

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: P454552

Luminaire Tested: **GLAN-SA5C-830-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5C-830-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20092 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

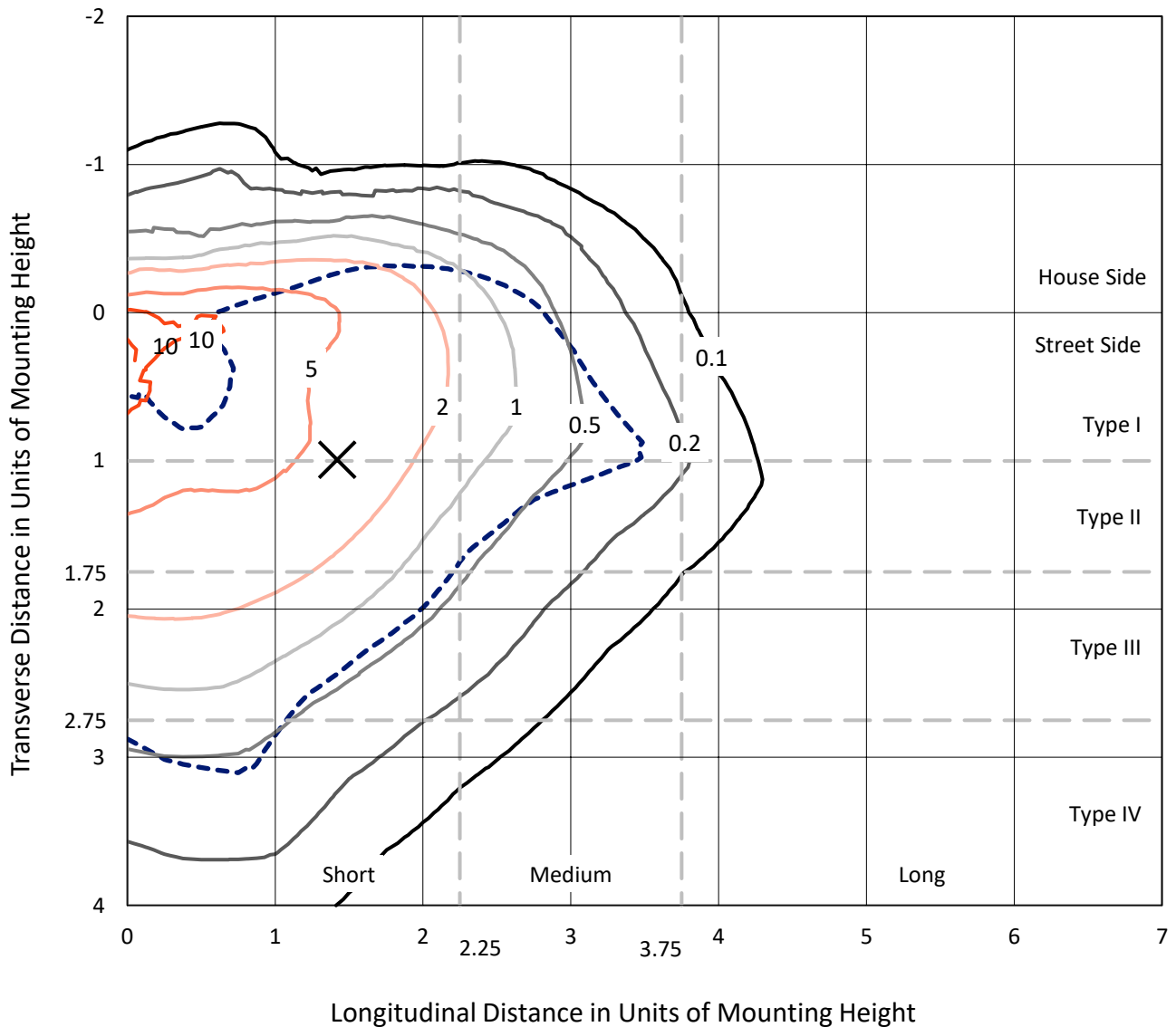
Input Watts (W): 269
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P454552
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Iso-Footcandle Lines of Horizontal Illumination

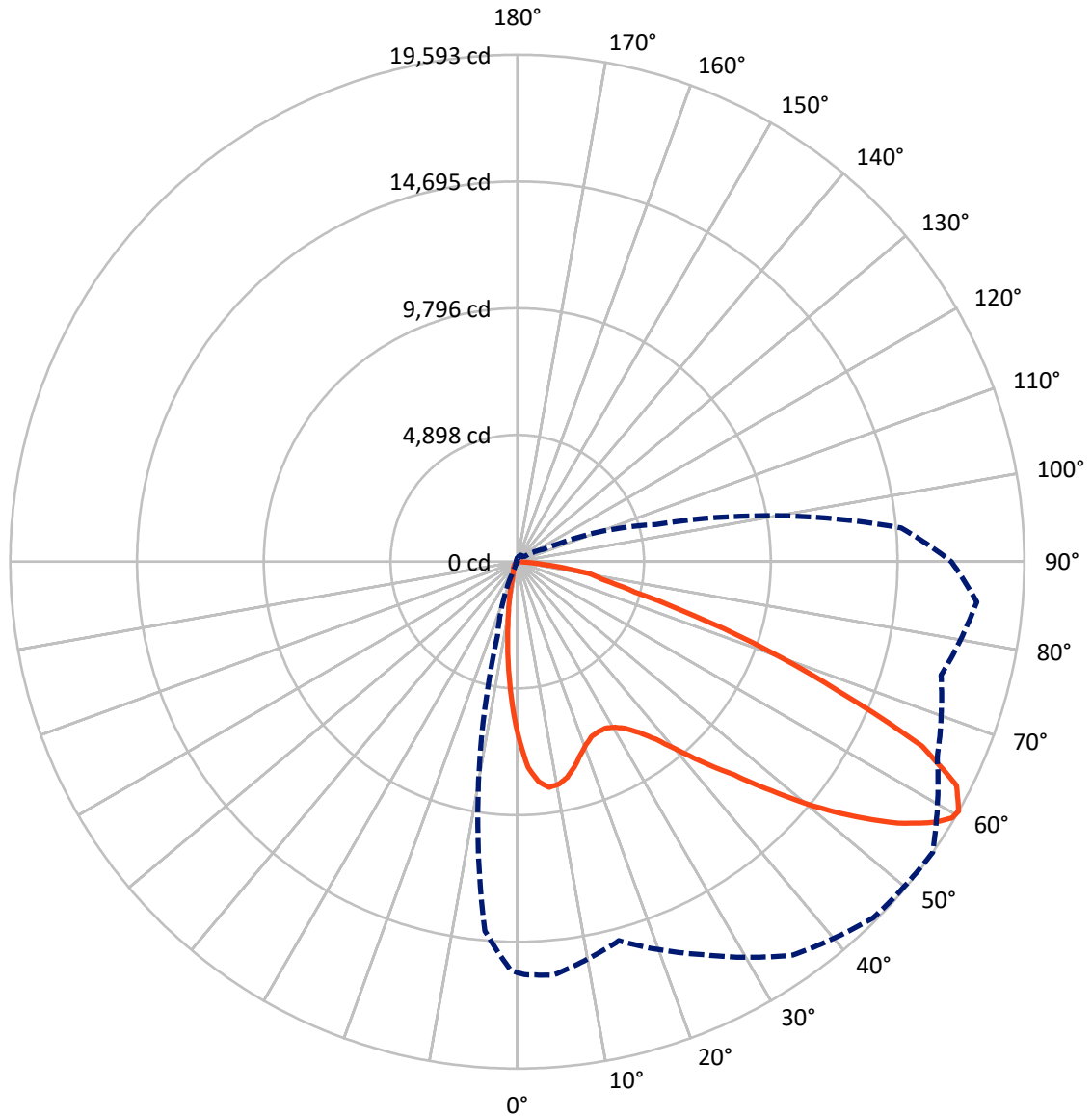
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 fc
 Type III - Short - N/A

REPORT NUMBER: P454552
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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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CATALOG NUMBER: GLAN-SA5C-830-U-SLL-HSS

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2981.8 | 0.0 | 2981.8 |
| | % Fixture | 14.8 | 0.0 | 14.8 |
| Street Side | Lumens | 17110.2 | 0.0 | 17110.2 |
| | % Fixture | 85.2 | 0.0 | 85.2 |
| Total | Lumens | 20092.0 | 0.0 | 20092.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 503.8 | 2.5 |
| 10°-20° | 992.1 | 4.9 |
| 20°-30° | 1468.4 | 7.3 |
| 30°-40° | 2188.8 | 10.9 |
| 40°-50° | 3205.6 | 16.0 |
| 50°-60° | 4627.9 | 23.0 |
| 60°-70° | 4868.3 | 24.2 |
| 70°-80° | 2002.6 | 10.0 |
| 80°-90° | 234.5 | 1.2 |
| 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° | 20092.0 | 100.0 |
| 0°-180° | 20092.0 | 100.0 |

Coefficient of Utilization



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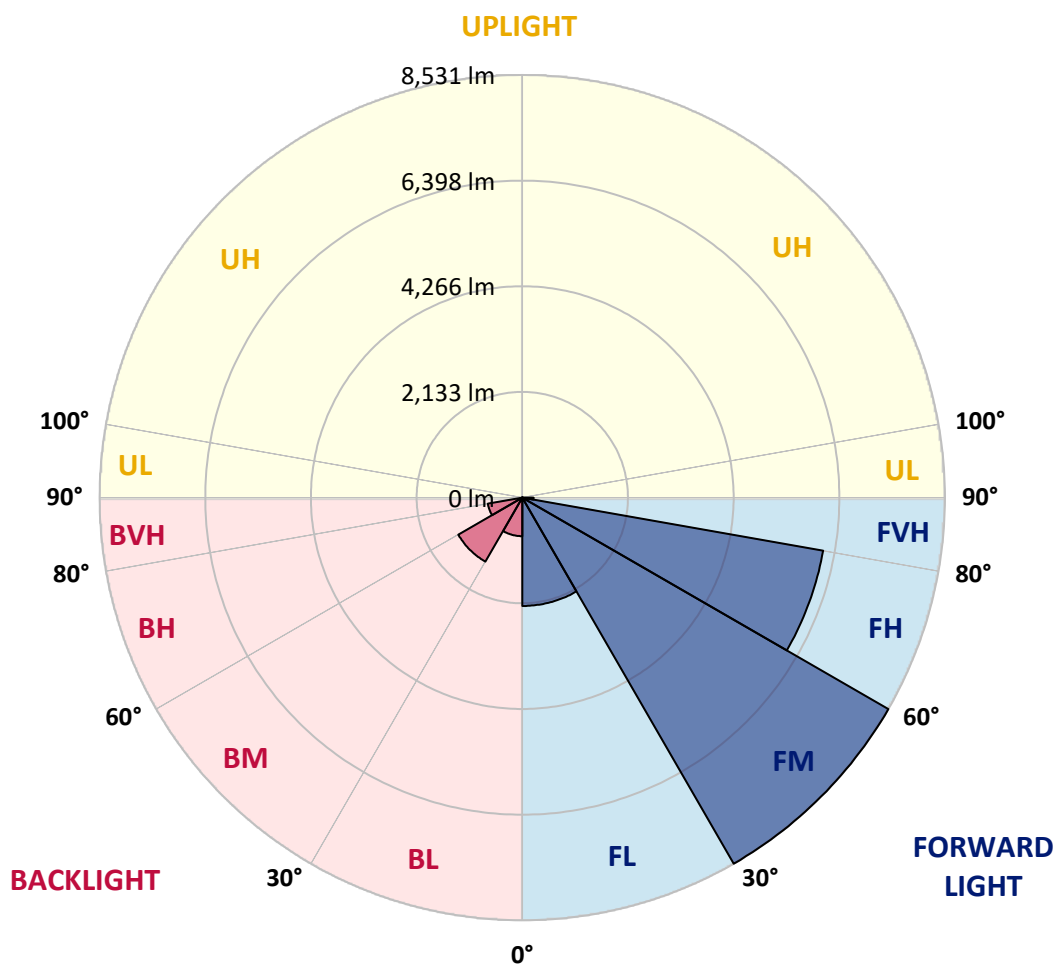
CATALOG NUMBER: GLAN-SA5C-830-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 2186.3 | 10.9 | | | |
| FM | (30°-60°) | 8531.1 | 42.5 | | | |
| FH | (60°-80°) | 6165.1 | 30.7 | | | G3/7500 |
| FVH | (80°-90°) | 227.7 | 1.1 | | | G3/500 |
| BL | (0°-30°) | 778.0 | 3.9 | B2/1000 | | |
| BM | (30°-60°) | 1491.2 | 7.4 | B2/2500 | | |
| BH | (60°-80°) | 705.8 | 3.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 6.9 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type III Short





REPORT NUMBER: P454552

CATALOG NUMBER: GLAN-SA5C-830-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 |
| 2.5° | 7432.5 | 7420.2 | 7530.0 | 7709.4 | 7890.3 | 7984.6 | 7966.1 | 7958.3 | 7808.3 | 7698.5 | 7468.1 |
| 5° | 7417.1 | 7480.5 | 7676.9 | 8162.5 | 8530.5 | 8708.4 | 8761.0 | 8539.8 | 8247.5 | 7823.8 | 7301.1 |
| 7.5° | 6973.2 | 7052.1 | 7372.2 | 8131.5 | 8785.7 | 9172.3 | 9158.4 | 8804.3 | 8201.1 | 7545.4 | 6800.0 |
| 10° | 6422.7 | 6515.4 | 6891.2 | 7813.0 | 8662.0 | 9172.3 | 9200.2 | 8751.7 | 8001.6 | 7160.3 | 6376.3 |
| 12.5° | 6034.5 | 6144.3 | 6560.3 | 7516.0 | 8343.4 | 8846.0 | 8878.5 | 8553.7 | 7851.6 | 7011.9 | 6145.8 |
| 15° | 5903.0 | 6006.6 | 6428.8 | 7366.0 | 8004.7 | 8275.4 | 8267.6 | 8233.6 | 7792.9 | 7047.4 | 6158.2 |
| 17.5° | 6128.8 | 6213.9 | 6690.2 | 7434.1 | 7687.7 | 7659.9 | 7700.1 | 7864.0 | 7805.2 | 7345.9 | 6547.9 |
| 20° | 6711.9 | 6798.5 | 7310.4 | 7642.9 | 7444.9 | 7268.6 | 7287.2 | 7560.9 | 7919.7 | 7907.3 | 7157.2 |
| 22.5° | 7514.5 | 7661.4 | 8125.4 | 8048.0 | 7412.4 | 7025.8 | 6987.1 | 7342.8 | 8114.5 | 8553.7 | 7980.0 |
| 25° | 8530.5 | 8679.0 | 9040.9 | 8694.5 | 7571.7 | 6968.6 | 6933.0 | 7276.3 | 8351.2 | 9184.7 | 8906.3 |
| 27.5° | 9384.2 | 9497.1 | 9857.5 | 9323.9 | 7806.8 | 6993.3 | 6934.5 | 7285.6 | 8542.9 | 9721.4 | 9687.3 |
| 30° | 10067.8 | 10151.3 | 10363.2 | 9617.7 | 8009.4 | 7101.6 | 7033.5 | 7421.7 | 8628.0 | 9982.7 | 10319.9 |
| 32.5° | 10618.3 | 10759.1 | 10825.6 | 9931.7 | 8300.1 | 7305.7 | 7189.7 | 7683.1 | 8835.2 | 10305.9 | 10983.3 |
| 35° | 11247.8 | 11410.1 | 11325.1 | 10231.7 | 8683.7 | 7624.3 | 7482.0 | 8106.8 | 9149.2 | 10604.4 | 11753.5 |
| 37.5° | 12045.8 | 12232.9 | 11900.4 | 10547.2 | 9088.8 | 8103.7 | 8037.2 | 8702.2 | 9625.5 | 11031.3 | 12579.3 |
| 40° | 12871.6 | 12979.9 | 12458.7 | 10930.7 | 9586.8 | 8801.2 | 8864.6 | 9586.8 | 10248.7 | 11543.1 | 13457.7 |
| 42.5° | 13516.5 | 13618.6 | 13032.4 | 11252.4 | 10095.6 | 9628.6 | 9893.0 | 10653.9 | 10963.2 | 12067.4 | 14113.4 |
| 45° | 14009.8 | 14096.4 | 13429.9 | 11603.5 | 10782.3 | 10827.1 | 11326.6 | 11753.5 | 11679.2 | 12387.5 | 14619.2 |
| 47.5° | 14393.4 | 14467.6 | 13736.1 | 11980.8 | 11810.7 | 12293.2 | 13057.2 | 13238.1 | 12421.6 | 12734.0 | 15076.9 |
| 50° | 14551.1 | 14572.8 | 13832.0 | 12461.8 | 12978.3 | 14161.4 | 14957.8 | 14848.0 | 13272.1 | 13119.0 | 15564.1 |
| 52.5° | 14756.8 | 14752.2 | 14105.7 | 12919.5 | 14076.3 | 15831.6 | 16626.5 | 16377.5 | 14234.1 | 13695.9 | 16111.5 |
| 55° | 15296.5 | 15302.7 | 14691.8 | 13569.1 | 15012.0 | 17180.2 | 18030.8 | 17849.8 | 15248.6 | 14670.2 | 16750.2 |
| 57.5° | 15952.2 | 15975.4 | 15525.4 | 14328.4 | 15905.9 | 18157.6 | 19079.3 | 19009.7 | 16620.3 | 15754.3 | 17353.4 |
| 59° | 16037.3 | 16083.7 | 15919.8 | 14863.5 | 16436.3 | 18457.6 | 19438.1 | 19506.1 | 17354.9 | 16468.8 | 17679.7 |
| 60° | 15882.7 | 15960.0 | 16034.2 | 15166.6 | 16747.2 | 18565.8 | 19459.7 | 19592.7 | 17907.0 | 16954.4 | 17828.2 |
| 62.5° | 15208.4 | 15330.5 | 15703.3 | 16099.2 | 17135.3 | 18228.7 | 18768.4 | 19046.8 | 18590.6 | 18230.3 | 17842.1 |
| 65° | 14325.3 | 14388.7 | 14926.9 | 16264.6 | 16382.2 | 16654.4 | 16821.4 | 17178.6 | 17769.4 | 18722.0 | 17203.4 |
| 67.5° | 12877.8 | 13064.9 | 13723.7 | 15304.3 | 14159.8 | 13838.2 | 13796.4 | 13440.7 | 14974.9 | 17549.8 | 15629.0 |
| 70° | 10638.4 | 10722.0 | 11533.9 | 12546.8 | 10686.4 | 10191.5 | 10389.5 | 10256.5 | 11608.1 | 15107.9 | 12579.3 |
| 72.5° | 8044.9 | 8233.6 | 9027.0 | 10001.3 | 7271.7 | 6629.9 | 7175.8 | 7126.3 | 8719.2 | 12141.6 | 8641.9 |
| 75° | 5723.6 | 5845.8 | 6857.2 | 7826.9 | 5092.7 | 4314.8 | 4511.2 | 4695.2 | 6087.1 | 9586.8 | 5106.6 |
| 77.5° | 3932.8 | 4037.9 | 4797.3 | 5176.2 | 3714.7 | 3558.5 | 3255.4 | 3433.3 | 3988.4 | 5688.1 | 2779.1 |
| 80° | 2372.3 | 2367.7 | 2867.2 | 2960.0 | 2587.3 | 3004.9 | 2520.8 | 2830.1 | 2411.0 | 2434.2 | 1076.4 |
| 82.5° | 1540.3 | 1524.9 | 1753.7 | 1911.5 | 1439.8 | 1514.0 | 1016.1 | 1464.5 | 1571.3 | 678.9 | 340.2 |
| 85° | 689.7 | 719.1 | 842.8 | 1111.9 | 631.0 | 335.6 | 207.2 | 450.0 | 669.6 | 341.8 | 0.0 |
| 87.5° | 71.1 | 55.7 | 148.5 | 270.6 | 86.6 | 9.3 | 30.9 | 15.5 | 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-SA5C-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 |
| 2.5° | 7361.4 | 7271.7 | 7004.1 | 6753.6 | 6538.6 | 6275.7 | 6105.6 | 5838.1 | 5675.7 | 5626.2 | 5633.9 |
| 5° | 7066.0 | 6807.7 | 6298.9 | 5892.2 | 5439.1 | 5180.8 | 4788.0 | 4410.6 | 4206.5 | 4130.7 | 4096.7 |
| 7.5° | 6447.4 | 6170.6 | 5556.6 | 4917.9 | 4432.3 | 3979.2 | 3686.9 | 3354.4 | 3127.0 | 2939.9 | 2907.4 |
| 10° | 5988.1 | 5624.7 | 4863.8 | 4177.1 | 3793.6 | 3453.4 | 3161.1 | 2828.6 | 2561.0 | 2347.6 | 2288.8 |
| 12.5° | 5712.8 | 5306.1 | 4457.0 | 3881.7 | 3518.3 | 3168.8 | 2788.4 | 2403.3 | 2129.5 | 1899.1 | 1792.4 |
| 15° | 5663.3 | 5191.6 | 4342.6 | 3669.9 | 3221.4 | 2799.2 | 2293.5 | 1877.5 | 1596.0 | 1377.9 | 1311.4 |
| 17.5° | 5961.8 | 5397.3 | 4325.6 | 3448.7 | 2833.2 | 2234.7 | 1708.9 | 1364.0 | 1047.0 | 924.8 | 876.9 |
| 20° | 6493.8 | 5760.7 | 4324.0 | 3192.0 | 2434.2 | 1721.3 | 1200.1 | 889.2 | 760.9 | 702.1 | 674.3 |
| 22.5° | 7219.1 | 6255.6 | 4406.0 | 2970.8 | 2019.7 | 1269.7 | 856.8 | 708.3 | 634.1 | 586.1 | 575.3 |
| 25° | 8105.3 | 6988.7 | 4607.1 | 2820.8 | 1702.7 | 996.0 | 706.8 | 606.2 | 544.4 | 522.7 | 513.4 |
| 27.5° | 8892.4 | 7690.8 | 4828.2 | 2666.2 | 1475.4 | 881.5 | 655.7 | 555.2 | 505.7 | 488.7 | 474.8 |
| 30° | 9571.3 | 8328.0 | 4934.9 | 2462.0 | 1292.9 | 807.3 | 665.0 | 593.9 | 528.9 | 477.9 | 454.7 |
| 32.5° | 10137.4 | 8816.7 | 5004.5 | 2276.5 | 1138.2 | 660.4 | 525.8 | 459.3 | 429.9 | 411.4 | 395.9 |
| 35° | 10845.7 | 9345.6 | 4962.7 | 2171.3 | 1059.4 | 601.6 | 479.4 | 395.9 | 346.4 | 309.3 | 293.8 |
| 37.5° | 11588.0 | 9874.5 | 4890.1 | 2084.7 | 1023.8 | 558.3 | 456.2 | 375.8 | 321.7 | 283.0 | 262.9 |
| 40° | 12356.6 | 10364.7 | 4805.0 | 2004.3 | 991.3 | 530.5 | 442.3 | 358.8 | 304.7 | 262.9 | 241.3 |
| 42.5° | 13060.3 | 10842.6 | 4771.0 | 1951.7 | 938.7 | 535.1 | 431.5 | 351.1 | 287.7 | 244.3 | 225.8 |
| 45° | 13629.4 | 11295.7 | 4817.4 | 1923.9 | 881.5 | 527.4 | 434.6 | 341.8 | 273.7 | 232.0 | 213.4 |
| 47.5° | 14237.2 | 11936.0 | 4967.4 | 1896.0 | 825.8 | 490.2 | 457.8 | 340.2 | 267.5 | 224.2 | 204.1 |
| 50° | 14943.9 | 12755.6 | 5310.7 | 1828.0 | 757.8 | 450.0 | 487.2 | 338.7 | 259.8 | 215.0 | 194.9 |
| 52.5° | 15885.7 | 13686.6 | 5664.9 | 1708.9 | 658.8 | 411.4 | 465.5 | 334.0 | 244.3 | 204.1 | 184.0 |
| 55° | 16731.7 | 14667.1 | 5964.9 | 1568.2 | 533.5 | 355.7 | 419.1 | 313.9 | 218.1 | 185.6 | 167.0 |
| 57.5° | 17081.2 | 15220.7 | 5955.6 | 1373.3 | 426.8 | 312.4 | 344.9 | 287.7 | 190.2 | 163.9 | 148.5 |
| 59° | 16952.8 | 15151.2 | 5756.1 | 1229.5 | 389.7 | 289.2 | 286.1 | 284.6 | 177.8 | 148.5 | 136.1 |
| 60° | 16771.9 | 14897.5 | 5541.1 | 1158.3 | 366.5 | 273.7 | 262.9 | 281.5 | 167.0 | 139.2 | 126.8 |
| 62.5° | 16079.1 | 13845.9 | 4828.2 | 1037.7 | 335.6 | 232.0 | 210.3 | 238.2 | 148.5 | 120.6 | 109.8 |
| 65° | 15075.4 | 12229.8 | 4087.4 | 1003.7 | 326.3 | 191.8 | 174.8 | 170.1 | 126.8 | 102.1 | 92.8 |
| 67.5° | 13117.5 | 10349.2 | 3311.1 | 980.5 | 329.4 | 160.8 | 153.1 | 128.4 | 105.2 | 85.1 | 78.9 |
| 70° | 10502.3 | 8069.7 | 2711.0 | 954.2 | 332.5 | 131.5 | 128.4 | 102.1 | 85.1 | 71.1 | 65.0 |
| 72.5° | 6380.9 | 4783.4 | 2134.2 | 828.9 | 323.2 | 105.2 | 114.4 | 77.3 | 61.9 | 51.0 | 47.9 |
| 75° | 3945.1 | 3274.0 | 1323.8 | 644.9 | 213.4 | 77.3 | 80.4 | 47.9 | 41.8 | 32.5 | 32.5 |
| 77.5° | 2285.7 | 2067.7 | 473.2 | 232.0 | 94.3 | 46.4 | 35.6 | 24.7 | 23.2 | 13.9 | 13.9 |
| 80° | 948.0 | 759.3 | 163.9 | 78.9 | 51.0 | 21.7 | 7.7 | 1.5 | 0.0 | 0.0 | 0.0 |
| 82.5° | 276.8 | 245.9 | 44.8 | 35.6 | 15.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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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 CATALOG NUMBER: GLAN-SA5C-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 |
| 2.5° | 5502.5 | 5451.4 | 5428.2 | 5507.1 | 5434.4 | 5527.2 | 5456.1 | 5487.0 | 5578.3 | 5618.5 | 5722.1 |
| 5° | 4118.4 | 4065.8 | 4041.0 | 4160.1 | 4153.9 | 4212.7 | 4206.5 | 4260.6 | 4307.0 | 4203.4 | 4310.1 |
| 7.5° | 2868.8 | 2833.2 | 2892.0 | 2984.8 | 3083.7 | 3051.3 | 3051.3 | 2978.6 | 3003.3 | 2987.9 | 2983.2 |
| 10° | 2182.1 | 2060.0 | 2029.0 | 2025.9 | 2063.0 | 2070.8 | 2029.0 | 1928.5 | 1965.6 | 1976.4 | 2041.4 |
| 12.5° | 1716.6 | 1622.3 | 1478.5 | 1413.5 | 1396.5 | 1410.4 | 1272.8 | 1184.6 | 1226.4 | 1201.6 | 1265.0 |
| 15° | 1231.0 | 1153.7 | 1068.6 | 996.0 | 975.8 | 948.0 | 798.0 | 692.8 | 680.5 | 685.1 | 695.9 |
| 17.5° | 878.4 | 825.8 | 825.8 | 748.5 | 706.8 | 623.2 | 547.5 | 501.1 | 496.4 | 501.1 | 508.8 |
| 20° | 648.0 | 620.2 | 617.1 | 597.0 | 550.6 | 494.9 | 442.3 | 433.0 | 429.9 | 437.7 | 440.8 |
| 22.5° | 558.3 | 528.9 | 504.2 | 502.6 | 459.3 | 412.9 | 388.2 | 375.8 | 377.3 | 380.4 | 388.2 |
| 25° | 499.5 | 468.6 | 442.3 | 426.8 | 395.9 | 363.4 | 340.2 | 334.0 | 334.0 | 338.7 | 340.2 |
| 27.5° | 457.8 | 419.1 | 395.9 | 374.3 | 346.4 | 318.6 | 298.5 | 293.8 | 290.7 | 293.8 | 301.6 |
| 30° | 428.4 | 389.7 | 360.3 | 327.9 | 306.2 | 279.9 | 262.9 | 256.7 | 255.2 | 256.7 | 262.9 |
| 32.5° | 366.5 | 343.3 | 320.1 | 290.7 | 264.5 | 247.4 | 228.9 | 218.1 | 218.1 | 221.2 | 227.3 |
| 35° | 276.8 | 264.5 | 262.9 | 255.2 | 233.5 | 215.0 | 193.3 | 182.5 | 182.5 | 188.7 | 191.8 |
| 37.5° | 244.3 | 221.2 | 218.1 | 215.0 | 205.7 | 180.9 | 160.8 | 151.6 | 150.0 | 154.7 | 160.8 |
| 40° | 222.7 | 196.4 | 182.5 | 179.4 | 180.9 | 153.1 | 131.5 | 122.2 | 122.2 | 123.7 | 129.9 |
| 42.5° | 205.7 | 174.8 | 150.0 | 146.9 | 153.1 | 128.4 | 106.7 | 97.4 | 97.4 | 97.4 | 105.2 |
| 45° | 191.8 | 156.2 | 126.8 | 111.3 | 120.6 | 105.2 | 86.6 | 77.3 | 74.2 | 77.3 | 80.4 |
| 47.5° | 182.5 | 142.3 | 111.3 | 89.7 | 89.7 | 83.5 | 69.6 | 58.8 | 55.7 | 57.2 | 61.9 |
| 50° | 174.8 | 129.9 | 94.3 | 72.7 | 65.0 | 66.5 | 52.6 | 44.8 | 41.8 | 41.8 | 46.4 |
| 52.5° | 162.4 | 117.5 | 82.0 | 61.9 | 49.5 | 44.8 | 38.7 | 32.5 | 30.9 | 32.5 | 35.6 |
| 55° | 146.9 | 106.7 | 71.1 | 51.0 | 38.7 | 30.9 | 27.8 | 23.2 | 21.7 | 23.2 | 27.8 |
| 57.5° | 129.9 | 89.7 | 57.2 | 40.2 | 26.3 | 20.1 | 18.6 | 15.5 | 12.4 | 13.9 | 17.0 |
| 59° | 119.1 | 80.4 | 49.5 | 32.5 | 20.1 | 13.9 | 13.9 | 10.8 | 7.7 | 9.3 | 13.9 |
| 60° | 114.4 | 74.2 | 41.8 | 27.8 | 17.0 | 10.8 | 10.8 | 7.7 | 4.6 | 6.2 | 10.8 |
| 62.5° | 97.4 | 61.9 | 32.5 | 17.0 | 7.7 | 1.5 | 4.6 | 1.5 | 0.0 | 1.5 | 4.6 |
| 65° | 82.0 | 49.5 | 21.7 | 7.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 |
| 67.5° | 68.0 | 37.1 | 10.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 54.1 | 24.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 37.1 | 13.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 23.2 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 9.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 | 6803.1 |
| 2.5° | 5728.3 | 5949.4 | 6085.5 | 6342.2 | 6605.1 | 6807.7 | 7061.4 | 7288.7 | 7383.0 | 7432.5 |
| 5° | 4418.4 | 4726.1 | 4987.5 | 5378.8 | 5742.2 | 6184.5 | 6633.0 | 7161.9 | 7364.5 | 7417.1 |
| 7.5° | 3100.8 | 3414.7 | 3688.4 | 4141.6 | 4659.6 | 5251.9 | 5923.1 | 6594.3 | 6889.7 | 6973.2 |
| 10° | 2239.3 | 2574.9 | 2909.0 | 3362.1 | 3846.2 | 4488.0 | 5187.0 | 6017.5 | 6357.7 | 6422.7 |
| 12.5° | 1413.5 | 1773.8 | 2316.7 | 2876.5 | 3388.4 | 3904.9 | 4636.4 | 5539.6 | 5915.4 | 6034.5 |
| 15° | 819.7 | 1088.7 | 1498.6 | 2228.5 | 2879.6 | 3563.2 | 4361.2 | 5360.2 | 5780.9 | 5903.0 |
| 17.5° | 549.0 | 641.8 | 923.3 | 1481.6 | 2341.4 | 3247.7 | 4291.6 | 5507.1 | 5972.6 | 6128.8 |
| 20° | 462.4 | 504.2 | 603.1 | 903.2 | 1803.2 | 2966.2 | 4310.1 | 5906.1 | 6517.0 | 6711.9 |
| 22.5° | 406.7 | 445.4 | 508.8 | 649.5 | 1258.9 | 2616.7 | 4398.3 | 6476.8 | 7265.5 | 7514.5 |
| 25° | 358.8 | 397.5 | 453.1 | 538.2 | 845.9 | 2213.1 | 4591.6 | 7311.9 | 8256.8 | 8530.5 |
| 27.5° | 318.6 | 354.2 | 402.1 | 474.8 | 651.1 | 1763.0 | 4763.2 | 8125.4 | 9161.5 | 9384.2 |
| 30° | 281.5 | 310.8 | 357.2 | 412.9 | 541.3 | 1359.4 | 4849.9 | 8836.8 | 9820.3 | 10067.8 |
| 32.5° | 244.3 | 272.2 | 317.0 | 361.9 | 445.4 | 1036.2 | 4789.5 | 9359.5 | 10460.6 | 10618.3 |
| 35° | 208.8 | 238.2 | 275.3 | 317.0 | 385.1 | 836.7 | 4488.0 | 9947.1 | 11124.0 | 11247.8 |
| 37.5° | 179.4 | 204.1 | 242.8 | 275.3 | 348.0 | 669.6 | 4123.0 | 10476.1 | 11867.9 | 12045.8 |
| 40° | 151.6 | 176.3 | 215.0 | 244.3 | 320.1 | 527.4 | 3793.6 | 11063.7 | 12652.0 | 12871.6 |
| 42.5° | 123.7 | 153.1 | 187.1 | 235.1 | 275.3 | 402.1 | 3394.6 | 11540.1 | 13241.2 | 13516.5 |
| 45° | 99.0 | 131.5 | 168.6 | 233.5 | 239.7 | 306.2 | 3009.5 | 11911.2 | 13762.4 | 14009.8 |
| 47.5° | 78.9 | 111.3 | 162.4 | 218.1 | 196.4 | 242.8 | 2789.9 | 12299.4 | 14195.4 | 14393.4 |
| 50° | 63.4 | 92.8 | 170.1 | 191.8 | 163.9 | 205.7 | 2783.7 | 12732.4 | 14419.7 | 14551.1 |
| 52.5° | 51.0 | 75.8 | 143.8 | 146.9 | 139.2 | 180.9 | 2950.7 | 13219.6 | 14648.5 | 14756.8 |
| 55° | 43.3 | 63.4 | 94.3 | 108.3 | 125.3 | 163.9 | 3076.0 | 13969.6 | 15194.5 | 15296.5 |
| 57.5° | 34.0 | 54.1 | 72.7 | 86.6 | 111.3 | 150.0 | 3093.0 | 14548.0 | 15885.7 | 15952.2 |
| 59° | 29.4 | 46.4 | 65.0 | 77.3 | 102.1 | 140.7 | 3023.4 | 14583.6 | 15930.6 | 16037.3 |
| 60° | 24.7 | 41.8 | 57.2 | 72.7 | 94.3 | 133.0 | 2947.6 | 14325.3 | 15763.6 | 15882.7 |
| 62.5° | 18.6 | 32.5 | 41.8 | 58.8 | 77.3 | 114.4 | 2588.9 | 13423.7 | 15124.9 | 15208.4 |
| 65° | 12.4 | 23.2 | 30.9 | 43.3 | 60.3 | 99.0 | 2109.4 | 12254.5 | 14138.2 | 14325.3 |
| 67.5° | 7.7 | 17.0 | 24.7 | 32.5 | 49.5 | 83.5 | 1503.2 | 10508.5 | 12757.2 | 12877.8 |
| 70° | 4.6 | 10.8 | 18.6 | 26.3 | 38.7 | 66.5 | 892.3 | 8306.3 | 10613.7 | 10638.4 |
| 72.5° | 3.1 | 7.7 | 12.4 | 18.6 | 30.9 | 60.3 | 433.0 | 5414.3 | 7749.6 | 8044.9 |
| 75° | 1.5 | 4.6 | 7.7 | 13.9 | 24.7 | 49.5 | 207.2 | 3617.3 | 5638.6 | 5723.6 |
| 77.5° | 0.0 | 1.5 | 4.6 | 9.3 | 18.6 | 38.7 | 120.6 | 2375.4 | 3844.6 | 3932.8 |
| 80° | 0.0 | 0.0 | 3.1 | 7.7 | 13.9 | 24.7 | 72.7 | 1401.1 | 2329.0 | 2372.3 |
| 82.5° | 0.0 | 0.0 | 1.5 | 6.2 | 9.3 | 18.6 | 37.1 | 615.5 | 1524.9 | 1540.3 |
| 85° | 0.0 | 0.0 | 1.5 | 6.2 | 7.7 | 12.4 | 13.9 | 83.5 | 677.4 | 689.7 |
| 87.5° | 0.0 | 0.0 | 1.5 | 7.7 | 7.7 | 7.7 | 7.7 | 4.6 | 57.2 | 71.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)