

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: P454929

Luminaire Tested: **GLAN-SA6A-750-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454929
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-SA6A-750-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 615mA 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: 19475 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

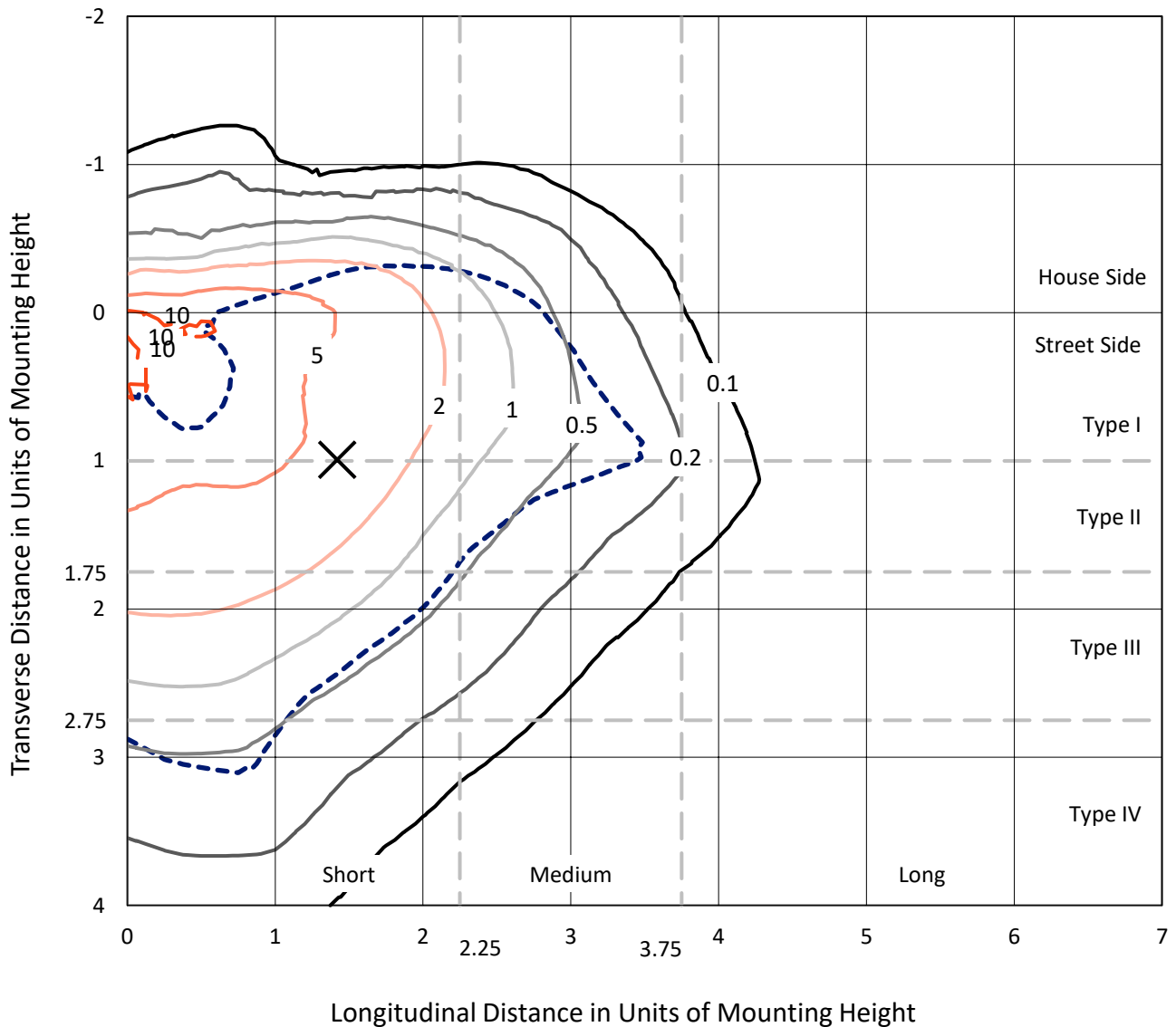
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P454929
 CATALOG NUMBER: GLAN-SA6A-750-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

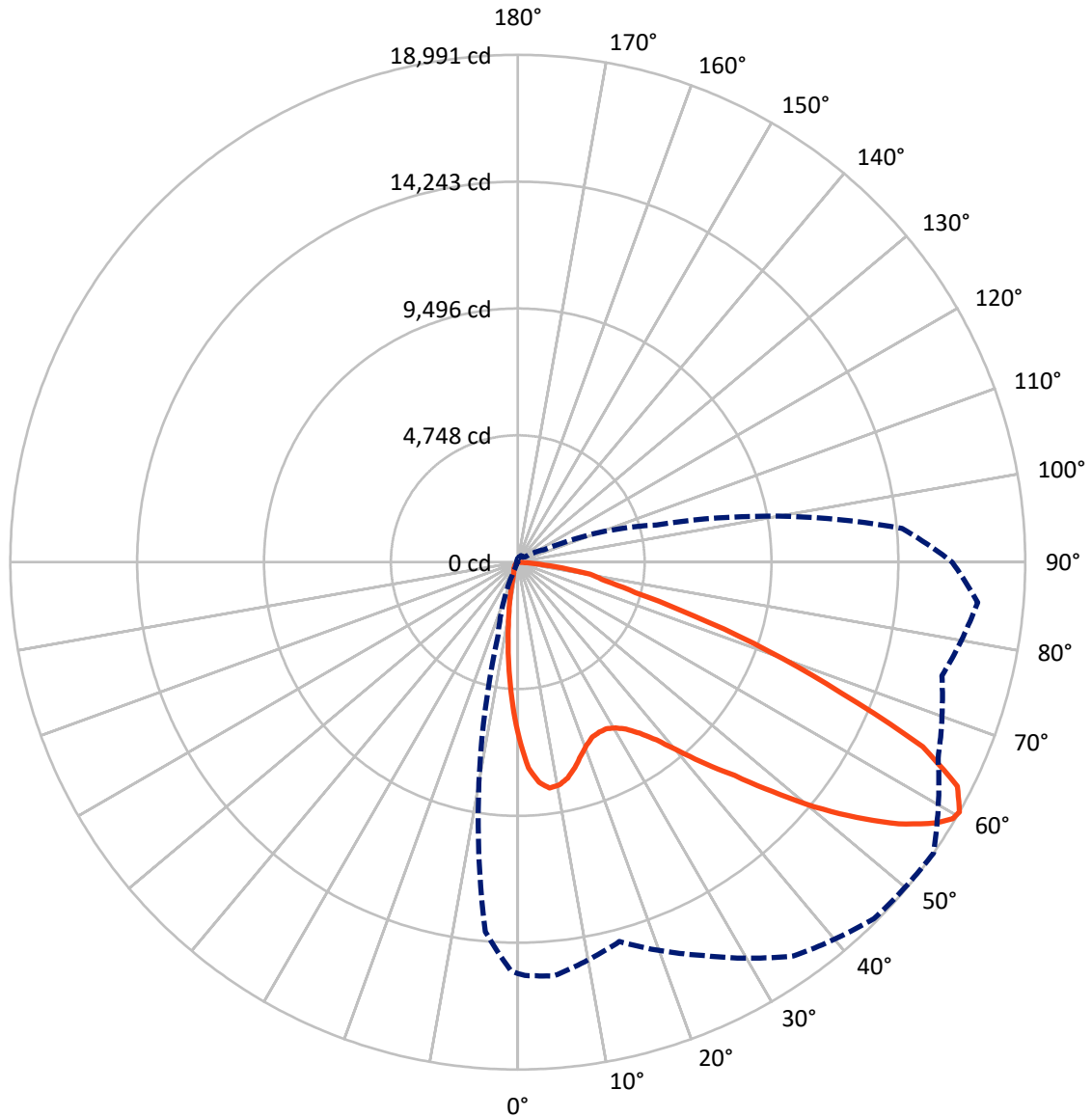
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 fc
 Type III - Short - N/A

REPORT NUMBER: P454929
CATALOG NUMBER: GLAN-SA6A-750-U-SLL-HSS

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GLAN-SA6A-750-U-SLL-HSS

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2890.3 | 0.0 | 2890.3 |
| | % Fixture | 14.8 | 0.0 | 14.8 |
| Street Side | Lumens | 16584.7 | 0.0 | 16584.7 |
| | % Fixture | 85.2 | 0.0 | 85.2 |
| Total | Lumens | 19475.0 | 0.0 | 19475.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 488.3 | 2.5 |
| 10°-20° | 961.6 | 4.9 |
| 20°-30° | 1423.3 | 7.3 |
| 30°-40° | 2121.6 | 10.9 |
| 40°-50° | 3107.1 | 16.0 |
| 50°-60° | 4485.7 | 23.0 |
| 60°-70° | 4718.8 | 24.2 |
| 70°-80° | 1941.1 | 10.0 |
| 80°-90° | 227.3 | 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° | 19475.0 | 100.0 |
| 0°-180° | 19475.0 | 100.0 |

Coefficient of Utilization



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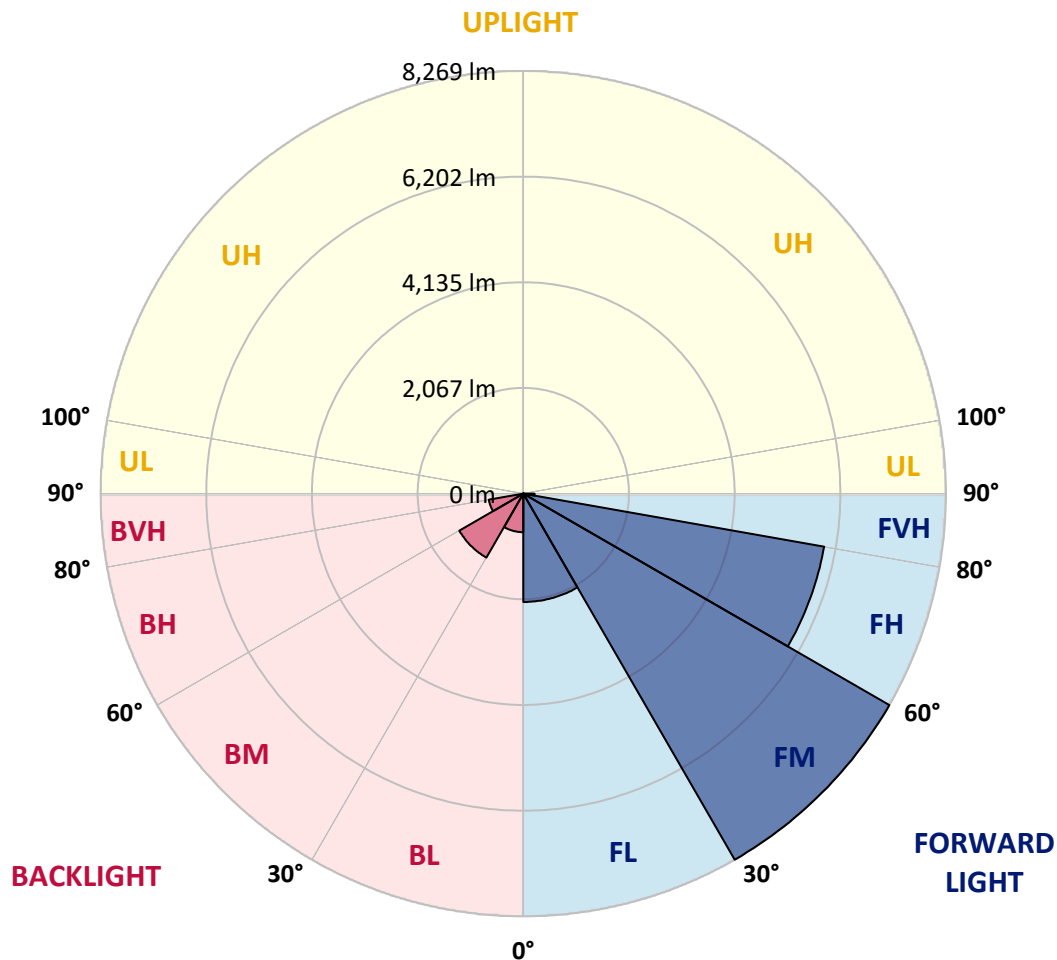
CATALOG NUMBER: GLAN-SA6A-750-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 2119.2 | 10.9 | | | |
| FM | (30°-60°) | 8269.1 | 42.5 | | | |
| FH | (60°-80°) | 5975.8 | 30.7 | | | G3/7500 |
| FVH | (80°-90°) | 220.7 | 1.1 | | | G2/225 |
| BL | (0°-30°) | 754.1 | 3.9 | B2/1000 | | |
| BM | (30°-60°) | 1445.4 | 7.4 | B2/2500 | | |
| BH | (60°-80°) | 684.1 | 3.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 6.7 | 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: P454929

CATALOG NUMBER: GLAN-SA6A-750-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 |
| 2.5° | 7204.3 | 7192.3 | 7298.7 | 7472.6 | 7648.0 | 7739.4 | 7721.4 | 7713.9 | 7568.5 | 7462.1 | 7238.8 |
| 5° | 7189.3 | 7250.8 | 7441.1 | 7911.8 | 8268.6 | 8441.0 | 8491.9 | 8277.6 | 7994.3 | 7583.5 | 7076.9 |
| 7.5° | 6759.1 | 6835.5 | 7145.8 | 7881.8 | 8515.9 | 8890.7 | 8877.2 | 8533.9 | 7949.3 | 7313.7 | 6591.2 |
| 10° | 6225.4 | 6315.4 | 6679.6 | 7573.0 | 8396.0 | 8890.7 | 8917.7 | 8482.9 | 7755.9 | 6940.5 | 6180.5 |
| 12.5° | 5849.2 | 5955.6 | 6358.8 | 7285.2 | 8087.2 | 8574.4 | 8605.9 | 8291.1 | 7610.5 | 6796.5 | 5957.1 |
| 15° | 5721.8 | 5822.2 | 6231.4 | 7139.8 | 7758.9 | 8021.2 | 8013.8 | 7980.8 | 7553.6 | 6831.0 | 5969.1 |
| 17.5° | 5940.6 | 6023.1 | 6484.8 | 7205.8 | 7451.6 | 7424.6 | 7463.6 | 7622.5 | 7565.5 | 7120.3 | 6346.8 |
| 20° | 6505.7 | 6589.7 | 7085.9 | 7408.1 | 7216.3 | 7045.4 | 7063.4 | 7328.7 | 7676.5 | 7664.5 | 6937.5 |
| 22.5° | 7283.7 | 7426.1 | 7875.8 | 7800.9 | 7184.8 | 6810.0 | 6772.6 | 7117.3 | 7865.3 | 8291.1 | 7734.9 |
| 25° | 8268.6 | 8412.5 | 8763.3 | 8427.5 | 7339.2 | 6754.6 | 6720.1 | 7052.9 | 8094.7 | 8902.7 | 8632.8 |
| 27.5° | 9096.0 | 9205.5 | 9554.7 | 9037.6 | 7567.0 | 6778.6 | 6721.6 | 7061.9 | 8280.6 | 9422.8 | 9389.9 |
| 30° | 9758.6 | 9839.6 | 10044.9 | 9322.4 | 7763.4 | 6883.5 | 6817.5 | 7193.8 | 8363.0 | 9676.2 | 10002.9 |
| 32.5° | 10292.3 | 10428.7 | 10493.1 | 9626.7 | 8045.2 | 7081.4 | 6968.9 | 7447.1 | 8563.9 | 9989.5 | 10646.0 |
| 35° | 10902.4 | 11059.8 | 10977.3 | 9917.5 | 8417.0 | 7390.2 | 7252.3 | 7857.9 | 8868.2 | 10278.8 | 11392.5 |
| 37.5° | 11675.9 | 11857.2 | 11534.9 | 10223.3 | 8809.7 | 7854.9 | 7790.4 | 8435.0 | 9329.9 | 10692.5 | 12193.0 |
| 40° | 12476.3 | 12581.3 | 12076.1 | 10595.1 | 9292.4 | 8530.9 | 8592.4 | 9292.4 | 9934.0 | 11188.7 | 13044.5 |
| 42.5° | 13101.4 | 13200.4 | 12632.2 | 10906.9 | 9785.6 | 9332.9 | 9589.2 | 10326.7 | 10626.5 | 11696.8 | 13680.0 |
| 45° | 13579.6 | 13663.6 | 13017.5 | 11247.1 | 10451.2 | 10494.6 | 10978.8 | 11392.5 | 11320.6 | 12007.1 | 14170.2 |
| 47.5° | 13951.4 | 14023.3 | 13314.3 | 11612.9 | 11448.0 | 11915.7 | 12656.2 | 12831.6 | 12040.1 | 12342.9 | 14613.9 |
| 50° | 14104.3 | 14125.2 | 13407.2 | 12079.1 | 12579.8 | 13726.5 | 14498.5 | 14392.1 | 12864.6 | 12716.2 | 15086.1 |
| 52.5° | 14303.6 | 14299.1 | 13672.5 | 12522.8 | 13644.1 | 15345.4 | 16115.9 | 15874.6 | 13797.0 | 13275.3 | 15616.8 |
| 55° | 14826.8 | 14832.8 | 14240.7 | 13152.4 | 14551.0 | 16652.6 | 17477.1 | 17301.7 | 14780.3 | 14219.7 | 16235.9 |
| 57.5° | 15462.4 | 15484.9 | 15048.6 | 13888.4 | 15417.4 | 17600.0 | 18493.4 | 18425.9 | 16109.9 | 15270.5 | 16820.5 |
| 59° | 15544.8 | 15589.8 | 15430.9 | 14407.1 | 15931.6 | 17890.8 | 18841.2 | 18907.1 | 16822.0 | 15963.0 | 17136.8 |
| 60° | 15394.9 | 15469.9 | 15541.8 | 14700.9 | 16232.9 | 17995.7 | 18862.1 | 18991.1 | 17357.1 | 16433.7 | 17280.7 |
| 62.5° | 14741.3 | 14859.8 | 15221.0 | 15604.8 | 16609.1 | 17668.9 | 18192.1 | 18461.9 | 18019.7 | 17670.4 | 17294.2 |
| 65° | 13885.4 | 13946.9 | 14468.5 | 15765.2 | 15879.1 | 16142.9 | 16304.8 | 16651.1 | 17223.7 | 18147.1 | 16675.1 |
| 67.5° | 12482.3 | 12663.7 | 13302.3 | 14834.3 | 13725.0 | 13413.2 | 13372.7 | 13028.0 | 14515.0 | 17010.9 | 15149.1 |
| 70° | 10311.7 | 10392.7 | 11179.7 | 12161.5 | 10358.2 | 9878.5 | 10070.4 | 9941.5 | 11251.6 | 14643.9 | 12193.0 |
| 72.5° | 7797.9 | 7980.8 | 8749.8 | 9694.2 | 7048.4 | 6426.3 | 6955.4 | 6907.5 | 8451.5 | 11768.8 | 8376.5 |
| 75° | 5547.9 | 5666.3 | 6646.6 | 7586.5 | 4936.3 | 4182.3 | 4372.6 | 4551.0 | 5900.1 | 9292.4 | 4949.8 |
| 77.5° | 3812.0 | 3913.9 | 4650.0 | 5017.2 | 3600.6 | 3449.2 | 3155.4 | 3327.8 | 3866.0 | 5513.4 | 2693.7 |
| 80° | 2299.5 | 2295.0 | 2779.2 | 2869.1 | 2507.9 | 2912.6 | 2443.4 | 2743.2 | 2337.0 | 2359.5 | 1043.3 |
| 82.5° | 1493.0 | 1478.0 | 1699.9 | 1852.8 | 1395.6 | 1467.5 | 984.9 | 1419.6 | 1523.0 | 658.1 | 329.8 |
| 85° | 668.6 | 697.0 | 817.0 | 1077.8 | 611.6 | 325.3 | 200.9 | 436.2 | 649.1 | 331.3 | 0.0 |
| 87.5° | 69.0 | 54.0 | 143.9 | 262.3 | 83.9 | 9.0 | 30.0 | 15.0 | 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-SA6A-750-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 |
| 2.5° | 7135.3 | 7048.4 | 6789.1 | 6546.2 | 6337.8 | 6083.0 | 5918.1 | 5658.8 | 5501.4 | 5453.4 | 5460.9 |
| 5° | 6849.0 | 6598.7 | 6105.5 | 5711.3 | 5272.0 | 5021.7 | 4641.0 | 4275.2 | 4077.3 | 4003.9 | 3970.9 |
| 7.5° | 6249.4 | 5981.1 | 5386.0 | 4766.9 | 4296.2 | 3857.0 | 3573.7 | 3251.4 | 3031.0 | 2849.6 | 2818.2 |
| 10° | 5804.2 | 5451.9 | 4714.4 | 4048.8 | 3677.1 | 3347.3 | 3064.0 | 2741.7 | 2482.4 | 2275.5 | 2218.5 |
| 12.5° | 5537.4 | 5143.1 | 4320.2 | 3762.5 | 3410.3 | 3071.5 | 2702.7 | 2329.5 | 2064.1 | 1840.8 | 1737.4 |
| 15° | 5489.4 | 5032.2 | 4209.2 | 3557.2 | 3122.5 | 2713.2 | 2223.0 | 1819.8 | 1547.0 | 1335.6 | 1271.2 |
| 17.5° | 5778.7 | 5231.6 | 4192.8 | 3342.8 | 2746.2 | 2166.1 | 1656.4 | 1322.1 | 1014.8 | 896.4 | 849.9 |
| 20° | 6294.4 | 5583.8 | 4191.3 | 3094.0 | 2359.5 | 1668.4 | 1163.2 | 861.9 | 737.5 | 680.6 | 653.6 |
| 22.5° | 6997.4 | 6063.5 | 4270.7 | 2879.6 | 1957.7 | 1230.7 | 830.5 | 686.6 | 614.6 | 568.1 | 557.6 |
| 25° | 7856.4 | 6774.1 | 4465.6 | 2734.2 | 1650.4 | 965.4 | 685.1 | 587.6 | 527.7 | 506.7 | 497.7 |
| 27.5° | 8619.4 | 7454.6 | 4679.9 | 2584.3 | 1430.1 | 854.4 | 635.6 | 538.1 | 490.2 | 473.7 | 460.2 |
| 30° | 9277.4 | 8072.2 | 4783.4 | 2386.4 | 1253.2 | 782.5 | 644.6 | 575.6 | 512.7 | 463.2 | 440.7 |
| 32.5° | 9826.1 | 8545.9 | 4850.8 | 2206.6 | 1103.3 | 640.1 | 509.7 | 445.2 | 416.7 | 398.7 | 383.7 |
| 35° | 10512.6 | 9058.6 | 4810.3 | 2104.6 | 1026.8 | 583.1 | 464.7 | 383.7 | 335.8 | 299.8 | 284.8 |
| 37.5° | 11232.1 | 9571.2 | 4739.9 | 2020.7 | 992.4 | 541.1 | 442.2 | 364.3 | 311.8 | 274.3 | 254.8 |
| 40° | 11977.2 | 10046.4 | 4657.4 | 1942.7 | 960.9 | 514.2 | 428.7 | 347.8 | 295.3 | 254.8 | 233.8 |
| 42.5° | 12659.2 | 10509.6 | 4624.5 | 1891.8 | 909.9 | 518.7 | 418.2 | 340.3 | 278.8 | 236.8 | 218.9 |
| 45° | 13210.8 | 10948.8 | 4669.4 | 1864.8 | 854.4 | 511.2 | 421.2 | 331.3 | 265.3 | 224.9 | 206.9 |
| 47.5° | 13800.0 | 11569.4 | 4814.8 | 1837.8 | 800.5 | 475.2 | 443.7 | 329.8 | 259.3 | 217.4 | 197.9 |
| 50° | 14485.0 | 12363.9 | 5147.6 | 1771.8 | 734.5 | 436.2 | 472.2 | 328.3 | 251.8 | 208.4 | 188.9 |
| 52.5° | 15397.9 | 13266.3 | 5490.9 | 1656.4 | 638.6 | 398.7 | 451.2 | 323.8 | 236.8 | 197.9 | 178.4 |
| 55° | 16217.9 | 14216.7 | 5781.7 | 1520.0 | 517.2 | 344.8 | 406.2 | 304.3 | 211.4 | 179.9 | 161.9 |
| 57.5° | 16556.7 | 14753.3 | 5772.7 | 1331.1 | 413.7 | 302.8 | 334.3 | 278.8 | 184.4 | 158.9 | 143.9 |
| 59° | 16432.2 | 14685.9 | 5579.3 | 1191.7 | 377.8 | 280.3 | 277.3 | 275.8 | 172.4 | 143.9 | 131.9 |
| 60° | 16256.9 | 14440.0 | 5371.0 | 1122.8 | 355.3 | 265.3 | 254.8 | 272.8 | 161.9 | 134.9 | 122.9 |
| 62.5° | 15585.3 | 13420.7 | 4679.9 | 1005.8 | 325.3 | 224.9 | 203.9 | 230.8 | 143.9 | 116.9 | 106.4 |
| 65° | 14612.4 | 11854.2 | 3961.9 | 972.9 | 316.3 | 185.9 | 169.4 | 164.9 | 122.9 | 98.9 | 89.9 |
| 67.5° | 12714.7 | 10031.4 | 3209.4 | 950.4 | 319.3 | 155.9 | 148.4 | 124.4 | 101.9 | 82.4 | 76.4 |
| 70° | 10179.8 | 7821.9 | 2627.8 | 924.9 | 322.3 | 127.4 | 124.4 | 98.9 | 82.4 | 69.0 | 63.0 |
| 72.5° | 6184.9 | 4636.5 | 2068.6 | 803.5 | 313.3 | 101.9 | 110.9 | 75.0 | 60.0 | 49.5 | 46.5 |
| 75° | 3824.0 | 3173.4 | 1283.2 | 625.1 | 206.9 | 75.0 | 77.9 | 46.5 | 40.5 | 31.5 | 31.5 |
| 77.5° | 2215.5 | 2004.2 | 458.7 | 224.9 | 91.4 | 45.0 | 34.5 | 24.0 | 22.5 | 13.5 | 13.5 |
| 80° | 918.9 | 736.0 | 158.9 | 76.4 | 49.5 | 21.0 | 7.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 82.5° | 268.3 | 238.3 | 43.5 | 34.5 | 15.0 | 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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CATALOG NUMBER: GLAN-SA6A-750-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 | 6594.2 |
| 2.5° | 5333.5 | 5284.0 | 5261.6 | 5338.0 | 5267.6 | 5357.5 | 5288.5 | 5318.5 | 5407.0 | 5445.9 | 5546.4 |
| 5° | 3991.9 | 3940.9 | 3916.9 | 4032.4 | 4026.4 | 4083.3 | 4077.3 | 4129.8 | 4174.8 | 4074.3 | 4177.8 |
| 7.5° | 2780.7 | 2746.2 | 2803.2 | 2893.1 | 2989.0 | 2957.6 | 2957.6 | 2887.1 | 2911.1 | 2896.1 | 2891.6 |
| 10° | 2115.1 | 1996.7 | 1966.7 | 1963.7 | 1999.7 | 2007.2 | 1966.7 | 1869.3 | 1905.3 | 1915.7 | 1978.7 |
| 12.5° | 1663.9 | 1572.5 | 1433.1 | 1370.1 | 1353.6 | 1367.1 | 1233.7 | 1148.2 | 1188.7 | 1164.7 | 1226.2 |
| 15° | 1193.2 | 1118.3 | 1035.8 | 965.4 | 945.9 | 918.9 | 773.5 | 671.6 | 659.6 | 664.1 | 674.6 |
| 17.5° | 851.4 | 800.5 | 800.5 | 725.5 | 685.1 | 604.1 | 530.7 | 485.7 | 481.2 | 485.7 | 493.2 |
| 20° | 628.1 | 601.1 | 598.1 | 578.6 | 533.7 | 479.7 | 428.7 | 419.7 | 416.7 | 424.2 | 427.2 |
| 22.5° | 541.1 | 512.7 | 488.7 | 487.2 | 445.2 | 400.2 | 376.3 | 364.3 | 365.8 | 368.8 | 376.3 |
| 25° | 484.2 | 454.2 | 428.7 | 413.7 | 383.7 | 352.3 | 329.8 | 323.8 | 323.8 | 328.3 | 329.8 |
| 27.5° | 443.7 | 406.2 | 383.7 | 362.8 | 335.8 | 308.8 | 289.3 | 284.8 | 281.8 | 284.8 | 292.3 |
| 30° | 415.2 | 377.8 | 349.3 | 317.8 | 296.8 | 271.3 | 254.8 | 248.8 | 247.3 | 248.8 | 254.8 |
| 32.5° | 355.3 | 332.8 | 310.3 | 281.8 | 256.3 | 239.8 | 221.9 | 211.4 | 211.4 | 214.4 | 220.4 |
| 35° | 268.3 | 256.3 | 254.8 | 247.3 | 226.4 | 208.4 | 187.4 | 176.9 | 176.9 | 182.9 | 185.9 |
| 37.5° | 236.8 | 214.4 | 211.4 | 208.4 | 199.4 | 175.4 | 155.9 | 146.9 | 145.4 | 149.9 | 155.9 |
| 40° | 215.9 | 190.4 | 176.9 | 173.9 | 175.4 | 148.4 | 127.4 | 118.4 | 118.4 | 119.9 | 125.9 |
| 42.5° | 199.4 | 169.4 | 145.4 | 142.4 | 148.4 | 124.4 | 103.4 | 94.4 | 94.4 | 94.4 | 101.9 |
| 45° | 185.9 | 151.4 | 122.9 | 107.9 | 116.9 | 101.9 | 83.9 | 75.0 | 72.0 | 75.0 | 77.9 |
| 47.5° | 176.9 | 137.9 | 107.9 | 86.9 | 86.9 | 80.9 | 67.5 | 57.0 | 54.0 | 55.5 | 60.0 |
| 50° | 169.4 | 125.9 | 91.4 | 70.5 | 63.0 | 64.5 | 51.0 | 43.5 | 40.5 | 40.5 | 45.0 |
| 52.5° | 157.4 | 113.9 | 79.4 | 60.0 | 48.0 | 43.5 | 37.5 | 31.5 | 30.0 | 31.5 | 34.5 |
| 55° | 142.4 | 103.4 | 69.0 | 49.5 | 37.5 | 30.0 | 27.0 | 22.5 | 21.0 | 22.5 | 27.0 |
| 57.5° | 125.9 | 86.9 | 55.5 | 39.0 | 25.5 | 19.5 | 18.0 | 15.0 | 12.0 | 13.5 | 16.5 |
| 59° | 115.4 | 77.9 | 48.0 | 31.5 | 19.5 | 13.5 | 13.5 | 10.5 | 7.5 | 9.0 | 13.5 |
| 60° | 110.9 | 72.0 | 40.5 | 27.0 | 16.5 | 10.5 | 10.5 | 7.5 | 4.5 | 6.0 | 10.5 |
| 62.5° | 94.4 | 60.0 | 31.5 | 16.5 | 7.5 | 1.5 | 4.5 | 1.5 | 0.0 | 1.5 | 4.5 |
| 65° | 79.4 | 48.0 | 21.0 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 |
| 67.5° | 66.0 | 36.0 | 10.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 52.5 | 24.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 36.0 | 13.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 22.5 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 9.0 | 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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| 2.5° | 5552.4 | 5766.7 | 5898.6 | 6147.5 | 6402.3 | 6598.7 | 6844.5 | 7064.9 | 7156.3 | 7204.3 |
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| 27.5° | 308.8 | 343.3 | 389.7 | 460.2 | 631.1 | 1708.9 | 4617.0 | 7875.8 | 8880.2 | 9096.0 |
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| 47.5° | 76.4 | 107.9 | 157.4 | 211.4 | 190.4 | 235.3 | 2704.2 | 11921.7 | 13759.5 | 13951.4 |
| 50° | 61.5 | 89.9 | 164.9 | 185.9 | 158.9 | 199.4 | 2698.2 | 12341.4 | 13976.8 | 14104.3 |
| 52.5° | 49.5 | 73.5 | 139.4 | 142.4 | 134.9 | 175.4 | 2860.1 | 12813.6 | 14198.7 | 14303.6 |
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| 57.5° | 33.0 | 52.5 | 70.5 | 83.9 | 107.9 | 145.4 | 2998.0 | 14101.3 | 15397.9 | 15462.4 |
| 59° | 28.5 | 45.0 | 63.0 | 75.0 | 98.9 | 136.4 | 2930.6 | 14135.7 | 15441.4 | 15544.8 |
| 60° | 24.0 | 40.5 | 55.5 | 70.5 | 91.4 | 128.9 | 2857.1 | 13885.4 | 15279.5 | 15394.9 |
| 62.5° | 18.0 | 31.5 | 40.5 | 57.0 | 75.0 | 110.9 | 2509.4 | 13011.5 | 14660.4 | 14741.3 |
| 65° | 12.0 | 22.5 | 30.0 | 42.0 | 58.5 | 95.9 | 2044.7 | 11878.2 | 13704.0 | 13885.4 |
| 67.5° | 7.5 | 16.5 | 24.0 | 31.5 | 48.0 | 80.9 | 1457.0 | 10185.8 | 12365.4 | 12482.3 |
| 70° | 4.5 | 10.5 | 18.0 | 25.5 | 37.5 | 64.5 | 864.9 | 8051.2 | 10287.8 | 10311.7 |
| 72.5° | 3.0 | 7.5 | 12.0 | 18.0 | 30.0 | 58.5 | 419.7 | 5248.1 | 7511.6 | 7797.9 |
| 75° | 1.5 | 4.5 | 7.5 | 13.5 | 24.0 | 48.0 | 200.9 | 3506.2 | 5465.4 | 5547.9 |
| 77.5° | 0.0 | 1.5 | 4.5 | 9.0 | 18.0 | 37.5 | 116.9 | 2302.5 | 3726.6 | 3812.0 |
| 80° | 0.0 | 0.0 | 3.0 | 7.5 | 13.5 | 24.0 | 70.5 | 1358.1 | 2257.5 | 2299.5 |
| 82.5° | 0.0 | 0.0 | 1.5 | 6.0 | 9.0 | 18.0 | 36.0 | 596.6 | 1478.0 | 1493.0 |
| 85° | 0.0 | 0.0 | 1.5 | 6.0 | 7.5 | 12.0 | 13.5 | 80.9 | 656.6 | 668.6 |
| 87.5° | 0.0 | 0.0 | 1.5 | 7.5 | 7.5 | 7.5 | 7.5 | 4.5 | 55.5 | 69.0 |
| 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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