

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: P957565

Luminaire Tested: **GALN-SB9D-850-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957565
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-SB9D-850-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 900mA 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: 67662 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

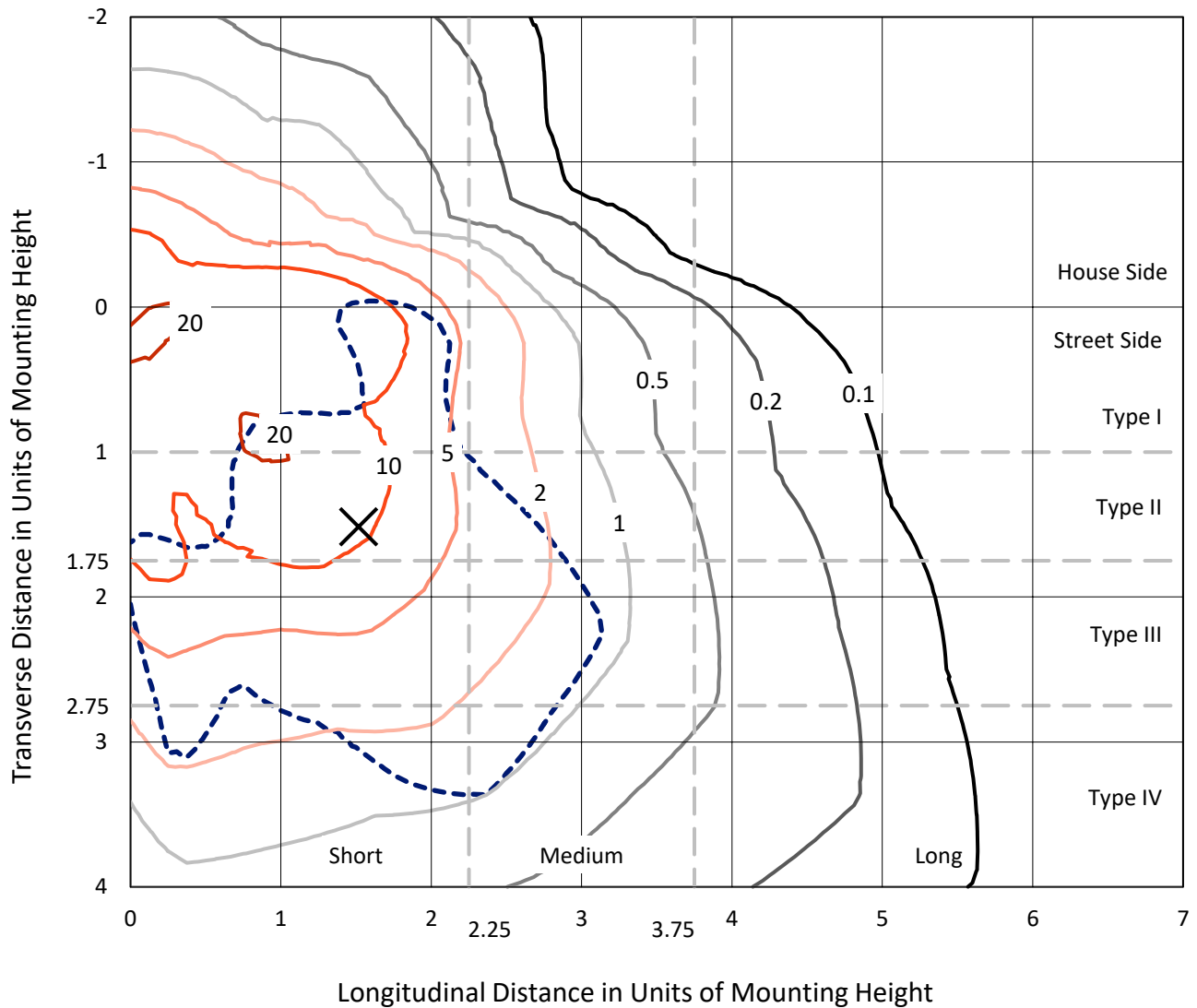
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P957565
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Iso-Footcandle Lines of Horizontal Illumination

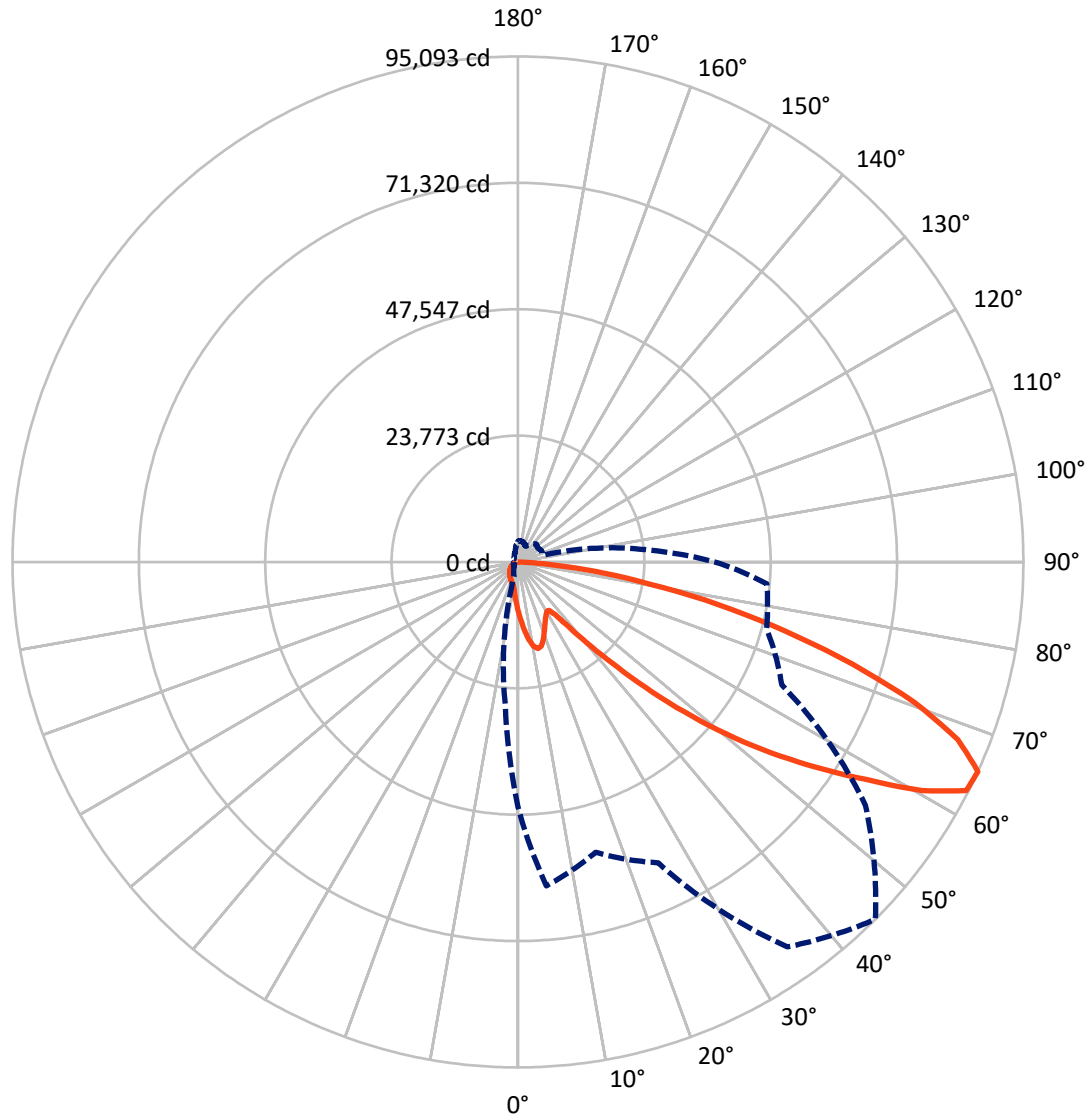
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P957565
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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 | 13449.1 | 0.0 | 13449.1 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| Street Side | Lumens | 54212.9 | 0.0 | 54212.9 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| Total | Lumens | 67662.0 | 0.0 | 67662.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 922.4 | 1.4 |
| 10°-20° | 2765.1 | 4.1 |
| 20°-30° | 4073.6 | 6.0 |
| 30°-40° | 5233.4 | 7.7 |
| 40°-50° | 8464.0 | 12.5 |
| 50°-60° | 14842.5 | 21.9 |
| 60°-70° | 18572.0 | 27.4 |
| 70°-80° | 10852.6 | 16.0 |
| 80°-90° | 1936.3 | 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° | 67662.0 | 100.0 |
| 0°-180° | 67662.0 | 100.0 |



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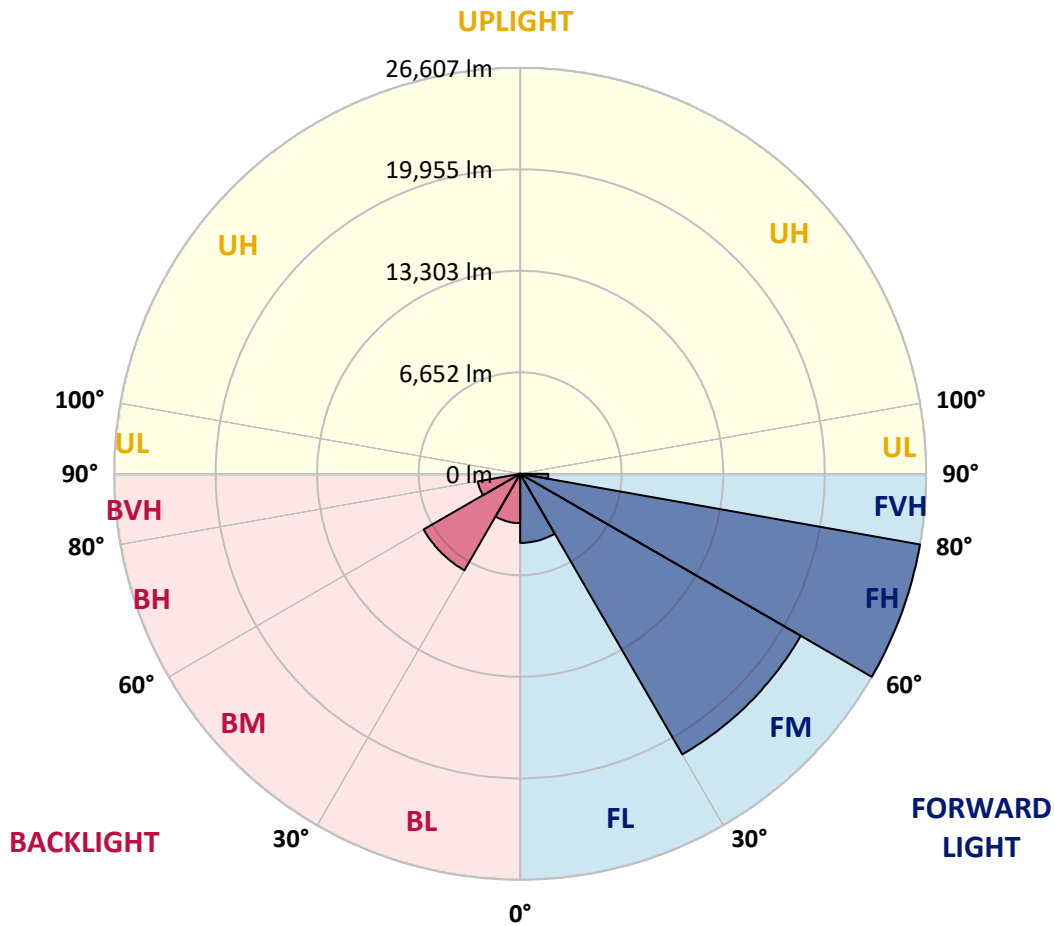
CATALOG NUMBER: GALN-SB9D-850-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 4527.4 | 6.7 | | | |
| FM (30°-60°) | 21233.1 | 31.4 | | | |
| FH (60°-80°) | 26606.8 | 39.3 | | | G5 |
| FVH (80°-90°) | 1845.5 | 2.7 | | | G5 |
| BL (0°-30°) | 3233.7 | 4.8 | B4/5000 | | |
| BM (30°-60°) | 7306.8 | 10.8 | B4/8500 | | |
| BH (60°-80°) | 2817.8 | 4.2 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 90.7 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 |
| 2.5° | 10497.0 | 10576.3 | 10753.4 | 10846.6 | 10991.1 | 11000.4 | 11000.4 | 10874.6 | 10869.9 | 10613.6 |
| 5° | 11732.3 | 11918.7 | 12338.2 | 12771.7 | 12864.9 | 12888.2 | 12841.6 | 12589.9 | 12403.5 | 11904.7 |
| 7.5° | 12958.1 | 13317.1 | 13955.6 | 14533.6 | 14720.1 | 14720.1 | 14608.2 | 14198.0 | 13815.8 | 13093.3 |
| 10° | 13974.3 | 14426.4 | 15293.4 | 15941.3 | 16155.7 | 16109.1 | 15880.7 | 15363.3 | 14836.6 | 13960.3 |
| 12.5° | 14645.5 | 15153.6 | 16104.5 | 16626.5 | 16845.6 | 16724.4 | 16463.4 | 15960.0 | 15405.3 | 14482.4 |
| 15° | 14981.1 | 15512.5 | 16337.5 | 16612.5 | 16551.9 | 16426.1 | 16393.5 | 16151.1 | 15731.6 | 14869.2 |
| 17.5° | 15125.6 | 15619.7 | 16193.0 | 16020.6 | 15507.8 | 15409.9 | 15736.2 | 16043.9 | 15941.3 | 15204.9 |
| 20° | 15260.8 | 15675.6 | 15848.1 | 15083.7 | 14188.7 | 14100.1 | 14724.7 | 15601.1 | 16048.5 | 15517.2 |
| 22.5° | 15447.2 | 15703.6 | 15349.3 | 14095.5 | 13130.6 | 12925.5 | 13615.4 | 14934.5 | 16081.2 | 15913.4 |
| 25° | 15703.6 | 15773.5 | 14799.3 | 13158.6 | 12189.1 | 11984.0 | 12627.2 | 14193.4 | 16025.2 | 16342.2 |
| 27.5° | 16011.2 | 15866.7 | 14272.6 | 12375.5 | 11438.6 | 11247.5 | 11890.7 | 13480.2 | 15866.7 | 16771.0 |
| 30° | 16412.1 | 15987.9 | 13750.6 | 11769.5 | 10902.6 | 10762.7 | 11382.7 | 12864.9 | 15671.0 | 17316.4 |
| 32.5° | 16817.6 | 16039.2 | 13265.8 | 11415.3 | 10781.4 | 10832.6 | 11340.7 | 12534.0 | 15456.6 | 17838.4 |
| 35° | 17255.8 | 16202.3 | 13028.1 | 11764.9 | 11792.8 | 12240.3 | 12450.1 | 12841.6 | 15423.9 | 18546.9 |
| 37.5° | 17852.4 | 16565.9 | 13312.4 | 13503.5 | 14473.0 | 15400.6 | 15228.2 | 14347.2 | 15801.5 | 19605.0 |
| 40° | 18710.1 | 17204.5 | 14552.3 | 16463.4 | 18453.7 | 19959.3 | 19302.0 | 17083.3 | 16957.5 | 21129.2 |
| 42.5° | 19959.3 | 18220.7 | 16752.4 | 20080.5 | 23455.2 | 25934.9 | 24173.0 | 20611.8 | 18980.4 | 23306.0 |
| 45° | 21805.1 | 19866.1 | 19413.9 | 23898.0 | 29622.0 | 33528.0 | 29864.3 | 24373.4 | 21814.4 | 26601.5 |
| 47.5° | 24364.1 | 22285.2 | 21907.7 | 27920.6 | 37117.2 | 42169.9 | 36175.6 | 27860.0 | 25040.0 | 31094.9 |
| 50° | 27762.1 | 25543.4 | 24270.9 | 32320.8 | 45334.9 | 50979.6 | 42482.2 | 31225.4 | 28736.3 | 36585.8 |
| 52.5° | 32246.2 | 30088.1 | 27025.7 | 36511.2 | 53785.6 | 59602.8 | 48816.8 | 34180.6 | 33323.0 | 42957.7 |
| 55° | 38361.7 | 36926.1 | 30791.9 | 40510.5 | 62231.7 | 68277.3 | 54904.3 | 36968.0 | 39382.5 | 50527.5 |
| 57.5° | 45950.2 | 46975.6 | 36222.2 | 45148.4 | 69824.9 | 77217.5 | 61019.8 | 40864.8 | 47250.6 | 58992.2 |
| 60° | 50844.4 | 60339.3 | 46621.4 | 52005.1 | 78452.7 | 87327.7 | 69400.7 | 48276.1 | 55519.6 | 62026.7 |
| 62.5° | 49660.5 | 64590.3 | 59076.1 | 60758.8 | 86386.1 | 94678.4 | 77613.7 | 55720.0 | 57076.5 | 57556.6 |
| 65° | 46029.4 | 61159.7 | 56535.8 | 62460.1 | 88395.1 | 95093.2 | 79809.2 | 54759.8 | 48415.9 | 46989.6 |
| 67.5° | 41032.6 | 57090.4 | 50499.5 | 57948.1 | 84764.0 | 89294.7 | 75721.3 | 48439.2 | 37415.5 | 35262.0 |
| 70° | 35639.6 | 52587.7 | 46537.5 | 52886.0 | 77842.1 | 79189.2 | 68771.4 | 42603.4 | 27519.8 | 23814.1 |
| 72.5° | 30521.6 | 47898.5 | 43824.6 | 47698.1 | 68608.3 | 65820.9 | 59724.0 | 37443.5 | 20038.5 | 17176.5 |
| 75° | 25287.0 | 40981.3 | 39960.5 | 41536.0 | 56465.8 | 51846.6 | 49623.2 | 31001.7 | 15726.9 | 12426.8 |
| 77.5° | 19511.8 | 32022.5 | 34371.7 | 33262.4 | 39746.1 | 38510.9 | 38464.3 | 23296.7 | 11489.9 | 8292.3 |
| 80° | 13354.4 | 22317.8 | 26853.2 | 23464.5 | 25795.1 | 25165.8 | 28969.4 | 15629.0 | 8334.2 | 4992.2 |
| 82.5° | 7849.5 | 13587.4 | 18691.4 | 11359.4 | 14263.3 | 14640.8 | 17251.1 | 7602.4 | 4903.6 | 1151.3 |
| 85° | 3183.6 | 5365.0 | 7308.8 | 4446.8 | 6879.9 | 5803.2 | 6549.0 | 2134.8 | 1365.7 | 28.0 |
| 87.5° | 801.7 | 1715.3 | 1202.6 | 498.7 | 797.1 | 731.8 | 578.0 | 261.0 | 55.9 | 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° |
|---------|-------|---------|---------|---------|---------|---------|--------|--------|---------|---------|---------|
| 9369.0 | 0° | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 |
| 10585.6 | 2.5° | 10403.8 | 10296.6 | 10030.9 | 9765.2 | 9550.8 | 9261.8 | 9070.7 | 8842.3 | 8623.2 | 8427.5 |
| 11797.5 | 5° | 11503.9 | 11149.6 | 10664.8 | 10222.0 | 9769.9 | 9331.7 | 8898.2 | 8441.4 | 8021.9 | 7765.6 |
| 12823.0 | 7.5° | 12398.8 | 11774.2 | 11131.0 | 10567.0 | 10021.6 | 9508.9 | 8935.5 | 8380.8 | 7723.6 | 7374.0 |
| 13606.1 | 10° | 13065.4 | 12245.0 | 11401.3 | 10753.4 | 10203.4 | 9704.6 | 9219.9 | 8660.5 | 7868.1 | 7430.0 |
| 14081.5 | 12.5° | 13503.5 | 12529.3 | 11541.1 | 10800.0 | 10184.7 | 9797.9 | 9583.4 | 9364.4 | 8576.6 | 8063.9 |
| 14431.1 | 15° | 13806.5 | 12729.8 | 11639.0 | 10692.8 | 9937.7 | 9653.4 | 9867.8 | 10119.5 | 9616.1 | 9024.1 |
| 14794.7 | 17.5° | 14137.4 | 12990.8 | 11681.0 | 10403.8 | 9457.6 | 9336.4 | 9891.1 | 10473.7 | 10450.4 | 9863.1 |
| 15139.6 | 20° | 14487.0 | 13219.2 | 11653.0 | 9937.7 | 8874.9 | 8982.1 | 9690.6 | 10366.5 | 10650.9 | 10333.9 |
| 15535.8 | 22.5° | 14845.9 | 13438.3 | 11545.8 | 9331.7 | 8329.6 | 8665.2 | 9373.7 | 9965.7 | 10301.3 | 10203.4 |
| 16020.6 | 25° | 15298.1 | 13745.9 | 11387.3 | 8679.2 | 7877.4 | 8343.6 | 9005.4 | 9485.6 | 9718.6 | 9714.0 |
| 16542.6 | 27.5° | 15838.8 | 14156.1 | 11303.4 | 8152.4 | 7555.8 | 7980.0 | 8567.3 | 8996.1 | 9159.3 | 9159.3 |
| 17190.5 | 30° | 16468.0 | 14640.8 | 11210.2 | 7807.5 | 7369.4 | 7602.4 | 8059.2 | 8478.7 | 8641.9 | 8641.9 |
| 17899.0 | 32.5° | 17167.2 | 15107.0 | 10986.5 | 7597.8 | 7229.5 | 7234.2 | 7523.2 | 7905.4 | 8101.2 | 8129.1 |
| 18784.7 | 35° | 18006.2 | 15605.7 | 10497.0 | 7430.0 | 7066.4 | 6875.3 | 7015.1 | 7332.1 | 7565.1 | 7625.7 |
| 20047.8 | 37.5° | 19106.3 | 16216.3 | 9797.9 | 7182.9 | 6814.7 | 6497.7 | 6530.3 | 6772.7 | 7029.1 | 7122.3 |
| 21791.1 | 40° | 20583.9 | 16934.2 | 9070.7 | 6828.7 | 6460.4 | 6082.9 | 6068.9 | 6246.0 | 6497.7 | 6600.3 |
| 24149.7 | 42.5° | 22536.9 | 17796.5 | 8376.2 | 6488.4 | 6031.6 | 5644.7 | 5621.4 | 5761.2 | 5980.3 | 6087.5 |
| 27263.4 | 45° | 25035.3 | 18854.6 | 7779.6 | 6222.7 | 5612.1 | 5229.9 | 5220.5 | 5337.1 | 5528.2 | 5640.1 |
| 31248.7 | 47.5° | 28507.9 | 19912.7 | 7374.0 | 6082.9 | 5281.1 | 4889.6 | 4908.2 | 5010.8 | 5183.3 | 5262.5 |
| 36408.7 | 50° | 33034.0 | 20234.3 | 7168.9 | 6082.9 | 5104.0 | 4586.6 | 4679.8 | 4763.8 | 4894.3 | 4940.9 |
| 42594.1 | 52.5° | 37378.2 | 19171.5 | 6982.5 | 6120.2 | 5127.3 | 4330.3 | 4530.7 | 4591.3 | 4703.2 | 4721.8 |
| 48327.4 | 55° | 39508.4 | 16482.0 | 6726.1 | 6129.5 | 5271.8 | 4111.2 | 4409.5 | 4521.4 | 4563.3 | 4558.7 |
| 51655.5 | 57.5° | 38776.6 | 13326.4 | 6292.6 | 6092.2 | 5369.7 | 3971.3 | 4260.3 | 4474.8 | 4502.7 | 4460.8 |
| 51021.5 | 60° | 36208.2 | 9811.8 | 5961.7 | 5817.2 | 5332.4 | 3929.4 | 4031.9 | 4372.2 | 4414.2 | 4358.2 |
| 46136.6 | 62.5° | 31901.3 | 6810.0 | 5705.3 | 5211.2 | 5169.3 | 3915.4 | 3673.0 | 4148.5 | 4251.0 | 4171.8 |
| 37084.5 | 65° | 25114.6 | 4810.4 | 4912.9 | 4568.0 | 4815.0 | 3840.8 | 3300.1 | 3878.1 | 4018.0 | 3896.8 |
| 26904.5 | 67.5° | 16994.8 | 3472.6 | 3980.7 | 4139.2 | 4241.7 | 3673.0 | 3029.8 | 3570.5 | 3756.9 | 3598.5 |
| 17265.1 | 70° | 9177.9 | 2437.8 | 2628.9 | 3486.6 | 3603.1 | 3384.0 | 2787.4 | 3258.2 | 3472.6 | 3300.1 |
| 12273.0 | 72.5° | 5421.0 | 1752.6 | 1841.2 | 2801.4 | 3001.8 | 2978.5 | 2517.1 | 2894.6 | 3155.6 | 2950.5 |
| 8469.4 | 75° | 2987.8 | 1183.9 | 1314.5 | 2032.3 | 2437.8 | 2298.0 | 2162.8 | 2451.8 | 2717.5 | 2517.1 |
| 5309.1 | 77.5° | 1337.8 | 708.5 | 913.6 | 1333.1 | 1915.8 | 1575.5 | 1673.4 | 1911.1 | 2158.1 | 1948.4 |
| 2955.2 | 80° | 517.4 | 396.2 | 606.0 | 727.1 | 1393.7 | 871.6 | 1076.7 | 1407.7 | 1584.8 | 1417.0 |
| 643.2 | 82.5° | 65.3 | 177.1 | 261.0 | 284.3 | 811.0 | 461.5 | 624.6 | 885.6 | 871.6 | 755.1 |
| 0.0 | 85° | 0.0 | 32.6 | 37.3 | 18.6 | 349.6 | 167.8 | 205.1 | 289.0 | 270.3 | 205.1 |
| 0.0 | 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.3 | 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9369.0 | 0° | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 | 9369.0 |
| 8390.2 | 2.5° | 8161.8 | 7994.0 | 7910.1 | 7840.1 | 7905.4 | 7942.7 | 7942.7 | 8101.2 | 8194.4 | 8231.7 |
| 7602.4 | 5° | 7192.2 | 6879.9 | 6670.2 | 6544.3 | 6586.3 | 6632.9 | 6684.2 | 6884.6 | 7019.8 | 7108.3 |
| 7057.1 | 7.5° | 6427.8 | 5952.4 | 5658.7 | 5504.9 | 5528.2 | 5560.8 | 5602.8 | 5798.5 | 5933.7 | 6050.2 |
| 6954.5 | 10° | 6050.2 | 5379.0 | 4992.2 | 4805.7 | 4773.1 | 4754.4 | 4740.4 | 4857.0 | 4959.5 | 5052.7 |
| 7374.0 | 12.5° | 6068.9 | 5132.0 | 4661.2 | 4432.8 | 4334.9 | 4223.1 | 4134.5 | 4153.1 | 4218.4 | 4334.9 |
| 8124.5 | 15° | 6306.6 | 5052.7 | 4488.7 | 4204.4 | 4041.3 | 3910.8 | 3803.5 | 3780.2 | 3803.5 | 3822.2 |
| 8982.1 | 17.5° | 6628.2 | 5043.4 | 4339.6 | 3985.3 | 3817.5 | 3710.3 | 3612.4 | 3579.8 | 3584.5 | 3607.8 |
| 9550.8 | 20° | 6884.6 | 5015.5 | 4171.8 | 3775.6 | 3626.4 | 3533.2 | 3435.3 | 3402.7 | 3412.0 | 3416.7 |
| 9606.7 | 22.5° | 7019.8 | 4973.5 | 3985.3 | 3565.8 | 3440.0 | 3346.7 | 3258.2 | 3253.5 | 3253.5 | 3281.5 |
| 9303.8 | 25° | 7019.8 | 4884.9 | 3817.5 | 3365.4 | 3253.5 | 3169.6 | 3062.4 | 3081.1 | 3090.4 | 3127.7 |
| 8833.0 | 27.5° | 6852.0 | 4717.1 | 3682.4 | 3192.9 | 3076.4 | 2992.5 | 2894.6 | 2917.9 | 2931.9 | 2973.8 |
| 8366.9 | 30° | 6637.6 | 4516.7 | 3528.5 | 3029.8 | 2894.6 | 2834.0 | 2750.1 | 2759.4 | 2778.1 | 2824.7 |
| 7933.4 | 32.5° | 6409.2 | 4279.0 | 3402.7 | 2866.6 | 2731.5 | 2684.9 | 2591.6 | 2605.6 | 2624.3 | 2675.5 |
| 7504.5 | 35° | 6157.5 | 3999.3 | 3253.5 | 2717.5 | 2582.3 | 2545.0 | 2437.8 | 2447.1 | 2475.1 | 2531.0 |
| 7043.1 | 37.5° | 5891.8 | 3770.9 | 3104.4 | 2573.0 | 2433.1 | 2395.9 | 2284.0 | 2293.3 | 2325.9 | 2391.2 |
| 6558.3 | 40° | 5630.7 | 3547.2 | 2945.9 | 2419.2 | 2279.3 | 2246.7 | 2125.5 | 2134.8 | 2172.1 | 2242.0 |
| 6068.9 | 42.5° | 5346.4 | 3374.7 | 2740.8 | 2260.7 | 2111.5 | 2078.9 | 1967.0 | 1981.0 | 2023.0 | 2092.9 |
| 5616.8 | 45° | 5006.1 | 3262.8 | 2512.4 | 2111.5 | 1943.7 | 1911.1 | 1808.5 | 1836.5 | 1883.1 | 1953.0 |
| 5229.9 | 47.5° | 4656.5 | 3216.2 | 2321.3 | 1953.0 | 1771.3 | 1743.3 | 1659.4 | 1706.0 | 1757.3 | 1813.2 |
| 4898.9 | 50° | 4320.9 | 3155.6 | 2125.5 | 1803.9 | 1622.1 | 1594.1 | 1538.2 | 1598.8 | 1650.1 | 1701.3 |
| 4661.2 | 52.5° | 3938.7 | 3025.1 | 1948.4 | 1673.4 | 1496.2 | 1486.9 | 1459.0 | 1514.9 | 1561.5 | 1608.1 |
| 4456.1 | 55° | 3542.5 | 2815.4 | 1794.6 | 1556.8 | 1389.0 | 1398.4 | 1384.4 | 1431.0 | 1468.3 | 1510.2 |
| 4269.7 | 57.5° | 3197.6 | 2549.7 | 1673.4 | 1431.0 | 1295.8 | 1323.8 | 1305.1 | 1328.4 | 1351.7 | 1403.0 |
| 4045.9 | 60° | 2848.0 | 2232.7 | 1538.2 | 1281.8 | 1202.6 | 1235.2 | 1183.9 | 1179.3 | 1188.6 | 1202.6 |
| 3715.0 | 62.5° | 2377.2 | 1901.8 | 1370.4 | 1151.3 | 1100.0 | 1114.0 | 1016.1 | 941.6 | 941.6 | 955.5 |
| 3253.5 | 65° | 1911.1 | 1594.1 | 1183.9 | 1002.2 | 960.2 | 950.9 | 811.0 | 708.5 | 699.2 | 741.1 |
| 2717.5 | 67.5° | 1570.8 | 1323.8 | 997.5 | 834.4 | 806.4 | 815.7 | 713.2 | 610.6 | 601.3 | 647.9 |
| 2214.1 | 70° | 1300.5 | 1067.4 | 797.1 | 643.2 | 671.2 | 713.2 | 610.6 | 512.7 | 498.7 | 540.7 |
| 1799.2 | 72.5° | 1034.8 | 834.4 | 610.6 | 475.4 | 554.7 | 606.0 | 498.7 | 405.5 | 396.2 | 433.5 |
| 1389.0 | 75° | 759.8 | 596.6 | 414.8 | 344.9 | 428.8 | 475.4 | 363.6 | 289.0 | 275.0 | 307.6 |
| 927.6 | 77.5° | 470.8 | 335.6 | 261.0 | 205.1 | 293.7 | 317.0 | 191.1 | 167.8 | 163.1 | 186.4 |
| 564.0 | 80° | 219.1 | 144.5 | 125.9 | 69.9 | 107.2 | 125.9 | 79.2 | 88.6 | 93.2 | 111.9 |
| 284.3 | 82.5° | 60.6 | 23.3 | 4.7 | 0.0 | 0.0 | 37.3 | 18.6 | 37.3 | 46.6 | 69.9 |
| 23.3 | 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.3 | 23.3 | 42.0 |
| 0.0 | 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.6 |
| 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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