

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: P956034

Luminaire Tested: **GALN-SB8D-760-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956034
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-SB8D-760-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 5700K, 900mA 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: 66440 lumens
Efficiency: N/A
Efficacy: 113.6 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

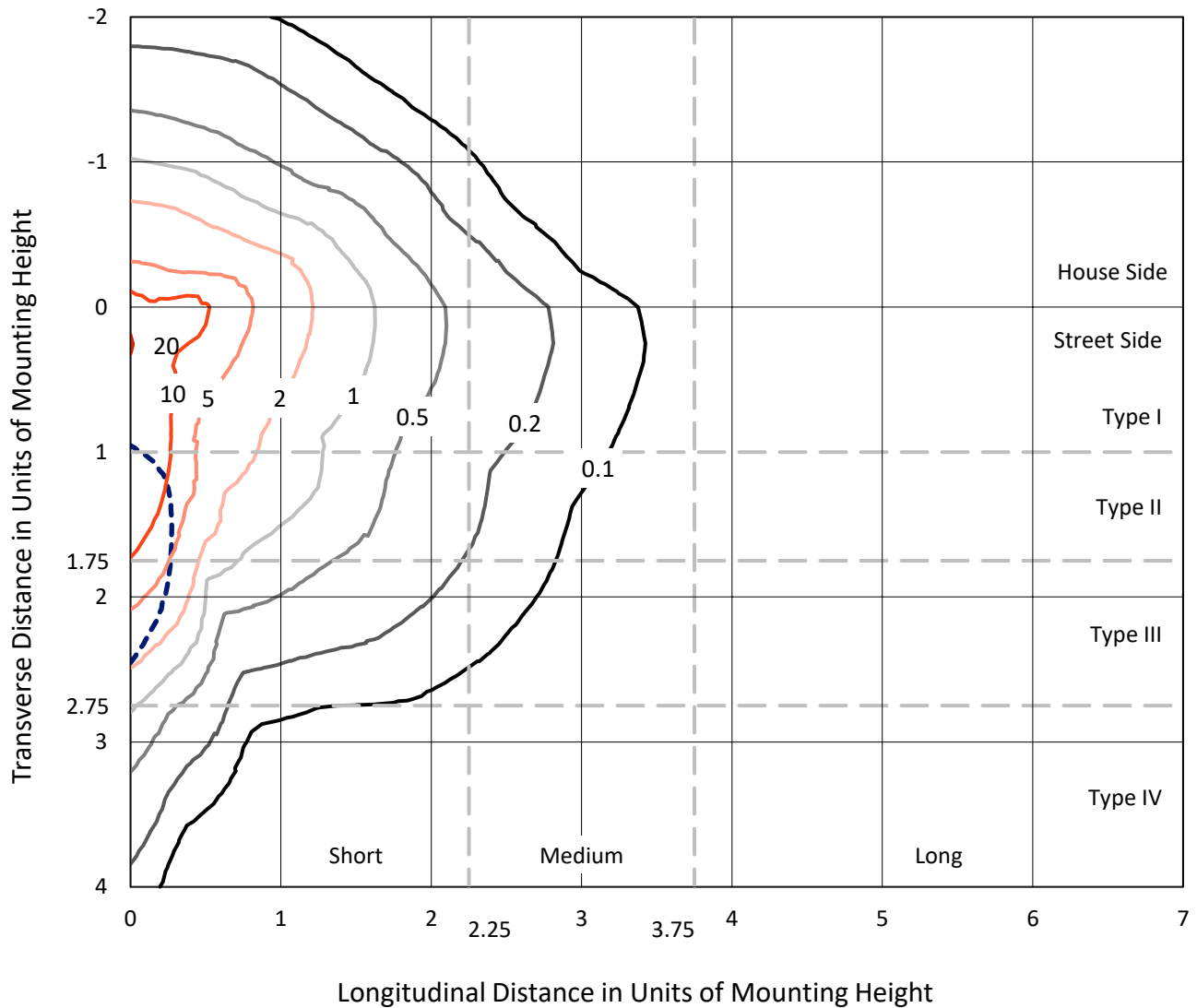
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P956034
 CATALOG NUMBER: GALN-SB8D-760-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

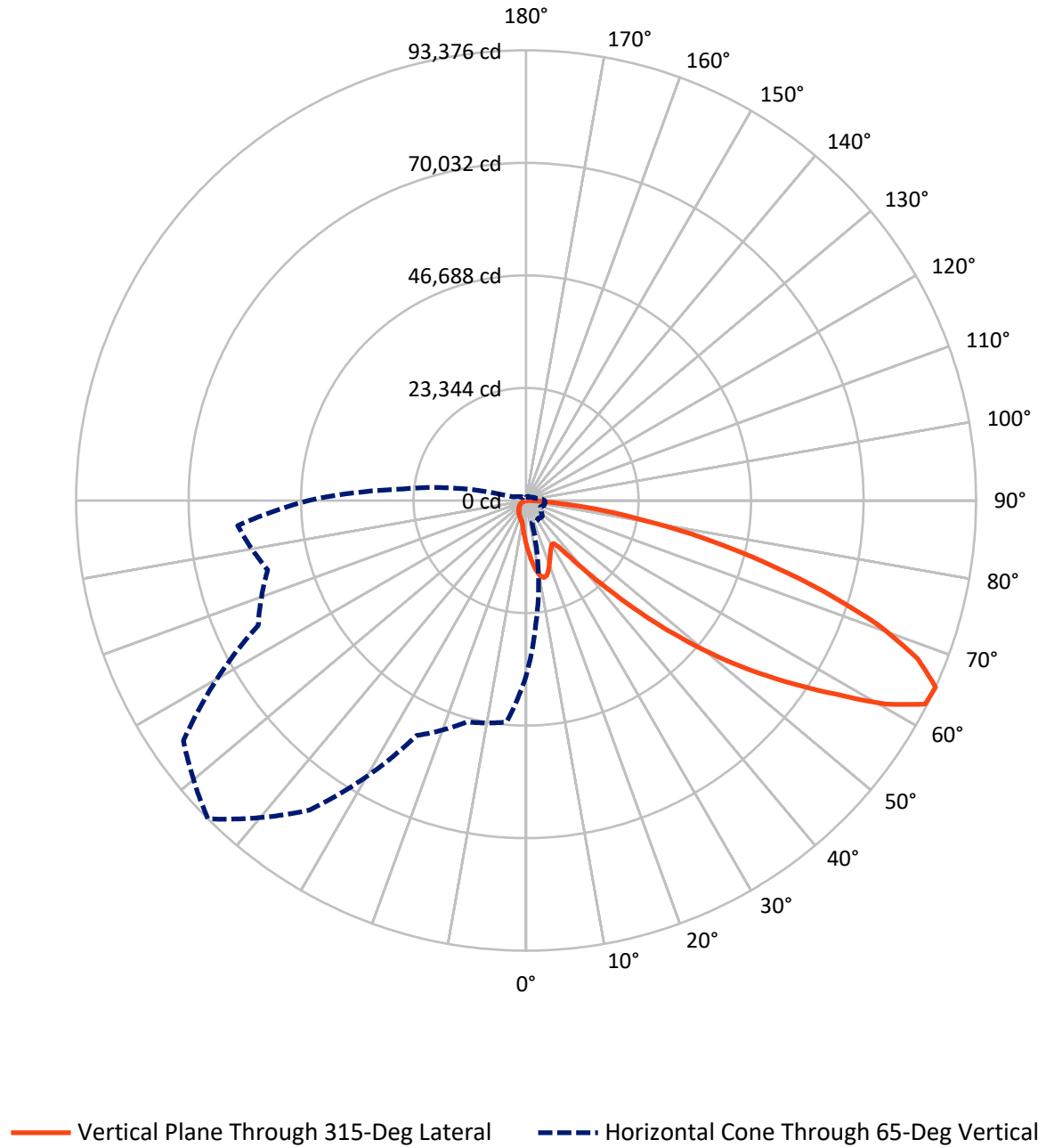
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9304.4 | 0.0 | 9304.4 |
| | % Fixture | 14.0 | 0.0 | 14.0 |
| Street Side | Lumens | 57135.6 | 0.0 | 57135.6 |
| | % Fixture | 86.0 | 0.0 | 86.0 |
| Total | Lumens | 66440.0 | 0.0 | 66440.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 905.8 | 1.4 |
| 10°-20° | 2715.2 | 4.1 |
| 20°-30° | 4000.0 | 6.0 |
| 30°-40° | 5138.9 | 7.7 |
| 40°-50° | 8311.2 | 12.5 |
| 50°-60° | 14574.4 | 21.9 |
| 60°-70° | 18236.6 | 27.4 |
| 70°-80° | 10656.6 | 16.0 |
| 80°-90° | 1901.3 | 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° | 66440.0 | 100.0 |
| 0°-180° | 66440.0 | 100.0 |

Coefficient of Utilization



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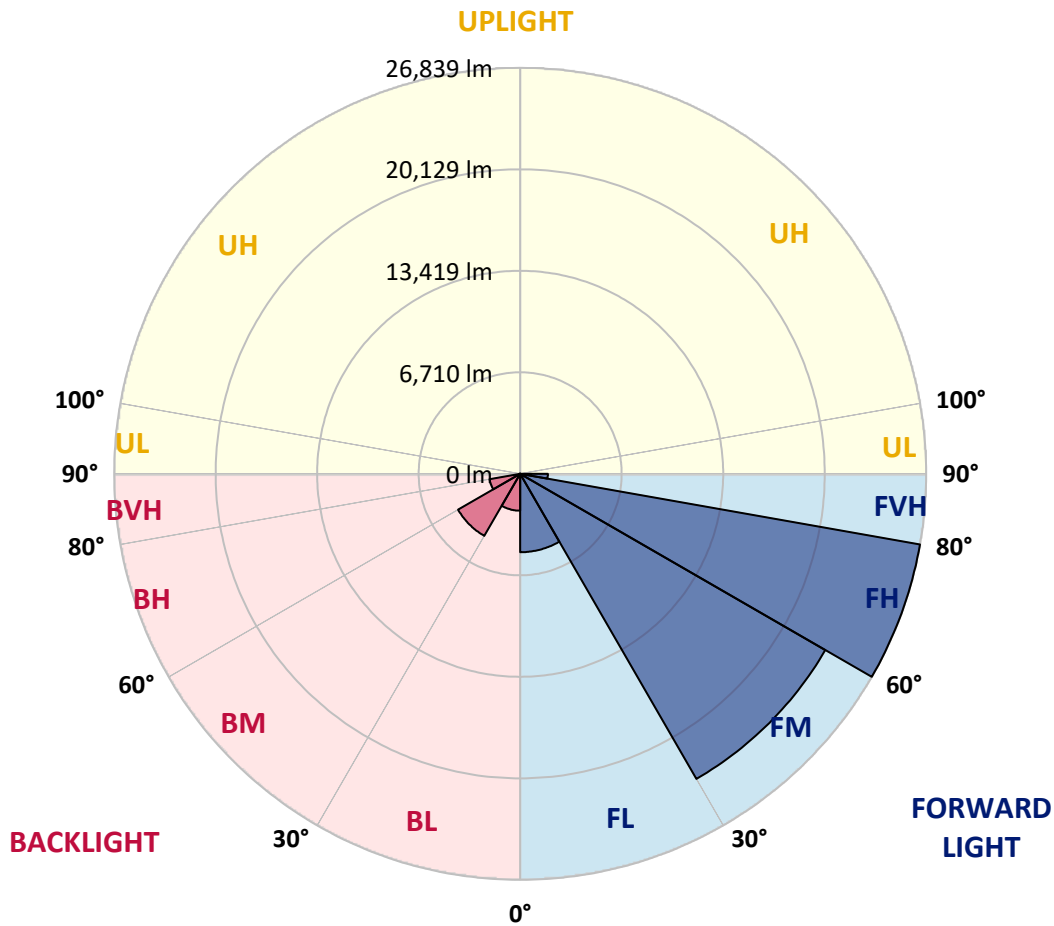
CATALOG NUMBER: GALN-SB8D-760-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 5182.1 | 7.8 | | | |
| FM (30°-60°) | 23286.5 | 35.0 | | | |
| FH (60°-80°) | 26838.7 | 40.4 | | | G5 |
| FVH (80°-90°) | 1828.3 | 2.8 | | | G5 |
| BL (0°-30°) | 2438.9 | 3.7 | B3/2500 | | |
| BM (30°-60°) | 4738.0 | 7.1 | B3/5000 | | |
| BH (60°-80°) | 2054.5 | 3.1 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 73.0 | 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



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CATALOG NUMBER: GALN-SB8D-760-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|--------|--------|---------|---------|
| 0° | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 |
| 2.5° | 10394.4 | 10215.9 | 10110.6 | 9849.8 | 9588.9 | 9378.3 | 9094.5 | 8906.9 | 8682.6 | 8467.5 |
| 5° | 11584.4 | 11296.1 | 10948.2 | 10472.2 | 10037.4 | 9593.4 | 9163.2 | 8737.5 | 8289.0 | 7877.1 |
| 7.5° | 12591.4 | 12174.9 | 11561.6 | 10929.9 | 10376.1 | 9840.6 | 9337.1 | 8774.2 | 8229.5 | 7584.1 |
| 10° | 13360.3 | 12829.4 | 12023.8 | 11195.4 | 10559.2 | 10019.1 | 9529.4 | 9053.3 | 8504.1 | 7726.0 |
| 12.5° | 13827.2 | 13259.6 | 12303.0 | 11332.7 | 10605.0 | 10000.8 | 9620.9 | 9410.4 | 9195.2 | 8421.7 |
| 15° | 14170.5 | 13557.1 | 12499.8 | 11428.8 | 10499.7 | 9758.2 | 9479.0 | 9689.6 | 9936.7 | 9442.4 |
| 17.5° | 14527.5 | 13882.1 | 12756.2 | 11470.0 | 10215.9 | 9286.8 | 9167.8 | 9712.4 | 10284.6 | 10261.7 |
| 20° | 14866.2 | 14225.4 | 12980.4 | 11442.6 | 9758.2 | 8714.6 | 8819.9 | 9515.6 | 10179.3 | 10458.5 |
| 22.5° | 15255.2 | 14577.8 | 13195.6 | 11337.3 | 9163.2 | 8179.1 | 8508.7 | 9204.4 | 9785.7 | 10115.2 |
| 25° | 15731.2 | 15021.8 | 13497.6 | 11181.7 | 8522.4 | 7735.2 | 8192.9 | 8842.8 | 9314.2 | 9543.1 |
| 27.5° | 16243.9 | 15552.7 | 13900.4 | 11099.3 | 8005.2 | 7419.4 | 7835.9 | 8412.6 | 8833.7 | 8993.8 |
| 30° | 16880.1 | 16170.6 | 14376.4 | 11007.7 | 7666.5 | 7236.3 | 7465.1 | 7913.7 | 8325.6 | 8485.8 |
| 32.5° | 17575.8 | 16857.2 | 14834.1 | 10788.0 | 7460.5 | 7099.0 | 7103.5 | 7387.3 | 7762.6 | 7954.9 |
| 35° | 18445.4 | 17681.0 | 15323.9 | 10307.5 | 7295.8 | 6938.8 | 6751.1 | 6888.4 | 7199.7 | 7428.5 |
| 37.5° | 19685.8 | 18761.2 | 15923.5 | 9620.9 | 7053.2 | 6691.6 | 6380.4 | 6412.4 | 6650.4 | 6902.1 |
| 40° | 21397.6 | 20212.1 | 16628.3 | 8906.9 | 6705.3 | 6343.8 | 5973.0 | 5959.3 | 6133.2 | 6380.4 |
| 42.5° | 23713.6 | 22129.9 | 17475.1 | 8224.9 | 6371.2 | 5922.7 | 5542.8 | 5519.9 | 5657.2 | 5872.3 |
| 45° | 26771.0 | 24583.2 | 18514.1 | 7639.0 | 6110.3 | 5510.7 | 5135.4 | 5126.3 | 5240.7 | 5428.3 |
| 47.5° | 30684.4 | 27993.1 | 19553.0 | 7240.8 | 5973.0 | 5185.8 | 4801.3 | 4819.6 | 4920.3 | 5089.6 |
| 50° | 35751.1 | 32437.4 | 19868.9 | 7039.5 | 5973.0 | 5011.8 | 4503.8 | 4595.3 | 4677.7 | 4805.9 |
| 52.5° | 41824.8 | 36703.1 | 18825.3 | 6856.4 | 6009.6 | 5034.7 | 4252.1 | 4448.9 | 4508.4 | 4618.2 |
| 55° | 47454.6 | 38794.8 | 16184.3 | 6604.6 | 6018.8 | 5176.6 | 4036.9 | 4329.9 | 4439.7 | 4480.9 |
| 57.5° | 50722.6 | 38076.2 | 13085.7 | 6179.0 | 5982.2 | 5272.7 | 3899.6 | 4183.4 | 4393.9 | 4421.4 |
| 60° | 50100.1 | 35554.3 | 9634.6 | 5854.0 | 5712.1 | 5236.1 | 3858.4 | 3959.1 | 4293.2 | 4334.4 |
| 62.5° | 45303.4 | 31325.1 | 6687.0 | 5602.3 | 5117.1 | 5075.9 | 3844.7 | 3606.7 | 4073.5 | 4174.2 |
| 65° | 36414.8 | 24661.0 | 4723.5 | 4824.2 | 4485.5 | 4728.1 | 3771.5 | 3240.5 | 3808.1 | 3945.4 |
| 67.5° | 26418.6 | 16687.8 | 3409.9 | 3908.8 | 4064.4 | 4165.1 | 3606.7 | 2975.1 | 3506.0 | 3689.1 |
| 70° | 16953.3 | 9012.2 | 2393.8 | 2581.4 | 3423.6 | 3538.0 | 3322.9 | 2737.1 | 3199.3 | 3409.9 |
| 72.5° | 12051.3 | 5323.1 | 1721.0 | 1807.9 | 2750.8 | 2947.6 | 2924.7 | 2471.6 | 2842.3 | 3098.6 |
| 75° | 8316.4 | 2933.9 | 1162.6 | 1290.7 | 1995.6 | 2393.8 | 2256.5 | 2123.7 | 2407.5 | 2668.4 |
| 77.5° | 5213.2 | 1313.6 | 695.7 | 897.1 | 1309.0 | 1881.2 | 1547.0 | 1643.2 | 1876.6 | 2119.2 |
| 80° | 2901.8 | 508.0 | 389.0 | 595.0 | 714.0 | 1368.5 | 855.9 | 1057.3 | 1382.3 | 1556.2 |
| 82.5° | 631.6 | 64.1 | 173.9 | 256.3 | 279.2 | 796.4 | 453.1 | 613.3 | 869.6 | 855.9 |
| 85° | 0.0 | 0.0 | 32.0 | 36.6 | 18.3 | 343.3 | 164.8 | 201.4 | 283.8 | 265.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.2 |
| 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° |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9199.8 | 0° | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 |
| 8275.3 | 2.5° | 8238.6 | 8014.4 | 7849.6 | 7767.2 | 7698.6 | 7762.6 | 7799.2 | 7799.2 | 7954.9 | 8046.4 |
| 7625.3 | 5° | 7465.1 | 7062.3 | 6755.7 | 6549.7 | 6426.1 | 6467.3 | 6513.1 | 6563.4 | 6760.3 | 6893.0 |
| 7240.8 | 7.5° | 6929.6 | 6311.7 | 5844.9 | 5556.5 | 5405.5 | 5428.3 | 5460.4 | 5501.6 | 5693.8 | 5826.5 |
| 7295.8 | 10° | 6828.9 | 5941.0 | 5281.9 | 4902.0 | 4718.9 | 4686.9 | 4668.6 | 4654.8 | 4769.3 | 4870.0 |
| 7918.2 | 12.5° | 7240.8 | 5959.3 | 5039.3 | 4577.0 | 4352.7 | 4256.6 | 4146.8 | 4059.8 | 4078.1 | 4142.2 |
| 8861.1 | 15° | 7977.7 | 6192.7 | 4961.5 | 4407.7 | 4128.5 | 3968.3 | 3840.1 | 3734.8 | 3712.0 | 3734.8 |
| 9685.0 | 17.5° | 8819.9 | 6508.5 | 4952.3 | 4261.2 | 3913.4 | 3748.6 | 3643.3 | 3547.2 | 3515.2 | 3519.7 |
| 10147.3 | 20° | 9378.3 | 6760.3 | 4924.9 | 4096.4 | 3707.4 | 3560.9 | 3469.4 | 3373.3 | 3341.2 | 3350.4 |
| 10019.1 | 22.5° | 9433.2 | 6893.0 | 4883.7 | 3913.4 | 3501.4 | 3377.8 | 3286.3 | 3199.3 | 3194.8 | 3194.8 |
| 9538.5 | 25° | 9135.7 | 6893.0 | 4796.7 | 3748.6 | 3304.6 | 3194.8 | 3112.4 | 3007.1 | 3025.4 | 3034.6 |
| 8993.8 | 27.5° | 8673.5 | 6728.2 | 4631.9 | 3615.8 | 3135.3 | 3020.8 | 2938.4 | 2842.3 | 2865.2 | 2878.9 |
| 8485.8 | 30° | 8215.8 | 6517.7 | 4435.1 | 3464.8 | 2975.1 | 2842.3 | 2782.8 | 2700.4 | 2709.6 | 2727.9 |
| 7982.3 | 32.5° | 7790.1 | 6293.4 | 4201.7 | 3341.2 | 2814.9 | 2682.1 | 2636.4 | 2544.8 | 2558.6 | 2576.9 |
| 7488.0 | 35° | 7369.0 | 6046.2 | 3927.1 | 3194.8 | 2668.4 | 2535.7 | 2499.1 | 2393.8 | 2402.9 | 2430.4 |
| 6993.7 | 37.5° | 6915.9 | 5785.4 | 3702.8 | 3048.3 | 2526.5 | 2389.2 | 2352.6 | 2242.7 | 2251.9 | 2283.9 |
| 6481.1 | 40° | 6439.9 | 5529.0 | 3483.1 | 2892.7 | 2375.5 | 2238.2 | 2206.1 | 2087.1 | 2096.3 | 2132.9 |
| 5977.6 | 42.5° | 5959.3 | 5249.8 | 3313.8 | 2691.3 | 2219.9 | 2073.4 | 2041.4 | 1931.5 | 1945.2 | 1986.4 |
| 5538.2 | 45° | 5515.3 | 4915.7 | 3203.9 | 2467.0 | 2073.4 | 1908.6 | 1876.6 | 1775.9 | 1803.3 | 1849.1 |
| 5167.5 | 47.5° | 5135.4 | 4572.4 | 3158.1 | 2279.4 | 1917.8 | 1739.3 | 1711.8 | 1629.4 | 1675.2 | 1725.5 |
| 4851.6 | 50° | 4810.5 | 4242.9 | 3098.6 | 2087.1 | 1771.3 | 1592.8 | 1565.3 | 1510.4 | 1569.9 | 1620.3 |
| 4636.5 | 52.5° | 4577.0 | 3867.6 | 2970.5 | 1913.2 | 1643.2 | 1469.2 | 1460.1 | 1432.6 | 1487.5 | 1533.3 |
| 4476.3 | 55° | 4375.6 | 3478.5 | 2764.5 | 1762.2 | 1528.7 | 1364.0 | 1373.1 | 1359.4 | 1405.1 | 1441.8 |
| 4380.2 | 57.5° | 4192.6 | 3139.8 | 2503.6 | 1643.2 | 1405.1 | 1272.4 | 1299.9 | 1281.6 | 1304.5 | 1327.3 |
| 4279.5 | 60° | 3972.9 | 2796.6 | 2192.4 | 1510.4 | 1258.7 | 1180.9 | 1212.9 | 1162.6 | 1158.0 | 1167.1 |
| 4096.4 | 62.5° | 3647.9 | 2334.3 | 1867.4 | 1345.6 | 1130.5 | 1080.2 | 1093.9 | 997.8 | 924.6 | 924.6 |
| 3826.4 | 65° | 3194.8 | 1876.6 | 1565.3 | 1162.6 | 984.1 | 942.9 | 933.7 | 796.4 | 695.7 | 686.6 |
| 3533.5 | 67.5° | 2668.4 | 1542.5 | 1299.9 | 979.5 | 819.3 | 791.8 | 801.0 | 700.3 | 599.6 | 590.4 |
| 3240.5 | 70° | 2174.1 | 1277.0 | 1048.1 | 782.7 | 631.6 | 659.1 | 700.3 | 599.6 | 503.5 | 489.7 |
| 2897.3 | 72.5° | 1766.7 | 1016.1 | 819.3 | 599.6 | 466.9 | 544.7 | 595.0 | 489.7 | 398.2 | 389.0 |
| 2471.6 | 75° | 1364.0 | 746.1 | 585.9 | 407.4 | 338.7 | 421.1 | 466.9 | 357.0 | 283.8 | 270.0 |
| 1913.2 | 77.5° | 910.8 | 462.3 | 329.5 | 256.3 | 201.4 | 288.4 | 311.2 | 187.7 | 164.8 | 160.2 |
| 1391.4 | 80° | 553.8 | 215.1 | 141.9 | 123.6 | 68.7 | 105.3 | 123.6 | 77.8 | 87.0 | 91.5 |
| 741.5 | 82.5° | 279.2 | 59.5 | 22.9 | 4.6 | 0.0 | 0.0 | 36.6 | 18.3 | 36.6 | 45.8 |
| 201.4 | 85° | 22.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.2 | 22.9 |
| 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° |
|--------|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 9199.8 | 0° | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 | 9199.8 |
| 8083.0 | 2.5° | 8339.3 | 8531.6 | 8714.6 | 9007.6 | 9309.7 | 9607.2 | 9909.3 | 10202.2 | 10307.5 | 10385.3 |
| 6980.0 | 5° | 7378.2 | 7739.7 | 8160.8 | 8742.1 | 9364.6 | 10005.4 | 10655.3 | 11250.3 | 11520.4 | 11703.4 |
| 5941.0 | 7.5° | 6384.9 | 6856.4 | 7460.5 | 8334.8 | 9309.7 | 10330.3 | 11351.0 | 12289.3 | 12724.1 | 13076.6 |
| 4961.5 | 10° | 5400.9 | 5913.5 | 6677.9 | 7675.7 | 8993.8 | 10458.5 | 11868.2 | 13158.9 | 13721.9 | 14165.9 |
| 4256.6 | 12.5° | 4535.8 | 5016.4 | 5817.4 | 6920.5 | 8499.5 | 10357.8 | 12165.7 | 13717.3 | 14381.0 | 14879.9 |
| 3753.2 | 15° | 3927.1 | 4265.8 | 4975.2 | 6165.2 | 7913.7 | 10032.8 | 12184.0 | 13982.8 | 14710.5 | 15232.3 |
| 3542.6 | 17.5° | 3588.4 | 3702.8 | 4165.1 | 5396.3 | 7263.7 | 9607.2 | 12014.7 | 14074.3 | 14852.4 | 15337.6 |
| 3355.0 | 20° | 3405.3 | 3423.6 | 3551.8 | 4398.5 | 6430.7 | 9209.0 | 11854.5 | 14165.9 | 14985.2 | 15392.5 |
| 3222.2 | 22.5° | 3258.8 | 3258.8 | 3290.9 | 3597.5 | 5355.1 | 8733.0 | 11804.1 | 14326.1 | 15168.3 | 15420.0 |
| 3071.2 | 25° | 3126.1 | 3126.1 | 3135.3 | 3217.6 | 4242.9 | 8005.2 | 11772.1 | 14573.2 | 15420.0 | 15488.6 |
| 2920.1 | 27.5° | 2988.8 | 2993.4 | 2993.4 | 3039.1 | 3419.0 | 7016.6 | 11634.8 | 14893.6 | 15722.1 | 15580.2 |
| 2773.7 | 30° | 2851.5 | 2860.6 | 2860.6 | 2892.7 | 3025.4 | 5858.6 | 11364.7 | 15278.1 | 16115.7 | 15699.2 |
| 2627.2 | 32.5° | 2714.2 | 2723.3 | 2723.3 | 2750.8 | 2846.9 | 4677.7 | 11026.0 | 15630.5 | 16513.9 | 15749.5 |
| 2485.3 | 35° | 2572.3 | 2586.0 | 2576.9 | 2613.5 | 2714.2 | 3721.1 | 10595.8 | 15983.0 | 16944.1 | 15909.7 |
| 2348.0 | 37.5° | 2430.4 | 2439.6 | 2435.0 | 2471.6 | 2586.0 | 3213.1 | 10096.9 | 16248.4 | 17530.0 | 16266.7 |
| 2201.5 | 40° | 2288.5 | 2283.9 | 2283.9 | 2325.1 | 2448.7 | 3066.6 | 9469.9 | 16669.5 | 18372.2 | 16893.8 |
| 2055.1 | 42.5° | 2142.0 | 2142.0 | 2132.9 | 2178.7 | 2329.7 | 2956.8 | 8870.3 | 17424.7 | 19598.8 | 17891.6 |
| 1917.8 | 45° | 2009.3 | 2004.7 | 1986.4 | 2027.6 | 2215.3 | 2764.5 | 8659.7 | 18834.4 | 21411.3 | 19507.3 |
| 1780.5 | 47.5° | 1881.2 | 1876.6 | 1830.8 | 1867.4 | 2078.0 | 2590.6 | 9447.0 | 21141.3 | 23924.1 | 21882.7 |
| 1670.6 | 50° | 1766.7 | 1771.3 | 1684.3 | 1716.4 | 1940.7 | 2457.9 | 11154.2 | 24134.6 | 27260.7 | 25082.1 |
| 1579.1 | 52.5° | 1661.5 | 1661.5 | 1547.0 | 1565.3 | 1771.3 | 2338.9 | 12779.0 | 27379.7 | 31663.8 | 29544.7 |
| 1483.0 | 55° | 1556.2 | 1547.0 | 1418.9 | 1428.0 | 1602.0 | 2169.5 | 13021.6 | 30547.0 | 37668.9 | 36259.2 |
| 1377.7 | 57.5° | 1437.2 | 1418.9 | 1299.9 | 1299.9 | 1446.3 | 2045.9 | 11286.9 | 32982.0 | 45120.3 | 46127.2 |
| 1180.9 | 60° | 1290.7 | 1277.0 | 1199.2 | 1176.3 | 1322.8 | 2155.8 | 7964.0 | 33265.8 | 49926.2 | 59249.5 |
| 938.3 | 62.5° | 1103.1 | 1121.4 | 1080.2 | 1048.1 | 1203.8 | 2238.2 | 4718.9 | 30981.9 | 48763.6 | 63423.8 |
| 727.7 | 65° | 869.6 | 942.9 | 933.7 | 910.8 | 1322.8 | 1885.7 | 2787.4 | 26597.1 | 45198.1 | 60055.1 |
| 636.2 | 67.5° | 741.5 | 791.8 | 778.1 | 778.1 | 1386.8 | 1432.6 | 1753.0 | 20779.7 | 40291.5 | 56059.4 |
| 530.9 | 70° | 631.6 | 682.0 | 631.6 | 631.6 | 1048.1 | 869.6 | 1212.9 | 14509.2 | 34995.9 | 51638.0 |
| 425.7 | 72.5° | 521.8 | 572.1 | 517.2 | 480.6 | 837.6 | 649.9 | 887.9 | 9067.1 | 29970.3 | 47033.5 |
| 302.1 | 75° | 398.2 | 457.7 | 416.5 | 370.7 | 553.8 | 485.2 | 672.8 | 5268.2 | 24830.3 | 40241.2 |
| 183.1 | 77.5° | 251.7 | 329.5 | 311.2 | 260.9 | 407.4 | 352.4 | 485.2 | 3135.3 | 19159.4 | 31444.1 |
| 109.8 | 80° | 155.6 | 169.3 | 173.9 | 164.8 | 233.4 | 238.0 | 329.5 | 1785.0 | 13113.2 | 21914.8 |
| 68.7 | 82.5° | 100.7 | 100.7 | 77.8 | 87.0 | 114.4 | 137.3 | 187.7 | 672.8 | 7707.7 | 13342.0 |
| 41.2 | 85° | 73.2 | 64.1 | 41.2 | 41.2 | 54.9 | 68.7 | 73.2 | 206.0 | 3126.1 | 5268.2 |
| 18.3 | 87.5° | 36.6 | 32.0 | 13.7 | 18.3 | 27.5 | 22.9 | 18.3 | 9.2 | 787.2 | 1684.3 |
| 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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