

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: P953911

Luminaire Tested: **GALN-SB7B-827-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953911
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-827-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 450mA 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: 26576 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

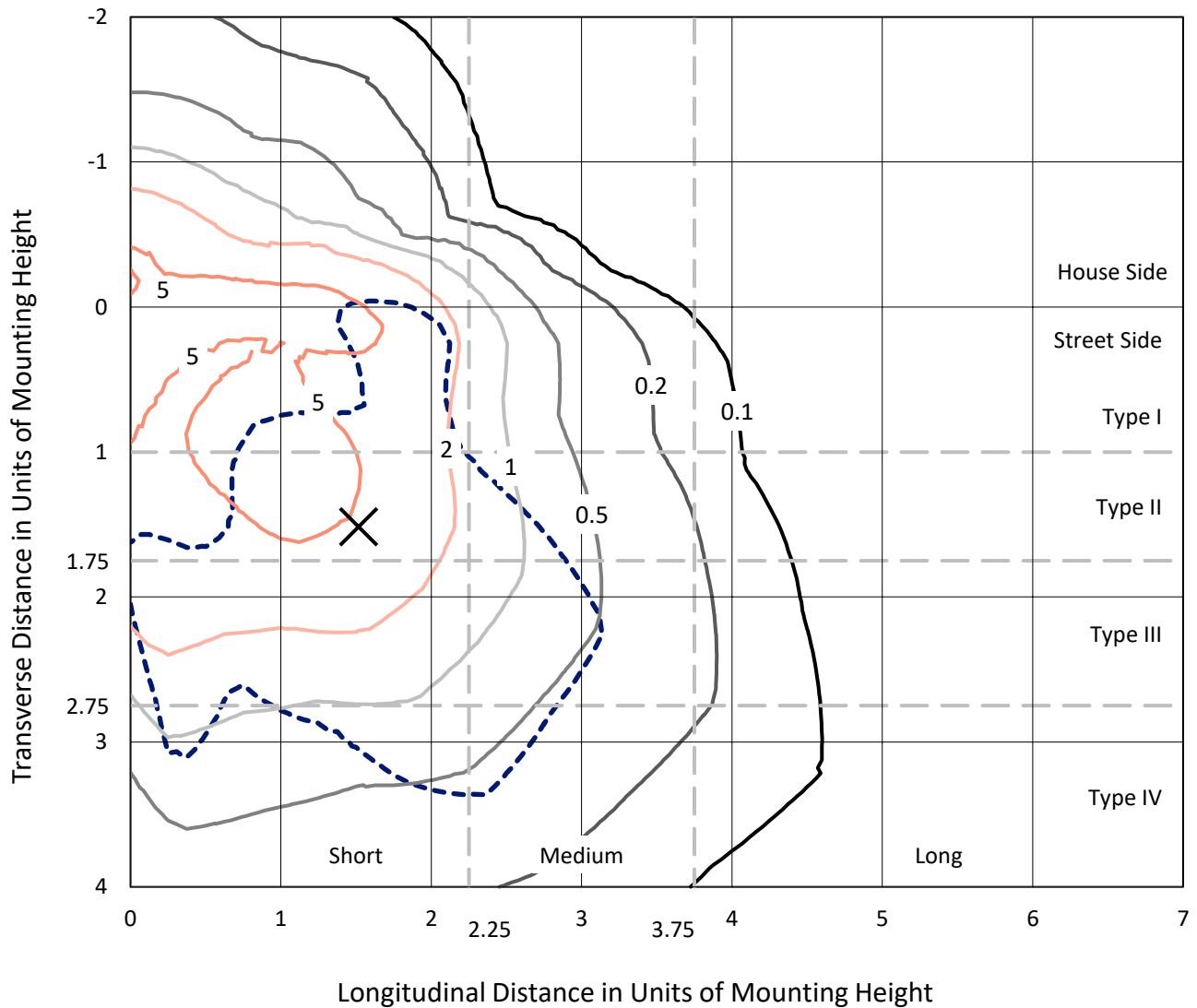
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953911
 CATALOG NUMBER: GALN-SB7B-827-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

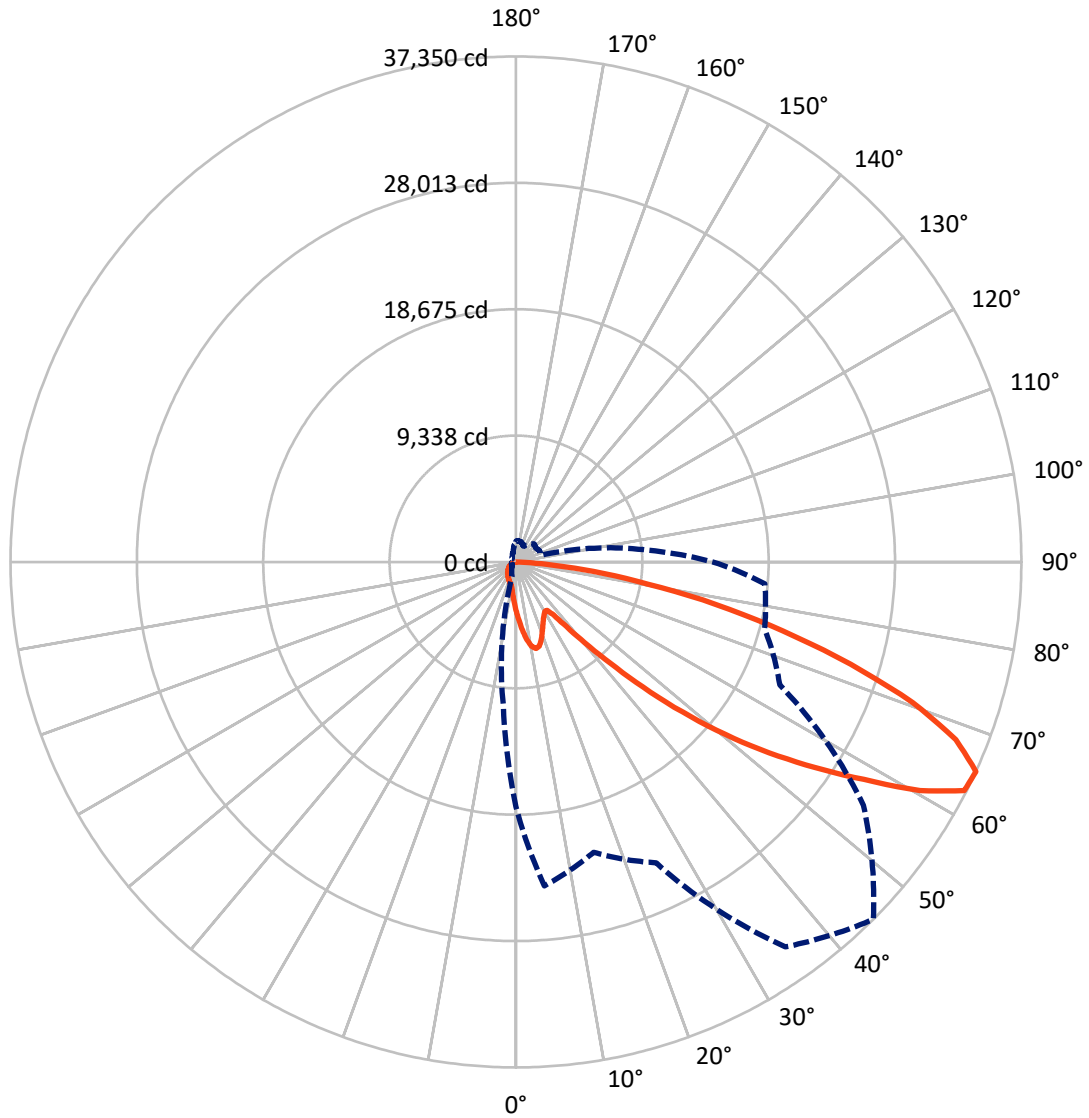
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P953911
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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 | 5282.5 | 0.0 | 5282.5 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| Street Side | Lumens | 21293.5 | 0.0 | 21293.5 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| Total | Lumens | 26576.0 | 0.0 | 26576.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 362.3 | 1.4 |
| 10°-20° | 1086.1 | 4.1 |
| 20°-30° | 1600.0 | 6.0 |
| 30°-40° | 2055.6 | 7.7 |
| 40°-50° | 3324.5 | 12.5 |
| 50°-60° | 5829.8 | 21.9 |
| 60°-70° | 7294.6 | 27.4 |
| 70°-80° | 4262.6 | 16.0 |
| 80°-90° | 760.5 | 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° | 26576.0 | 100.0 |
| 0°-180° | 26576.0 | 100.0 |



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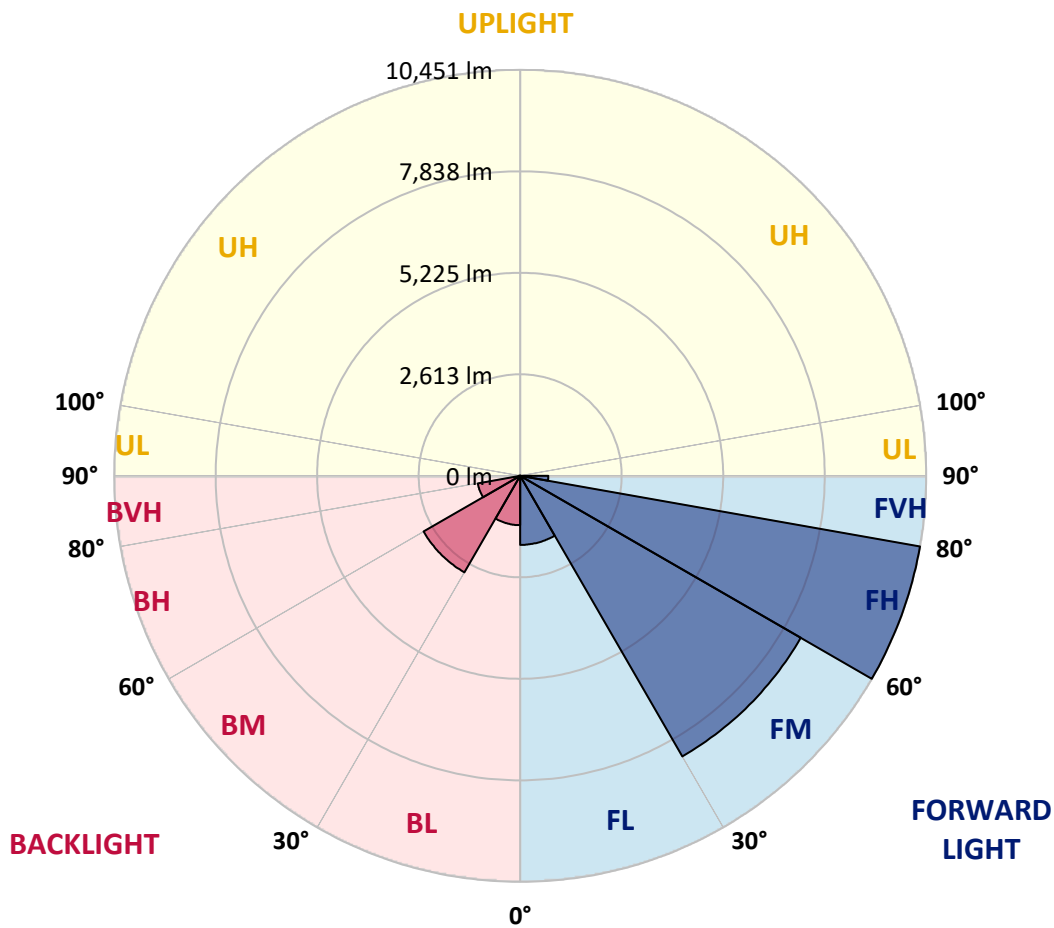
CATALOG NUMBER: GALN-SB7B-827-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1778.2 | 6.7 | | | |
| FM (30°-60°) | 8339.9 | 31.4 | | | |
| FH (60°-80°) | 10450.5 | 39.3 | | | G4/12000 |
| FVH (80°-90°) | 724.9 | 2.7 | | | G4/750 |
| BL (0°-30°) | 1270.1 | 4.8 | B3/2500 | | |
| BM (30°-60°) | 2869.9 | 10.8 | B3/5000 | | |
| BH (60°-80°) | 1106.8 | 4.2 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 35.6 | 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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 |
| 2.5° | 4123.0 | 4154.1 | 4223.7 | 4260.3 | 4317.0 | 4320.7 | 4320.7 | 4271.3 | 4269.4 | 4168.8 |
| 5° | 4608.1 | 4681.4 | 4846.2 | 5016.4 | 5053.0 | 5062.2 | 5043.9 | 4945.0 | 4871.8 | 4675.9 |
| 7.5° | 5089.6 | 5230.6 | 5481.4 | 5708.5 | 5781.7 | 5781.7 | 5737.8 | 5576.6 | 5426.5 | 5142.7 |
| 10° | 5488.8 | 5666.4 | 6006.9 | 6261.4 | 6345.6 | 6327.3 | 6237.6 | 6034.3 | 5827.5 | 5483.3 |
| 12.5° | 5752.4 | 5952.0 | 6325.4 | 6530.5 | 6616.5 | 6568.9 | 6466.4 | 6268.7 | 6050.8 | 5688.3 |
| 15° | 5884.2 | 6092.9 | 6417.0 | 6525.0 | 6501.2 | 6451.8 | 6439.0 | 6343.8 | 6179.0 | 5840.3 |
| 17.5° | 5941.0 | 6135.0 | 6360.2 | 6292.5 | 6091.1 | 6052.7 | 6180.8 | 6301.6 | 6261.4 | 5972.1 |
| 20° | 5994.1 | 6157.0 | 6224.7 | 5924.5 | 5573.0 | 5538.2 | 5783.5 | 6127.7 | 6303.5 | 6094.8 |
| 22.5° | 6067.3 | 6168.0 | 6028.9 | 5536.4 | 5157.4 | 5076.8 | 5347.8 | 5865.9 | 6316.3 | 6250.4 |
| 25° | 6168.0 | 6195.5 | 5812.8 | 5168.4 | 4787.6 | 4707.0 | 4959.7 | 5574.8 | 6294.3 | 6418.8 |
| 27.5° | 6288.8 | 6232.1 | 5605.9 | 4860.8 | 4492.8 | 4417.7 | 4670.4 | 5294.7 | 6232.1 | 6587.2 |
| 30° | 6446.3 | 6279.7 | 5400.9 | 4622.8 | 4282.3 | 4227.3 | 4470.8 | 5053.0 | 6155.2 | 6801.5 |
| 32.5° | 6605.6 | 6299.8 | 5210.5 | 4483.7 | 4234.7 | 4254.8 | 4454.4 | 4923.0 | 6071.0 | 7006.5 |
| 35° | 6777.7 | 6363.9 | 5117.1 | 4621.0 | 4631.9 | 4807.7 | 4890.1 | 5043.9 | 6058.1 | 7284.8 |
| 37.5° | 7012.0 | 6506.7 | 5228.8 | 5303.9 | 5684.7 | 6049.0 | 5981.3 | 5635.2 | 6206.4 | 7700.4 |
| 40° | 7348.9 | 6757.5 | 5715.8 | 6466.4 | 7248.2 | 7839.5 | 7581.4 | 6709.9 | 6660.5 | 8299.1 |
| 42.5° | 7839.5 | 7156.6 | 6579.9 | 7887.1 | 9212.6 | 10186.6 | 9494.6 | 8095.8 | 7455.1 | 9154.0 |
| 45° | 8564.5 | 7802.9 | 7625.3 | 9386.6 | 11634.8 | 13169.0 | 11730.0 | 9573.3 | 8568.2 | 10448.4 |
| 47.5° | 9569.6 | 8753.1 | 8604.8 | 10966.5 | 14578.7 | 16563.3 | 14208.9 | 10942.7 | 9835.1 | 12213.3 |
| 50° | 10904.3 | 10032.8 | 9533.0 | 12694.8 | 17806.4 | 20023.6 | 16686.0 | 12264.6 | 11286.9 | 14370.0 |
| 52.5° | 12665.5 | 11817.9 | 10615.0 | 14340.7 | 21125.7 | 23410.6 | 19174.1 | 13425.3 | 13088.5 | 16872.7 |
| 55° | 15067.6 | 14503.7 | 12094.3 | 15911.6 | 24443.1 | 26817.7 | 21565.1 | 14520.1 | 15468.5 | 19846.0 |
| 57.5° | 18048.1 | 18450.9 | 14227.2 | 17733.2 | 27425.5 | 30329.2 | 23967.1 | 16050.7 | 18558.9 | 23170.7 |
| 60° | 19970.5 | 23699.8 | 18311.7 | 20426.3 | 30814.3 | 34300.2 | 27258.9 | 18961.7 | 21806.8 | 24362.6 |
| 62.5° | 19505.4 | 25369.5 | 23203.7 | 23864.6 | 33930.4 | 37187.4 | 30484.8 | 21885.5 | 22418.3 | 22606.8 |
| 65° | 18079.2 | 24022.0 | 22205.9 | 24532.8 | 34719.5 | 37350.3 | 31347.1 | 21508.3 | 19016.6 | 18456.4 |
| 67.5° | 16116.6 | 22423.7 | 19835.0 | 22760.6 | 33293.3 | 35072.8 | 29741.5 | 19025.8 | 14695.9 | 13850.1 |
| 70° | 13998.4 | 20655.2 | 18278.8 | 20772.4 | 30574.5 | 31103.6 | 27011.8 | 16733.6 | 10809.1 | 9353.6 |
| 72.5° | 11988.1 | 18813.4 | 17213.3 | 18734.7 | 26947.7 | 25852.9 | 23458.2 | 14706.9 | 7870.6 | 6746.5 |
| 75° | 9932.1 | 16096.5 | 15695.5 | 16314.3 | 22178.4 | 20364.1 | 19490.8 | 12176.7 | 6177.1 | 4880.9 |
| 77.5° | 7663.8 | 12577.7 | 13500.4 | 13064.7 | 15611.3 | 15126.1 | 15107.8 | 9150.4 | 4512.9 | 3257.0 |
| 80° | 5245.3 | 8765.9 | 10547.3 | 9216.3 | 10131.7 | 9884.5 | 11378.5 | 6138.7 | 3273.5 | 1960.8 |
| 82.5° | 3083.1 | 5336.8 | 7341.5 | 4461.7 | 5602.3 | 5750.6 | 6775.8 | 2986.0 | 1926.0 | 452.2 |
| 85° | 1250.4 | 2107.3 | 2870.7 | 1746.6 | 2702.3 | 2279.4 | 2572.3 | 838.5 | 536.4 | 11.0 |
| 87.5° | 314.9 | 673.7 | 472.3 | 195.9 | 313.1 | 287.4 | 227.0 | 102.5 | 22.0 | 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):

| 90° | | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3679.9 | 0° | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 |
| 4157.8 | 2.5° | 4086.4 | 4044.3 | 3939.9 | 3835.5 | 3751.3 | 3637.8 | 3562.8 | 3473.0 | 3387.0 | 3310.1 |
| 4633.8 | 5° | 4518.4 | 4379.3 | 4188.9 | 4015.0 | 3837.4 | 3665.3 | 3495.0 | 3315.6 | 3150.8 | 3050.1 |
| 5036.6 | 7.5° | 4870.0 | 4624.6 | 4372.0 | 4150.4 | 3936.2 | 3734.8 | 3509.7 | 3291.8 | 3033.7 | 2896.3 |
| 5344.1 | 10° | 5131.8 | 4809.5 | 4478.2 | 4223.7 | 4007.6 | 3811.7 | 3621.3 | 3401.6 | 3090.4 | 2918.3 |
| 5530.9 | 12.5° | 5303.9 | 4921.2 | 4533.1 | 4242.0 | 4000.3 | 3848.4 | 3764.1 | 3678.1 | 3368.7 | 3167.3 |
| 5668.2 | 15° | 5422.9 | 4999.9 | 4571.5 | 4199.9 | 3903.3 | 3791.6 | 3875.8 | 3974.7 | 3777.0 | 3544.4 |
| 5811.0 | 17.5° | 5552.8 | 5102.5 | 4588.0 | 4086.4 | 3714.7 | 3667.1 | 3885.0 | 4113.8 | 4104.7 | 3874.0 |
| 5946.5 | 20° | 5690.2 | 5192.2 | 4577.0 | 3903.3 | 3485.9 | 3528.0 | 3806.3 | 4071.7 | 4183.4 | 4058.9 |
| 6102.1 | 22.5° | 5831.1 | 5278.2 | 4534.9 | 3665.3 | 3271.7 | 3403.5 | 3681.8 | 3914.3 | 4046.1 | 4007.6 |
| 6292.5 | 25° | 6008.7 | 5399.1 | 4472.7 | 3409.0 | 3094.1 | 3277.1 | 3537.1 | 3725.7 | 3817.2 | 3815.4 |
| 6497.5 | 27.5° | 6221.1 | 5560.2 | 4439.7 | 3202.1 | 2967.7 | 3134.3 | 3365.0 | 3533.5 | 3597.5 | 3597.5 |
| 6752.0 | 30° | 6468.2 | 5750.6 | 4403.1 | 3066.6 | 2894.5 | 2986.0 | 3165.5 | 3330.2 | 3394.3 | 3394.3 |
| 7030.3 | 32.5° | 6742.9 | 5933.7 | 4315.2 | 2984.2 | 2839.6 | 2841.4 | 2954.9 | 3105.1 | 3181.9 | 3192.9 |
| 7378.2 | 35° | 7072.4 | 6129.5 | 4123.0 | 2918.3 | 2775.5 | 2700.4 | 2755.4 | 2879.9 | 2971.4 | 2995.2 |
| 7874.3 | 37.5° | 7504.5 | 6369.4 | 3848.4 | 2821.3 | 2676.6 | 2552.1 | 2565.0 | 2660.2 | 2760.9 | 2797.5 |
| 8559.0 | 40° | 8084.9 | 6651.3 | 3562.8 | 2682.1 | 2537.5 | 2389.2 | 2383.7 | 2453.3 | 2552.1 | 2592.4 |
| 9485.4 | 42.5° | 8852.0 | 6990.0 | 3290.0 | 2548.5 | 2369.1 | 2217.1 | 2208.0 | 2262.9 | 2348.9 | 2391.0 |
| 10708.4 | 45° | 9833.3 | 7405.6 | 3055.6 | 2444.1 | 2204.3 | 2054.2 | 2050.5 | 2096.3 | 2171.3 | 2215.3 |
| 12273.7 | 47.5° | 11197.2 | 7821.2 | 2896.3 | 2389.2 | 2074.3 | 1920.5 | 1927.8 | 1968.1 | 2035.9 | 2067.0 |
| 14300.4 | 50° | 12974.9 | 7947.5 | 2815.8 | 2389.2 | 2004.7 | 1801.5 | 1838.1 | 1871.1 | 1922.3 | 1940.7 |
| 16729.9 | 52.5° | 14681.3 | 7530.1 | 2742.6 | 2403.9 | 2013.9 | 1700.8 | 1779.5 | 1803.3 | 1847.3 | 1854.6 |
| 18981.8 | 55° | 15517.9 | 6473.7 | 2641.9 | 2407.5 | 2070.6 | 1614.8 | 1731.9 | 1775.9 | 1792.4 | 1790.5 |
| 20289.0 | 57.5° | 15230.5 | 5234.3 | 2471.6 | 2392.9 | 2109.1 | 1559.8 | 1673.4 | 1757.6 | 1768.6 | 1752.1 |
| 20040.0 | 60° | 14221.7 | 3853.9 | 2341.6 | 2284.8 | 2094.4 | 1543.4 | 1583.6 | 1717.3 | 1733.8 | 1711.8 |
| 18121.3 | 62.5° | 12530.1 | 2674.8 | 2240.9 | 2046.8 | 2030.4 | 1537.9 | 1442.7 | 1629.4 | 1669.7 | 1638.6 |
| 14565.9 | 65° | 9864.4 | 1889.4 | 1929.7 | 1794.2 | 1891.2 | 1508.6 | 1296.2 | 1523.2 | 1578.2 | 1530.6 |
| 10567.4 | 67.5° | 6675.1 | 1364.0 | 1563.5 | 1625.8 | 1666.0 | 1442.7 | 1190.0 | 1402.4 | 1475.6 | 1413.4 |
| 6781.3 | 70° | 3604.9 | 957.5 | 1032.6 | 1369.4 | 1415.2 | 1329.2 | 1094.8 | 1279.7 | 1364.0 | 1296.2 |
| 4820.5 | 72.5° | 2129.2 | 688.4 | 723.2 | 1100.3 | 1179.0 | 1169.9 | 988.6 | 1136.9 | 1239.5 | 1158.9 |
| 3326.6 | 75° | 1173.5 | 465.0 | 516.3 | 798.2 | 957.5 | 902.6 | 849.5 | 963.0 | 1067.4 | 988.6 |
| 2085.3 | 77.5° | 525.4 | 278.3 | 358.8 | 523.6 | 752.5 | 618.8 | 657.3 | 750.6 | 847.7 | 765.3 |
| 1160.7 | 80° | 203.2 | 155.6 | 238.0 | 285.6 | 547.4 | 342.4 | 422.9 | 552.9 | 622.5 | 556.6 |
| 252.7 | 82.5° | 25.6 | 69.6 | 102.5 | 111.7 | 318.6 | 181.3 | 245.3 | 347.9 | 342.4 | 296.6 |
| 0.0 | 85° | 0.0 | 12.8 | 14.6 | 7.3 | 137.3 | 65.9 | 80.6 | 113.5 | 106.2 | 80.6 |
| 0.0 | 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3679.9 | 0° | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 | 3679.9 |
| 3295.5 | 2.5° | 3205.7 | 3139.8 | 3106.9 | 3079.4 | 3105.1 | 3119.7 | 3119.7 | 3181.9 | 3218.6 | 3233.2 |
| 2986.0 | 5° | 2824.9 | 2702.3 | 2619.9 | 2570.5 | 2586.9 | 2605.2 | 2625.4 | 2704.1 | 2757.2 | 2792.0 |
| 2771.8 | 7.5° | 2524.7 | 2337.9 | 2222.6 | 2162.2 | 2171.3 | 2184.2 | 2200.6 | 2277.5 | 2330.6 | 2376.4 |
| 2731.6 | 10° | 2376.4 | 2112.8 | 1960.8 | 1887.6 | 1874.7 | 1867.4 | 1861.9 | 1907.7 | 1948.0 | 1984.6 |
| 2896.3 | 12.5° | 2383.7 | 2015.7 | 1830.8 | 1741.1 | 1702.7 | 1658.7 | 1623.9 | 1631.3 | 1656.9 | 1702.7 |
| 3191.1 | 15° | 2477.1 | 1984.6 | 1763.1 | 1651.4 | 1587.3 | 1536.0 | 1493.9 | 1484.8 | 1493.9 | 1501.3 |
| 3528.0 | 17.5° | 2603.4 | 1980.9 | 1704.5 | 1565.3 | 1499.4 | 1457.3 | 1418.9 | 1406.1 | 1407.9 | 1417.0 |
| 3751.3 | 20° | 2704.1 | 1970.0 | 1638.6 | 1483.0 | 1424.4 | 1387.8 | 1349.3 | 1336.5 | 1340.2 | 1342.0 |
| 3773.3 | 22.5° | 2757.2 | 1953.5 | 1565.3 | 1400.6 | 1351.1 | 1314.5 | 1279.7 | 1277.9 | 1277.9 | 1288.9 |
| 3654.3 | 25° | 2757.2 | 1918.7 | 1499.4 | 1321.8 | 1277.9 | 1244.9 | 1202.8 | 1210.2 | 1213.8 | 1228.5 |
| 3469.4 | 27.5° | 2691.3 | 1852.8 | 1446.3 | 1254.1 | 1208.3 | 1175.4 | 1136.9 | 1146.1 | 1151.6 | 1168.1 |
| 3286.3 | 30° | 2607.1 | 1774.1 | 1385.9 | 1190.0 | 1136.9 | 1113.1 | 1080.2 | 1083.8 | 1091.2 | 1109.5 |
| 3116.0 | 32.5° | 2517.4 | 1680.7 | 1336.5 | 1125.9 | 1072.9 | 1054.5 | 1017.9 | 1023.4 | 1030.7 | 1050.9 |
| 2947.6 | 35° | 2418.5 | 1570.8 | 1277.9 | 1067.4 | 1014.3 | 999.6 | 957.5 | 961.2 | 972.2 | 994.1 |
| 2766.4 | 37.5° | 2314.1 | 1481.1 | 1219.3 | 1010.6 | 955.7 | 941.0 | 897.1 | 900.8 | 913.6 | 939.2 |
| 2575.9 | 40° | 2211.6 | 1393.2 | 1157.1 | 950.2 | 895.3 | 882.4 | 834.8 | 838.5 | 853.2 | 880.6 |
| 2383.7 | 42.5° | 2099.9 | 1325.5 | 1076.5 | 887.9 | 829.4 | 816.5 | 772.6 | 778.1 | 794.6 | 822.0 |
| 2206.1 | 45° | 1966.3 | 1281.6 | 986.8 | 829.4 | 763.4 | 750.6 | 710.4 | 721.3 | 739.6 | 767.1 |
| 2054.2 | 47.5° | 1829.0 | 1263.3 | 911.7 | 767.1 | 695.7 | 684.7 | 651.8 | 670.1 | 690.2 | 712.2 |
| 1924.2 | 50° | 1697.2 | 1239.5 | 834.8 | 708.5 | 637.1 | 626.1 | 604.2 | 628.0 | 648.1 | 668.2 |
| 1830.8 | 52.5° | 1547.0 | 1188.2 | 765.3 | 657.3 | 587.7 | 584.0 | 573.0 | 595.0 | 613.3 | 631.6 |
| 1750.3 | 55° | 1391.4 | 1105.8 | 704.9 | 611.5 | 545.6 | 549.2 | 543.8 | 562.1 | 576.7 | 593.2 |
| 1677.0 | 57.5° | 1255.9 | 1001.5 | 657.3 | 562.1 | 509.0 | 519.9 | 512.6 | 521.8 | 530.9 | 551.1 |
| 1589.1 | 60° | 1118.6 | 877.0 | 604.2 | 503.5 | 472.3 | 485.2 | 465.0 | 463.2 | 466.9 | 472.3 |
| 1459.2 | 62.5° | 933.7 | 747.0 | 538.3 | 452.2 | 432.1 | 437.6 | 399.1 | 369.8 | 369.8 | 375.3 |
| 1277.9 | 65° | 750.6 | 626.1 | 465.0 | 393.6 | 377.1 | 373.5 | 318.6 | 278.3 | 274.6 | 291.1 |
| 1067.4 | 67.5° | 617.0 | 519.9 | 391.8 | 327.7 | 316.7 | 320.4 | 280.1 | 239.8 | 236.2 | 254.5 |
| 869.6 | 70° | 510.8 | 419.3 | 313.1 | 252.7 | 263.6 | 280.1 | 239.8 | 201.4 | 195.9 | 212.4 |
| 706.7 | 72.5° | 406.4 | 327.7 | 239.8 | 186.7 | 217.9 | 238.0 | 195.9 | 159.3 | 155.6 | 170.3 |
| 545.6 | 75° | 298.4 | 234.3 | 162.9 | 135.5 | 168.4 | 186.7 | 142.8 | 113.5 | 108.0 | 120.8 |
| 364.3 | 77.5° | 184.9 | 131.8 | 102.5 | 80.6 | 115.3 | 124.5 | 75.1 | 65.9 | 64.1 | 73.2 |
| 221.5 | 80° | 86.0 | 56.8 | 49.4 | 27.5 | 42.1 | 49.4 | 31.1 | 34.8 | 36.6 | 43.9 |
| 111.7 | 82.5° | 23.8 | 9.2 | 1.8 | 0.0 | 0.0 | 14.6 | 7.3 | 14.6 | 18.3 | 27.5 |
| 9.2 | 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 9.2 | 16.5 |
| 0.0 | 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 |
| 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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