

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: P654595

Luminaire Tested: **GLAN-SA9B-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P654595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9B-840-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32309.5 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

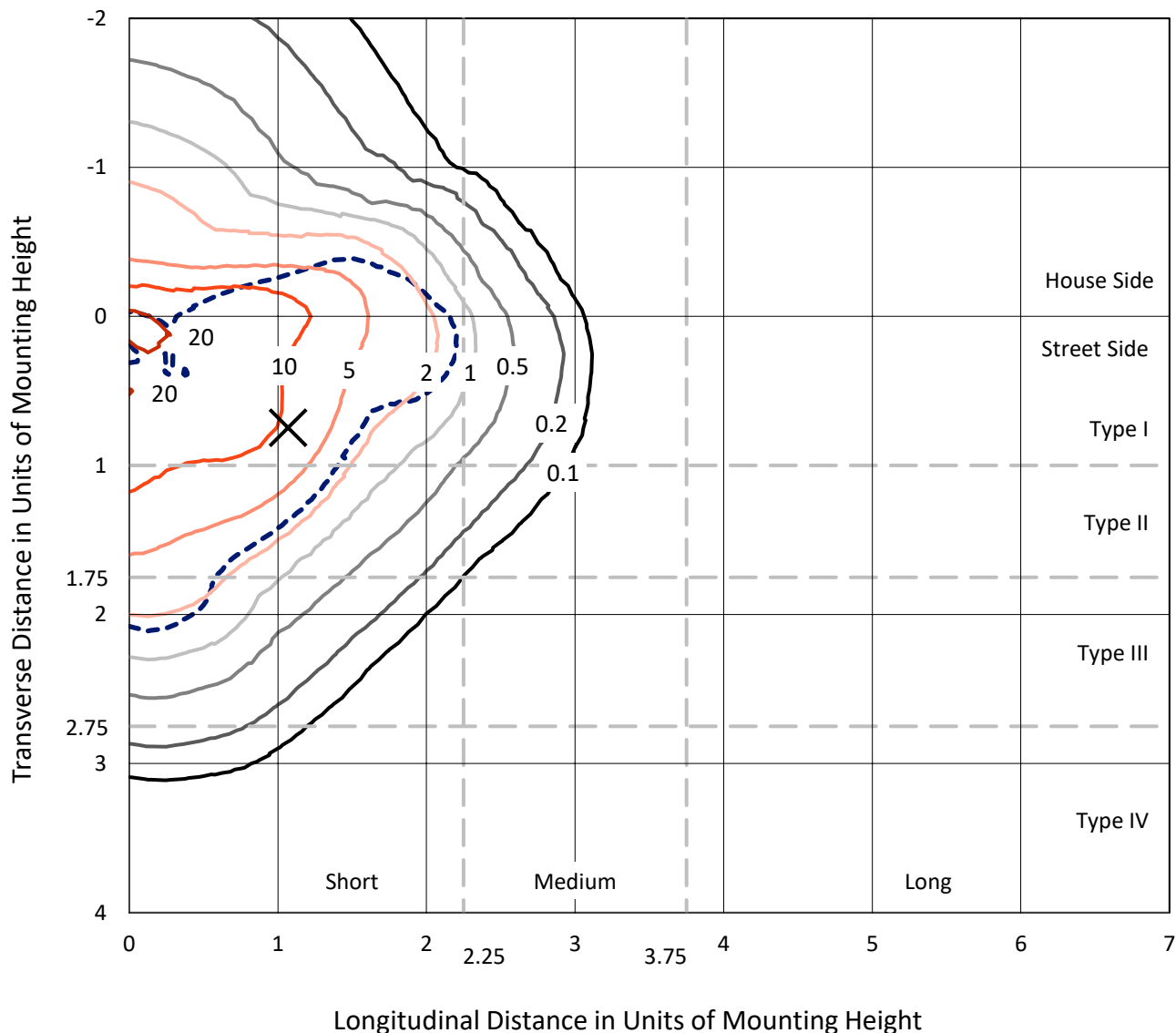
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P654595
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Iso-Footcandle Lines of Horizontal Illumination

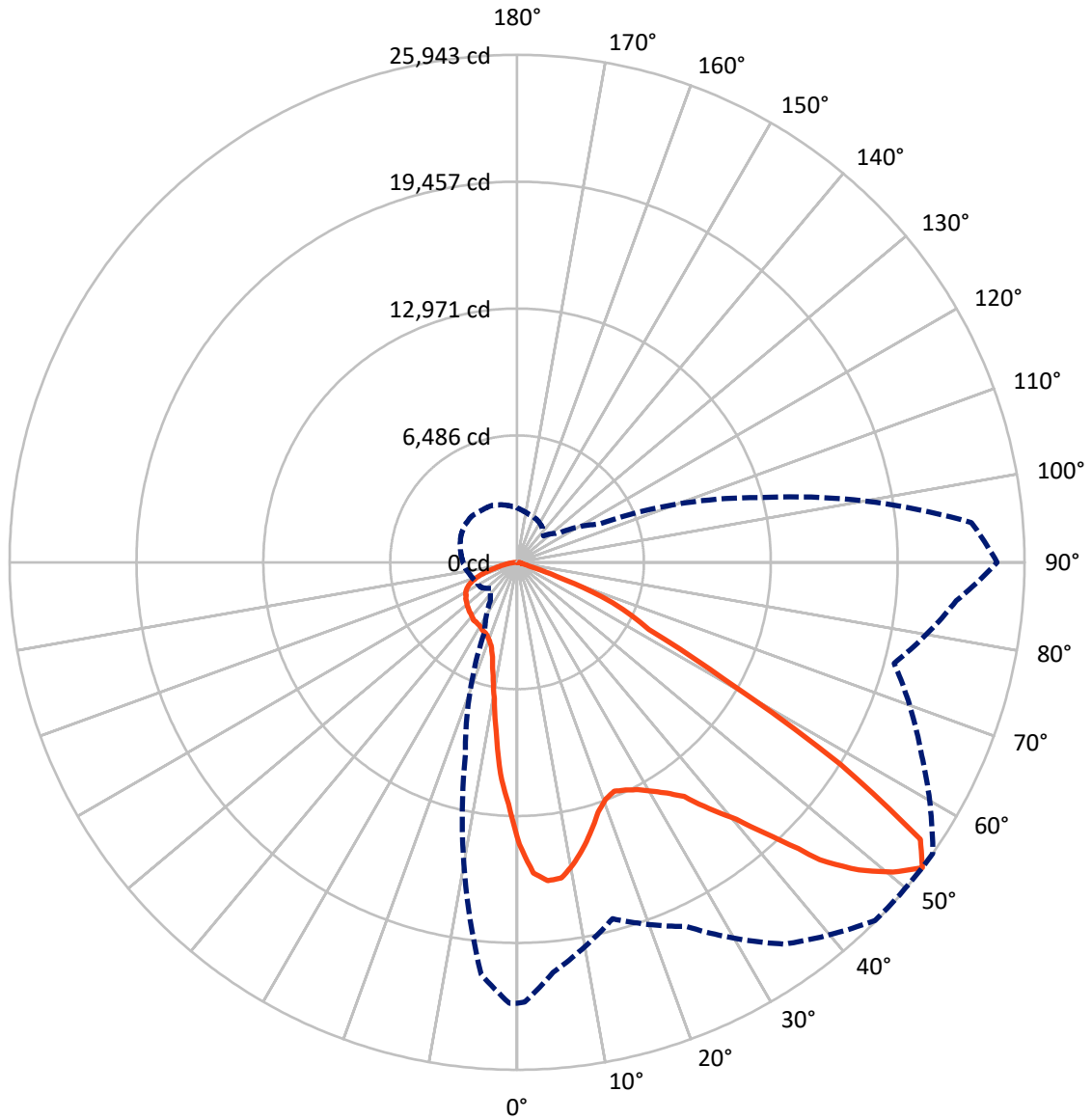
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9856.2 | 0.0 | 9856.2 |
| | % Fixture | 30.5 | 0.0 | 30.5 |
| Street Side | Lumens | 22453.4 | 0.0 | 22453.4 |
| | % Fixture | 69.5 | 0.0 | 69.5 |
| Total | Lumens | 32309.5 | 0.0 | 32309.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 1101.1 | 3.4 |
| 10°-20° | 2374.1 | 7.3 |
| 20°-30° | 3599.9 | 11.1 |
| 30°-40° | 5201.3 | 16.1 |
| 40°-50° | 6950.4 | 21.5 |
| 50°-60° | 7758.1 | 24.0 |
| 60°-70° | 4255.7 | 13.2 |
| 70°-80° | 920.1 | 2.8 |
| 80°-90° | 148.8 | 0.5 |
| 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° | 32309.5 | 100.0 |
| 0°-180° | 32309.5 | 100.0 |

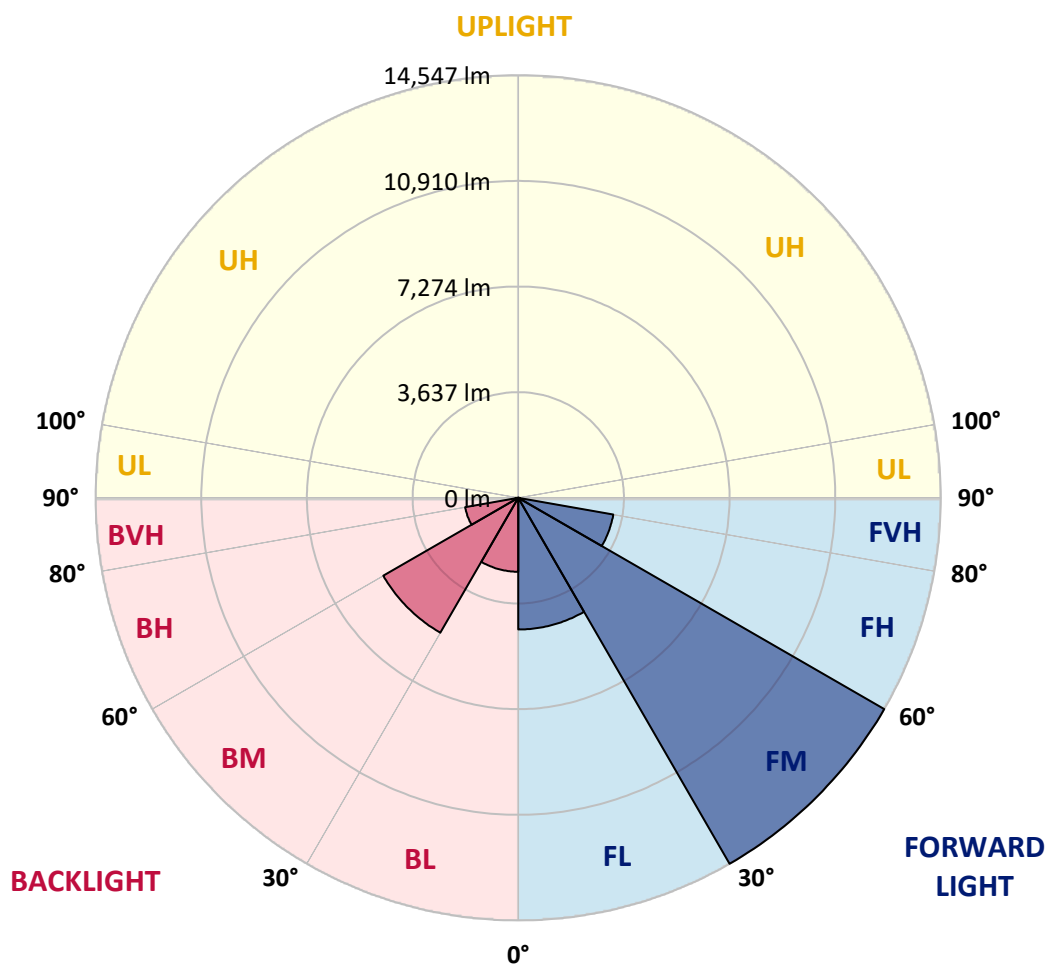


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 4530.4 | 14.0 | | | |
| FM (30°-60°) | 14547.3 | 45.0 | | | |
| FH (60°-80°) | 3320.6 | 10.3 | | | G2/5000 |
| FVH (80°-90°) | 55.1 | 0.2 | | | G1/100 |
| BL (0°-30°) | 2544.7 | 7.9 | B4/5000 | | |
| BM (30°-60°) | 5362.5 | 16.6 | B4/8500 | | |
| BH (60°-80°) | 1855.2 | 5.7 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 93.7 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G3
 Type II Short





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CATALOG NUMBER: GLAN-SA9B-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 |
| 2.5° | 15125.0 | 15040.0 | 15115.5 | 15474.1 | 15681.6 | 15823.2 | 15912.8 | 15898.6 | 15558.9 | 15228.7 | 15228.7 |
| 5° | 14681.4 | 14572.9 | 14728.6 | 15540.1 | 16356.3 | 16427.0 | 16544.9 | 16351.6 | 15851.4 | 15247.6 | 14492.8 |
| 7.5° | 13398.2 | 13478.5 | 13737.9 | 14804.1 | 15865.6 | 16398.7 | 16540.2 | 16294.9 | 15483.5 | 14356.0 | 13247.3 |
| 10° | 12289.6 | 12478.3 | 13077.5 | 14228.5 | 15205.1 | 15898.6 | 16054.3 | 15709.9 | 15068.3 | 13686.0 | 12695.3 |
| 12.5° | 11907.5 | 11789.5 | 12454.7 | 13605.9 | 14540.0 | 14912.6 | 14983.4 | 15007.0 | 14572.9 | 13346.3 | 12138.7 |
| 15° | 11860.3 | 11935.7 | 12454.7 | 13327.5 | 13903.1 | 13921.9 | 14039.8 | 14223.8 | 14280.4 | 13577.5 | 12398.1 |
| 17.5° | 12539.6 | 12450.0 | 12983.1 | 13676.6 | 13402.9 | 13129.4 | 13157.6 | 13421.9 | 13888.9 | 13775.7 | 13214.3 |
| 20° | 13544.5 | 13747.3 | 14167.2 | 14096.5 | 13360.5 | 12667.0 | 12671.7 | 12921.8 | 13841.7 | 14596.6 | 14351.2 |
| 22.5° | 15214.5 | 15412.7 | 15724.1 | 14870.1 | 13360.5 | 12530.2 | 12369.8 | 12709.4 | 14143.7 | 15573.1 | 15634.4 |
| 25° | 16738.3 | 17101.7 | 17186.6 | 16181.7 | 14030.4 | 12657.6 | 12553.8 | 12888.7 | 14445.6 | 16526.1 | 17106.4 |
| 27.5° | 18125.4 | 18257.4 | 18630.2 | 17026.1 | 14403.1 | 12742.5 | 12733.1 | 13162.3 | 14827.7 | 17002.6 | 18422.6 |
| 30° | 19219.9 | 19205.7 | 19418.0 | 17559.2 | 14997.6 | 13219.0 | 12761.3 | 13572.8 | 15327.8 | 17790.4 | 19639.8 |
| 32.5° | 19965.3 | 20125.7 | 20573.9 | 18299.9 | 15247.6 | 13671.9 | 13313.4 | 14054.0 | 15936.4 | 18163.2 | 20498.4 |
| 35° | 21276.8 | 21555.2 | 20989.0 | 18710.4 | 16040.1 | 14120.1 | 13700.1 | 14709.8 | 16238.3 | 18568.9 | 21550.5 |
| 37.5° | 22512.8 | 22300.5 | 21725.0 | 18932.1 | 16554.4 | 14950.4 | 14558.8 | 15978.8 | 17177.1 | 19451.1 | 22248.7 |
| 40° | 23305.4 | 23300.7 | 22276.9 | 19111.4 | 16917.6 | 16219.4 | 16195.8 | 17266.7 | 18328.2 | 20007.7 | 23031.8 |
| 42.5° | 23649.8 | 23980.0 | 22503.4 | 19092.5 | 17681.9 | 17757.4 | 18233.9 | 19191.5 | 19144.4 | 20120.9 | 23012.9 |
| 44° | 24121.6 | 24319.7 | 22895.0 | 19134.9 | 18191.4 | 18795.3 | 19918.1 | 20526.7 | 19856.8 | 20059.6 | 22989.3 |
| 45° | 24102.7 | 24116.9 | 22338.3 | 19191.5 | 18625.5 | 19663.3 | 20668.2 | 21696.7 | 20484.2 | 19927.5 | 23300.7 |
| 47.5° | 23550.7 | 23390.3 | 21866.5 | 18771.7 | 19979.5 | 21956.2 | 22885.5 | 23508.3 | 21258.0 | 19644.5 | 22913.8 |
| 50° | 22460.9 | 22276.9 | 20720.1 | 18592.4 | 20262.5 | 23380.9 | 24664.1 | 24890.6 | 21960.9 | 19366.1 | 22531.7 |
| 52.5° | 22536.4 | 22484.6 | 21045.6 | 18861.4 | 20545.5 | 23829.1 | 25886.0 | 25942.6 | 22758.1 | 19951.1 | 22536.4 |
| 55° | 23885.7 | 23706.4 | 21979.7 | 19196.3 | 20338.0 | 23305.4 | 25107.6 | 25008.5 | 22489.3 | 19597.3 | 22951.6 |
| 57.5° | 21857.1 | 21975.0 | 20687.1 | 17870.7 | 17799.8 | 18946.2 | 19738.9 | 19493.5 | 18767.0 | 17686.7 | 21352.3 |
| 60° | 17634.8 | 17969.7 | 18092.3 | 14945.7 | 13431.3 | 12841.6 | 12605.7 | 12171.6 | 12294.3 | 14530.5 | 18757.6 |
| 62.5° | 15125.0 | 15106.0 | 15875.1 | 13549.2 | 8798.5 | 7567.1 | 7454.0 | 7553.0 | 8968.3 | 14304.1 | 18370.7 |
| 65° | 11992.4 | 12313.2 | 12549.1 | 11482.8 | 6963.3 | 5618.8 | 5614.1 | 6241.5 | 7760.6 | 11954.6 | 14832.5 |
| 67.5° | 7614.3 | 8034.2 | 8326.7 | 7345.5 | 4656.4 | 4000.6 | 3892.1 | 4646.9 | 5378.2 | 7840.8 | 8930.6 |
| 70° | 4293.1 | 4491.3 | 4623.3 | 4236.5 | 2962.7 | 2075.8 | 1953.1 | 2132.4 | 3250.5 | 5076.3 | 5293.3 |
| 72.5° | 1655.9 | 1745.6 | 1924.8 | 1939.0 | 1118.1 | 669.9 | 542.5 | 651.0 | 1368.1 | 2009.7 | 1915.4 |
| 75° | 254.7 | 273.7 | 386.9 | 462.3 | 320.8 | 245.3 | 259.4 | 268.9 | 382.2 | 519.0 | 434.0 |
| 77.5° | 122.7 | 122.7 | 117.9 | 136.8 | 160.4 | 174.6 | 188.7 | 207.6 | 226.5 | 250.0 | 240.6 |
| 80° | 80.2 | 80.2 | 80.2 | 94.4 | 117.9 | 141.5 | 160.4 | 169.8 | 179.3 | 198.1 | 188.7 |
| 82.5° | 51.9 | 51.9 | 51.9 | 70.7 | 94.4 | 117.9 | 127.4 | 151.0 | 169.8 | 198.1 | 184.0 |
| 85° | 28.3 | 28.3 | 28.3 | 47.2 | 70.7 | 99.1 | 94.4 | 75.5 | 42.5 | 4.7 | 9.4 |
| 87.5° | 9.4 | 9.4 | 9.4 | 9.4 | 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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CATALOG NUMBER: GLAN-SA9B-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 |
| 2.5° | 14832.5 | 14615.4 | 14596.6 | 14153.1 | 13756.8 | 13563.4 | 13407.6 | 12973.7 | 13068.0 | 12817.9 | 12813.2 |
| 5° | 14115.3 | 13671.9 | 12954.8 | 12365.1 | 11775.3 | 11657.4 | 11143.2 | 10695.0 | 10709.1 | 10388.4 | 10445.0 |
| 7.5° | 12827.4 | 12520.7 | 11648.0 | 10723.3 | 9940.2 | 9383.5 | 8897.5 | 8605.1 | 8232.4 | 8105.0 | 8039.0 |
| 10° | 12011.2 | 11633.8 | 10652.5 | 9492.0 | 8614.5 | 8317.3 | 7850.2 | 7590.8 | 7208.6 | 7019.9 | 6887.9 |
| 12.5° | 11652.7 | 11100.7 | 9874.1 | 8694.7 | 8109.7 | 7803.1 | 7406.8 | 6935.0 | 6482.1 | 6307.6 | 6067.0 |
| 15° | 11690.4 | 11030.0 | 9647.7 | 8373.9 | 7670.9 | 7076.5 | 6722.7 | 6199.0 | 5736.7 | 5430.1 | 5255.5 |
| 17.5° | 12261.3 | 11459.3 | 9751.5 | 8128.6 | 7119.0 | 6373.6 | 5680.1 | 5114.0 | 4746.0 | 4514.8 | 4458.2 |
| 20° | 13610.6 | 12520.7 | 9926.0 | 7732.3 | 6567.0 | 5637.6 | 4783.8 | 4194.1 | 3911.0 | 3906.3 | 3911.0 |
| 22.5° | 14733.4 | 13653.0 | 10279.9 | 7496.4 | 6015.1 | 4694.1 | 3844.9 | 3656.2 | 3599.6 | 3717.6 | 3731.7 |
| 25° | 16247.7 | 14926.7 | 10888.4 | 7373.7 | 5505.5 | 4000.6 | 3476.9 | 3406.1 | 3401.4 | 3552.4 | 3557.2 |
| 27.5° | 17799.8 | 16040.1 | 11251.7 | 7015.2 | 4986.6 | 3642.0 | 3255.2 | 3241.0 | 3316.6 | 3476.9 | 3462.8 |
| 30° | 18856.6 | 16974.2 | 11907.5 | 6585.9 | 4373.3 | 3326.0 | 3165.6 | 3184.4 | 3288.2 | 3410.9 | 3429.8 |
| 32.5° | 20088.0 | 17894.2 | 12077.3 | 6350.1 | 3995.9 | 3061.7 | 2948.5 | 2991.0 | 3123.1 | 3316.6 | 3420.3 |
| 35° | 21498.6 | 18545.2 | 12336.8 | 6029.2 | 3854.4 | 2858.9 | 2802.3 | 2849.5 | 3009.9 | 3137.3 | 3250.5 |
| 37.5° | 22541.2 | 19696.4 | 12384.0 | 5779.2 | 3698.6 | 2745.7 | 2656.0 | 2811.7 | 2906.1 | 3085.4 | 3142.0 |
| 40° | 23314.9 | 20531.4 | 12506.6 | 5623.5 | 3576.0 | 2599.4 | 2599.4 | 2703.2 | 2830.6 | 2995.7 | 3108.9 |
| 42.5° | 23810.2 | 21140.0 | 12596.2 | 5482.0 | 3340.1 | 2557.0 | 2533.4 | 2637.2 | 2807.0 | 2967.5 | 3019.4 |
| 44° | 24112.1 | 21399.5 | 12506.6 | 5349.9 | 3274.1 | 2505.1 | 2505.1 | 2594.7 | 2726.9 | 2915.5 | 2976.9 |
| 45° | 24187.6 | 21725.0 | 12308.5 | 5345.1 | 3193.9 | 2443.8 | 2434.4 | 2604.2 | 2693.8 | 2925.0 | 2962.7 |
| 47.5° | 24480.1 | 22126.0 | 12332.1 | 5194.2 | 3000.4 | 2297.5 | 2462.6 | 2538.1 | 2618.3 | 2821.2 | 2948.5 |
| 50° | 24470.7 | 22376.0 | 12280.1 | 4972.4 | 2858.9 | 2132.4 | 2406.0 | 2491.0 | 2571.1 | 2778.7 | 2830.6 |
| 52.5° | 24536.8 | 23310.1 | 12756.6 | 4618.6 | 2604.2 | 1920.1 | 2217.3 | 2406.0 | 2505.1 | 2679.7 | 2788.2 |
| 55° | 24503.7 | 23843.2 | 13228.4 | 4354.4 | 2245.6 | 1792.8 | 2056.9 | 2278.6 | 2420.1 | 2604.2 | 2656.0 |
| 57.5° | 22380.8 | 21073.9 | 12242.4 | 3859.1 | 1858.8 | 1641.7 | 1830.4 | 2146.6 | 2325.8 | 2514.5 | 2580.6 |
| 60° | 18285.8 | 16243.0 | 10095.9 | 2840.1 | 1528.5 | 1509.7 | 1703.1 | 2104.1 | 2179.5 | 2344.7 | 2457.9 |
| 62.5° | 16898.8 | 14247.5 | 8005.9 | 2170.1 | 1306.8 | 1382.3 | 1571.0 | 1901.2 | 2019.2 | 2222.0 | 2325.8 |
| 65° | 13223.7 | 9463.7 | 4958.3 | 1467.2 | 1151.1 | 1240.7 | 1420.0 | 1665.3 | 1858.8 | 2047.5 | 2170.1 |
| 67.5° | 7831.4 | 5170.6 | 2453.2 | 1028.5 | 1004.8 | 1099.2 | 1283.2 | 1467.2 | 1688.9 | 1896.5 | 1957.8 |
| 70° | 4264.8 | 2542.8 | 1047.3 | 783.1 | 853.9 | 938.8 | 1118.1 | 1245.4 | 1457.8 | 1618.2 | 1721.9 |
| 72.5° | 1368.1 | 773.7 | 523.7 | 580.3 | 651.0 | 750.1 | 858.7 | 1014.3 | 1165.3 | 1259.6 | 1344.5 |
| 75° | 330.3 | 325.6 | 372.7 | 405.7 | 471.8 | 547.2 | 636.9 | 717.1 | 835.0 | 924.7 | 1000.1 |
| 77.5° | 231.2 | 250.0 | 287.8 | 335.0 | 358.5 | 386.9 | 443.5 | 504.8 | 556.7 | 622.8 | 669.9 |
| 80° | 179.3 | 193.4 | 221.8 | 245.3 | 268.9 | 292.5 | 320.8 | 344.4 | 377.4 | 419.9 | 443.5 |
| 82.5° | 169.8 | 179.3 | 207.6 | 221.8 | 212.3 | 207.6 | 226.5 | 235.9 | 240.6 | 254.7 | 268.9 |
| 85° | 14.1 | 0.0 | 9.4 | 33.1 | 80.2 | 117.9 | 127.4 | 127.4 | 122.7 | 132.1 | 132.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 18.8 | 14.1 |
| 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-SA9B-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 | 14412.6 |
| 2.5° | 12756.6 | 12596.2 | 12657.6 | 12733.1 | 12624.6 | 12374.5 | 12440.6 | 12412.2 | 12667.0 | 12648.1 | 12902.9 |
| 5° | 10695.0 | 10445.0 | 10473.3 | 10841.2 | 10723.3 | 10850.7 | 10595.9 | 10562.9 | 10610.1 | 10633.7 | 10676.2 |
| 7.5° | 8185.2 | 8152.1 | 8435.2 | 8746.6 | 8892.8 | 8741.9 | 8491.8 | 8435.2 | 8383.3 | 8279.6 | 8515.5 |
| 10° | 6680.2 | 6689.7 | 6670.8 | 6906.7 | 7071.8 | 7038.8 | 6887.9 | 6869.0 | 6769.9 | 6732.1 | 6864.2 |
| 12.5° | 5963.2 | 5835.8 | 5774.5 | 5699.0 | 5826.4 | 5911.3 | 5845.2 | 5798.0 | 5802.7 | 5849.9 | 5868.8 |
| 15° | 5269.6 | 5189.5 | 5057.4 | 4972.4 | 5033.8 | 4991.3 | 4967.7 | 5062.1 | 5038.5 | 5029.1 | 5142.3 |
| 17.5° | 4491.3 | 4557.3 | 4547.9 | 4453.5 | 4533.7 | 4500.7 | 4496.0 | 4429.9 | 4340.3 | 4274.2 | 4312.0 |
| 20° | 3977.0 | 4099.7 | 4194.1 | 4198.8 | 4241.2 | 4236.5 | 4165.7 | 3962.9 | 3896.8 | 3882.6 | 3892.1 |
| 22.5° | 3793.0 | 3859.1 | 3972.3 | 4132.7 | 4132.7 | 4057.2 | 3972.3 | 3736.4 | 3675.1 | 3609.1 | 3580.7 |
| 25° | 3646.7 | 3774.2 | 3920.4 | 3939.2 | 4014.8 | 3944.0 | 3807.2 | 3689.2 | 3561.9 | 3472.2 | 3472.2 |
| 27.5° | 3571.3 | 3712.8 | 3821.3 | 3854.4 | 3958.2 | 3901.6 | 3760.0 | 3609.1 | 3458.1 | 3453.3 | 3373.2 |
| 30° | 3538.3 | 3670.4 | 3741.1 | 3821.3 | 3868.5 | 3778.9 | 3736.4 | 3576.0 | 3425.1 | 3387.3 | 3255.2 |
| 32.5° | 3439.2 | 3627.9 | 3760.0 | 3741.1 | 3778.9 | 3741.1 | 3679.8 | 3547.7 | 3377.9 | 3292.9 | 3278.8 |
| 35° | 3326.0 | 3514.7 | 3656.2 | 3755.3 | 3778.9 | 3698.6 | 3661.0 | 3481.7 | 3250.5 | 3208.0 | 3061.7 |
| 37.5° | 3264.7 | 3377.9 | 3552.4 | 3712.8 | 3745.8 | 3703.4 | 3576.0 | 3392.0 | 3160.8 | 3113.7 | 2986.3 |
| 40° | 3189.2 | 3335.4 | 3472.2 | 3604.4 | 3703.4 | 3599.6 | 3453.3 | 3274.1 | 3170.3 | 3028.8 | 2991.0 |
| 42.5° | 3132.6 | 3297.6 | 3410.9 | 3557.2 | 3670.4 | 3533.5 | 3363.7 | 3241.0 | 3094.8 | 3000.4 | 2891.9 |
| 44° | 3113.7 | 3264.7 | 3340.1 | 3519.4 | 3613.8 | 3510.0 | 3368.5 | 3241.0 | 3071.2 | 2986.3 | 2891.9 |
| 45° | 3047.6 | 3255.2 | 3335.4 | 3495.8 | 3576.0 | 3491.1 | 3311.9 | 3184.4 | 3061.7 | 2958.0 | 2858.9 |
| 47.5° | 2981.6 | 3123.1 | 3259.9 | 3387.3 | 3443.9 | 3415.6 | 3264.7 | 3108.9 | 2962.7 | 2901.4 | 2807.0 |
| 50° | 2962.7 | 3104.2 | 3231.6 | 3349.5 | 3415.6 | 3359.0 | 3222.2 | 3071.2 | 2901.4 | 2802.3 | 2722.1 |
| 52.5° | 2868.4 | 3042.9 | 3184.4 | 3222.2 | 3307.1 | 3274.1 | 3170.3 | 3005.1 | 2844.8 | 2759.8 | 2693.8 |
| 55° | 2731.6 | 2915.5 | 3108.9 | 3156.1 | 3278.8 | 3226.9 | 3071.2 | 2915.5 | 2778.7 | 2651.3 | 2566.4 |
| 57.5° | 2679.7 | 2858.9 | 3047.6 | 3108.9 | 3184.4 | 3099.5 | 3061.7 | 2896.7 | 2679.7 | 2613.6 | 2481.5 |
| 60° | 2547.6 | 2774.0 | 2929.7 | 3071.2 | 3076.0 | 3052.3 | 2986.3 | 2797.6 | 2618.3 | 2495.7 | 2401.3 |
| 62.5° | 2443.8 | 2656.0 | 2778.7 | 2910.8 | 2991.0 | 2925.0 | 2858.9 | 2684.4 | 2491.0 | 2354.1 | 2245.6 |
| 65° | 2292.8 | 2486.2 | 2590.0 | 2670.2 | 2759.8 | 2750.4 | 2637.2 | 2509.8 | 2306.9 | 2198.5 | 2094.7 |
| 67.5° | 2061.6 | 2231.5 | 2373.0 | 2448.5 | 2505.1 | 2491.0 | 2406.0 | 2316.4 | 2108.8 | 2000.3 | 1924.8 |
| 70° | 1783.3 | 1957.8 | 2047.5 | 2090.0 | 2146.6 | 2174.8 | 2108.8 | 2066.3 | 1882.3 | 1740.9 | 1670.1 |
| 72.5° | 1434.2 | 1547.4 | 1679.5 | 1717.2 | 1740.9 | 1759.7 | 1759.7 | 1721.9 | 1533.2 | 1476.6 | 1354.0 |
| 75° | 1056.8 | 1146.4 | 1245.4 | 1245.4 | 1287.9 | 1292.6 | 1302.1 | 1278.5 | 1136.9 | 1061.5 | 1033.2 |
| 77.5° | 717.1 | 783.1 | 863.4 | 896.3 | 924.7 | 920.0 | 915.3 | 849.2 | 773.7 | 740.7 | 712.4 |
| 80° | 467.1 | 533.1 | 570.9 | 613.3 | 641.6 | 636.9 | 646.3 | 599.1 | 566.2 | 509.5 | 519.0 |
| 82.5° | 278.4 | 330.3 | 368.0 | 419.9 | 419.9 | 434.0 | 434.0 | 419.9 | 386.9 | 358.5 | 358.5 |
| 85° | 132.1 | 174.6 | 198.1 | 231.2 | 250.0 | 254.7 | 226.5 | 193.4 | 160.4 | 146.2 | 160.4 |
| 87.5° | 23.5 | 33.1 | 47.2 | 42.5 | 51.9 | 47.2 | 47.2 | 47.2 | 47.2 | 37.8 | 42.5 |
| 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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| 57.5° | 2311.7 | 2165.4 | 1868.2 | 1589.8 | 1811.6 | 3462.8 | 10614.8 | 20172.9 | 21828.7 | 21857.1 |
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| 82.5° | 396.3 | 368.0 | 306.6 | 235.9 | 179.3 | 132.1 | 89.7 | 61.3 | 51.9 | 51.9 |
| 85° | 151.0 | 151.0 | 221.8 | 193.4 | 136.8 | 94.4 | 61.3 | 33.1 | 28.3 | 28.3 |
| 87.5° | 37.8 | 37.8 | 37.8 | 37.8 | 33.1 | 28.3 | 28.3 | 14.1 | 9.4 | 9.4 |
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