

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: STREETWORKS

Report Number: P526105

Luminaire Tested: **GLAN-SA1A-735-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526105
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-735-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2383 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

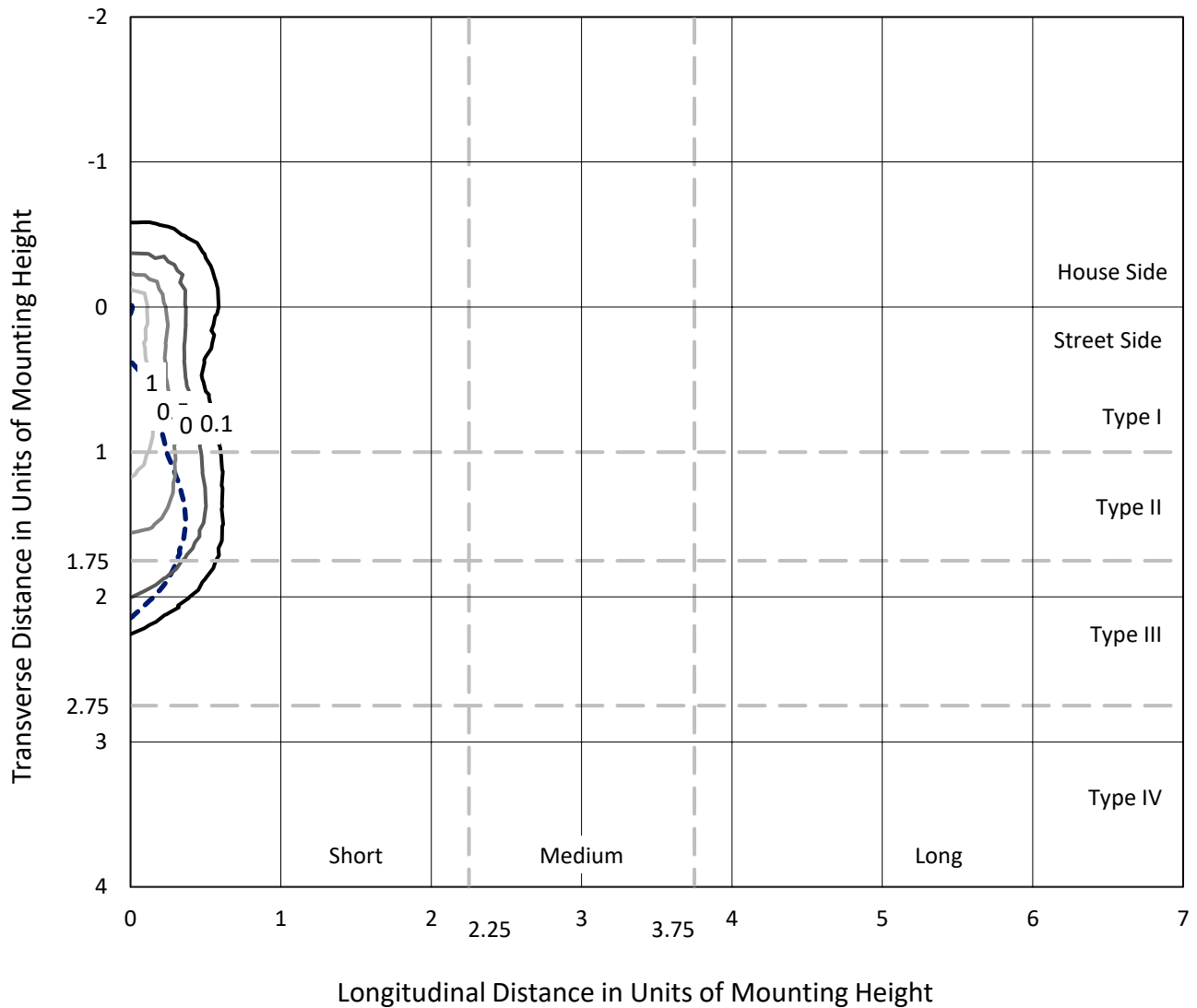
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

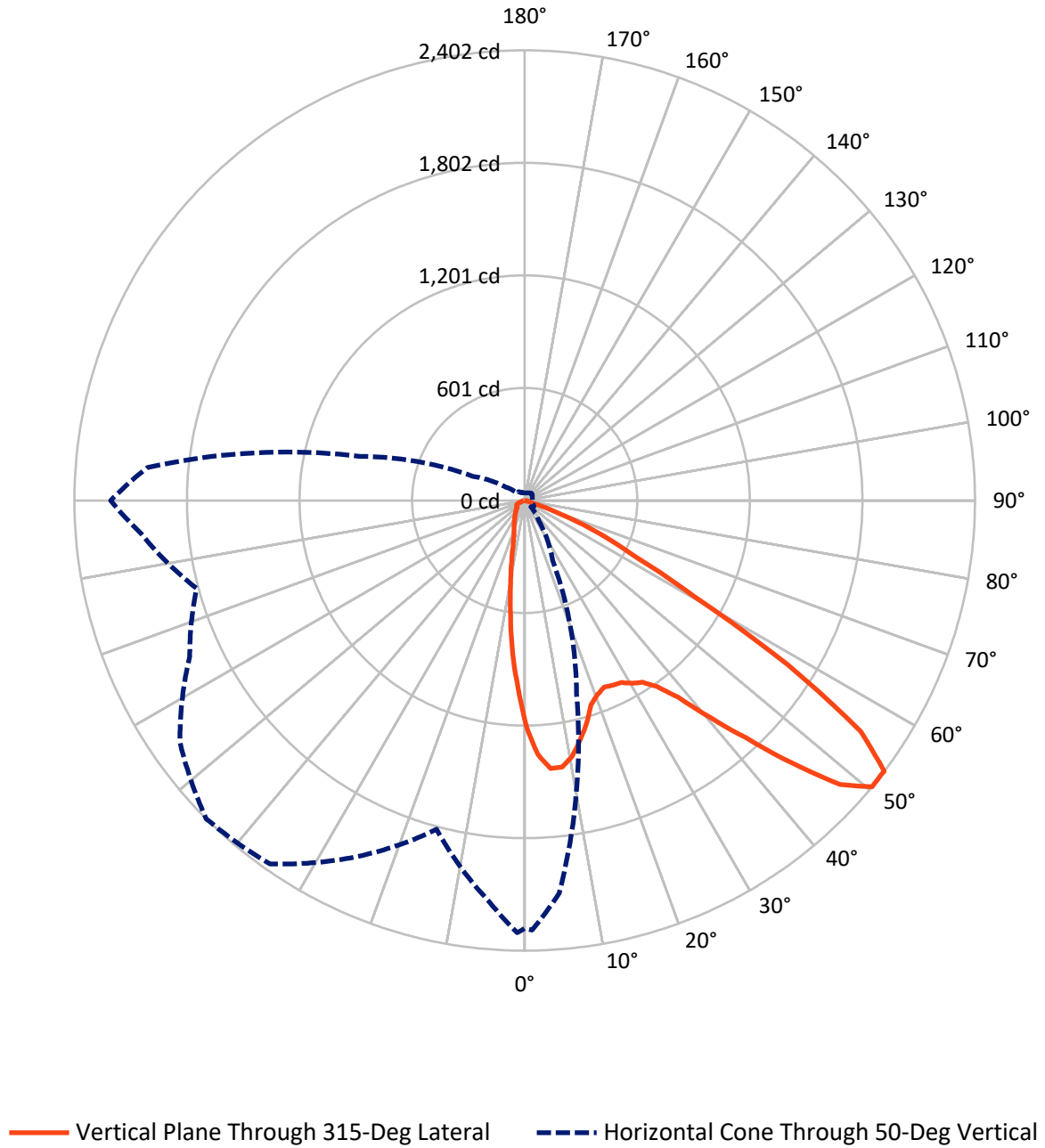
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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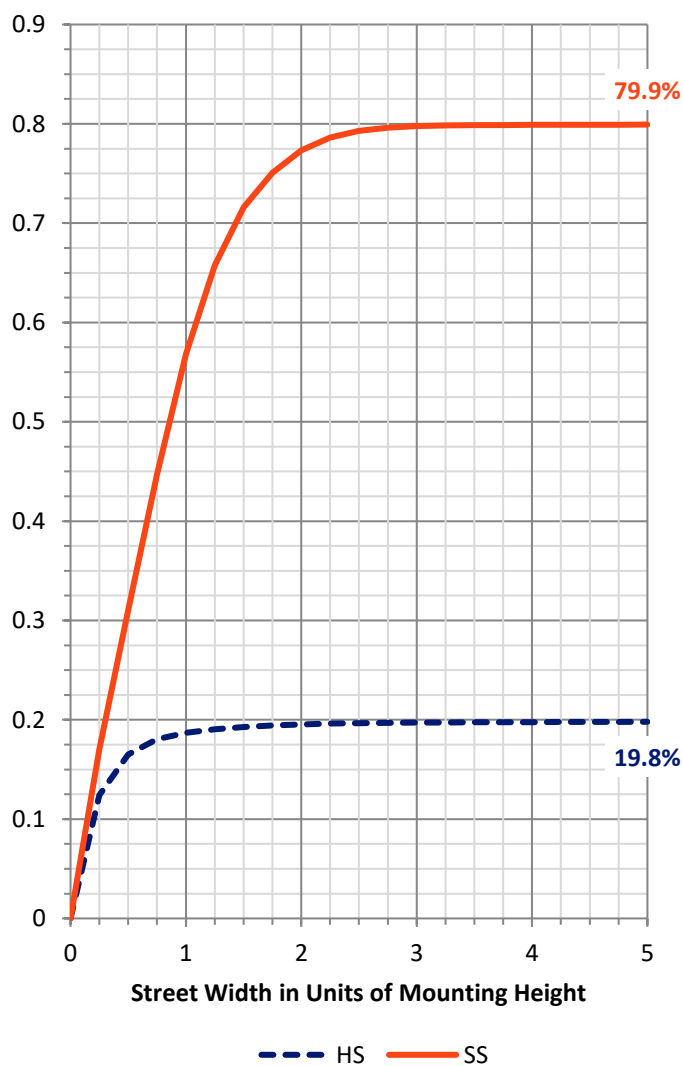
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 477.3 | 0.0 | 477.3 |
| | % Fixture | 20.0 | 0.0 | 20.0 |
| Street Side | Lumens | 1905.7 | 0.0 | 1905.7 |
| | % Fixture | 80.0 | 0.0 | 80.0 |
| Total | Lumens | 2383.0 | 0.0 | 2383.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 88.1 | 3.7 |
| 10°-20° | 175.1 | 7.3 |
| 20°-30° | 263.0 | 11.0 |
| 30°-40° | 394.8 | 16.6 |
| 40°-50° | 554.8 | 23.3 |
| 50°-60° | 598.5 | 25.1 |
| 60°-70° | 277.9 | 11.7 |
| 70°-80° | 26.1 | 1.1 |
| 80°-90° | 4.8 | 0.2 |
| 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° | 2383.0 | 100.0 |
| 0°-180° | 2383.0 | 100.0 |

Coefficient of Utilization



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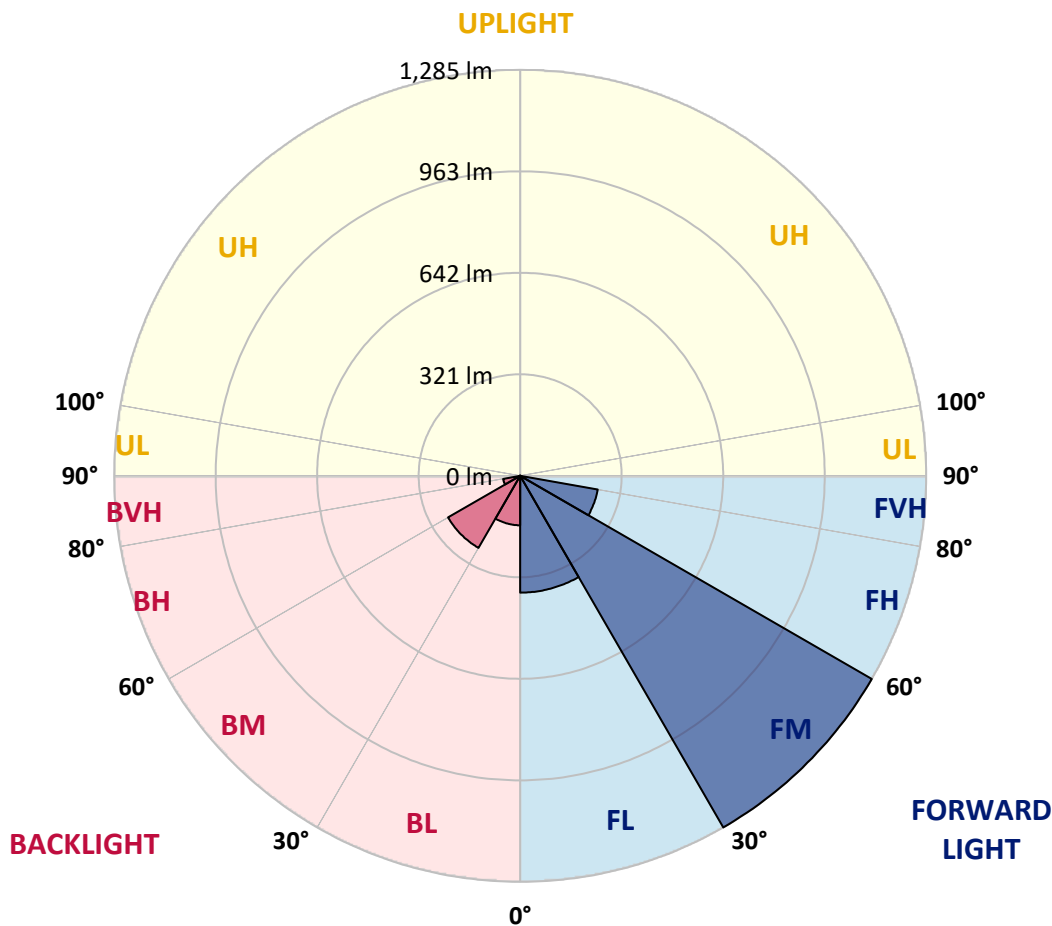
CATALOG NUMBER: GLAN-SA1A-735-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 369.7 | 15.5 | | | |
| FM (30°-60°) | 1284.6 | 53.9 | | | |
| FH (60°-80°) | 249.2 | 10.5 | | | G0/660 |
| FVH (80°-90°) | 2.2 | 0.1 | | | G0/10 |
| BL (0°-30°) | 156.5 | 6.6 | B1/500 | | |
| BM (30°-60°) | 263.4 | 11.1 | B1/1000 | | |
| BH (60°-80°) | 54.8 | 2.3 | B0/110 | | G0/110 |
| BVH (80°-90°) | 2.6 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 |
| 2.5° | 1256.2 | 1236.8 | 1212.3 | 1191.9 | 1161.7 | 1100.7 | 1084.1 | 1064.3 | 1047.7 | 1025.5 | 994.3 |
| 5° | 1142.3 | 1136.1 | 1124.8 | 1048.2 | 992.9 | 919.1 | 858.6 | 833.1 | 799.5 | 772.1 | 752.2 |
| 7.5° | 1055.3 | 1030.7 | 994.8 | 917.7 | 829.3 | 750.3 | 683.2 | 644.0 | 599.5 | 584.4 | 557.4 |
| 10° | 962.2 | 967.8 | 914.9 | 806.6 | 699.7 | 635.9 | 594.3 | 556.5 | 516.3 | 489.8 | 451.5 |
| 12.5° | 932.4 | 913.9 | 873.3 | 739.5 | 648.2 | 588.6 | 538.0 | 491.2 | 448.7 | 406.1 | 369.3 |
| 15° | 951.8 | 923.4 | 866.6 | 725.3 | 608.5 | 534.3 | 470.9 | 407.6 | 368.3 | 313.9 | 275.6 |
| 17.5° | 1021.3 | 998.6 | 922.4 | 740.4 | 588.2 | 482.3 | 388.2 | 322.9 | 262.9 | 213.7 | 194.3 |
| 20° | 1137.1 | 1104.9 | 1009.4 | 759.8 | 557.9 | 419.4 | 314.9 | 234.5 | 177.8 | 157.0 | 146.1 |
| 22.5° | 1250.6 | 1233.1 | 1112.5 | 797.1 | 531.0 | 363.6 | 236.4 | 157.9 | 132.9 | 129.1 | 122.0 |
| 25° | 1466.6 | 1414.2 | 1269.9 | 864.8 | 510.2 | 311.1 | 178.2 | 127.2 | 112.5 | 109.7 | 110.6 |
| 27.5° | 1595.2 | 1551.3 | 1415.6 | 909.7 | 487.0 | 270.9 | 150.8 | 116.8 | 106.9 | 100.7 | 98.3 |
| 30° | 1718.6 | 1667.6 | 1487.9 | 936.1 | 437.3 | 228.4 | 133.8 | 112.1 | 109.7 | 100.7 | 97.9 |
| 32.5° | 1813.7 | 1763.6 | 1592.4 | 975.9 | 417.0 | 200.9 | 110.2 | 87.5 | 81.3 | 80.4 | 88.9 |
| 35° | 1959.3 | 1905.9 | 1681.8 | 997.6 | 401.4 | 186.8 | 95.5 | 78.0 | 70.9 | 68.1 | 68.6 |
| 37.5° | 2095.0 | 2058.6 | 1764.5 | 1006.1 | 384.9 | 182.5 | 85.6 | 70.0 | 63.8 | 61.9 | 61.5 |
| 40° | 2208.5 | 2127.1 | 1843.0 | 1015.1 | 377.8 | 174.5 | 79.4 | 63.8 | 59.6 | 56.7 | 56.7 |
| 42.5° | 2260.5 | 2177.7 | 1930.9 | 1009.9 | 375.9 | 161.7 | 79.4 | 58.6 | 55.3 | 52.5 | 52.0 |
| 45° | 2249.1 | 2215.5 | 1970.2 | 1007.5 | 375.9 | 148.9 | 72.3 | 57.2 | 52.5 | 48.7 | 47.8 |
| 47.5° | 2278.4 | 2234.5 | 2019.3 | 1017.5 | 368.3 | 139.9 | 61.0 | 60.0 | 49.6 | 44.9 | 44.0 |
| 50° | 2283.6 | 2292.1 | 2104.9 | 1069.0 | 351.8 | 128.6 | 47.8 | 59.1 | 47.8 | 40.7 | 39.7 |
| 52° | 2317.7 | 2264.7 | 2130.9 | 1096.4 | 334.3 | 120.1 | 40.2 | 50.6 | 45.9 | 37.8 | 36.9 |
| 52.5° | 2270.9 | 2305.4 | 2137.1 | 1106.4 | 336.2 | 114.4 | 38.8 | 49.6 | 44.9 | 37.8 | 35.5 |
| 55° | 2218.4 | 2251.5 | 2112.0 | 1127.6 | 308.3 | 89.8 | 30.3 | 35.9 | 40.7 | 33.1 | 31.7 |
| 57.5° | 1928.1 | 1961.7 | 1835.4 | 1032.6 | 251.1 | 63.4 | 25.1 | 26.9 | 35.9 | 30.7 | 29.3 |
| 60° | 1713.9 | 1689.8 | 1540.4 | 861.4 | 178.2 | 35.5 | 19.9 | 20.8 | 39.2 | 28.4 | 27.9 |
| 62.5° | 1566.4 | 1514.9 | 1287.4 | 665.2 | 108.7 | 23.6 | 15.6 | 16.1 | 30.3 | 26.5 | 26.5 |
| 65° | 1158.8 | 1101.2 | 855.3 | 402.4 | 53.4 | 16.5 | 11.8 | 12.8 | 18.9 | 22.7 | 22.7 |
| 67.5° | 661.4 | 639.2 | 413.2 | 181.6 | 22.2 | 10.4 | 9.0 | 9.9 | 14.7 | 18.4 | 17.5 |
| 70° | 304.0 | 272.8 | 158.9 | 38.3 | 10.4 | 7.1 | 7.1 | 8.0 | 11.8 | 13.7 | 12.8 |
| 72.5° | 88.9 | 84.2 | 38.8 | 6.1 | 4.3 | 4.3 | 4.7 | 6.1 | 9.0 | 10.4 | 9.5 |
| 75° | 6.6 | 4.3 | 2.8 | 1.9 | 1.9 | 2.8 | 3.8 | 6.1 | 9.0 | 9.9 | 8.0 |
| 77.5° | 0.5 | 0.9 | 0.5 | 0.5 | 1.4 | 2.8 | 4.3 | 7.6 | 11.8 | 12.3 | 9.0 |
| 80° | 0.5 | 0.5 | 0.0 | 0.5 | 1.4 | 2.8 | 4.7 | 8.5 | 13.2 | 14.2 | 7.6 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.5 | 1.9 | 3.8 | 5.7 | 9.0 | 12.3 | 15.1 | 8.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.5 | 2.8 | 5.2 | 6.6 | 2.4 | 1.4 | 0.0 | 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 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 |
| 2.5° | 1016.5 | 1004.2 | 999.5 | 1003.8 | 1002.3 | 1000.9 | 1026.9 | 1021.3 | 1020.3 | 1028.8 | 1026.9 |
| 5° | 763.1 | 741.4 | 800.9 | 776.8 | 801.9 | 817.0 | 819.8 | 821.3 | 838.8 | 820.3 | 844.4 |
| 7.5° | 543.7 | 549.4 | 548.9 | 565.0 | 593.8 | 619.4 | 634.5 | 622.7 | 621.7 | 619.4 | 609.0 |
| 10° | 434.5 | 424.6 | 422.7 | 418.9 | 427.9 | 449.6 | 468.1 | 453.4 | 443.0 | 457.2 | 452.9 |
| 12.5° | 355.1 | 341.4 | 333.8 | 318.7 | 319.1 | 333.8 | 333.8 | 333.8 | 344.2 | 352.2 | 358.4 |
| 15° | 272.3 | 261.0 | 261.0 | 245.9 | 242.5 | 243.0 | 250.6 | 251.5 | 268.1 | 272.8 | 275.2 |
| 17.5° | 190.5 | 184.4 | 191.5 | 197.6 | 193.8 | 194.8 | 197.6 | 198.6 | 200.9 | 199.0 | 203.8 |
| 20° | 146.6 | 145.6 | 147.5 | 158.4 | 166.4 | 171.2 | 167.8 | 163.1 | 160.3 | 153.7 | 153.7 |
| 22.5° | 124.3 | 126.2 | 129.5 | 138.5 | 148.9 | 151.8 | 148.0 | 137.1 | 128.6 | 127.7 | 128.1 |
| 25° | 110.6 | 112.5 | 117.7 | 123.4 | 129.1 | 133.8 | 130.0 | 122.0 | 117.3 | 113.0 | 113.0 |
| 27.5° | 102.1 | 103.1 | 105.9 | 110.2 | 114.9 | 118.7 | 117.3 | 113.0 | 107.8 | 105.9 | 101.7 |
| 30° | 95.5 | 96.9 | 100.2 | 101.2 | 105.4 | 107.3 | 105.0 | 104.0 | 100.7 | 98.3 | 96.9 |
| 32.5° | 92.2 | 91.7 | 94.1 | 95.0 | 95.5 | 96.9 | 94.1 | 95.5 | 95.0 | 91.3 | 89.8 |
| 35° | 69.5 | 73.3 | 79.4 | 84.6 | 86.0 | 87.9 | 87.5 | 85.6 | 80.4 | 76.1 | 70.9 |
| 37.5° | 62.4 | 64.8 | 68.1 | 72.3 | 78.0 | 80.4 | 79.4 | 74.7 | 68.6 | 65.7 | 64.8 |
| 40° | 57.7 | 59.1 | 61.9 | 64.8 | 70.4 | 74.7 | 71.4 | 67.1 | 62.4 | 60.0 | 58.6 |
| 42.5° | 53.4 | 53.9 | 55.3 | 58.2 | 62.4 | 69.0 | 63.4 | 57.7 | 55.8 | 54.4 | 53.4 |
| 45° | 48.7 | 48.7 | 50.6 | 52.0 | 56.7 | 62.9 | 57.2 | 52.0 | 51.1 | 50.1 | 49.6 |
| 47.5° | 44.9 | 45.4 | 46.3 | 48.2 | 52.0 | 56.3 | 52.5 | 48.2 | 45.9 | 45.4 | 44.4 |
| 50° | 40.2 | 40.7 | 42.6 | 44.4 | 49.2 | 51.5 | 49.2 | 44.4 | 42.1 | 40.7 | 40.7 |
| 52° | 36.4 | 37.8 | 39.7 | 43.5 | 46.8 | 50.6 | 47.8 | 42.6 | 39.7 | 38.3 | 37.4 |
| 52.5° | 35.9 | 36.9 | 38.8 | 43.0 | 46.8 | 50.1 | 47.3 | 42.1 | 38.8 | 37.8 | 36.9 |
| 55° | 32.2 | 33.6 | 36.9 | 42.1 | 46.3 | 50.1 | 46.3 | 41.6 | 36.9 | 34.5 | 33.6 |
| 57.5° | 30.7 | 31.7 | 35.9 | 42.6 | 45.9 | 50.1 | 46.3 | 41.6 | 36.9 | 32.6 | 31.7 |
| 60° | 29.3 | 31.2 | 35.9 | 41.1 | 45.4 | 50.6 | 46.8 | 41.1 | 35.9 | 30.7 | 30.7 |
| 62.5° | 27.9 | 29.3 | 35.5 | 40.2 | 43.5 | 48.7 | 44.9 | 40.2 | 34.5 | 29.3 | 28.8 |
| 65° | 24.1 | 26.5 | 31.2 | 33.6 | 37.4 | 42.1 | 38.3 | 35.0 | 30.3 | 26.0 | 25.5 |
| 67.5° | 18.4 | 19.4 | 23.2 | 26.0 | 28.4 | 32.6 | 30.7 | 26.5 | 23.2 | 19.9 | 19.9 |
| 70° | 12.8 | 13.7 | 16.5 | 18.0 | 20.3 | 22.7 | 21.3 | 18.0 | 15.6 | 13.7 | 13.2 |
| 72.5° | 9.0 | 9.5 | 10.4 | 11.3 | 12.3 | 13.2 | 12.8 | 10.4 | 9.0 | 8.5 | 8.0 |
| 75° | 7.1 | 8.0 | 8.5 | 8.0 | 7.6 | 7.1 | 7.1 | 6.1 | 5.2 | 4.7 | 4.7 |
| 77.5° | 7.1 | 7.6 | 7.1 | 6.1 | 5.2 | 4.7 | 4.3 | 3.8 | 2.8 | 2.4 | 2.8 |
| 80° | 6.1 | 6.1 | 6.1 | 5.2 | 4.7 | 4.3 | 3.8 | 3.3 | 2.8 | 2.4 | 2.4 |
| 82.5° | 6.6 | 6.6 | 6.1 | 5.2 | 5.2 | 4.3 | 4.3 | 3.8 | 3.3 | 2.4 | 2.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.9 | 2.4 | 4.3 | 4.3 | 3.8 | 3.3 | 2.8 | 2.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.9 | 1.9 | 2.4 | 2.8 | 2.8 | 2.8 |
| 90° | 0.0 | 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° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 |
| 2.5° | 1043.9 | 1061.9 | 1096.0 | 1130.0 | 1150.8 | 1175.4 | 1219.8 | 1243.5 | 1274.2 | 1289.3 | 1319.1 |
| 5° | 841.1 | 883.7 | 898.8 | 937.6 | 979.2 | 1020.8 | 1087.0 | 1159.8 | 1220.3 | 1261.9 | 1315.8 |
| 7.5° | 613.7 | 623.6 | 682.3 | 708.3 | 776.3 | 852.0 | 942.3 | 1034.0 | 1110.6 | 1178.7 | 1219.8 |
| 10° | 460.0 | 496.4 | 533.3 | 583.0 | 637.8 | 715.8 | 802.3 | 903.5 | 1002.8 | 1070.9 | 1122.9 |
| 12.5° | 369.7 | 398.6 | 447.7 | 501.2 | 568.8 | 620.3 | 707.3 | 807.5 | 936.1 | 1002.8 | 1071.4 |
| 15° | 279.9 | 316.8 | 372.6 | 427.9 | 499.3 | 553.7 | 641.6 | 767.8 | 933.3 | 1025.0 | 1084.1 |
| 17.5° | 207.6 | 232.6 | 282.7 | 344.7 | 417.5 | 494.1 | 612.8 | 763.6 | 965.0 | 1074.2 | 1135.2 |
| 20° | 158.9 | 167.4 | 199.0 | 254.4 | 333.3 | 433.6 | 565.9 | 782.0 | 1058.6 | 1193.8 | 1255.8 |
| 22.5° | 128.6 | 132.4 | 144.7 | 183.0 | 259.6 | 380.6 | 543.7 | 794.8 | 1164.0 | 1337.1 | 1419.8 |
| 25° | 112.1 | 111.1 | 119.1 | 135.7 | 202.8 | 331.0 | 515.4 | 843.0 | 1293.1 | 1505.4 | 1579.6 |
| 27.5° | 102.1 | 102.1 | 105.9 | 117.7 | 168.3 | 298.8 | 497.4 | 877.5 | 1423.1 | 1653.4 | 1693.6 |
| 30° | 96.9 | 97.9 | 108.7 | 112.5 | 139.9 | 260.5 | 467.6 | 912.5 | 1547.5 | 1747.9 | 1803.3 |
| 32.5° | 89.8 | 86.0 | 83.7 | 93.1 | 117.7 | 226.0 | 437.8 | 927.2 | 1648.2 | 1863.8 | 1911.1 |
| 35° | 69.0 | 67.1 | 70.0 | 77.1 | 101.2 | 196.7 | 404.7 | 943.7 | 1764.0 | 1998.1 | 2007.5 |
| 37.5° | 62.4 | 61.9 | 63.8 | 70.0 | 85.1 | 171.2 | 381.1 | 939.5 | 1852.4 | 2109.2 | 2083.6 |
| 40° | 57.7 | 57.7 | 59.1 | 64.3 | 76.1 | 153.2 | 356.5 | 935.7 | 1938.0 | 2234.0 | 2159.3 |
| 42.5° | 53.9 | 53.9 | 56.3 | 59.6 | 72.3 | 141.4 | 338.1 | 930.5 | 2009.9 | 2310.6 | 2203.7 |
| 45° | 48.7 | 50.1 | 53.9 | 57.2 | 73.3 | 133.3 | 324.3 | 910.6 | 2034.5 | 2309.6 | 2182.5 |
| 47.5° | 44.9 | 46.8 | 50.6 | 55.3 | 66.2 | 131.0 | 314.9 | 893.1 | 2026.0 | 2252.9 | 2115.8 |
| 50° | 40.7 | 43.0 | 48.2 | 56.3 | 56.3 | 126.2 | 305.0 | 908.7 | 2019.8 | 2208.9 | 2052.0 |
| 52° | 37.8 | 39.7 | 46.3 | 54.8 | 49.2 | 116.3 | 298.8 | 939.0 | 2044.9 | 2203.3 | 2023.6 |
| 52.5° | 37.4 | 38.8 | 44.9 | 53.9 | 46.8 | 114.4 | 294.6 | 946.1 | 2052.9 | 2189.1 | 2043.0 |
| 55° | 33.1 | 35.0 | 41.1 | 42.1 | 38.3 | 94.1 | 280.8 | 962.2 | 2013.2 | 2161.2 | 2024.5 |
| 57.5° | 31.2 | 32.2 | 36.4 | 34.5 | 33.1 | 70.9 | 241.6 | 937.1 | 1788.1 | 1919.6 | 1883.6 |
| 60° | 28.8 | 29.8 | 34.0 | 26.9 | 27.9 | 49.6 | 181.6 | 813.7 | 1435.9 | 1599.5 | 1664.3 |
| 62.5° | 27.9 | 27.4 | 32.2 | 21.7 | 23.6 | 35.9 | 128.1 | 661.4 | 1106.4 | 1316.8 | 1428.8 |
| 65° | 24.6 | 24.1 | 23.2 | 18.4 | 20.3 | 27.9 | 76.6 | 431.7 | 779.7 | 996.2 | 1057.7 |
| 67.5° | 18.9 | 19.9 | 17.0 | 14.7 | 17.0 | 21.7 | 42.6 | 193.4 | 409.0 | 597.6 | 647.3 |
| 70° | 13.2 | 14.2 | 13.7 | 12.8 | 15.1 | 18.0 | 24.6 | 66.2 | 169.3 | 313.9 | 346.1 |
| 72.5° | 8.0 | 9.9 | 10.4 | 10.9 | 13.2 | 15.6 | 17.5 | 21.3 | 44.9 | 111.1 | 138.1 |
| 75° | 4.7 | 6.6 | 8.0 | 9.5 | 10.9 | 13.2 | 14.7 | 15.1 | 15.6 | 20.8 | 33.6 |
| 77.5° | 3.3 | 4.7 | 7.1 | 9.0 | 10.9 | 13.2 | 15.6 | 16.5 | 15.6 | 14.7 | 15.6 |
| 80° | 2.8 | 4.7 | 6.6 | 8.5 | 11.3 | 13.7 | 15.6 | 15.6 | 15.1 | 13.2 | 14.2 |
| 82.5° | 2.8 | 4.7 | 7.1 | 9.0 | 10.9 | 13.2 | 15.1 | 15.6 | 14.2 | 13.2 | 13.7 |
| 85° | 3.3 | 5.2 | 7.6 | 9.5 | 11.8 | 10.9 | 9.9 | 8.0 | 7.6 | 6.1 | 6.6 |
| 87.5° | 3.3 | 4.7 | 4.7 | 5.2 | 5.7 | 5.7 | 5.7 | 5.2 | 4.3 | 3.8 | 3.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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| 0° | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 | 1208.5 |
| 2.5° | 1320.5 | 1358.4 | 1356.9 | 1357.9 | 1352.2 | 1313.9 | 1295.5 | 1248.7 | 1261.9 | 1256.2 |
| 5° | 1371.1 | 1408.5 | 1440.6 | 1436.8 | 1393.3 | 1341.3 | 1264.3 | 1191.5 | 1171.6 | 1142.3 |
| 7.5° | 1320.5 | 1410.4 | 1440.2 | 1435.9 | 1371.6 | 1304.9 | 1182.0 | 1109.2 | 1074.7 | 1055.3 |
| 10° | 1240.2 | 1344.2 | 1381.1 | 1388.6 | 1345.1 | 1243.9 | 1130.9 | 1014.2 | 995.7 | 962.2 |
| 12.5° | 1194.3 | 1269.9 | 1292.6 | 1313.0 | 1297.8 | 1222.2 | 1092.2 | 980.1 | 954.6 | 932.4 |
| 15° | 1156.9 | 1201.9 | 1211.3 | 1234.5 | 1243.5 | 1202.8 | 1112.5 | 1017.0 | 954.1 | 951.8 |
| 17.5° | 1191.5 | 1173.0 | 1138.5 | 1145.6 | 1174.0 | 1203.3 | 1165.0 | 1089.8 | 1028.8 | 1021.3 |
| 20° | 1248.7 | 1167.3 | 1089.3 | 1106.8 | 1130.5 | 1220.3 | 1244.4 | 1191.5 | 1156.5 | 1137.1 |
| 22.5° | 1314.4 | 1177.3 | 1073.7 | 1082.2 | 1127.2 | 1258.6 | 1373.0 | 1343.7 | 1278.5 | 1250.6 |
| 25° | 1435.9 | 1204.7 | 1086.0 | 1091.7 | 1153.2 | 1312.0 | 1489.3 | 1511.1 | 1472.3 | 1466.6 |
| 27.5° | 1554.6 | 1275.6 | 1113.0 | 1100.2 | 1166.4 | 1364.0 | 1559.8 | 1676.6 | 1608.5 | 1595.2 |
| 30° | 1615.1 | 1333.3 | 1153.2 | 1131.4 | 1221.2 | 1395.7 | 1602.3 | 1784.4 | 1724.8 | 1718.6 |
| 32.5° | 1707.8 | 1385.8 | 1184.4 | 1156.5 | 1252.0 | 1435.0 | 1681.8 | 1902.1 | 1844.4 | 1813.7 |
| 35° | 1746.5 | 1443.0 | 1252.9 | 1220.3 | 1339.9 | 1489.8 | 1722.4 | 2007.0 | 1989.1 | 1959.3 |
| 37.5° | 1821.2 | 1504.5 | 1333.8 | 1331.9 | 1446.3 | 1561.2 | 1795.7 | 2149.8 | 2146.5 | 2095.0 |
| 40° | 1827.4 | 1571.6 | 1461.4 | 1521.0 | 1610.8 | 1685.5 | 1860.0 | 2189.5 | 2243.4 | 2208.5 |
| 42.5° | 1836.8 | 1689.3 | 1682.2 | 1731.4 | 1808.5 | 1792.4 | 1862.4 | 2199.0 | 2281.3 | 2260.5 |
| 45° | 1841.1 | 1807.0 | 1906.8 | 1997.6 | 2029.7 | 1932.3 | 1840.1 | 2181.0 | 2301.1 | 2249.1 |
| 47.5° | 1807.0 | 1908.2 | 2088.4 | 2263.8 | 2273.2 | 2018.4 | 1830.7 | 2162.6 | 2312.9 | 2278.4 |
| 50° | 1811.8 | 1971.6 | 2245.3 | 2402.3 | 2367.8 | 2094.5 | 1816.0 | 2151.2 | 2306.8 | 2283.6 |
| 52° | 1800.4 | 1973.0 | 2267.6 | 2399.5 | 2375.4 | 2052.4 | 1791.0 | 2107.8 | 2301.1 | 2317.7 |
| 52.5° | 1813.2 | 1964.5 | 2244.4 | 2401.4 | 2370.2 | 2073.2 | 1787.7 | 2131.9 | 2304.4 | 2270.9 |
| 55° | 1769.2 | 1863.3 | 2108.7 | 2175.4 | 2170.6 | 1881.8 | 1686.0 | 2052.0 | 2217.9 | 2218.4 |
| 57.5° | 1599.0 | 1615.1 | 1653.9 | 1652.4 | 1630.7 | 1479.4 | 1442.0 | 1887.0 | 1977.3 | 1928.1 |
| 60° | 1408.9 | 1182.5 | 1078.0 | 1035.4 | 1011.3 | 986.7 | 1275.6 | 1726.2 | 1734.7 | 1713.9 |
| 62.5° | 1217.5 | 819.8 | 680.8 | 669.0 | 674.7 | 764.5 | 1233.1 | 1662.4 | 1611.3 | 1566.4 |
| 65° | 982.5 | 597.6 | 494.6 | 478.9 | 534.3 | 631.2 | 998.1 | 1274.7 | 1196.2 | 1158.8 |
| 67.5° | 617.0 | 435.9 | 334.3 | 305.0 | 371.6 | 434.5 | 655.8 | 800.9 | 713.0 | 661.4 |
| 70° | 365.9 | 243.5 | 151.3 | 135.7 | 152.7 | 231.7 | 367.4 | 399.5 | 330.5 | 304.0 |
| 72.5° | 144.2 | 89.4 | 42.1 | 35.9 | 37.4 | 81.3 | 135.2 | 131.9 | 99.8 | 88.9 |
| 75° | 38.8 | 26.9 | 14.7 | 11.8 | 9.9 | 15.1 | 21.7 | 14.2 | 5.2 | 6.6 |
| 77.5° | 18.0 | 16.1 | 12.8 | 9.9 | 7.6 | 5.7 | 2.8 | 0.9 | 0.9 | 0.5 |
| 80° | 15.6 | 13.7 | 11.8 | 9.9 | 7.6 | 4.7 | 2.4 | 0.5 | 0.5 | 0.5 |
| 82.5° | 14.7 | 12.8 | 10.9 | 9.0 | 7.1 | 4.7 | 2.4 | 0.5 | 0.0 | 0.0 |
| 85° | 6.1 | 8.0 | 9.0 | 8.5 | 7.6 | 4.7 | 2.4 | 0.5 | 0.0 | 0.0 |
| 87.5° | 3.3 | 2.8 | 2.4 | 1.9 | 1.4 | 0.9 | 0.9 | 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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