

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: P957523

Luminaire Tested: **GALN-SB9D-835-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957523
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-835-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 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: 65612 lumens
Efficiency: N/A
Efficacy: 99.7 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

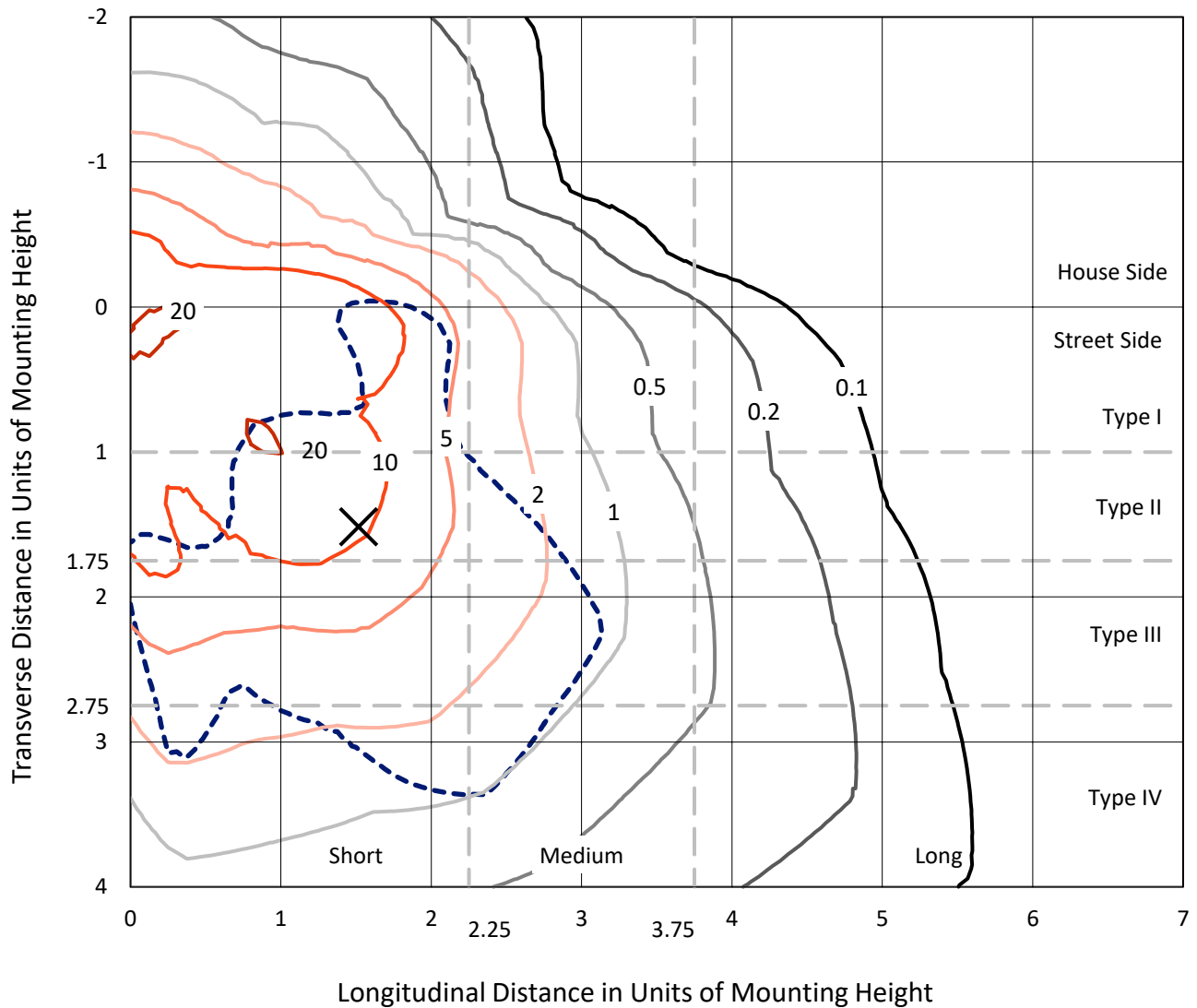
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P957523
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Iso-Footcandle Lines of Horizontal Illumination

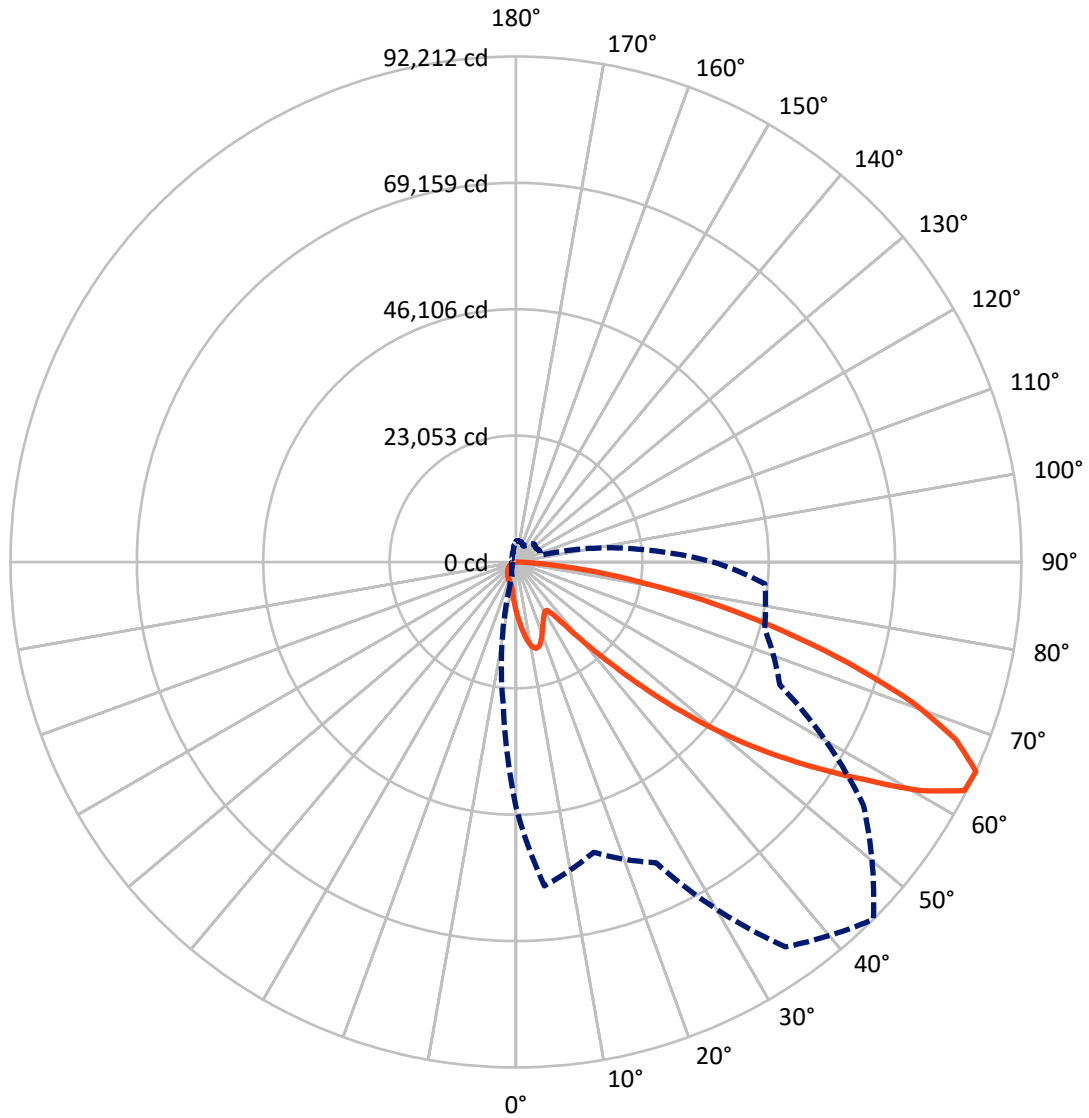
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P957523
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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 | 13041.7 | 0.0 | 13041.7 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| Street Side | Lumens | 52570.4 | 0.0 | 52570.4 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| Total | Lumens | 65612.0 | 0.0 | 65612.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 894.5 | 1.4 |
| 10°-20° | 2681.3 | 4.1 |
| 20°-30° | 3950.2 | 6.0 |
| 30°-40° | 5074.9 | 7.7 |
| 40°-50° | 8207.6 | 12.5 |
| 50°-60° | 14392.8 | 21.9 |
| 60°-70° | 18009.3 | 27.4 |
| 70°-80° | 10523.8 | 16.0 |
| 80°-90° | 1877.6 | 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° | 65612.0 | 100.0 |
| 0°-180° | 65612.0 | 100.0 |



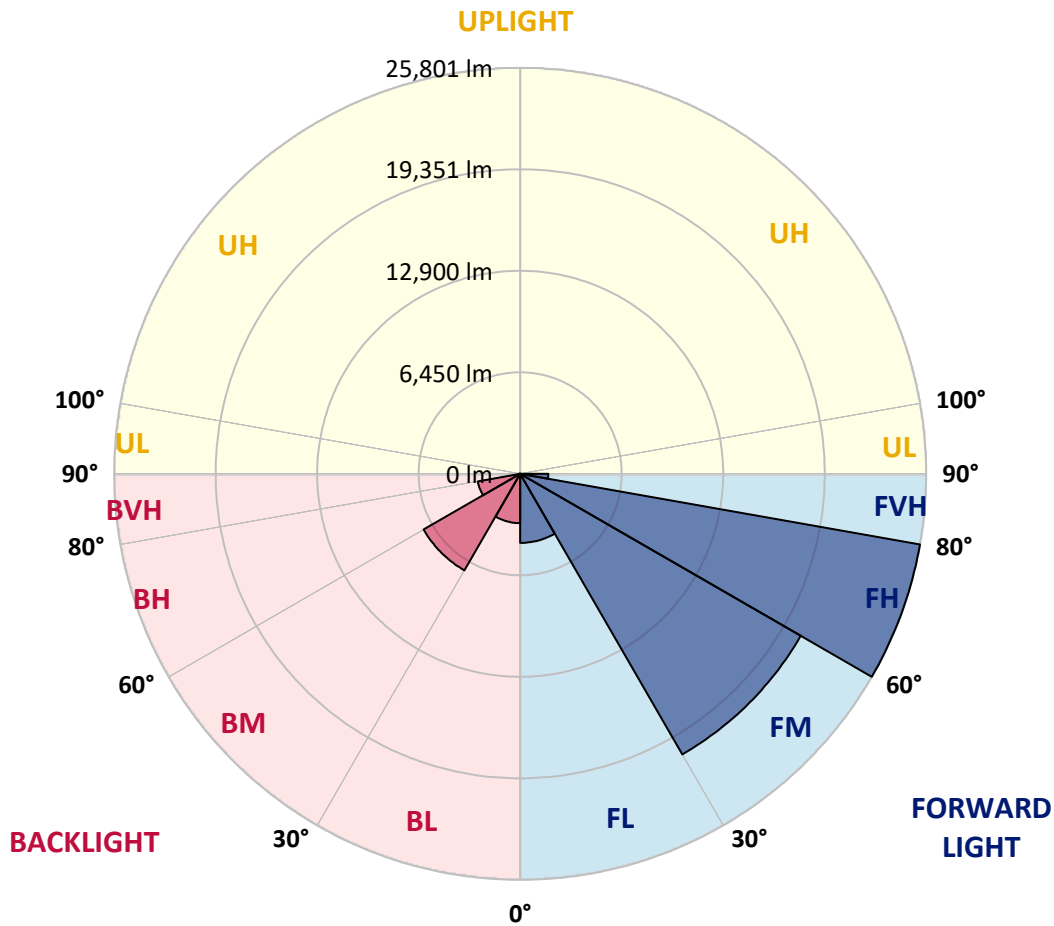
REPORT NUMBER: P957523
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 4390.2 | 6.7 | | | |
| FM (30°-60°) | 20589.8 | 31.4 | | | |
| FH (60°-80°) | 25800.7 | 39.3 | | | G5 |
| FVH (80°-90°) | 1789.6 | 2.7 | | | G5 |
| BL (0°-30°) | 3135.8 | 4.8 | B4/5000 | | |
| BM (30°-60°) | 7085.4 | 10.8 | B4/8500 | | |
| BH (60°-80°) | 2732.5 | 4.2 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 88.0 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G5

Type IV Short



REPORT NUMBER: P957523

CATALOG NUMBER: GALN-SB9D-835-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 |
| 2.5° | 10179.0 | 10255.8 | 10427.6 | 10518.0 | 10658.1 | 10667.2 | 10667.2 | 10545.1 | 10540.6 | 10292.0 |
| 5° | 11376.8 | 11557.6 | 11964.4 | 12384.7 | 12475.1 | 12497.7 | 12452.5 | 12208.5 | 12027.7 | 11544.0 |
| 7.5° | 12565.5 | 12913.6 | 13532.8 | 14093.3 | 14274.1 | 14274.1 | 14165.6 | 13767.9 | 13397.2 | 12696.6 |
| 10° | 13550.9 | 13989.3 | 14830.1 | 15458.3 | 15666.3 | 15621.1 | 15399.6 | 14897.9 | 14387.1 | 13537.3 |
| 12.5° | 14201.8 | 14694.5 | 15616.5 | 16122.8 | 16335.2 | 16217.7 | 15964.6 | 15476.4 | 14938.5 | 14043.6 |
| 15° | 14527.2 | 15042.5 | 15842.5 | 16109.2 | 16050.5 | 15928.4 | 15896.8 | 15661.7 | 15254.9 | 14418.7 |
| 17.5° | 14667.3 | 15146.5 | 15702.4 | 15535.2 | 15038.0 | 14943.1 | 15259.5 | 15557.8 | 15458.3 | 14744.2 |
| 20° | 14798.4 | 15200.7 | 15367.9 | 14626.7 | 13758.8 | 13672.9 | 14278.6 | 15128.4 | 15562.3 | 15047.0 |
| 22.5° | 14979.2 | 15227.8 | 14884.3 | 13668.4 | 12732.8 | 12533.9 | 13202.9 | 14482.0 | 15593.9 | 15431.2 |
| 25° | 15227.8 | 15295.6 | 14350.9 | 12759.9 | 11819.8 | 11620.9 | 12244.6 | 13763.3 | 15539.7 | 15847.1 |
| 27.5° | 15526.1 | 15386.0 | 13840.2 | 12000.6 | 11092.0 | 10906.7 | 11530.5 | 13071.8 | 15386.0 | 16262.9 |
| 30° | 15914.9 | 15503.5 | 13333.9 | 11413.0 | 10572.2 | 10436.6 | 11037.8 | 12475.1 | 15196.2 | 16791.7 |
| 32.5° | 16308.1 | 15553.3 | 12863.9 | 11069.4 | 10454.7 | 10504.4 | 10997.1 | 12154.2 | 14988.3 | 17298.0 |
| 35° | 16733.0 | 15711.5 | 12633.3 | 11408.4 | 11435.6 | 11869.5 | 12072.9 | 12452.5 | 14956.6 | 17985.0 |
| 37.5° | 17311.5 | 16064.0 | 12909.1 | 13094.4 | 14034.5 | 14934.0 | 14766.8 | 13912.5 | 15322.7 | 19011.0 |
| 40° | 18143.2 | 16683.3 | 14111.4 | 15964.6 | 17894.6 | 19354.6 | 18717.2 | 16565.7 | 16443.7 | 20489.1 |
| 42.5° | 19354.6 | 17668.6 | 16244.8 | 19472.1 | 22744.5 | 25149.2 | 23440.6 | 19987.4 | 18405.4 | 22599.9 |
| 45° | 21144.5 | 19264.2 | 18825.7 | 23173.9 | 28724.5 | 32512.2 | 28959.5 | 23635.0 | 21153.5 | 25795.5 |
| 47.5° | 23625.9 | 21610.0 | 21243.9 | 27074.7 | 35992.6 | 40892.3 | 35079.6 | 27015.9 | 24281.3 | 30152.8 |
| 50° | 26921.0 | 24769.5 | 23535.5 | 31341.6 | 43961.3 | 49435.0 | 41195.1 | 30279.4 | 27865.7 | 35477.3 |
| 52.5° | 31269.2 | 29176.5 | 26206.9 | 35405.0 | 52156.1 | 57797.0 | 47337.8 | 33145.0 | 32313.3 | 41656.1 |
| 55° | 37199.4 | 35807.3 | 29859.0 | 39283.2 | 60346.3 | 66208.7 | 53240.9 | 35848.0 | 38189.3 | 48996.6 |
| 57.5° | 44558.0 | 45552.4 | 35124.8 | 43780.5 | 67709.3 | 74878.0 | 59171.1 | 39626.7 | 45819.1 | 57204.9 |
| 60° | 49304.0 | 58511.2 | 45208.9 | 50429.4 | 76075.8 | 84681.9 | 67298.0 | 46813.4 | 53837.5 | 60147.4 |
| 62.5° | 48155.9 | 62633.4 | 57286.2 | 58918.0 | 83768.8 | 91809.9 | 75262.2 | 54031.9 | 55347.2 | 55812.7 |
| 65° | 44634.8 | 59306.7 | 54822.9 | 60567.8 | 85716.9 | 92212.1 | 77391.1 | 53100.7 | 46949.0 | 45565.9 |
| 67.5° | 39789.4 | 55360.7 | 48969.5 | 56192.4 | 82195.9 | 86589.3 | 73427.1 | 46971.6 | 36281.9 | 34193.7 |
| 70° | 34559.8 | 50994.4 | 45127.5 | 51283.7 | 75483.7 | 76790.0 | 66687.8 | 41312.6 | 26686.0 | 23092.6 |
| 72.5° | 29596.8 | 46447.3 | 42496.9 | 46253.0 | 66529.6 | 63826.7 | 57914.5 | 36309.0 | 19431.4 | 16656.1 |
| 75° | 24520.9 | 39739.7 | 38749.8 | 40277.6 | 54755.1 | 50275.8 | 48119.7 | 30062.4 | 15250.4 | 12050.3 |
| 77.5° | 18920.6 | 31052.3 | 33330.3 | 32254.6 | 38541.9 | 37344.1 | 37298.9 | 22590.9 | 11141.8 | 8041.0 |
| 80° | 12949.7 | 21641.7 | 26039.6 | 22753.6 | 25013.6 | 24403.4 | 28091.7 | 15155.5 | 8081.7 | 4840.9 |
| 82.5° | 7611.6 | 13175.7 | 18125.1 | 11015.2 | 13831.1 | 14197.3 | 16728.5 | 7372.1 | 4755.0 | 1116.4 |
| 85° | 3087.1 | 5202.5 | 7087.3 | 4312.1 | 6671.5 | 5627.4 | 6350.6 | 2070.2 | 1324.4 | 27.1 |
| 87.5° | 777.4 | 1663.4 | 1166.2 | 483.6 | 772.9 | 709.6 | 560.5 | 253.1 | 54.2 | 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° |
|---------|-------|---------|---------|---------|---------|--------|--------|--------|---------|---------|---------|
| 9085.2 | 0° | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 |
| 10264.9 | 2.5° | 10088.6 | 9984.6 | 9727.0 | 9469.4 | 9261.4 | 8981.2 | 8795.9 | 8574.4 | 8362.0 | 8172.1 |
| 11440.1 | 5° | 11155.3 | 10811.8 | 10341.7 | 9912.3 | 9473.9 | 9049.0 | 8628.6 | 8185.7 | 7778.9 | 7530.3 |
| 12434.5 | 7.5° | 12023.2 | 11417.5 | 10793.7 | 10246.8 | 9718.0 | 9220.8 | 8664.8 | 8126.9 | 7489.6 | 7150.6 |
| 13193.8 | 10° | 12669.5 | 11874.0 | 11055.9 | 10427.6 | 9894.2 | 9410.6 | 8940.5 | 8398.1 | 7629.7 | 7204.9 |
| 13654.9 | 12.5° | 13094.4 | 12149.7 | 11191.5 | 10472.8 | 9876.2 | 9501.0 | 9293.1 | 9080.6 | 8316.8 | 7819.6 |
| 13993.9 | 15° | 13388.2 | 12344.1 | 11286.4 | 10368.8 | 9636.6 | 9360.9 | 9568.8 | 9812.9 | 9324.7 | 8750.7 |
| 14346.4 | 17.5° | 13709.1 | 12597.2 | 11327.1 | 10088.6 | 9171.0 | 9053.5 | 9591.4 | 10156.4 | 10133.8 | 9564.3 |
| 14680.9 | 20° | 14048.1 | 12818.7 | 11300.0 | 9636.6 | 8606.0 | 8710.0 | 9397.0 | 10052.4 | 10328.2 | 10020.8 |
| 15065.1 | 22.5° | 14396.1 | 13031.1 | 11196.0 | 9049.0 | 8077.2 | 8402.6 | 9089.7 | 9663.7 | 9989.2 | 9894.2 |
| 15535.2 | 25° | 14834.6 | 13329.4 | 11042.3 | 8416.2 | 7638.8 | 8090.8 | 8732.6 | 9198.2 | 9424.2 | 9419.6 |
| 16041.4 | 27.5° | 15358.9 | 13727.2 | 10961.0 | 7905.4 | 7326.9 | 7738.2 | 8307.7 | 8723.6 | 8881.8 | 8881.8 |
| 16669.7 | 30° | 15969.1 | 14197.3 | 10870.6 | 7571.0 | 7146.1 | 7372.1 | 7815.0 | 8221.8 | 8380.0 | 8380.0 |
| 17356.7 | 32.5° | 16647.1 | 14649.3 | 10653.6 | 7367.6 | 7010.5 | 7015.0 | 7295.2 | 7665.9 | 7855.7 | 7882.8 |
| 18215.5 | 35° | 17460.7 | 15132.9 | 10179.0 | 7204.9 | 6852.3 | 6667.0 | 6802.6 | 7109.9 | 7335.9 | 7394.7 |
| 19440.4 | 37.5° | 18527.4 | 15725.0 | 9501.0 | 6965.3 | 6608.2 | 6300.9 | 6332.5 | 6567.5 | 6816.1 | 6906.5 |
| 21130.9 | 40° | 19960.2 | 16421.1 | 8795.9 | 6621.8 | 6264.7 | 5898.6 | 5885.0 | 6056.8 | 6300.9 | 6400.3 |
| 23418.0 | 42.5° | 21854.1 | 17257.3 | 8122.4 | 6291.8 | 5848.9 | 5473.7 | 5451.1 | 5586.7 | 5799.1 | 5903.1 |
| 26437.4 | 45° | 24276.8 | 18283.3 | 7543.8 | 6034.2 | 5442.1 | 5071.4 | 5062.4 | 5175.4 | 5360.7 | 5469.2 |
| 30302.0 | 47.5° | 27644.2 | 19309.4 | 7150.6 | 5898.6 | 5121.1 | 4741.5 | 4759.5 | 4859.0 | 5026.2 | 5103.1 |
| 35305.6 | 50° | 32033.1 | 19621.2 | 6951.7 | 5898.6 | 4949.4 | 4447.7 | 4538.1 | 4619.4 | 4746.0 | 4791.2 |
| 41303.6 | 52.5° | 36245.7 | 18590.7 | 6770.9 | 5934.7 | 4972.0 | 4199.1 | 4393.4 | 4452.2 | 4560.7 | 4578.7 |
| 46863.2 | 55° | 38311.4 | 15982.7 | 6522.3 | 5943.8 | 5112.1 | 3986.6 | 4275.9 | 4384.4 | 4425.1 | 4420.5 |
| 50090.4 | 57.5° | 37601.7 | 12922.6 | 6102.0 | 5907.6 | 5207.0 | 3851.0 | 4131.3 | 4339.2 | 4366.3 | 4325.6 |
| 49475.7 | 60° | 35111.2 | 9514.6 | 5781.1 | 5640.9 | 5170.9 | 3810.3 | 3909.8 | 4239.7 | 4280.4 | 4226.2 |
| 44738.8 | 62.5° | 30934.8 | 6603.7 | 5532.5 | 5053.3 | 5012.7 | 3796.8 | 3561.7 | 4022.8 | 4122.2 | 4045.4 |
| 35961.0 | 65° | 24353.7 | 4664.6 | 4764.1 | 4429.6 | 4669.1 | 3724.5 | 3200.1 | 3760.6 | 3896.2 | 3778.7 |
| 26089.3 | 67.5° | 16479.9 | 3367.4 | 3860.1 | 4013.7 | 4113.2 | 3561.7 | 2938.0 | 3462.3 | 3643.1 | 3489.4 |
| 16742.0 | 70° | 8899.8 | 2364.0 | 2549.3 | 3380.9 | 3493.9 | 3281.5 | 2702.9 | 3159.5 | 3367.4 | 3200.1 |
| 11901.1 | 72.5° | 5256.7 | 1699.5 | 1785.4 | 2716.5 | 2910.9 | 2888.3 | 2440.8 | 2806.9 | 3060.0 | 2861.1 |
| 8212.8 | 75° | 2897.3 | 1148.1 | 1274.6 | 1970.7 | 2364.0 | 2228.4 | 2097.3 | 2377.5 | 2635.1 | 2440.8 |
| 5148.3 | 77.5° | 1297.2 | 687.0 | 885.9 | 1292.7 | 1857.7 | 1527.8 | 1622.7 | 1853.2 | 2092.8 | 1889.4 |
| 2865.7 | 80° | 501.7 | 384.2 | 587.6 | 705.1 | 1351.5 | 845.2 | 1044.1 | 1365.0 | 1536.8 | 1374.1 |
| 623.8 | 82.5° | 63.3 | 171.8 | 253.1 | 275.7 | 786.5 | 447.5 | 605.7 | 858.8 | 845.2 | 732.2 |
| 0.0 | 85° | 0.0 | 31.6 | 36.2 | 18.1 | 339.0 | 162.7 | 198.9 | 280.2 | 262.2 | 198.9 |
| 0.0 | 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9085.2 | 0° | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 | 9085.2 |
| 8136.0 | 2.5° | 7914.5 | 7751.8 | 7670.4 | 7602.6 | 7665.9 | 7702.0 | 7702.0 | 7855.7 | 7946.1 | 7982.3 |
| 7372.1 | 5° | 6974.3 | 6671.5 | 6468.1 | 6346.1 | 6386.7 | 6431.9 | 6481.7 | 6676.0 | 6807.1 | 6893.0 |
| 6843.3 | 7.5° | 6233.1 | 5772.0 | 5487.3 | 5338.1 | 5360.7 | 5392.3 | 5433.0 | 5622.9 | 5753.9 | 5866.9 |
| 6743.8 | 10° | 5866.9 | 5216.1 | 4840.9 | 4660.1 | 4628.5 | 4610.4 | 4596.8 | 4709.8 | 4809.3 | 4899.7 |
| 7150.6 | 12.5° | 5885.0 | 4976.5 | 4520.0 | 4298.5 | 4203.6 | 4095.1 | 4009.2 | 4027.3 | 4090.6 | 4203.6 |
| 7878.3 | 15° | 6115.5 | 4899.7 | 4352.7 | 4077.0 | 3918.8 | 3792.3 | 3688.3 | 3665.7 | 3688.3 | 3706.4 |
| 8710.0 | 17.5° | 6427.4 | 4890.6 | 4208.1 | 3864.6 | 3701.9 | 3597.9 | 3503.0 | 3471.3 | 3475.9 | 3498.5 |
| 9261.4 | 20° | 6676.0 | 4863.5 | 4045.4 | 3661.2 | 3516.5 | 3426.1 | 3331.2 | 3299.6 | 3308.6 | 3313.1 |
| 9315.7 | 22.5° | 6807.1 | 4822.8 | 3864.6 | 3457.8 | 3335.7 | 3245.3 | 3159.5 | 3154.9 | 3154.9 | 3182.1 |
| 9021.9 | 25° | 6807.1 | 4736.9 | 3701.9 | 3263.4 | 3154.9 | 3073.6 | 2969.6 | 2987.7 | 2996.7 | 3032.9 |
| 8565.4 | 27.5° | 6644.4 | 4574.2 | 3570.8 | 3096.2 | 2983.2 | 2901.8 | 2806.9 | 2829.5 | 2843.1 | 2883.7 |
| 8113.4 | 30° | 6436.5 | 4379.9 | 3421.6 | 2938.0 | 2806.9 | 2748.1 | 2666.8 | 2675.8 | 2693.9 | 2739.1 |
| 7693.0 | 32.5° | 6215.0 | 4149.3 | 3299.6 | 2779.8 | 2648.7 | 2603.5 | 2513.1 | 2526.7 | 2544.7 | 2594.5 |
| 7277.2 | 35° | 5970.9 | 3878.1 | 3154.9 | 2635.1 | 2504.1 | 2467.9 | 2364.0 | 2373.0 | 2400.1 | 2454.3 |
| 6829.7 | 37.5° | 5713.3 | 3656.7 | 3010.3 | 2495.0 | 2359.4 | 2323.3 | 2214.8 | 2223.8 | 2255.5 | 2318.8 |
| 6359.6 | 40° | 5460.1 | 3439.7 | 2856.6 | 2345.9 | 2210.3 | 2178.6 | 2061.1 | 2070.2 | 2106.3 | 2174.1 |
| 5885.0 | 42.5° | 5184.4 | 3272.5 | 2657.7 | 2192.2 | 2047.6 | 2015.9 | 1907.4 | 1921.0 | 1961.7 | 2029.5 |
| 5446.6 | 45° | 4854.5 | 3164.0 | 2436.3 | 2047.6 | 1884.8 | 1853.2 | 1753.8 | 1780.9 | 1826.1 | 1893.9 |
| 5071.4 | 47.5° | 4515.5 | 3118.8 | 2251.0 | 1893.9 | 1717.6 | 1690.5 | 1609.1 | 1654.3 | 1704.0 | 1758.3 |
| 4750.5 | 50° | 4190.0 | 3060.0 | 2061.1 | 1749.2 | 1573.0 | 1545.8 | 1491.6 | 1550.4 | 1600.1 | 1649.8 |
| 4520.0 | 52.5° | 3819.4 | 2933.5 | 1889.4 | 1622.7 | 1450.9 | 1441.9 | 1414.8 | 1469.0 | 1514.2 | 1559.4 |
| 4321.1 | 55° | 3435.2 | 2730.1 | 1740.2 | 1509.7 | 1347.0 | 1356.0 | 1342.4 | 1387.6 | 1423.8 | 1464.5 |
| 4140.3 | 57.5° | 3100.7 | 2472.4 | 1622.7 | 1387.6 | 1256.6 | 1283.7 | 1265.6 | 1288.2 | 1310.8 | 1360.5 |
| 3923.3 | 60° | 2761.7 | 2165.1 | 1491.6 | 1243.0 | 1166.2 | 1197.8 | 1148.1 | 1143.6 | 1152.6 | 1166.2 |
| 3602.4 | 62.5° | 2305.2 | 1844.2 | 1328.9 | 1116.4 | 1066.7 | 1080.3 | 985.4 | 913.0 | 913.0 | 926.6 |
| 3154.9 | 65° | 1853.2 | 1545.8 | 1148.1 | 971.8 | 931.1 | 922.1 | 786.5 | 687.0 | 678.0 | 718.7 |
| 2635.1 | 67.5° | 1523.2 | 1283.7 | 967.3 | 809.1 | 782.0 | 791.0 | 691.6 | 592.1 | 583.1 | 628.3 |
| 2147.0 | 70° | 1261.1 | 1035.1 | 772.9 | 623.8 | 650.9 | 691.6 | 592.1 | 497.2 | 483.6 | 524.3 |
| 1744.7 | 72.5° | 1003.4 | 809.1 | 592.1 | 461.0 | 537.9 | 587.6 | 483.6 | 393.2 | 384.2 | 420.4 |
| 1347.0 | 75° | 736.8 | 578.6 | 402.3 | 334.5 | 415.8 | 461.0 | 352.6 | 280.2 | 266.7 | 298.3 |
| 899.5 | 77.5° | 456.5 | 325.4 | 253.1 | 198.9 | 284.8 | 307.4 | 185.3 | 162.7 | 158.2 | 180.8 |
| 546.9 | 80° | 212.4 | 140.1 | 122.0 | 67.8 | 104.0 | 122.0 | 76.8 | 85.9 | 90.4 | 108.5 |
| 275.7 | 82.5° | 58.8 | 22.6 | 4.5 | 0.0 | 0.0 | 36.2 | 18.1 | 36.2 | 45.2 | 67.8 |
| 22.6 | 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 22.6 | 40.7 |
| 0.0 | 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.1 |
| 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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