

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: P950824

Luminaire Tested: **GALN-SB5A-930-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950824
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-SB5A-930-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12030 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

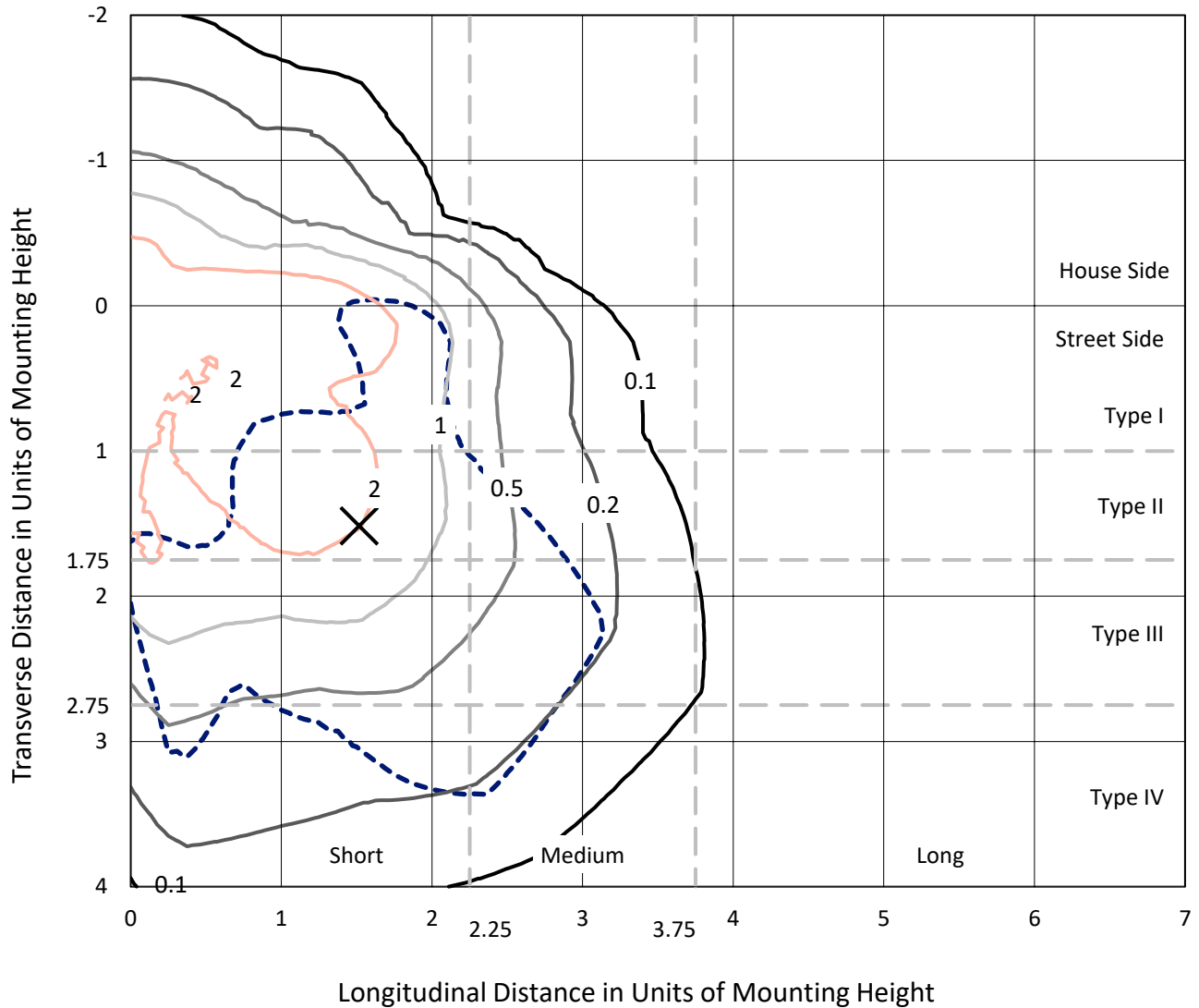
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P950824
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Iso-Footcandle Lines of Horizontal Illumination

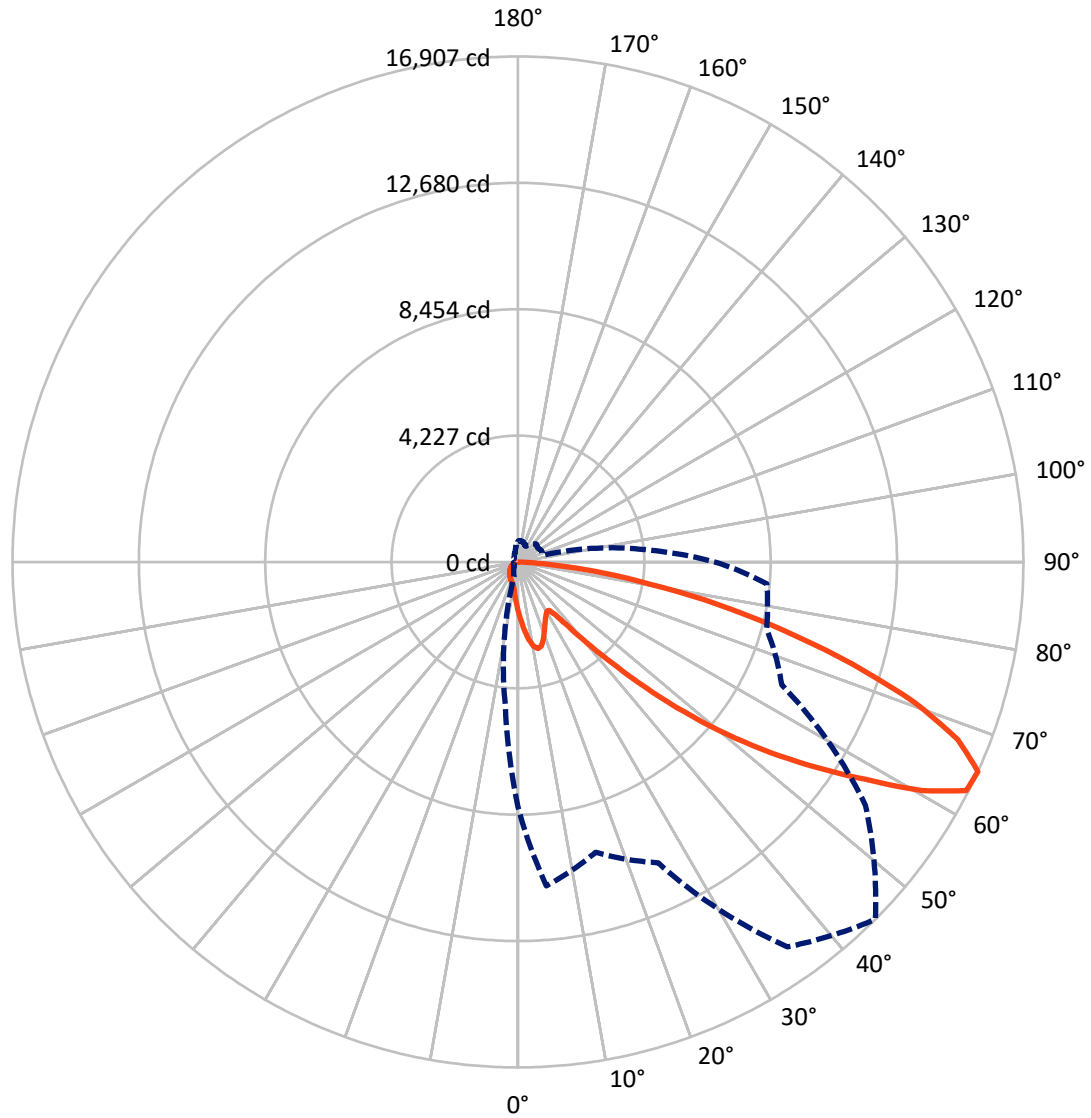
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P950824
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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2391.2 | 0.0 | 2391.2 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| Street Side | Lumens | 9638.8 | 0.0 | 9638.8 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| Total | Lumens | 12030.0 | 0.0 | 12030.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 164.0 | 1.4 |
| 10°-20° | 491.6 | 4.1 |
| 20°-30° | 724.3 | 6.0 |
| 30°-40° | 930.5 | 7.7 |
| 40°-50° | 1504.9 | 12.5 |
| 50°-60° | 2638.9 | 21.9 |
| 60°-70° | 3302.0 | 27.4 |
| 70°-80° | 1929.5 | 16.0 |
| 80°-90° | 344.3 | 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° | 12030.0 | 100.0 |
| 0°-180° | 12030.0 | 100.0 |

Coefficient of Utilization



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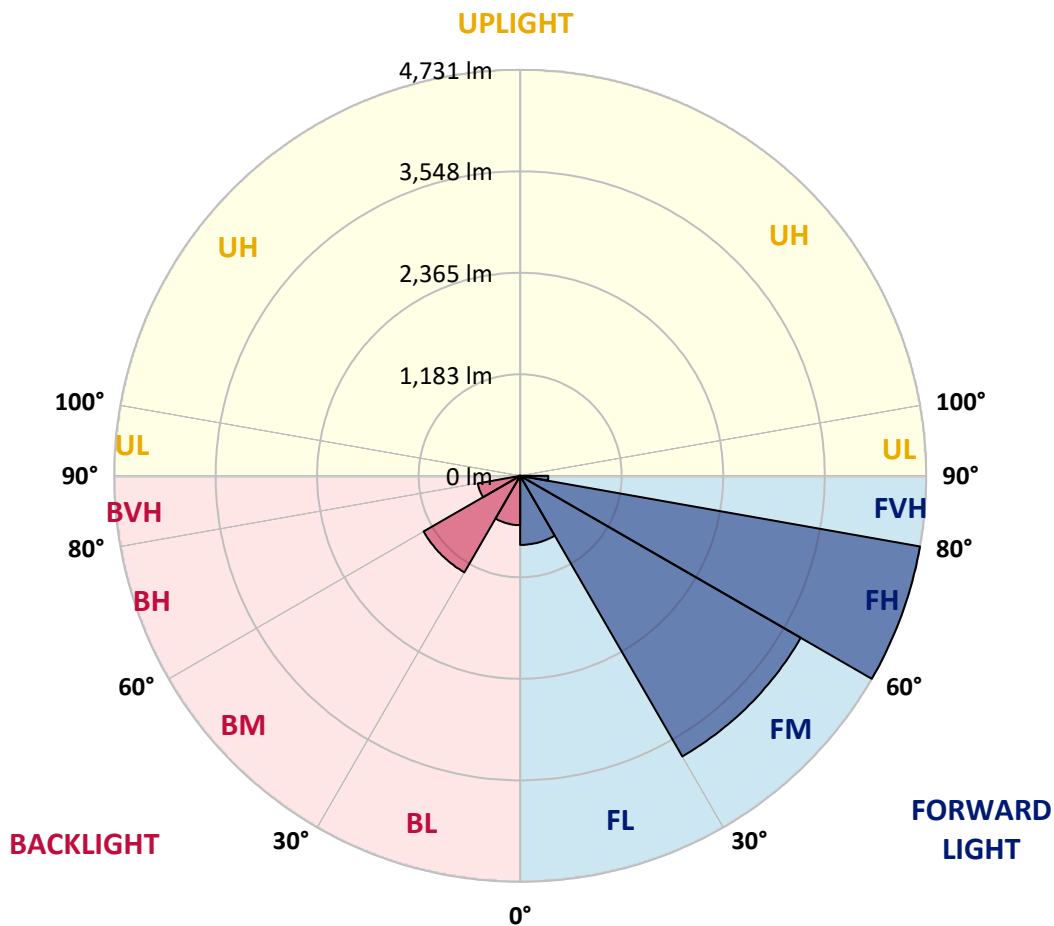
CATALOG NUMBER: GALN-SB5A-930-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 804.9 | 6.7 | | | |
| FM (30°-60°) | 3775.2 | 31.4 | | | |
| FH (60°-80°) | 4730.6 | 39.3 | | | G2/5000 |
| FVH (80°-90°) | 328.1 | 2.7 | | | G3/500 |
| BL (0°-30°) | 574.9 | 4.8 | B2/1000 | | |
| BM (30°-60°) | 1299.1 | 10.8 | B2/2500 | | |
| BH (60°-80°) | 501.0 | 4.2 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 16.1 | 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-G3

Type IV Short



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CATALOG NUMBER: GALN-SB5A-930-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|---------|---------|---------|---------|---------|---------|--------|---------|---------|
| 0° | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 |
| 2.5° | 1866.3 | 1880.4 | 1911.9 | 1928.5 | 1954.2 | 1955.8 | 1955.8 | 1933.5 | 1932.6 | 1887.0 |
| 5° | 2085.9 | 2119.1 | 2193.7 | 2270.8 | 2287.3 | 2291.5 | 2283.2 | 2238.4 | 2205.3 | 2116.6 |
| 7.5° | 2303.9 | 2367.7 | 2481.3 | 2584.0 | 2617.2 | 2617.2 | 2597.3 | 2524.3 | 2456.4 | 2327.9 |
| 10° | 2484.6 | 2565.0 | 2719.1 | 2834.3 | 2872.4 | 2864.1 | 2823.5 | 2731.5 | 2637.9 | 2482.1 |
| 12.5° | 2603.9 | 2694.2 | 2863.3 | 2956.1 | 2995.1 | 2973.5 | 2927.1 | 2837.6 | 2739.0 | 2574.9 |
| 15° | 2663.6 | 2758.1 | 2904.7 | 2953.6 | 2942.9 | 2920.5 | 2914.7 | 2871.6 | 2797.0 | 2643.7 |
| 17.5° | 2689.3 | 2777.1 | 2879.0 | 2848.4 | 2757.2 | 2739.8 | 2797.8 | 2852.5 | 2834.3 | 2703.4 |
| 20° | 2713.3 | 2787.1 | 2817.7 | 2681.8 | 2522.7 | 2506.9 | 2618.0 | 2773.8 | 2853.4 | 2758.9 |
| 22.5° | 2746.4 | 2792.0 | 2729.0 | 2506.1 | 2334.6 | 2298.1 | 2420.8 | 2655.3 | 2859.2 | 2829.3 |
| 25° | 2792.0 | 2804.5 | 2631.3 | 2339.5 | 2167.2 | 2130.7 | 2245.1 | 2523.5 | 2849.2 | 2905.6 |
| 27.5° | 2846.7 | 2821.0 | 2537.6 | 2200.3 | 2033.7 | 1999.8 | 2114.1 | 2396.7 | 2821.0 | 2981.8 |
| 30° | 2918.0 | 2842.6 | 2444.8 | 2092.6 | 1938.4 | 1913.6 | 2023.8 | 2287.3 | 2786.2 | 3078.8 |
| 32.5° | 2990.1 | 2851.7 | 2358.6 | 2029.6 | 1916.9 | 1926.0 | 2016.3 | 2228.5 | 2748.1 | 3171.6 |
| 35° | 3068.0 | 2880.7 | 2316.3 | 2091.7 | 2096.7 | 2176.3 | 2213.6 | 2283.2 | 2742.3 | 3297.6 |
| 37.5° | 3174.1 | 2945.3 | 2366.9 | 2400.9 | 2573.2 | 2738.2 | 2707.5 | 2550.9 | 2809.4 | 3485.7 |
| 40° | 3326.6 | 3058.9 | 2587.3 | 2927.1 | 3281.0 | 3548.7 | 3431.8 | 3037.3 | 3015.0 | 3756.7 |
| 42.5° | 3548.7 | 3239.5 | 2978.5 | 3570.2 | 4170.2 | 4611.1 | 4297.9 | 3664.7 | 3374.6 | 4143.7 |
| 45° | 3876.9 | 3532.1 | 3451.7 | 4249.0 | 5266.7 | 5961.1 | 5309.7 | 4333.5 | 3878.5 | 4729.6 |
| 47.5° | 4331.8 | 3962.2 | 3895.1 | 4964.2 | 6599.3 | 7497.6 | 6431.9 | 4953.4 | 4452.0 | 5528.5 |
| 50° | 4936.0 | 4541.5 | 4315.3 | 5746.5 | 8060.3 | 9063.9 | 7553.1 | 5551.7 | 5109.2 | 6504.8 |
| 52.5° | 5733.2 | 5349.5 | 4805.0 | 6491.5 | 9562.8 | 10597.1 | 8679.4 | 6077.2 | 5924.7 | 7637.7 |
| 55° | 6820.5 | 6565.3 | 5474.7 | 7202.6 | 11064.5 | 12139.4 | 9761.7 | 6572.7 | 7002.0 | 8983.6 |
| 57.5° | 8169.7 | 8352.1 | 6440.1 | 8027.2 | 12414.5 | 13728.9 | 10849.1 | 7265.6 | 8401.0 | 10488.6 |
| 60° | 9039.9 | 10728.1 | 8289.1 | 9246.3 | 13948.5 | 15526.5 | 12339.1 | 8583.3 | 9871.1 | 11028.1 |
| 62.5° | 8829.4 | 11483.9 | 10503.5 | 10802.6 | 15359.1 | 16833.4 | 13799.4 | 9906.8 | 10147.9 | 10233.3 |
| 65° | 8183.8 | 10873.9 | 10051.8 | 11105.1 | 15716.3 | 16907.2 | 14189.7 | 9736.1 | 8608.1 | 8354.5 |
| 67.5° | 7295.4 | 10150.4 | 8978.6 | 10302.9 | 15070.7 | 15876.2 | 13462.9 | 8612.3 | 6652.3 | 6269.4 |
| 70° | 6336.6 | 9349.9 | 8274.2 | 9402.9 | 13840.0 | 14079.5 | 12227.2 | 7574.7 | 4892.9 | 4234.0 |
| 72.5° | 5426.6 | 8516.1 | 7791.8 | 8480.5 | 12198.2 | 11702.7 | 10618.7 | 6657.3 | 3562.8 | 3053.9 |
| 75° | 4495.9 | 7286.3 | 7104.8 | 7384.9 | 10039.4 | 9218.1 | 8822.8 | 5512.0 | 2796.2 | 2209.4 |
| 77.5° | 3469.1 | 5693.5 | 6111.1 | 5913.9 | 7066.7 | 6847.1 | 6838.8 | 4142.0 | 2042.8 | 1474.3 |
| 80° | 2374.3 | 3968.0 | 4774.4 | 4171.9 | 4586.3 | 4474.4 | 5150.6 | 2778.8 | 1481.8 | 887.6 |
| 82.5° | 1395.6 | 2415.8 | 3323.3 | 2019.6 | 2535.9 | 2603.1 | 3067.2 | 1351.7 | 871.8 | 204.7 |
| 85° | 566.0 | 953.9 | 1299.5 | 790.6 | 1223.2 | 1031.8 | 1164.4 | 379.6 | 242.8 | 5.0 |
| 87.5° | 142.5 | 305.0 | 213.8 | 88.7 | 141.7 | 130.1 | 102.8 | 46.4 | 9.9 | 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):

| 90° | | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1665.8 | 0° | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 |
| 1882.1 | 2.5° | 1849.8 | 1830.7 | 1783.5 | 1736.2 | 1698.1 | 1646.7 | 1612.7 | 1572.1 | 1533.2 | 1498.4 |
| 2097.5 | 5° | 2045.3 | 1982.3 | 1896.2 | 1817.4 | 1737.0 | 1659.1 | 1582.1 | 1500.9 | 1426.3 | 1380.7 |
| 2279.9 | 7.5° | 2204.5 | 2093.4 | 1979.0 | 1878.8 | 1781.8 | 1690.6 | 1588.7 | 1490.1 | 1373.2 | 1311.1 |
| 2419.1 | 10° | 2323.0 | 2177.1 | 2027.1 | 1911.9 | 1814.1 | 1725.4 | 1639.3 | 1539.8 | 1398.9 | 1321.0 |
| 2503.6 | 12.5° | 2400.9 | 2227.7 | 2052.0 | 1920.2 | 1810.8 | 1742.0 | 1703.9 | 1664.9 | 1524.9 | 1433.7 |
| 2565.8 | 15° | 2454.7 | 2263.3 | 2069.4 | 1901.1 | 1766.9 | 1716.3 | 1754.4 | 1799.2 | 1709.7 | 1604.4 |
| 2630.4 | 17.5° | 2513.6 | 2309.7 | 2076.8 | 1849.8 | 1681.5 | 1660.0 | 1758.6 | 1862.2 | 1858.0 | 1753.6 |
| 2691.8 | 20° | 2575.7 | 2350.3 | 2071.9 | 1766.9 | 1577.9 | 1597.0 | 1723.0 | 1843.1 | 1893.7 | 1837.3 |
| 2762.2 | 22.5° | 2639.5 | 2389.3 | 2052.8 | 1659.1 | 1481.0 | 1540.6 | 1666.6 | 1771.8 | 1831.5 | 1814.1 |
| 2848.4 | 25° | 2719.9 | 2444.0 | 2024.6 | 1543.1 | 1400.6 | 1483.4 | 1601.1 | 1686.5 | 1727.9 | 1727.1 |
| 2941.2 | 27.5° | 2816.1 | 2516.9 | 2009.7 | 1449.5 | 1343.4 | 1418.8 | 1523.2 | 1599.5 | 1628.5 | 1628.5 |
| 3056.4 | 30° | 2927.9 | 2603.1 | 1993.1 | 1388.1 | 1310.2 | 1351.7 | 1432.9 | 1507.5 | 1536.5 | 1536.5 |
| 3182.4 | 32.5° | 3052.3 | 2686.0 | 1953.3 | 1350.8 | 1285.4 | 1286.2 | 1337.6 | 1405.5 | 1440.4 | 1445.3 |
| 3339.8 | 35° | 3201.4 | 2774.6 | 1866.3 | 1321.0 | 1256.4 | 1222.4 | 1247.3 | 1303.6 | 1345.0 | 1355.8 |
| 3564.4 | 37.5° | 3397.0 | 2883.2 | 1742.0 | 1277.1 | 1211.6 | 1155.3 | 1161.1 | 1204.2 | 1249.7 | 1266.3 |
| 3874.4 | 40° | 3659.7 | 3010.8 | 1612.7 | 1214.1 | 1148.6 | 1081.5 | 1079.0 | 1110.5 | 1155.3 | 1173.5 |
| 4293.7 | 42.5° | 4007.0 | 3164.1 | 1489.2 | 1153.6 | 1072.4 | 1003.6 | 999.5 | 1024.3 | 1063.3 | 1082.3 |
| 4847.3 | 45° | 4451.2 | 3352.3 | 1383.2 | 1106.4 | 997.8 | 929.8 | 928.2 | 948.9 | 982.9 | 1002.8 |
| 5555.9 | 47.5° | 5068.6 | 3540.4 | 1311.1 | 1081.5 | 939.0 | 869.3 | 872.7 | 890.9 | 921.6 | 935.6 |
| 6473.3 | 50° | 5873.3 | 3597.6 | 1274.6 | 1081.5 | 907.5 | 815.5 | 832.1 | 847.0 | 870.2 | 878.5 |
| 7573.0 | 52.5° | 6645.7 | 3408.6 | 1241.5 | 1088.1 | 911.6 | 769.9 | 805.5 | 816.3 | 836.2 | 839.5 |
| 8592.4 | 55° | 7024.4 | 2930.4 | 1195.9 | 1089.8 | 937.3 | 730.9 | 784.0 | 803.9 | 811.3 | 810.5 |
| 9184.1 | 57.5° | 6894.3 | 2369.4 | 1118.8 | 1083.2 | 954.7 | 706.1 | 757.5 | 795.6 | 800.6 | 793.1 |
| 9071.4 | 60° | 6437.7 | 1744.5 | 1060.0 | 1034.3 | 948.1 | 698.6 | 716.9 | 777.4 | 784.8 | 774.9 |
| 8202.9 | 62.5° | 5671.9 | 1210.8 | 1014.4 | 926.5 | 919.1 | 696.1 | 653.0 | 737.6 | 755.8 | 741.7 |
| 6593.5 | 65° | 4465.3 | 855.3 | 873.5 | 812.2 | 856.1 | 682.9 | 586.7 | 689.5 | 714.4 | 692.8 |
| 4783.5 | 67.5° | 3021.6 | 617.4 | 707.7 | 735.9 | 754.2 | 653.0 | 538.7 | 634.8 | 668.0 | 639.8 |
| 3069.7 | 70° | 1631.8 | 433.4 | 467.4 | 619.9 | 640.6 | 601.7 | 495.6 | 579.3 | 617.4 | 586.7 |
| 2182.1 | 72.5° | 963.8 | 311.6 | 327.4 | 498.1 | 533.7 | 529.6 | 447.5 | 514.6 | 561.1 | 524.6 |
| 1505.8 | 75° | 531.2 | 210.5 | 233.7 | 361.3 | 433.4 | 408.6 | 384.5 | 435.9 | 483.2 | 447.5 |
| 943.9 | 77.5° | 237.8 | 126.0 | 162.4 | 237.0 | 340.6 | 280.1 | 297.5 | 339.8 | 383.7 | 346.4 |
| 525.4 | 80° | 92.0 | 70.4 | 107.7 | 129.3 | 247.8 | 155.0 | 191.4 | 250.3 | 281.8 | 251.9 |
| 114.4 | 82.5° | 11.6 | 31.5 | 46.4 | 50.6 | 144.2 | 82.0 | 111.1 | 157.5 | 155.0 | 134.3 |
| 0.0 | 85° | 0.0 | 5.8 | 6.6 | 3.3 | 62.2 | 29.8 | 36.5 | 51.4 | 48.1 | 36.5 |
| 0.0 | 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1665.8 | 0° | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 | 1665.8 |
| 1491.7 | 2.5° | 1451.1 | 1421.3 | 1406.4 | 1393.9 | 1405.5 | 1412.2 | 1412.2 | 1440.4 | 1456.9 | 1463.6 |
| 1351.7 | 5° | 1278.7 | 1223.2 | 1185.9 | 1163.6 | 1171.0 | 1179.3 | 1188.4 | 1224.1 | 1248.1 | 1263.8 |
| 1254.7 | 7.5° | 1142.8 | 1058.3 | 1006.1 | 978.7 | 982.9 | 988.7 | 996.1 | 1031.0 | 1055.0 | 1075.7 |
| 1236.5 | 10° | 1075.7 | 956.4 | 887.6 | 854.4 | 848.6 | 845.3 | 842.8 | 863.5 | 881.8 | 898.4 |
| 1311.1 | 12.5° | 1079.0 | 912.4 | 828.7 | 788.1 | 770.7 | 750.8 | 735.1 | 738.4 | 750.0 | 770.7 |
| 1444.5 | 15° | 1121.3 | 898.4 | 798.1 | 747.5 | 718.5 | 695.3 | 676.3 | 672.1 | 676.3 | 679.6 |
| 1597.0 | 17.5° | 1178.5 | 896.7 | 771.6 | 708.6 | 678.7 | 659.7 | 642.3 | 636.5 | 637.3 | 641.4 |
| 1698.1 | 20° | 1224.1 | 891.7 | 741.7 | 671.3 | 644.8 | 628.2 | 610.8 | 605.0 | 606.6 | 607.5 |
| 1708.0 | 22.5° | 1248.1 | 884.3 | 708.6 | 634.0 | 611.6 | 595.0 | 579.3 | 578.5 | 578.5 | 583.4 |
| 1654.2 | 25° | 1248.1 | 868.5 | 678.7 | 598.4 | 578.5 | 563.5 | 544.5 | 547.8 | 549.5 | 556.1 |
| 1570.5 | 27.5° | 1218.2 | 838.7 | 654.7 | 567.7 | 547.0 | 532.1 | 514.6 | 518.8 | 521.3 | 528.7 |
| 1487.6 | 30° | 1180.1 | 803.1 | 627.4 | 538.7 | 514.6 | 503.9 | 489.0 | 490.6 | 493.9 | 502.2 |
| 1410.5 | 32.5° | 1139.5 | 760.8 | 605.0 | 509.7 | 485.6 | 477.4 | 460.8 | 463.3 | 466.6 | 475.7 |
| 1334.3 | 35° | 1094.8 | 711.1 | 578.5 | 483.2 | 459.1 | 452.5 | 433.4 | 435.1 | 440.1 | 450.0 |
| 1252.2 | 37.5° | 1047.5 | 670.5 | 551.9 | 457.5 | 432.6 | 426.0 | 406.1 | 407.7 | 413.5 | 425.1 |
| 1166.0 | 40° | 1001.1 | 630.7 | 523.8 | 430.1 | 405.3 | 399.5 | 377.9 | 379.6 | 386.2 | 398.6 |
| 1079.0 | 42.5° | 950.6 | 600.0 | 487.3 | 401.9 | 375.4 | 369.6 | 349.7 | 352.2 | 359.7 | 372.1 |
| 998.6 | 45° | 890.1 | 580.1 | 446.7 | 375.4 | 345.6 | 339.8 | 321.6 | 326.5 | 334.8 | 347.2 |
| 929.8 | 47.5° | 827.9 | 571.8 | 412.7 | 347.2 | 314.9 | 309.9 | 295.0 | 303.3 | 312.4 | 322.4 |
| 871.0 | 50° | 768.2 | 561.1 | 377.9 | 320.7 | 288.4 | 283.4 | 273.5 | 284.3 | 293.4 | 302.5 |
| 828.7 | 52.5° | 700.3 | 537.9 | 346.4 | 297.5 | 266.0 | 264.4 | 259.4 | 269.3 | 277.6 | 285.9 |
| 792.3 | 55° | 629.8 | 500.6 | 319.1 | 276.8 | 247.0 | 248.6 | 246.1 | 254.4 | 261.1 | 268.5 |
| 759.1 | 57.5° | 568.5 | 453.3 | 297.5 | 254.4 | 230.4 | 235.4 | 232.0 | 236.2 | 240.3 | 249.5 |
| 719.3 | 60° | 506.4 | 397.0 | 273.5 | 227.9 | 213.8 | 219.6 | 210.5 | 209.7 | 211.3 | 213.8 |
| 660.5 | 62.5° | 422.7 | 338.1 | 243.6 | 204.7 | 195.6 | 198.1 | 180.7 | 167.4 | 167.4 | 169.9 |
| 578.5 | 65° | 339.8 | 283.4 | 210.5 | 178.2 | 170.7 | 169.1 | 144.2 | 126.0 | 124.3 | 131.8 |
| 483.2 | 67.5° | 279.3 | 235.4 | 177.4 | 148.3 | 143.4 | 145.0 | 126.8 | 108.6 | 106.9 | 115.2 |
| 393.7 | 70° | 231.2 | 189.8 | 141.7 | 114.4 | 119.3 | 126.8 | 108.6 | 91.2 | 88.7 | 96.1 |
| 319.9 | 72.5° | 184.0 | 148.3 | 108.6 | 84.5 | 98.6 | 107.7 | 88.7 | 72.1 | 70.4 | 77.1 |
| 247.0 | 75° | 135.1 | 106.1 | 73.8 | 61.3 | 76.2 | 84.5 | 64.6 | 51.4 | 48.9 | 54.7 |
| 164.9 | 77.5° | 83.7 | 59.7 | 46.4 | 36.5 | 52.2 | 56.4 | 34.0 | 29.8 | 29.0 | 33.1 |
| 100.3 | 80° | 39.0 | 25.7 | 22.4 | 12.4 | 19.1 | 22.4 | 14.1 | 15.7 | 16.6 | 19.9 |
| 50.6 | 82.5° | 10.8 | 4.1 | 0.8 | 0.0 | 0.0 | 6.6 | 3.3 | 6.6 | 8.3 | 12.4 |
| 4.1 | 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 4.1 | 7.5 |
| 0.0 | 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 |
| 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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