | 4075.1 | 4203.3 | 5048.5 | 6070.7 | 6148.6 |
| 4357.4 | 37.5° | 4419.9 | 4737.3 | 5040.9 | 4984.5 | 4696.1 | 5172.1 | 6417.1 | 6562.0 |
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| 10078.8 | 55° | 13259.8 | 20369.6 | 22348.4 | 17971.2 | 12100.3 | 12890.6 | 16538.6 | 15818.4 |
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| 16529.4 | 67.5° | 18967.5 | 27744.8 | 29227.8 | 24784.9 | 15855.0 | 12246.8 | 11541.9 | 8806.3 |
| 15232.6 | 70° | 17310.6 | 25479.1 | 25920.1 | 22510.1 | 13944.9 | 9007.7 | 7794.8 | 5651.2 |
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| 8789.5 | 80° | 7680.4 | 8443.2 | 8237.2 | 9482.2 | 5115.7 | 2727.9 | 1634.0 | 967.3 |
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| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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