

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: P459512

Luminaire Tested: **GLAN-SA9C-735-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9C-735-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51178 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

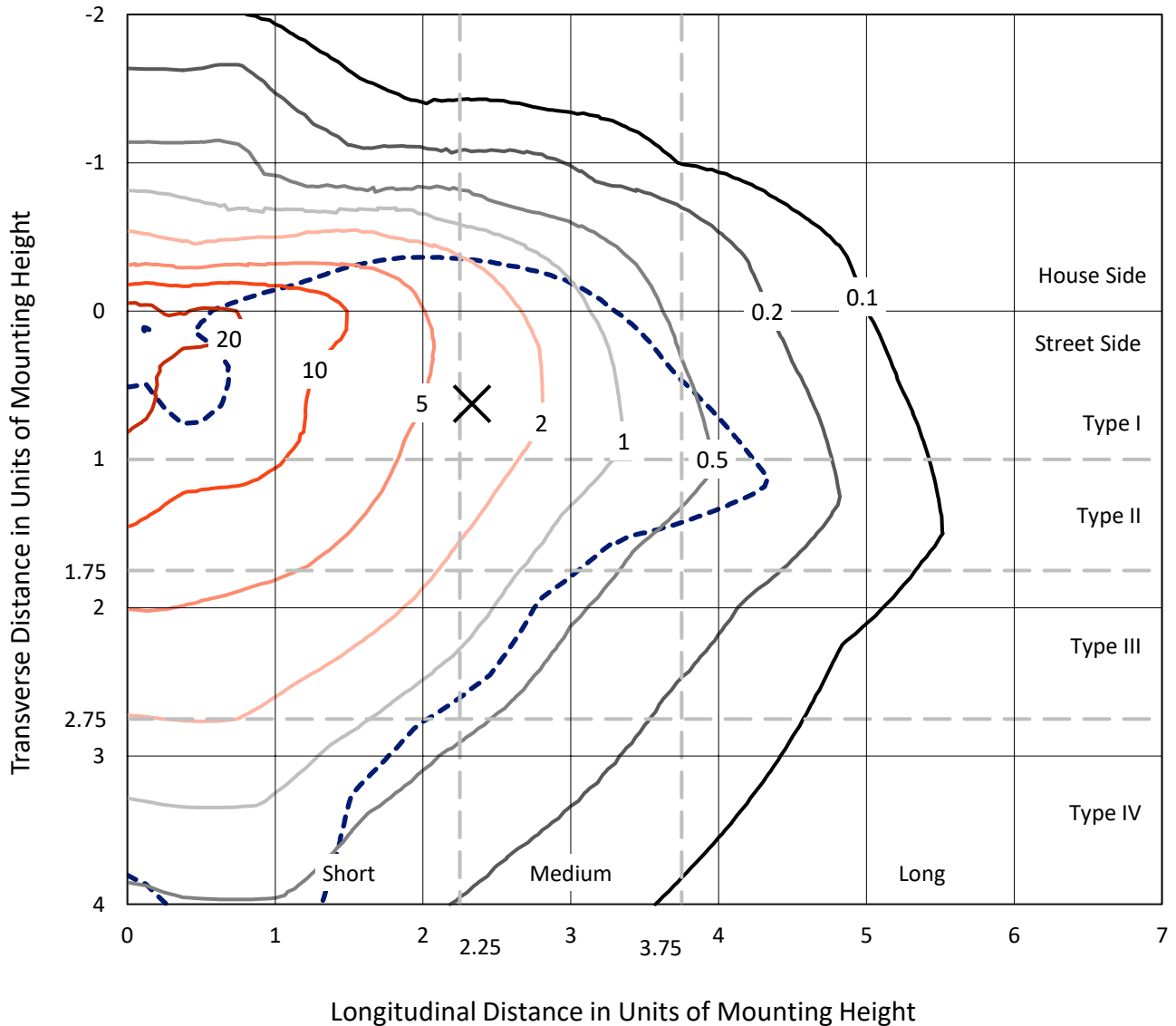
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

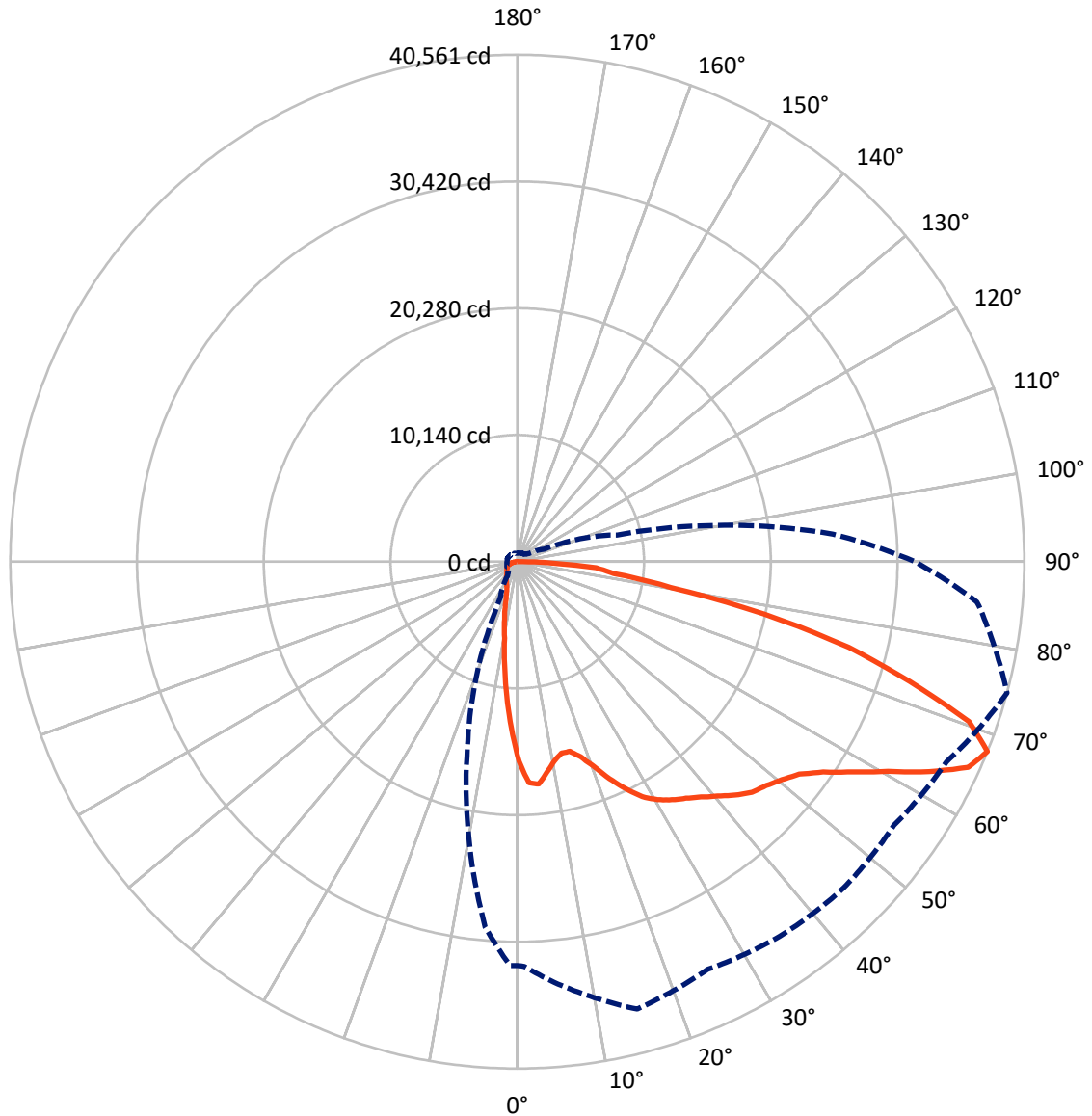
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 31.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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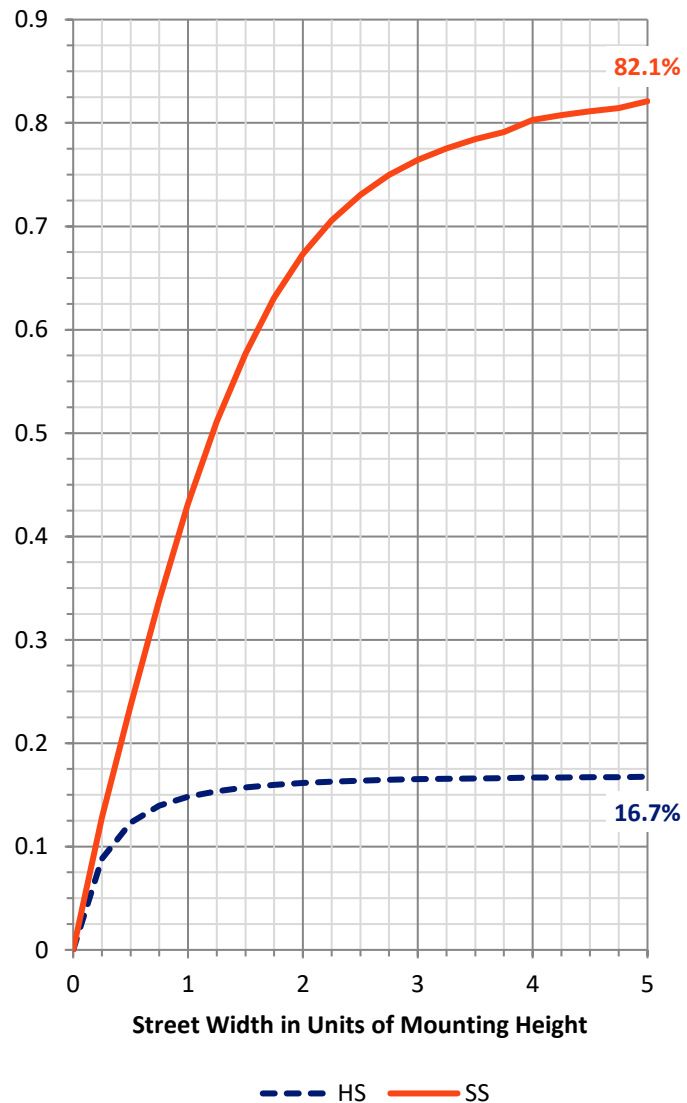
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 8650.2 | 0.0 | 8650.2 |
| | % Fixture | 16.9 | 0.0 | 16.9 |
| Street Side | Lumens | 42527.8 | 0.0 | 42527.8 |
| | % Fixture | 83.1 | 0.0 | 83.1 |
| Total | Lumens | 51178.0 | 0.0 | 51178.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 1212.7 | 2.4 |
| 10°-20° | 2529.2 | 4.9 |
| 20°-30° | 3639.6 | 7.1 |
| 30°-40° | 5242.0 | 10.2 |
| 40°-50° | 7363.5 | 14.4 |
| 50°-60° | 10269.6 | 20.1 |
| 60°-70° | 12209.9 | 23.9 |
| 70°-80° | 7190.9 | 14.1 |
| 80°-90° | 1520.6 | 3.0 |
| 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° | 51178.0 | 100.0 |
| 0°-180° | 51178.0 | 100.0 |



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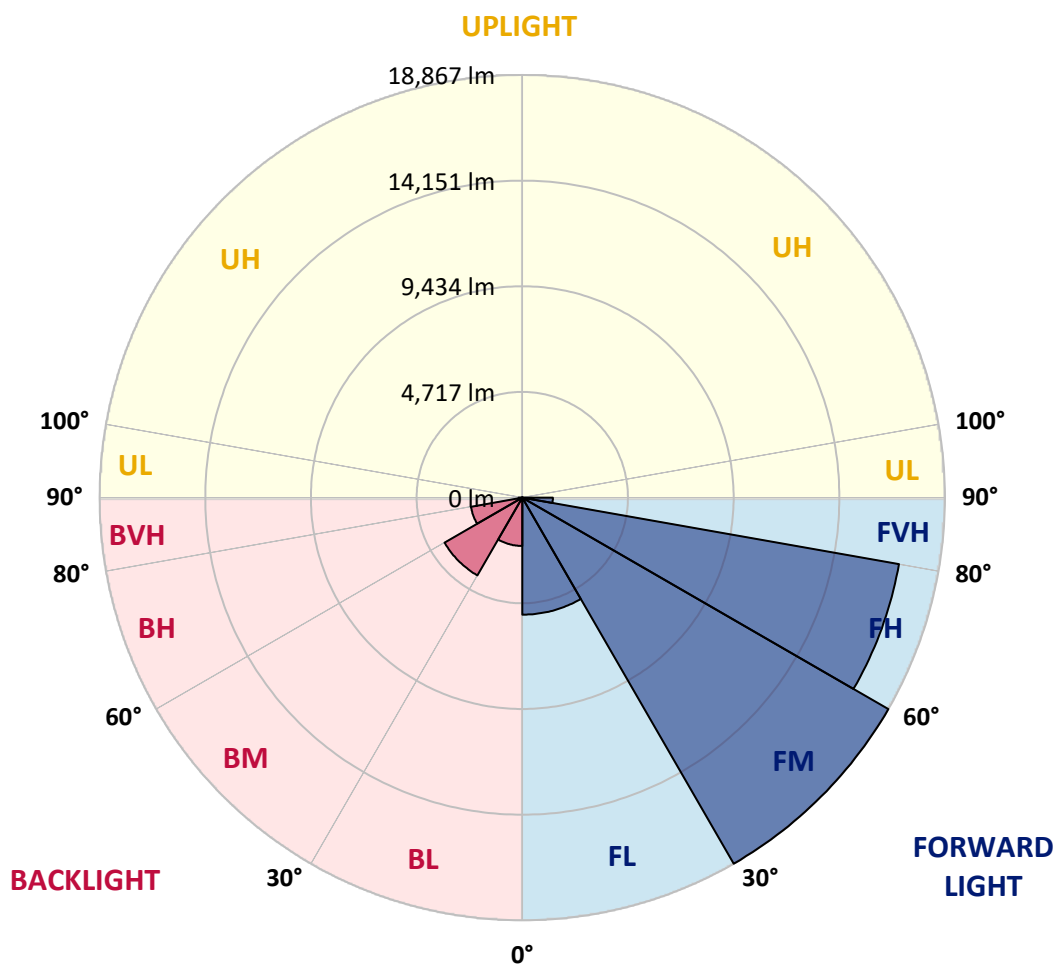
CATALOG NUMBER: GLAN-SA9C-735-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 5223.9 | 10.2 | | | |
| FM | (30°-60°) | 18867.4 | 36.9 | | | |
| FH | (60°-80°) | 17073.2 | 33.4 | | | G5 |
| FVH | (80°-90°) | 1363.3 | 2.7 | | | G5 |
| BL | (0°-30°) | 2157.6 | 4.2 | B3/2500 | | |
| BM | (30°-60°) | 4007.7 | 7.8 | B3/5000 | | |
| BH | (60°-80°) | 2327.6 | 4.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 157.3 | 0.3 | | | G2/225 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 |
| 2.5° | 17239.6 | 17262.6 | 17410.3 | 17840.2 | 18135.6 | 18243.9 | 18319.3 | 18178.2 | 18040.4 | 17705.6 | 17200.2 |
| 5° | 17187.1 | 17321.7 | 17705.6 | 18670.5 | 19431.9 | 19760.1 | 19858.5 | 19435.2 | 18736.1 | 17876.3 | 16842.5 |
| 7.5° | 16182.8 | 16363.4 | 16954.1 | 18572.0 | 19914.3 | 20682.3 | 20580.5 | 19815.9 | 18555.6 | 17023.0 | 15579.0 |
| 10° | 14991.5 | 15191.7 | 15903.9 | 17859.9 | 19589.4 | 20646.2 | 20646.2 | 19714.1 | 18040.4 | 16218.9 | 14555.0 |
| 12.5° | 14046.4 | 14256.4 | 15070.3 | 17128.0 | 18913.4 | 19914.3 | 20081.7 | 19280.9 | 17669.5 | 15710.3 | 13882.3 |
| 15° | 13734.6 | 13938.1 | 14814.3 | 16685.0 | 18197.9 | 18808.3 | 18864.1 | 18601.6 | 17489.0 | 15746.4 | 13852.7 |
| 17.5° | 14121.8 | 14384.4 | 15270.5 | 16816.2 | 17541.5 | 17577.6 | 17620.3 | 17827.1 | 17508.7 | 16406.0 | 14450.0 |
| 20° | 15241.0 | 15523.2 | 16448.7 | 17239.6 | 16967.2 | 16593.1 | 16616.1 | 17147.7 | 17741.7 | 17495.6 | 15877.6 |
| 22.5° | 16855.6 | 17101.8 | 18050.2 | 17984.6 | 16724.4 | 15953.1 | 15792.3 | 16534.0 | 18086.3 | 18854.3 | 17397.1 |
| 25° | 18598.3 | 18887.1 | 19976.7 | 19090.6 | 16793.3 | 15572.4 | 15470.7 | 16173.0 | 18444.0 | 20124.4 | 19152.9 |
| 27.5° | 20593.7 | 20875.9 | 21735.8 | 20206.4 | 17154.3 | 15542.9 | 15421.5 | 16140.2 | 18765.7 | 21299.3 | 20830.0 |
| 30° | 22077.1 | 22336.3 | 22920.5 | 21145.0 | 17597.3 | 15739.8 | 15588.8 | 16399.5 | 19041.3 | 22103.3 | 22464.3 |
| 32.5° | 23242.1 | 23511.2 | 23829.6 | 21729.2 | 18181.5 | 16097.5 | 15818.6 | 16872.0 | 19402.4 | 22717.0 | 23675.3 |
| 35° | 24456.4 | 24774.8 | 24751.8 | 22247.7 | 18726.3 | 16511.0 | 16238.6 | 17554.7 | 19970.1 | 23252.0 | 25211.2 |
| 37.5° | 25995.6 | 26123.6 | 25959.5 | 22713.7 | 19379.4 | 17256.0 | 17105.1 | 18568.8 | 20777.5 | 23898.5 | 27006.4 |
| 40° | 27557.8 | 27813.8 | 26970.3 | 23278.2 | 20173.6 | 18657.4 | 18641.0 | 20068.6 | 21735.8 | 24656.6 | 28745.8 |
| 42.5° | 28896.8 | 29113.4 | 27915.5 | 23770.5 | 21135.2 | 20367.2 | 20491.9 | 22080.3 | 22992.7 | 25536.1 | 30143.9 |
| 45° | 29904.3 | 30097.9 | 28788.5 | 24246.4 | 22402.0 | 22342.9 | 23078.0 | 24236.5 | 24577.8 | 26327.1 | 30964.3 |
| 47.5° | 30760.9 | 30947.9 | 29395.6 | 24968.4 | 23967.4 | 24702.6 | 25982.5 | 26484.6 | 25933.3 | 26780.0 | 31883.3 |
| 50° | 31482.9 | 31538.7 | 29812.4 | 25828.2 | 25910.3 | 27593.9 | 28834.4 | 29159.3 | 27272.3 | 27429.8 | 32680.8 |
| 52.5° | 32234.4 | 32162.2 | 30531.1 | 26911.2 | 28010.7 | 30337.5 | 31240.0 | 31578.0 | 28555.5 | 28230.6 | 33842.5 |
| 55° | 33918.0 | 33986.9 | 32142.5 | 28276.5 | 30134.0 | 33031.9 | 34219.9 | 33895.0 | 29976.5 | 29704.1 | 35319.4 |
| 57.5° | 35952.8 | 35893.7 | 34410.3 | 30413.0 | 32296.8 | 35539.3 | 36425.4 | 35903.5 | 31873.4 | 31729.0 | 36815.9 |
| 60° | 36743.7 | 36822.5 | 36307.2 | 32710.3 | 34430.0 | 37734.8 | 38640.6 | 37830.0 | 34147.7 | 34082.1 | 37944.9 |
| 62.5° | 35949.5 | 36392.5 | 36740.4 | 34754.9 | 36248.1 | 39349.5 | 40248.7 | 39323.2 | 36520.5 | 36996.4 | 38735.8 |
| 65° | 34367.6 | 34462.8 | 35647.6 | 36487.7 | 37124.4 | 39615.3 | 40084.6 | 39592.4 | 38502.8 | 39651.4 | 38699.7 |
| 67.5° | 32313.2 | 32395.2 | 33783.5 | 37055.5 | 35995.4 | 36596.0 | 36924.2 | 36779.8 | 37889.1 | 40560.5 | 36917.6 |
| 70° | 30357.2 | 30291.6 | 31758.6 | 35608.2 | 31335.2 | 30422.8 | 30695.2 | 30242.3 | 32693.9 | 38338.7 | 33422.5 |
| 72.5° | 26550.2 | 26786.5 | 28361.8 | 31584.6 | 24810.9 | 23327.5 | 23921.5 | 22749.8 | 25145.6 | 32835.0 | 27127.8 |
| 75° | 20797.1 | 20852.9 | 23481.7 | 26507.6 | 18716.4 | 16376.5 | 17180.5 | 16691.5 | 19261.2 | 27390.4 | 18732.9 |
| 77.5° | 14400.8 | 14276.1 | 17101.8 | 20245.8 | 13347.3 | 11988.6 | 12001.8 | 11768.7 | 13449.1 | 20167.0 | 12727.1 |
| 80° | 9146.5 | 8956.2 | 10705.4 | 12507.2 | 9172.8 | 9812.8 | 9491.1 | 9481.3 | 8756.0 | 12441.5 | 7696.0 |
| 82.5° | 4942.5 | 5152.5 | 6763.9 | 7840.4 | 6580.1 | 7584.4 | 6951.0 | 6747.5 | 6009.1 | 7787.9 | 4922.8 |
| 85° | 2251.4 | 2448.3 | 3606.8 | 5333.0 | 4998.3 | 5054.1 | 3377.0 | 3984.2 | 4972.0 | 6324.1 | 2628.8 |
| 87.5° | 219.9 | 282.2 | 745.0 | 2517.2 | 1706.6 | 1345.6 | 502.1 | 968.1 | 1250.4 | 2248.1 | 210.0 |
| 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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CATALOG NUMBER: GLAN-SA9C-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 |
| 2.5° | 16993.5 | 16822.8 | 16241.9 | 15762.8 | 15254.1 | 14866.8 | 14361.4 | 14023.4 | 13790.4 | 13439.2 | 13396.5 |
| 5° | 16212.4 | 15795.6 | 14784.8 | 13754.3 | 12864.9 | 12195.4 | 11516.0 | 10892.5 | 10524.9 | 10410.1 | 10262.4 |
| 7.5° | 14896.4 | 14194.0 | 12894.4 | 11713.0 | 10692.3 | 9694.6 | 8926.7 | 8381.9 | 8017.6 | 7804.3 | 7548.3 |
| 10° | 13813.3 | 12999.4 | 11417.6 | 9970.3 | 9130.1 | 8509.9 | 7833.8 | 7249.6 | 6800.0 | 6416.0 | 6206.0 |
| 12.5° | 13084.8 | 12165.9 | 10387.1 | 9212.2 | 8562.4 | 7902.7 | 7111.8 | 6455.4 | 5792.5 | 5356.0 | 5168.9 |
| 15° | 12864.9 | 11893.5 | 10068.7 | 8834.8 | 7902.7 | 7039.6 | 6153.5 | 5296.9 | 4640.5 | 4227.0 | 4089.2 |
| 17.5° | 13403.1 | 12228.2 | 10065.5 | 8332.6 | 7128.2 | 6097.7 | 4962.2 | 4158.1 | 3485.3 | 3176.8 | 3078.4 |
| 20° | 14407.4 | 12871.5 | 10095.0 | 7837.1 | 6288.0 | 4837.5 | 3610.0 | 2950.4 | 2628.8 | 2497.5 | 2448.3 |
| 22.5° | 15808.7 | 13852.7 | 10183.6 | 7348.1 | 5369.1 | 3715.1 | 2704.3 | 2369.5 | 2254.6 | 2231.7 | 2221.8 |
| 25° | 17535.0 | 15067.0 | 10482.3 | 6908.3 | 4594.6 | 2835.5 | 2261.2 | 2110.2 | 2044.6 | 2021.6 | 2018.3 |
| 27.5° | 19123.4 | 16635.7 | 10843.3 | 6530.9 | 3846.3 | 2445.0 | 2044.6 | 1916.6 | 1851.0 | 1847.7 | 1854.3 |
| 30° | 20557.6 | 17948.5 | 11145.2 | 6107.5 | 3278.6 | 2172.6 | 1903.5 | 1775.5 | 1713.1 | 1709.8 | 1729.5 |
| 32.5° | 21798.1 | 19028.2 | 11368.4 | 5690.7 | 2963.5 | 2005.2 | 1775.5 | 1637.6 | 1585.1 | 1575.3 | 1585.1 |
| 35° | 23124.0 | 20104.7 | 11266.6 | 5365.8 | 2783.0 | 1867.4 | 1680.3 | 1545.8 | 1483.4 | 1453.9 | 1453.9 |
| 37.5° | 24636.9 | 21213.9 | 11092.7 | 5096.7 | 2701.0 | 1752.5 | 1598.3 | 1467.0 | 1404.6 | 1375.1 | 1371.8 |
| 40° | 26287.7 | 22323.2 | 10853.1 | 4857.2 | 2618.9 | 1683.6 | 1542.5 | 1404.6 | 1329.2 | 1299.6 | 1293.1 |
| 42.5° | 27744.8 | 23271.7 | 10656.2 | 4699.6 | 2484.4 | 1696.7 | 1493.2 | 1358.7 | 1263.5 | 1224.1 | 1220.9 |
| 45° | 29011.6 | 24226.7 | 10620.1 | 4607.7 | 2372.8 | 1677.0 | 1480.1 | 1322.6 | 1211.0 | 1168.3 | 1161.8 |
| 47.5° | 30002.8 | 25221.1 | 10826.9 | 4555.2 | 2251.4 | 1572.0 | 1565.4 | 1299.6 | 1165.1 | 1119.1 | 1112.6 |
| 50° | 31210.5 | 26632.3 | 11299.4 | 4446.9 | 2139.8 | 1473.6 | 1654.1 | 1296.3 | 1129.0 | 1069.9 | 1053.5 |
| 52.5° | 32818.6 | 28470.1 | 11939.4 | 4253.3 | 1979.0 | 1381.7 | 1578.6 | 1296.3 | 1086.3 | 1027.2 | 1007.5 |
| 55° | 35250.5 | 30813.4 | 12566.2 | 3980.9 | 1752.5 | 1260.2 | 1424.3 | 1257.0 | 1023.9 | 971.4 | 958.3 |
| 57.5° | 36861.8 | 32526.5 | 12966.6 | 3603.5 | 1470.3 | 1171.6 | 1227.4 | 1194.6 | 961.6 | 905.8 | 905.8 |
| 60° | 36943.9 | 32986.0 | 12776.3 | 3127.6 | 1293.1 | 1089.6 | 1066.6 | 1204.4 | 905.8 | 846.7 | 840.2 |
| 62.5° | 35998.7 | 31860.3 | 11785.2 | 2701.0 | 1197.9 | 1001.0 | 964.9 | 1056.8 | 850.0 | 790.9 | 781.1 |
| 65° | 34521.9 | 28988.7 | 10065.5 | 2497.5 | 1145.4 | 922.2 | 869.7 | 866.4 | 790.9 | 735.1 | 722.0 |
| 67.5° | 31807.8 | 25332.7 | 8270.3 | 2379.3 | 1119.1 | 833.6 | 784.4 | 768.0 | 722.0 | 676.1 | 669.5 |
| 70° | 27807.2 | 21217.2 | 6632.6 | 2330.1 | 1106.0 | 741.7 | 702.3 | 682.6 | 643.2 | 607.1 | 603.9 |
| 72.5° | 21634.0 | 17210.1 | 5474.1 | 2297.3 | 1099.4 | 656.4 | 613.7 | 587.5 | 564.5 | 531.7 | 531.7 |
| 75° | 15539.6 | 12661.4 | 4177.8 | 2070.9 | 1017.4 | 564.5 | 518.5 | 502.1 | 469.3 | 443.1 | 449.6 |
| 77.5° | 9796.3 | 8526.3 | 2750.2 | 1522.8 | 787.6 | 452.9 | 413.5 | 403.7 | 377.4 | 341.3 | 364.3 |
| 80° | 6616.2 | 5996.0 | 1604.8 | 958.3 | 495.6 | 331.5 | 318.3 | 315.1 | 285.5 | 246.1 | 249.4 |
| 82.5° | 4502.7 | 4417.4 | 833.6 | 544.8 | 285.5 | 193.6 | 187.1 | 193.6 | 160.8 | 131.3 | 131.3 |
| 85° | 1759.1 | 2402.3 | 393.8 | 213.3 | 91.9 | 29.5 | 42.7 | 45.9 | 26.3 | 13.1 | 16.4 |
| 87.5° | 32.8 | 246.1 | 9.8 | 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):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 | 15989.2 |
| 2.5° | 13330.9 | 13301.4 | 13350.6 | 13140.6 | 13183.2 | 13262.0 | 13301.4 | 13324.3 | 13649.3 | 13573.8 | 13780.5 |
| 5° | 10400.2 | 10370.7 | 10561.0 | 10587.3 | 10685.7 | 10666.0 | 10761.2 | 10784.2 | 10902.3 | 10945.0 | 11233.8 |
| 7.5° | 7564.7 | 7692.7 | 7909.3 | 8020.9 | 8188.2 | 8240.7 | 8191.5 | 8312.9 | 8066.8 | 8244.0 | 8296.5 |
| 10° | 6078.0 | 5923.8 | 5831.9 | 6087.8 | 6120.7 | 6363.5 | 6265.1 | 6186.3 | 6330.7 | 6337.3 | 6475.1 |
| 12.5° | 5060.6 | 4729.2 | 4509.3 | 4581.5 | 4660.2 | 4765.3 | 4781.7 | 4939.2 | 5044.2 | 5142.7 | 5224.7 |
| 15° | 3967.8 | 3852.9 | 3652.7 | 3554.3 | 3665.8 | 3708.5 | 3810.2 | 3941.5 | 4053.1 | 4082.6 | 4194.2 |
| 17.5° | 3045.6 | 3065.3 | 3032.4 | 2973.4 | 3042.3 | 3075.1 | 3081.7 | 3084.9 | 3114.5 | 3094.8 | 3258.9 |
| 20° | 2451.5 | 2520.5 | 2602.5 | 2615.6 | 2638.6 | 2655.0 | 2625.5 | 2513.9 | 2517.2 | 2586.1 | 2638.6 |
| 22.5° | 2218.5 | 2231.7 | 2323.6 | 2353.1 | 2425.3 | 2395.8 | 2310.4 | 2257.9 | 2251.4 | 2267.8 | 2294.0 |
| 25° | 2034.8 | 2054.4 | 2120.1 | 2166.0 | 2221.8 | 2169.3 | 2107.0 | 2057.7 | 2051.2 | 2067.6 | 2093.8 |
| 27.5° | 1870.7 | 1900.2 | 1959.3 | 2005.2 | 2057.7 | 2008.5 | 1949.4 | 1906.8 | 1903.5 | 1900.2 | 1916.6 |
| 30° | 1739.4 | 1772.2 | 1814.9 | 1867.4 | 1903.5 | 1860.8 | 1805.0 | 1782.0 | 1778.8 | 1772.2 | 1778.8 |
| 32.5° | 1608.1 | 1660.6 | 1703.3 | 1729.5 | 1765.6 | 1732.8 | 1690.2 | 1677.0 | 1654.1 | 1634.4 | 1624.5 |
| 35° | 1460.4 | 1516.2 | 1581.9 | 1614.7 | 1650.8 | 1618.0 | 1588.4 | 1532.6 | 1493.2 | 1490.0 | 1496.5 |
| 37.5° | 1375.1 | 1398.1 | 1450.6 | 1506.4 | 1542.5 | 1526.1 | 1470.3 | 1414.5 | 1404.6 | 1404.6 | 1411.2 |
| 40° | 1299.6 | 1309.5 | 1332.4 | 1404.6 | 1470.3 | 1421.0 | 1352.1 | 1335.7 | 1335.7 | 1332.4 | 1335.7 |
| 42.5° | 1224.1 | 1234.0 | 1234.0 | 1289.8 | 1394.8 | 1316.0 | 1263.5 | 1263.5 | 1263.5 | 1266.8 | 1276.6 |
| 45° | 1155.2 | 1158.5 | 1155.2 | 1194.6 | 1293.1 | 1227.4 | 1191.3 | 1201.2 | 1207.7 | 1214.3 | 1220.9 |
| 47.5° | 1096.1 | 1099.4 | 1096.1 | 1129.0 | 1178.2 | 1151.9 | 1132.2 | 1145.4 | 1158.5 | 1168.3 | 1174.9 |
| 50° | 1043.6 | 1040.3 | 1046.9 | 1066.6 | 1089.6 | 1096.1 | 1083.0 | 1102.7 | 1109.3 | 1122.4 | 1138.8 |
| 52.5° | 997.7 | 994.4 | 1001.0 | 1010.8 | 1043.6 | 1043.6 | 1043.6 | 1060.0 | 1073.2 | 1086.3 | 1109.3 |
| 55° | 945.2 | 948.5 | 958.3 | 971.4 | 1014.1 | 1007.5 | 1010.8 | 1023.9 | 1037.1 | 1056.8 | 1069.9 |
| 57.5° | 895.9 | 902.5 | 915.6 | 935.3 | 978.0 | 974.7 | 978.0 | 984.6 | 1001.0 | 1010.8 | 1023.9 |
| 60° | 840.2 | 853.3 | 869.7 | 882.8 | 925.5 | 922.2 | 938.6 | 951.7 | 961.6 | 961.6 | 968.1 |
| 62.5° | 784.4 | 804.1 | 820.5 | 830.3 | 876.3 | 879.5 | 902.5 | 912.4 | 918.9 | 912.4 | 922.2 |
| 65° | 728.6 | 758.1 | 764.7 | 777.8 | 823.7 | 827.0 | 853.3 | 876.3 | 869.7 | 863.1 | 879.5 |
| 67.5° | 672.8 | 708.9 | 705.6 | 722.0 | 768.0 | 774.5 | 797.5 | 836.9 | 823.7 | 817.2 | 830.3 |
| 70° | 610.4 | 636.7 | 640.0 | 649.8 | 712.2 | 702.3 | 738.4 | 774.5 | 764.7 | 768.0 | 768.0 |
| 72.5° | 541.5 | 564.5 | 564.5 | 584.2 | 649.8 | 633.4 | 662.9 | 702.3 | 702.3 | 699.0 | 699.0 |
| 75° | 459.5 | 472.6 | 485.7 | 515.3 | 584.2 | 564.5 | 584.2 | 620.3 | 626.8 | 620.3 | 620.3 |
| 77.5° | 370.9 | 390.5 | 397.1 | 436.5 | 485.7 | 482.4 | 502.1 | 518.5 | 531.7 | 525.1 | 525.1 |
| 80° | 262.5 | 282.2 | 308.5 | 351.2 | 380.7 | 390.5 | 400.4 | 413.5 | 420.1 | 420.1 | 426.6 |
| 82.5° | 147.7 | 177.2 | 200.2 | 242.9 | 256.0 | 305.2 | 301.9 | 311.8 | 301.9 | 265.8 | 295.4 |
| 85° | 32.8 | 62.4 | 88.6 | 111.6 | 128.0 | 177.2 | 187.1 | 210.0 | 173.9 | 160.8 | 160.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.3 | 52.5 | 72.2 | 62.4 | 52.5 | 52.5 |
| 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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| 55° | 1135.5 | 1329.2 | 1509.7 | 1394.8 | 2113.5 | 4302.5 | 13974.2 | 31545.2 | 33898.3 | 33918.0 |
| 57.5° | 1089.6 | 1293.1 | 1401.4 | 1296.3 | 1919.9 | 4302.5 | 15096.6 | 33589.8 | 35936.4 | 35952.8 |
| 60° | 1043.6 | 1345.6 | 1230.7 | 1211.0 | 1667.2 | 4223.8 | 16281.3 | 34489.1 | 36576.3 | 36743.7 |
| 62.5° | 997.7 | 1355.4 | 1099.4 | 1135.5 | 1483.4 | 4033.4 | 17164.1 | 33494.7 | 35709.9 | 35949.5 |
| 65° | 945.2 | 1092.9 | 1014.1 | 1056.8 | 1388.2 | 3715.1 | 16885.2 | 31673.2 | 34082.1 | 34367.6 |
| 67.5° | 882.8 | 925.5 | 922.2 | 974.7 | 1355.4 | 3245.8 | 15414.9 | 29369.4 | 32329.6 | 32313.2 |
| 70° | 807.3 | 830.3 | 840.2 | 895.9 | 1293.1 | 2881.5 | 12845.2 | 26379.6 | 29989.6 | 30357.2 |
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| 87.5° | 88.6 | 72.2 | 82.0 | 95.2 | 164.1 | 193.6 | 308.5 | 623.6 | 239.6 | 219.9 |
| 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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