

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: P529439

Luminaire Tested: **GLAN-SA4C-750-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4C-750-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16608 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

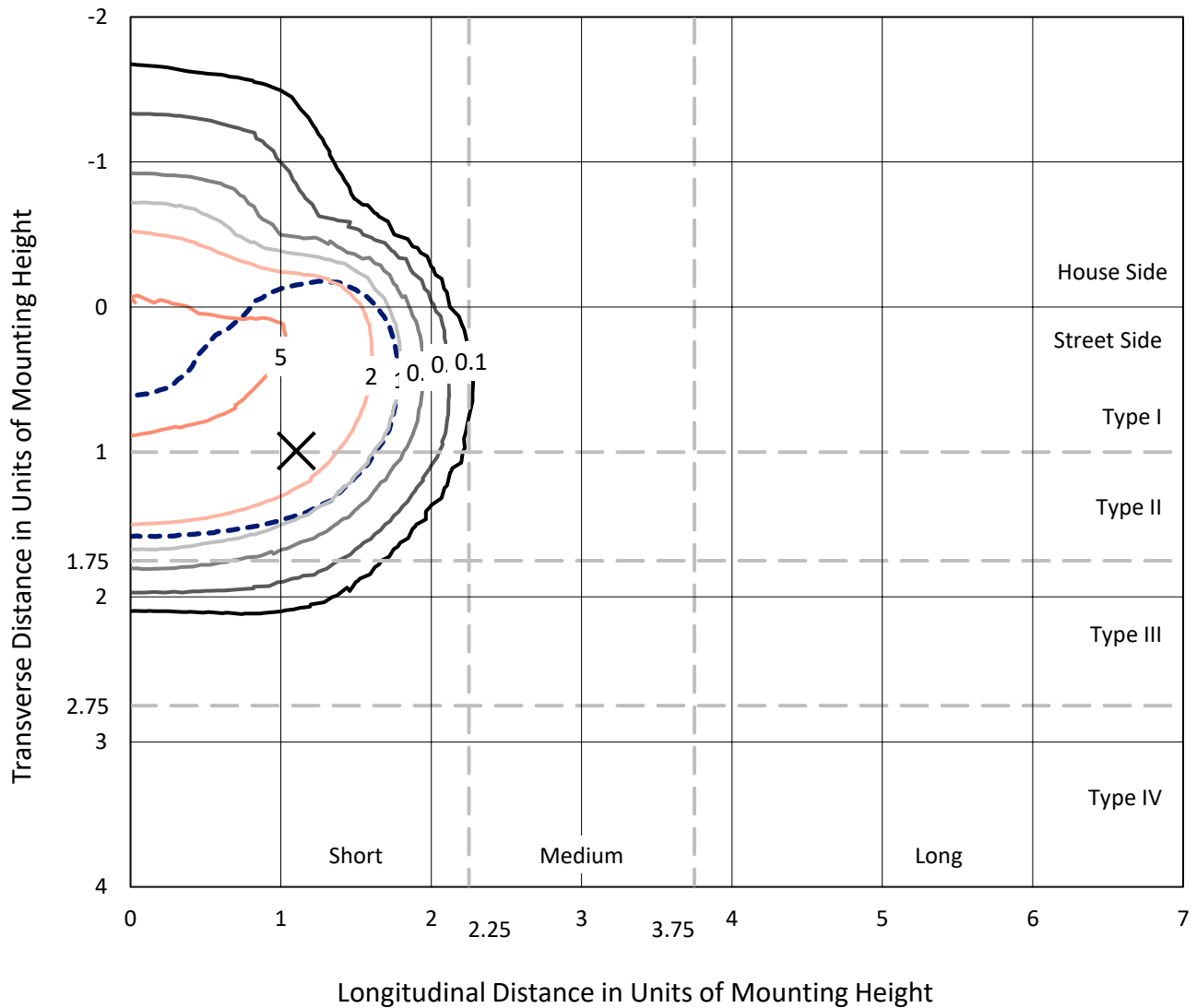
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529439
 CATALOG NUMBER: GLAN-SA4C-750-U-T3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

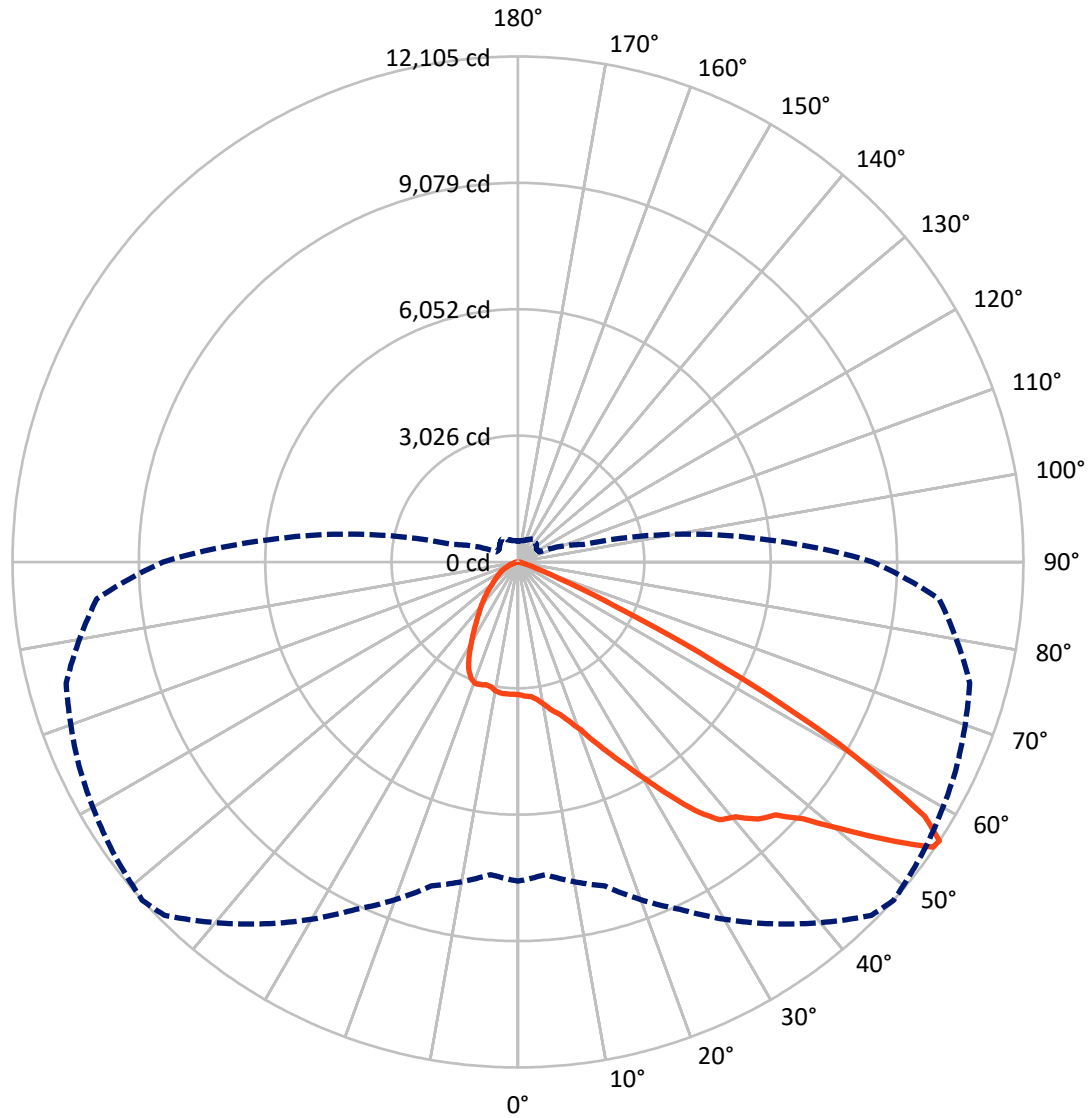
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Short - N/A

REPORT NUMBER: P529439
CATALOG NUMBER: GLAN-SA4C-750-U-T3-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P529439
 CATALOG NUMBER: GLAN-SA4C-750-U-T3-GRSBK

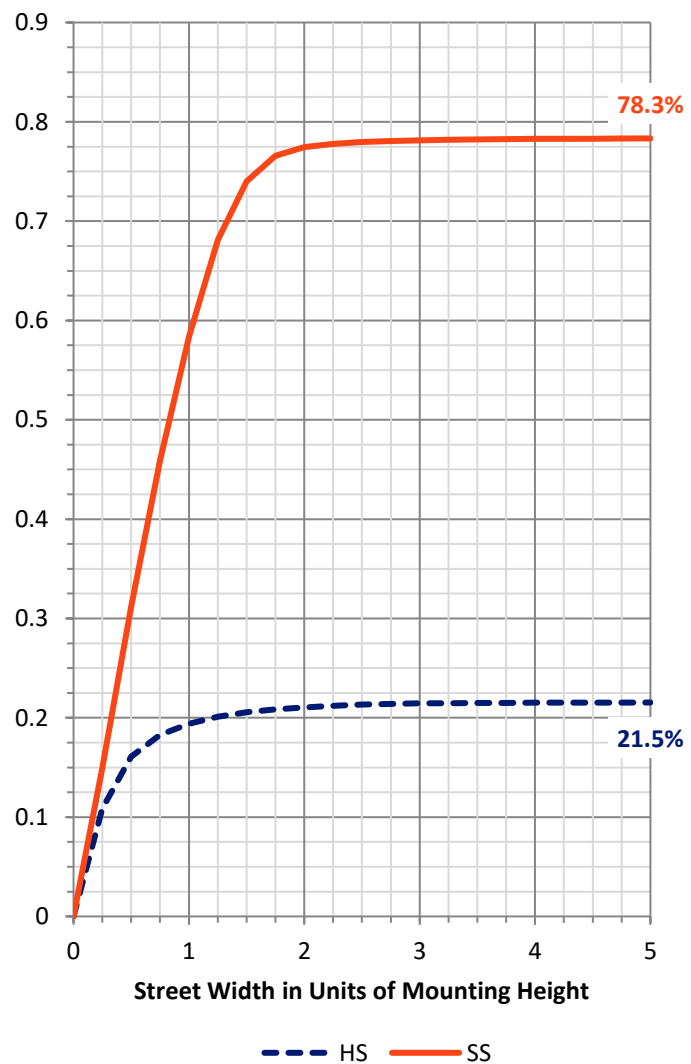
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3611.9 | 0.0 | 3611.9 |
| | % Fixture | 21.7 | 0.0 | 21.7 |
| Street Side | Lumens | 12996.1 | 0.0 | 12996.1 |
| | % Fixture | 78.3 | 0.0 | 78.3 |
| Total | Lumens | 16608.0 | 0.0 | 16608.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 309.0 | 1.9 |
| 10°-20° | 987.5 | 5.9 |
| 20°-30° | 1791.1 | 10.8 |
| 30°-40° | 2813.5 | 16.9 |
| 40°-50° | 4104.4 | 24.7 |
| 50°-60° | 4945.1 | 29.8 |
| 60°-70° | 1447.9 | 8.7 |
| 70°-80° | 183.7 | 1.1 |
| 80°-90° | 25.8 | 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° | 16608.0 | 100.0 |
| 0°-180° | 16608.0 | 100.0 |

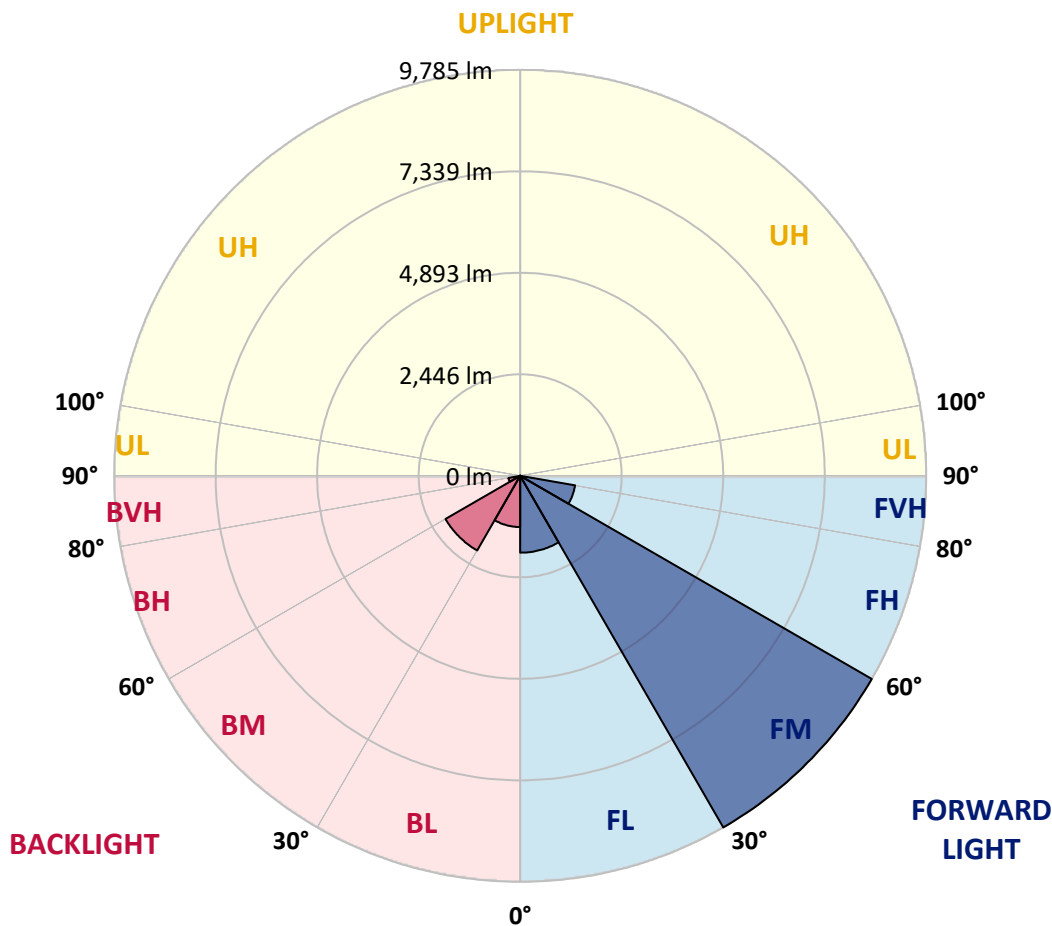


REPORT NUMBER: P529439
 CATALOG NUMBER: GLAN-SA4C-750-U-T3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1853.1 | 11.2 | | | |
| FM (30°-60°) | 9785.5 | 58.9 | | | |
| FH (60°-80°) | 1344.5 | 8.1 | | | G1/1800 |
| FVH (80°-90°) | 12.9 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1234.5 | 7.4 | B3/2500 | | |
| BM (30°-60°) | 2077.6 | 12.5 | B2/2500 | | |
| BH (60°-80°) | 287.0 | 1.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 12.8 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G1
 Type II Short





REPORT NUMBER: P529439

CATALOG NUMBER: GLAN-SA4C-750-U-T3-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 48° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 3172.1 | 3172.1 | 3172.1 | 3172.1 | 3172.1 | 3172.1 | 3172.1 | 3172.1 | 3172.1 | 3172.1 | 3172.1 |
| 2.5° | 3229.6 | 3214.5 | 3214.5 | 3190.3 | 3217.5 | 3205.4 | 3214.5 | 3184.2 | 3214.5 | 3169.1 | 3205.4 |
| 5° | 3244.7 | 3247.7 | 3235.6 | 3250.8 | 3250.8 | 3268.9 | 3238.7 | 3265.9 | 3281.0 | 3247.7 | 3232.6 |
| 7.5° | 3323.3 | 3329.4 | 3326.4 | 3314.3 | 3338.5 | 3335.4 | 3332.4 | 3311.2 | 3317.3 | 3305.2 | 3287.0 |
| 10° | 3477.6 | 3474.5 | 3489.7 | 3459.4 | 3441.3 | 3462.4 | 3468.5 | 3435.2 | 3411.0 | 3402.0 | 3344.5 |
| 12.5° | 3701.3 | 3665.0 | 3643.9 | 3613.6 | 3622.7 | 3592.5 | 3646.9 | 3589.4 | 3577.3 | 3522.9 | 3465.5 |
| 15° | 3882.8 | 3876.7 | 3879.7 | 3831.4 | 3776.9 | 3789.0 | 3789.0 | 3758.8 | 3740.6 | 3674.1 | 3592.5 |
| 17.5° | 4254.7 | 4127.7 | 4154.9 | 4094.4 | 4049.1 | 4046.1 | 4018.8 | 4024.9 | 3976.5 | 3837.4 | 3713.4 |
| 20° | 4545.0 | 4490.6 | 4448.2 | 4345.4 | 4275.9 | 4297.0 | 4285.0 | 4254.7 | 4239.6 | 4058.2 | 3882.8 |
| 22.5° | 4805.1 | 4823.2 | 4753.7 | 4726.5 | 4629.7 | 4638.8 | 4662.9 | 4635.7 | 4520.8 | 4333.3 | 4073.3 |
| 25° | 5171.0 | 5149.8 | 5056.1 | 5022.8 | 4932.1 | 4965.3 | 5059.1 | 5037.9 | 4965.3 | 4626.7 | 4221.4 |
| 27.5° | 5603.4 | 5530.8 | 5549.0 | 5397.8 | 5310.1 | 5403.8 | 5515.7 | 5621.5 | 5415.9 | 4971.4 | 4396.8 |
| 30° | 5908.8 | 5833.2 | 5827.2 | 5821.1 | 5800.0 | 5908.8 | 6038.9 | 6135.6 | 5969.3 | 5316.1 | 4687.1 |
| 32.5° | 6060.0 | 6078.2 | 6129.6 | 6111.4 | 6295.9 | 6519.7 | 6655.7 | 6794.8 | 6586.2 | 5878.6 | 5071.2 |
| 35° | 6462.2 | 6347.3 | 6462.2 | 6474.3 | 6664.8 | 7139.6 | 7311.9 | 7644.6 | 7593.2 | 6673.9 | 5539.9 |
| 37.5° | 6698.1 | 6689.0 | 6704.1 | 6819.0 | 7003.5 | 7590.1 | 7835.1 | 8092.1 | 7995.4 | 7151.7 | 6123.5 |
| 40° | 7088.2 | 7112.4 | 7109.3 | 7197.0 | 7399.6 | 7928.8 | 8028.6 | 8237.3 | 8246.3 | 7813.9 | 6982.3 |
| 42.5° | 7714.1 | 7617.4 | 7553.9 | 7644.6 | 7928.8 | 8222.2 | 8421.7 | 8379.4 | 8678.8 | 8618.3 | 8086.1 |
| 45° | 8276.6 | 8334.0 | 8240.3 | 8391.5 | 8494.3 | 8651.6 | 8645.5 | 8736.2 | 9117.2 | 9404.5 | 8917.7 |
| 47.5° | 8802.8 | 8839.0 | 8884.4 | 8987.2 | 9211.0 | 9235.2 | 9183.8 | 9144.5 | 9670.6 | 9967.0 | 9561.8 |
| 50° | 9117.2 | 9150.5 | 9362.2 | 9546.6 | 9964.0 | 10018.4 | 10048.6 | 9948.8 | 10305.7 | 10338.9 | 10169.6 |
| 52.5° | 9032.6 | 9068.9 | 9365.2 | 9973.0 | 10638.3 | 11137.2 | 11046.5 | 10877.2 | 10856.0 | 10986.1 | 10732.0 |
| 55° | 8282.6 | 8249.4 | 8657.6 | 9604.1 | 10850.0 | 12047.5 | 12059.6 | 11881.1 | 11539.4 | 11451.7 | 10647.4 |
| 56° | 7644.6 | 7514.5 | 8034.7 | 9177.7 | 10577.8 | 11968.8 | 12104.9 | 11914.4 | 11593.9 | 11200.8 | 10124.2 |
| 57.5° | 6262.6 | 6386.6 | 6903.7 | 7850.2 | 9637.4 | 11403.4 | 11482.0 | 11436.6 | 11194.7 | 10535.5 | 8908.6 |
| 60° | 3453.4 | 3671.1 | 4127.7 | 5285.9 | 6861.4 | 8751.3 | 8814.8 | 9183.8 | 9229.1 | 8067.9 | 6129.6 |
| 62.5° | 1466.6 | 1442.4 | 1917.2 | 2769.9 | 3907.0 | 5282.9 | 5400.8 | 5778.8 | 5848.3 | 4650.9 | 3075.4 |
| 65° | 595.7 | 629.0 | 867.9 | 1394.0 | 2065.4 | 2407.1 | 2573.4 | 2697.4 | 2927.2 | 1920.2 | 1134.0 |
| 67.5° | 393.1 | 390.1 | 511.0 | 795.3 | 1112.8 | 1073.5 | 1073.5 | 1134.0 | 1049.3 | 783.2 | 489.9 |
| 70° | 281.2 | 290.3 | 365.9 | 550.4 | 692.5 | 514.1 | 492.9 | 471.7 | 535.2 | 517.1 | 396.1 |
| 72.5° | 184.5 | 196.6 | 244.9 | 329.6 | 359.9 | 281.2 | 281.2 | 338.7 | 441.5 | 417.3 | 323.6 |
| 75° | 121.0 | 124.0 | 151.2 | 190.5 | 178.4 | 145.2 | 160.3 | 226.8 | 320.5 | 308.4 | 229.8 |
| 77.5° | 81.6 | 84.7 | 102.8 | 124.0 | 99.8 | 81.6 | 87.7 | 114.9 | 157.2 | 157.2 | 121.0 |
| 80° | 30.2 | 33.3 | 42.3 | 39.3 | 45.4 | 57.5 | 63.5 | 78.6 | 93.7 | 93.7 | 81.6 |
| 82.5° | 0.0 | 3.0 | 9.1 | 21.2 | 33.3 | 45.4 | 51.4 | 60.5 | 69.6 | 78.6 | 75.6 |
| 85° | 0.0 | 3.0 | 9.1 | 15.1 | 24.2 | 27.2 | 30.2 | 21.2 | 18.1 | 18.1 | 15.1 |
| 87.5° | 0.0 | 0.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 6.0 | 3.0 | 3.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P529439

CATALOG NUMBER: GLAN-SA4C-750-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3172.1 | 3172.1 | 3172.1 | 3172.1 | 3172.1 | 3172.1 | 3172.1 | 3172.1 | 3172.1 | 3172.1 | 3172.1 |
| 2.5° | 3172.1 | 3169.1 | 3169.1 | 3160.0 | 3178.2 | 3169.1 | 3175.2 | 3172.1 | 3132.8 | 3163.1 | 3141.9 |
| 5° | 3205.4 | 3226.6 | 3193.3 | 3187.3 | 3163.1 | 3172.1 | 3172.1 | 3141.9 | 3169.1 | 3166.1 | 3160.0 |
| 7.5° | 3290.1 | 3253.8 | 3217.5 | 3181.2 | 3175.2 | 3166.1 | 3132.8 | 3120.7 | 3141.9 | 3117.7 | 3154.0 |
| 10° | 3326.4 | 3332.4 | 3278.0 | 3229.6 | 3184.2 | 3120.7 | 3075.4 | 3048.2 | 3014.9 | 3051.2 | 3072.3 |
| 12.5° | 3492.7 | 3432.2 | 3338.5 | 3262.9 | 3108.6 | 3045.1 | 2999.8 | 2987.7 | 3045.1 | 3057.2 | 3036.1 |
| 15° | 3550.1 | 3541.1 | 3420.1 | 3250.8 | 3090.5 | 3014.9 | 3024.0 | 2999.8 | 3005.8 | 2975.6 | 2981.6 |
| 17.5° | 3668.1 | 3565.3 | 3423.1 | 3211.4 | 3087.5 | 3069.3 | 3014.9 | 2918.1 | 2863.7 | 2839.5 | 2860.7 |
| 20° | 3798.1 | 3698.3 | 3492.7 | 3226.6 | 3114.7 | 3066.3 | 2887.9 | 2769.9 | 2658.1 | 2597.6 | 2600.6 |
| 22.5° | 3913.0 | 3789.0 | 3462.4 | 3232.6 | 3138.9 | 2939.3 | 2724.6 | 2491.7 | 2352.6 | 2258.9 | 2261.9 |
| 25° | 4052.1 | 3876.7 | 3474.5 | 3244.7 | 3075.4 | 2736.7 | 2428.2 | 2201.4 | 2035.1 | 1971.6 | 1992.8 |
| 27.5° | 4130.7 | 3931.1 | 3541.1 | 3271.9 | 2909.1 | 2449.4 | 2116.8 | 1905.1 | 1808.3 | 1778.1 | 1775.1 |
| 30° | 4366.6 | 4052.1 | 3622.7 | 3217.5 | 2630.8 | 2141.0 | 1832.5 | 1702.5 | 1608.7 | 1581.5 | 1587.6 |
| 32.5° | 4717.4 | 4272.9 | 3728.5 | 3075.4 | 2346.6 | 1865.8 | 1648.1 | 1551.3 | 1463.6 | 1412.2 | 1406.1 |
| 35° | 5010.7 | 4650.9 | 3840.4 | 2854.6 | 2017.0 | 1654.1 | 1518.0 | 1397.1 | 1264.0 | 1206.6 | 1191.4 |
| 37.5° | 5570.1 | 5077.2 | 3816.2 | 2522.0 | 1702.5 | 1496.9 | 1378.9 | 1230.8 | 1115.8 | 1037.2 | 1028.1 |
| 40° | 6314.0 | 5576.2 | 3698.3 | 2116.8 | 1469.6 | 1357.8 | 1230.8 | 1088.6 | 946.5 | 880.0 | 873.9 |
| 42.5° | 7218.2 | 6187.0 | 3483.6 | 1705.5 | 1236.8 | 1218.7 | 1103.7 | 940.5 | 813.4 | 765.1 | 768.1 |
| 45° | 7953.0 | 6710.2 | 3265.9 | 1369.9 | 1064.4 | 1082.6 | 982.8 | 828.6 | 740.9 | 701.6 | 701.6 |
| 47.5° | 8606.2 | 7064.0 | 3030.0 | 1131.0 | 904.2 | 946.5 | 858.8 | 768.1 | 692.5 | 662.2 | 656.2 |
| 50° | 9235.2 | 7423.8 | 2794.1 | 916.3 | 771.1 | 813.4 | 804.4 | 731.8 | 671.3 | 635.0 | 638.1 |
| 52.5° | 9628.3 | 7481.3 | 2494.8 | 749.9 | 674.3 | 722.7 | 753.0 | 686.4 | 619.9 | 598.7 | 592.7 |
| 55° | 9147.5 | 6740.4 | 1935.3 | 616.9 | 571.5 | 635.0 | 692.5 | 616.9 | 565.5 | 529.2 | 526.2 |
| 56° | 8500.4 | 6026.8 | 1617.8 | 568.5 | 541.3 | 610.8 | 671.3 | 589.7 | 532.2 | 511.0 | 495.9 |
| 57.5° | 7197.0 | 4932.1 | 1194.5 | 505.0 | 502.0 | 568.5 | 638.1 | 562.5 | 495.9 | 477.8 | 477.8 |
| 60° | 4487.6 | 2776.0 | 722.7 | 423.4 | 435.5 | 505.0 | 574.6 | 502.0 | 441.5 | 441.5 | 450.6 |
| 62.5° | 2044.2 | 1155.2 | 438.5 | 359.9 | 375.0 | 435.5 | 511.0 | 453.6 | 420.3 | 453.6 | 459.6 |
| 65° | 695.5 | 499.0 | 317.5 | 287.3 | 296.3 | 359.9 | 438.5 | 459.6 | 456.6 | 477.8 | 489.9 |
| 67.5° | 390.1 | 320.5 | 266.1 | 238.9 | 232.8 | 266.1 | 359.9 | 459.6 | 441.5 | 432.4 | 438.5 |
| 70° | 329.6 | 272.2 | 235.9 | 211.7 | 202.6 | 214.7 | 278.2 | 347.8 | 311.5 | 302.4 | 296.3 |
| 72.5° | 266.1 | 226.8 | 205.6 | 190.5 | 163.3 | 139.1 | 127.0 | 133.1 | 148.2 | 157.2 | 172.4 |
| 75° | 187.5 | 172.4 | 172.4 | 154.2 | 117.9 | 87.7 | 69.6 | 57.5 | 39.3 | 27.2 | 30.2 |
| 77.5° | 105.8 | 105.8 | 108.9 | 93.7 | 75.6 | 57.5 | 42.3 | 30.2 | 15.1 | 6.0 | 3.0 |
| 80° | 72.6 | 78.6 | 84.7 | 75.6 | 63.5 | 51.4 | 36.3 | 21.2 | 9.1 | 0.0 | 0.0 |
| 82.5° | 72.6 | 81.6 | 87.7 | 75.6 | 63.5 | 48.4 | 36.3 | 21.2 | 9.1 | 3.0 | 0.0 |
| 85° | 15.1 | 18.1 | 21.2 | 24.2 | 36.3 | 36.3 | 27.2 | 18.1 | 9.1 | 3.0 | 0.0 |
| 87.5° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 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 |

(END OF REPORT)