

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: P957210

Luminaire Tested: **GALN-SB9C-850-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957210
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-SB9C-850-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 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: 49796 lumens
Efficiency: N/A
Efficacy: 110.7 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

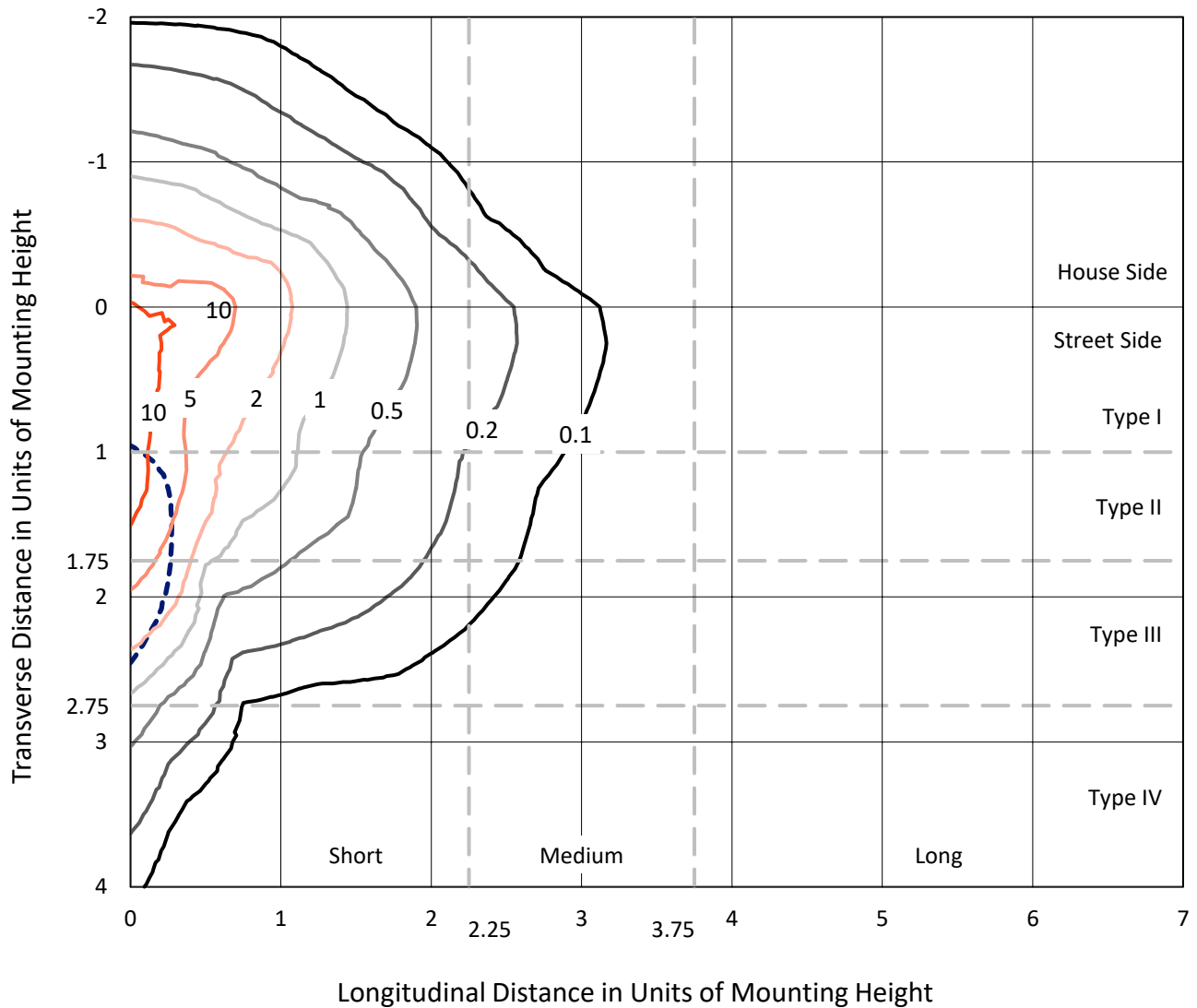
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P957210
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Iso-Footcandle Lines of Horizontal Illumination

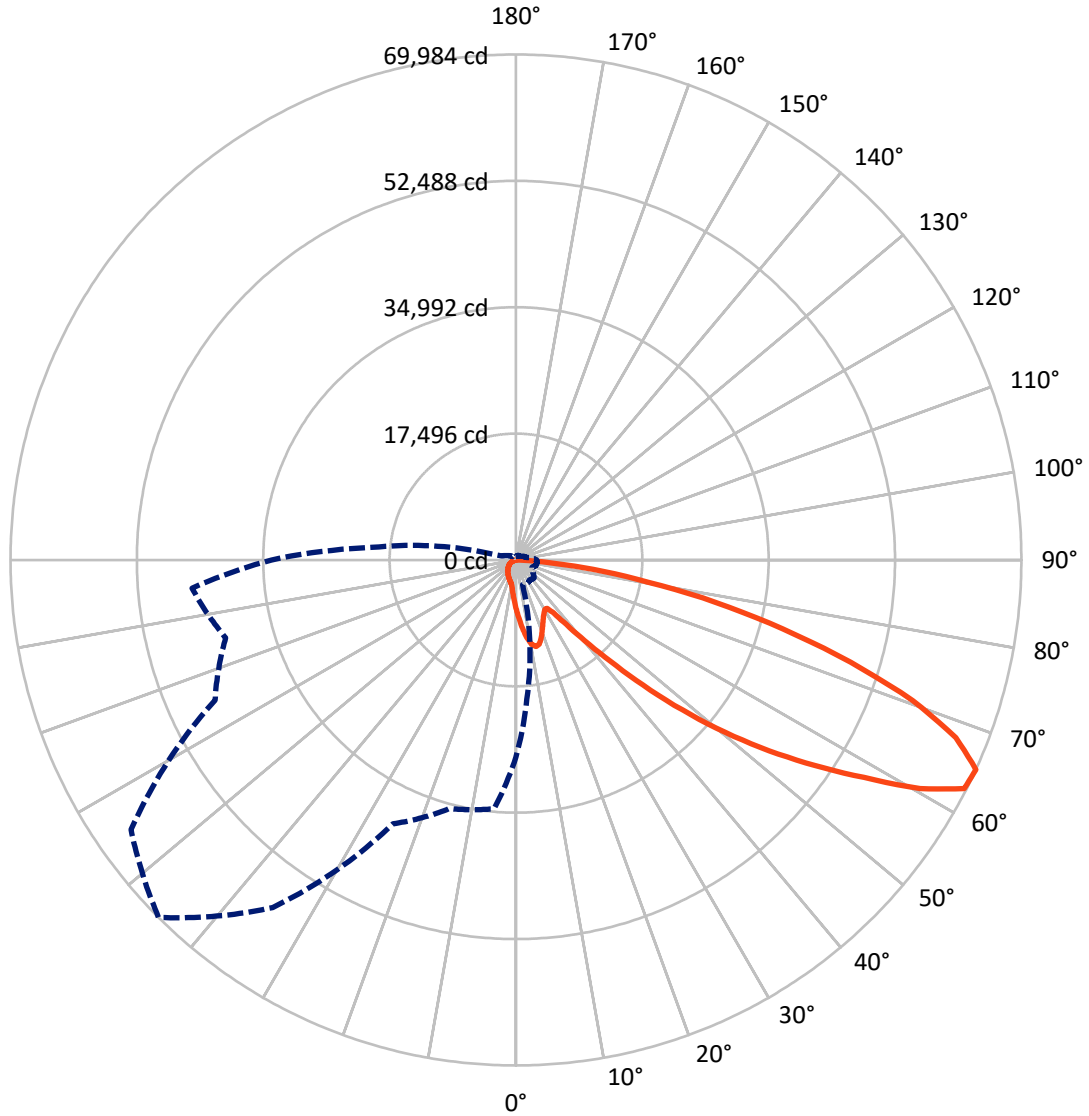
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P957210
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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 | 6973.6 | 0.0 | 6973.6 |
| | % Fixture | 14.0 | 0.0 | 14.0 |
| Street Side | Lumens | 42822.4 | 0.0 | 42822.4 |
| | % Fixture | 86.0 | 0.0 | 86.0 |
| Total | Lumens | 49796.0 | 0.0 | 49796.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 678.9 | 1.4 |
| 10°-20° | 2035.0 | 4.1 |
| 20°-30° | 2998.0 | 6.0 |
| 30°-40° | 3851.6 | 7.7 |
| 40°-50° | 6229.1 | 12.5 |
| 50°-60° | 10923.4 | 21.9 |
| 60°-70° | 13668.1 | 27.4 |
| 70°-80° | 7987.0 | 16.0 |
| 80°-90° | 1425.0 | 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° | 49796.0 | 100.0 |
| 0°-180° | 49796.0 | 100.0 |

Coefficient of Utilization



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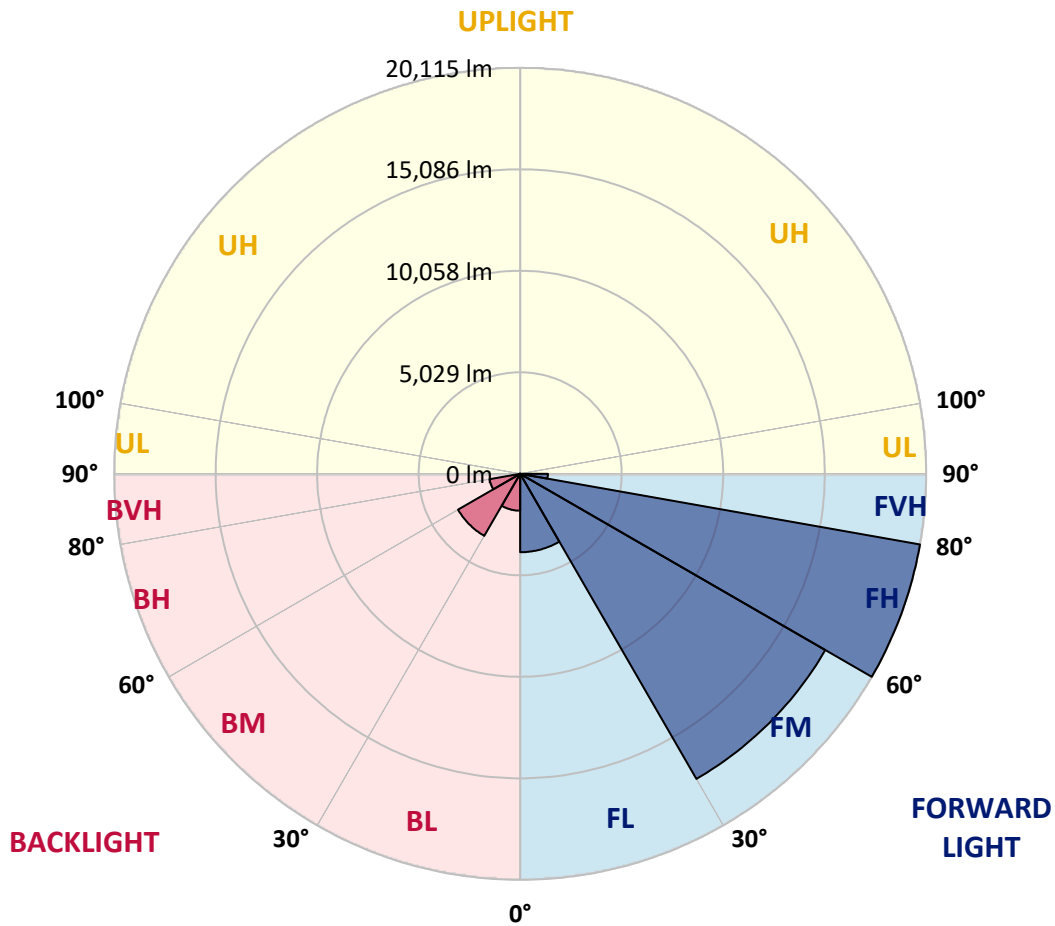
CATALOG NUMBER: GALN-SB9C-850-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 3883.9 | 7.8 | | | |
| FM (30°-60°) | 17452.9 | 35.0 | | | |
| FH (60°-80°) | 20115.3 | 40.4 | | | G5 |
| FVH (80°-90°) | 1370.3 | 2.8 | | | G5 |
| BL (0°-30°) | 1827.9 | 3.7 | B3/2500 | | |
| BM (30°-60°) | 3551.1 | 7.1 | B3/5000 | | |
| BH (60°-80°) | 1539.8 | 3.1 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 54.7 | 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



REPORT NUMBER: P957210

CATALOG NUMBER: GALN-SB9C-850-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 |
| 2.5° | 7790.5 | 7656.7 | 7577.8 | 7382.3 | 7186.7 | 7028.9 | 6816.3 | 6675.6 | 6507.5 | 6346.3 |
| 5° | 8682.4 | 8466.3 | 8205.6 | 7848.8 | 7522.9 | 7190.2 | 6867.7 | 6548.7 | 6212.5 | 5903.8 |
| 7.5° | 9437.1 | 9124.9 | 8665.3 | 8191.9 | 7776.8 | 7375.4 | 6998.1 | 6576.1 | 6167.9 | 5684.2 |
| 10° | 10013.4 | 9615.5 | 9011.7 | 8390.8 | 7914.0 | 7509.2 | 7142.1 | 6785.4 | 6373.7 | 5790.6 |
| 12.5° | 10363.3 | 9937.9 | 9221.0 | 8493.7 | 7948.3 | 7495.5 | 7210.8 | 7053.0 | 6891.7 | 6312.0 |
| 15° | 10620.6 | 10160.9 | 9368.5 | 8565.8 | 7869.4 | 7313.7 | 7104.4 | 7262.2 | 7447.5 | 7077.0 |
| 17.5° | 10888.2 | 10404.5 | 9560.6 | 8596.6 | 7656.7 | 6960.3 | 6871.1 | 7279.4 | 7708.2 | 7691.0 |
| 20° | 11142.0 | 10661.8 | 9728.7 | 8576.1 | 7313.7 | 6531.5 | 6610.4 | 7131.9 | 7629.3 | 7838.5 |
| 22.5° | 11433.6 | 10925.9 | 9889.9 | 8497.2 | 6867.7 | 6130.2 | 6377.2 | 6898.6 | 7334.2 | 7581.2 |
| 25° | 11790.4 | 11258.7 | 10116.3 | 8380.5 | 6387.4 | 5797.4 | 6140.5 | 6627.6 | 6980.9 | 7152.4 |
| 27.5° | 12174.6 | 11656.6 | 10418.2 | 8318.8 | 5999.8 | 5560.7 | 5872.9 | 6305.1 | 6620.7 | 6740.8 |
| 30° | 12651.4 | 12119.7 | 10775.0 | 8250.2 | 5746.0 | 5423.5 | 5595.0 | 5931.2 | 6239.9 | 6360.0 |
| 32.5° | 13172.8 | 12634.3 | 11118.0 | 8085.5 | 5591.6 | 5320.6 | 5324.0 | 5536.7 | 5818.0 | 5962.1 |
| 35° | 13824.6 | 13251.7 | 11485.1 | 7725.3 | 5468.1 | 5200.5 | 5059.9 | 5162.8 | 5396.1 | 5567.6 |
| 37.5° | 14754.3 | 14061.3 | 11934.4 | 7210.8 | 5286.3 | 5015.3 | 4782.0 | 4806.0 | 4984.4 | 5173.1 |
| 40° | 16037.2 | 15148.8 | 12462.7 | 6675.6 | 5025.6 | 4754.6 | 4476.7 | 4466.4 | 4596.8 | 4782.0 |
| 42.5° | 17773.0 | 16586.1 | 13097.4 | 6164.5 | 4775.2 | 4439.0 | 4154.2 | 4137.1 | 4240.0 | 4401.2 |
| 45° | 20064.6 | 18424.8 | 13876.1 | 5725.4 | 4579.6 | 4130.2 | 3848.9 | 3842.1 | 3927.8 | 4068.5 |
| 47.5° | 22997.6 | 20980.5 | 14654.8 | 5426.9 | 4476.7 | 3886.7 | 3598.5 | 3612.2 | 3687.7 | 3814.6 |
| 50° | 26795.0 | 24311.4 | 14891.5 | 5276.0 | 4476.7 | 3756.3 | 3375.5 | 3444.1 | 3505.9 | 3601.9 |
| 52.5° | 31347.2 | 27508.6 | 14109.3 | 5138.8 | 4504.1 | 3773.5 | 3186.9 | 3334.4 | 3379.0 | 3461.3 |
| 55° | 35566.6 | 29076.3 | 12130.0 | 4950.1 | 4511.0 | 3879.8 | 3025.6 | 3245.2 | 3327.5 | 3358.4 |
| 57.5° | 38016.0 | 28537.7 | 9807.6 | 4631.1 | 4483.6 | 3951.8 | 2922.7 | 3135.4 | 3293.2 | 3313.8 |
| 60° | 37549.4 | 26647.5 | 7221.0 | 4387.5 | 4281.2 | 3924.4 | 2891.8 | 2967.3 | 3217.7 | 3248.6 |
| 62.5° | 33954.3 | 23477.8 | 5011.8 | 4198.8 | 3835.2 | 3804.3 | 2881.6 | 2703.2 | 3053.1 | 3128.5 |
| 65° | 27292.5 | 18483.1 | 3540.2 | 3615.7 | 3361.8 | 3543.6 | 2826.7 | 2428.7 | 2854.1 | 2957.0 |
| 67.5° | 19800.4 | 12507.3 | 2555.7 | 2929.6 | 3046.2 | 3121.7 | 2703.2 | 2229.8 | 2627.7 | 2764.9 |
| 70° | 12706.3 | 6754.5 | 1794.1 | 1934.8 | 2566.0 | 2651.7 | 2490.5 | 2051.4 | 2397.9 | 2555.7 |
| 72.5° | 9032.3 | 3989.6 | 1289.8 | 1355.0 | 2061.7 | 2209.2 | 2192.0 | 1852.4 | 2130.3 | 2322.4 |
| 75° | 6233.1 | 2198.9 | 871.3 | 967.4 | 1495.7 | 1794.1 | 1691.2 | 1591.7 | 1804.4 | 1999.9 |
| 77.5° | 3907.3 | 984.5 | 521.4 | 672.4 | 981.1 | 1409.9 | 1159.5 | 1231.5 | 1406.5 | 1588.3 |
| 80° | 2174.9 | 380.8 | 291.6 | 446.0 | 535.1 | 1025.7 | 641.5 | 792.4 | 1036.0 | 1166.3 |
| 82.5° | 473.4 | 48.0 | 130.4 | 192.1 | 209.3 | 596.9 | 339.6 | 459.7 | 651.8 | 641.5 |
| 85° | 0.0 | 0.0 | 24.0 | 27.4 | 13.7 | 257.3 | 123.5 | 150.9 | 212.7 | 199.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 |
| 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6895.2 | 0° | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 |
| 6202.2 | 2.5° | 6174.8 | 6006.7 | 5883.2 | 5821.4 | 5770.0 | 5818.0 | 5845.4 | 5845.4 | 5962.1 | 6030.7 |
| 5715.1 | 5° | 5595.0 | 5293.1 | 5063.3 | 4908.9 | 4816.3 | 4847.2 | 4881.5 | 4919.2 | 5066.7 | 5166.2 |
| 5426.9 | 7.5° | 5193.7 | 4730.6 | 4380.7 | 4164.5 | 4051.3 | 4068.5 | 4092.5 | 4123.4 | 4267.4 | 4366.9 |
| 5468.1 | 10° | 5118.2 | 4452.7 | 3958.7 | 3674.0 | 3536.8 | 3512.8 | 3499.0 | 3488.7 | 3574.5 | 3650.0 |
| 5934.6 | 12.5° | 5426.9 | 4466.4 | 3776.9 | 3430.4 | 3262.3 | 3190.3 | 3108.0 | 3042.8 | 3056.5 | 3104.5 |
| 6641.3 | 15° | 5979.2 | 4641.4 | 3718.6 | 3303.5 | 3094.2 | 2974.2 | 2878.1 | 2799.2 | 2782.1 | 2799.2 |
| 7258.8 | 17.5° | 6610.4 | 4878.1 | 3711.7 | 3193.7 | 2933.0 | 2809.5 | 2730.6 | 2658.6 | 2634.6 | 2638.0 |
| 7605.3 | 20° | 7028.9 | 5066.7 | 3691.1 | 3070.2 | 2778.6 | 2668.9 | 2600.3 | 2528.2 | 2504.2 | 2511.1 |
| 7509.2 | 22.5° | 7070.1 | 5166.2 | 3660.3 | 2933.0 | 2624.3 | 2531.7 | 2463.0 | 2397.9 | 2394.4 | 2394.4 |
| 7149.0 | 25° | 6847.1 | 5166.2 | 3595.1 | 2809.5 | 2476.8 | 2394.4 | 2332.7 | 2253.8 | 2267.5 | 2274.4 |
| 6740.8 | 27.5° | 6500.7 | 5042.7 | 3471.6 | 2710.0 | 2349.8 | 2264.1 | 2202.3 | 2130.3 | 2147.4 | 2157.7 |
| 6360.0 | 30° | 6157.6 | 4884.9 | 3324.1 | 2596.8 | 2229.8 | 2130.3 | 2085.7 | 2024.0 | 2030.8 | 2044.5 |
| 5982.7 | 32.5° | 5838.6 | 4716.8 | 3149.1 | 2504.2 | 2109.7 | 2010.2 | 1975.9 | 1907.3 | 1917.6 | 1931.3 |
| 5612.2 | 35° | 5523.0 | 4531.6 | 2943.3 | 2394.4 | 1999.9 | 1900.5 | 1873.0 | 1794.1 | 1801.0 | 1821.6 |
| 5241.7 | 37.5° | 5183.4 | 4336.1 | 2775.2 | 2284.7 | 1893.6 | 1790.7 | 1763.2 | 1680.9 | 1687.8 | 1711.8 |
| 4857.5 | 40° | 4826.6 | 4144.0 | 2610.6 | 2168.0 | 1780.4 | 1677.5 | 1653.5 | 1564.3 | 1571.1 | 1598.6 |
| 4480.1 | 42.5° | 4466.4 | 3934.7 | 2483.6 | 2017.1 | 1663.8 | 1554.0 | 1530.0 | 1447.6 | 1457.9 | 1488.8 |
| 4150.8 | 45° | 4133.7 | 3684.3 | 2401.3 | 1849.0 | 1554.0 | 1430.5 | 1406.5 | 1331.0 | 1351.6 | 1385.9 |
| 3872.9 | 47.5° | 3848.9 | 3427.0 | 2367.0 | 1708.4 | 1437.3 | 1303.6 | 1283.0 | 1221.2 | 1255.5 | 1293.3 |
| 3636.2 | 50° | 3605.4 | 3180.0 | 2322.4 | 1564.3 | 1327.6 | 1193.8 | 1173.2 | 1132.0 | 1176.6 | 1214.4 |
| 3475.0 | 52.5° | 3430.4 | 2898.7 | 2226.3 | 1433.9 | 1231.5 | 1101.2 | 1094.3 | 1073.7 | 1114.9 | 1149.2 |
| 3355.0 | 55° | 3279.5 | 2607.1 | 2072.0 | 1320.7 | 1145.8 | 1022.3 | 1029.1 | 1018.8 | 1053.1 | 1080.6 |
| 3282.9 | 57.5° | 3142.3 | 2353.3 | 1876.4 | 1231.5 | 1053.1 | 953.7 | 974.2 | 960.5 | 977.7 | 994.8 |
| 3207.4 | 60° | 2977.6 | 2096.0 | 1643.2 | 1132.0 | 943.4 | 885.0 | 909.1 | 871.3 | 867.9 | 874.8 |
| 3070.2 | 62.5° | 2734.0 | 1749.5 | 1399.6 | 1008.5 | 847.3 | 809.6 | 819.9 | 747.8 | 692.9 | 692.9 |
| 2867.8 | 65° | 2394.4 | 1406.5 | 1173.2 | 871.3 | 737.5 | 706.7 | 699.8 | 596.9 | 521.4 | 514.6 |
| 2648.3 | 67.5° | 1999.9 | 1156.1 | 974.2 | 734.1 | 614.0 | 593.5 | 600.3 | 524.9 | 449.4 | 442.5 |
| 2428.7 | 70° | 1629.5 | 957.1 | 785.6 | 586.6 | 473.4 | 494.0 | 524.9 | 449.4 | 377.3 | 367.1 |
| 2171.5 | 72.5° | 1324.1 | 761.6 | 614.0 | 449.4 | 349.9 | 408.2 | 446.0 | 367.1 | 298.4 | 291.6 |
| 1852.4 | 75° | 1022.3 | 559.2 | 439.1 | 305.3 | 253.9 | 315.6 | 349.9 | 267.6 | 212.7 | 202.4 |
| 1433.9 | 77.5° | 682.7 | 346.5 | 247.0 | 192.1 | 150.9 | 216.1 | 233.3 | 140.6 | 123.5 | 120.1 |
| 1042.8 | 80° | 415.1 | 161.2 | 106.3 | 92.6 | 51.5 | 78.9 | 92.6 | 58.3 | 65.2 | 68.6 |
| 555.7 | 82.5° | 209.3 | 44.6 | 17.2 | 3.4 | 0.0 | 0.0 | 27.4 | 13.7 | 27.4 | 34.3 |
| 150.9 | 85° | 17.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 | 17.2 |
| 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 6895.2 | 0° | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 |
| 6058.1 | 2.5° | 6250.2 | 6394.3 | 6531.5 | 6751.1 | 6977.5 | 7200.5 | 7426.9 | 7646.4 | 7725.3 | 7783.6 |
| 5231.4 | 5° | 5529.8 | 5800.8 | 6116.4 | 6552.1 | 7018.6 | 7498.9 | 7986.0 | 8432.0 | 8634.4 | 8771.6 |
| 4452.7 | 7.5° | 4785.4 | 5138.8 | 5591.6 | 6246.8 | 6977.5 | 7742.5 | 8507.5 | 9210.7 | 9536.6 | 9800.7 |
| 3718.6 | 10° | 4047.9 | 4432.1 | 5005.0 | 5752.8 | 6740.8 | 7838.5 | 8895.1 | 9862.5 | 10284.4 | 10617.2 |
| 3190.3 | 12.5° | 3399.6 | 3759.7 | 4360.1 | 5186.8 | 6370.3 | 7763.0 | 9118.1 | 10281.0 | 10778.4 | 11152.3 |
| 2812.9 | 15° | 2943.3 | 3197.2 | 3728.9 | 4620.8 | 5931.2 | 7519.5 | 9131.8 | 10479.9 | 11025.4 | 11416.5 |
| 2655.1 | 17.5° | 2689.5 | 2775.2 | 3121.7 | 4044.5 | 5444.1 | 7200.5 | 9004.9 | 10548.6 | 11131.7 | 11495.4 |
| 2514.5 | 20° | 2552.2 | 2566.0 | 2662.0 | 3296.6 | 4819.7 | 6902.0 | 8884.8 | 10617.2 | 11231.2 | 11536.5 |
| 2415.0 | 22.5° | 2442.5 | 2442.5 | 2466.5 | 2696.3 | 4013.6 | 6545.2 | 8847.1 | 10737.2 | 11368.4 | 11557.1 |
| 2301.8 | 25° | 2343.0 | 2343.0 | 2349.8 | 2411.6 | 3180.0 | 5999.8 | 8823.1 | 10922.5 | 11557.1 | 11608.6 |
| 2188.6 | 27.5° | 2240.1 | 2243.5 | 2243.5 | 2277.8 | 2562.5 | 5258.8 | 8720.1 | 11162.6 | 11783.5 | 11677.2 |
| 2078.8 | 30° | 2137.2 | 2144.0 | 2144.0 | 2168.0 | 2267.5 | 4390.9 | 8517.7 | 11450.8 | 12078.5 | 11766.4 |
| 1969.1 | 32.5° | 2034.2 | 2041.1 | 2041.1 | 2061.7 | 2133.7 | 3505.9 | 8263.9 | 11714.9 | 12377.0 | 11804.1 |
| 1862.7 | 35° | 1927.9 | 1938.2 | 1931.3 | 1958.8 | 2034.2 | 2788.9 | 7941.4 | 11979.0 | 12699.4 | 11924.2 |
| 1759.8 | 37.5° | 1821.6 | 1828.4 | 1825.0 | 1852.4 | 1938.2 | 2408.2 | 7567.5 | 12178.0 | 13138.5 | 12191.7 |
| 1650.0 | 40° | 1715.2 | 1711.8 | 1711.8 | 1742.7 | 1835.3 | 2298.4 | 7097.5 | 12493.6 | 13769.7 | 12661.7 |
| 1540.3 | 42.5° | 1605.4 | 1605.4 | 1598.6 | 1632.9 | 1746.1 | 2216.1 | 6648.2 | 13059.6 | 14689.1 | 13409.5 |
| 1437.3 | 45° | 1506.0 | 1502.5 | 1488.8 | 1519.7 | 1660.3 | 2072.0 | 6490.4 | 14116.2 | 16047.5 | 14620.5 |
| 1334.4 | 47.5° | 1409.9 | 1406.5 | 1372.2 | 1399.6 | 1557.4 | 1941.6 | 7080.4 | 15845.1 | 17930.8 | 16400.9 |
| 1252.1 | 50° | 1324.1 | 1327.6 | 1262.4 | 1286.4 | 1454.5 | 1842.1 | 8359.9 | 18088.6 | 20431.6 | 18798.7 |
| 1183.5 | 52.5° | 1245.2 | 1245.2 | 1159.5 | 1173.2 | 1327.6 | 1752.9 | 9577.7 | 20520.8 | 23731.7 | 22143.4 |
| 1111.5 | 55° | 1166.3 | 1159.5 | 1063.4 | 1070.3 | 1200.6 | 1626.0 | 9759.6 | 22894.7 | 28232.4 | 27175.8 |
| 1032.6 | 57.5° | 1077.2 | 1063.4 | 974.2 | 974.2 | 1084.0 | 1533.4 | 8459.4 | 24719.6 | 33817.1 | 34571.8 |
| 885.0 | 60° | 967.4 | 957.1 | 898.8 | 881.6 | 991.4 | 1615.7 | 5968.9 | 24932.3 | 37419.1 | 44406.8 |
| 703.2 | 62.5° | 826.7 | 840.5 | 809.6 | 785.6 | 902.2 | 1677.5 | 3536.8 | 23220.5 | 36547.7 | 47535.4 |
| 545.4 | 65° | 651.8 | 706.7 | 699.8 | 682.7 | 991.4 | 1413.3 | 2089.1 | 19934.2 | 33875.4 | 45010.6 |
| 476.8 | 67.5° | 555.7 | 593.5 | 583.2 | 583.2 | 1039.4 | 1073.7 | 1313.9 | 15574.1 | 30198.0 | 42015.8 |
| 397.9 | 70° | 473.4 | 511.1 | 473.4 | 473.4 | 785.6 | 651.8 | 909.1 | 10874.4 | 26229.0 | 38702.0 |
| 319.0 | 72.5° | 391.1 | 428.8 | 387.6 | 360.2 | 627.8 | 487.1 | 665.5 | 6795.7 | 22462.4 | 35251.0 |
| 226.4 | 75° | 298.4 | 343.0 | 312.2 | 277.9 | 415.1 | 363.6 | 504.3 | 3948.4 | 18610.1 | 30160.3 |
| 137.2 | 77.5° | 188.7 | 247.0 | 233.3 | 195.5 | 305.3 | 264.1 | 363.6 | 2349.8 | 14359.8 | 23567.0 |
| 82.3 | 80° | 116.6 | 126.9 | 130.4 | 123.5 | 175.0 | 178.4 | 247.0 | 1337.9 | 9828.2 | 16424.9 |
| 51.5 | 82.5° | 75.5 | 75.5 | 58.3 | 65.2 | 85.8 | 102.9 | 140.6 | 504.3 | 5776.8 | 9999.7 |
| 30.9 | 85° | 54.9 | 48.0 | 30.9 | 30.9 | 41.2 | 51.5 | 54.9 | 154.4 | 2343.0 | 3948.4 |
| 13.7 | 87.5° | 27.4 | 24.0 | 10.3 | 13.7 | 20.6 | 17.2 | 13.7 | 6.9 | 590.0 | 1262.4 |
| 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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