

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: P529440

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
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-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23712 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

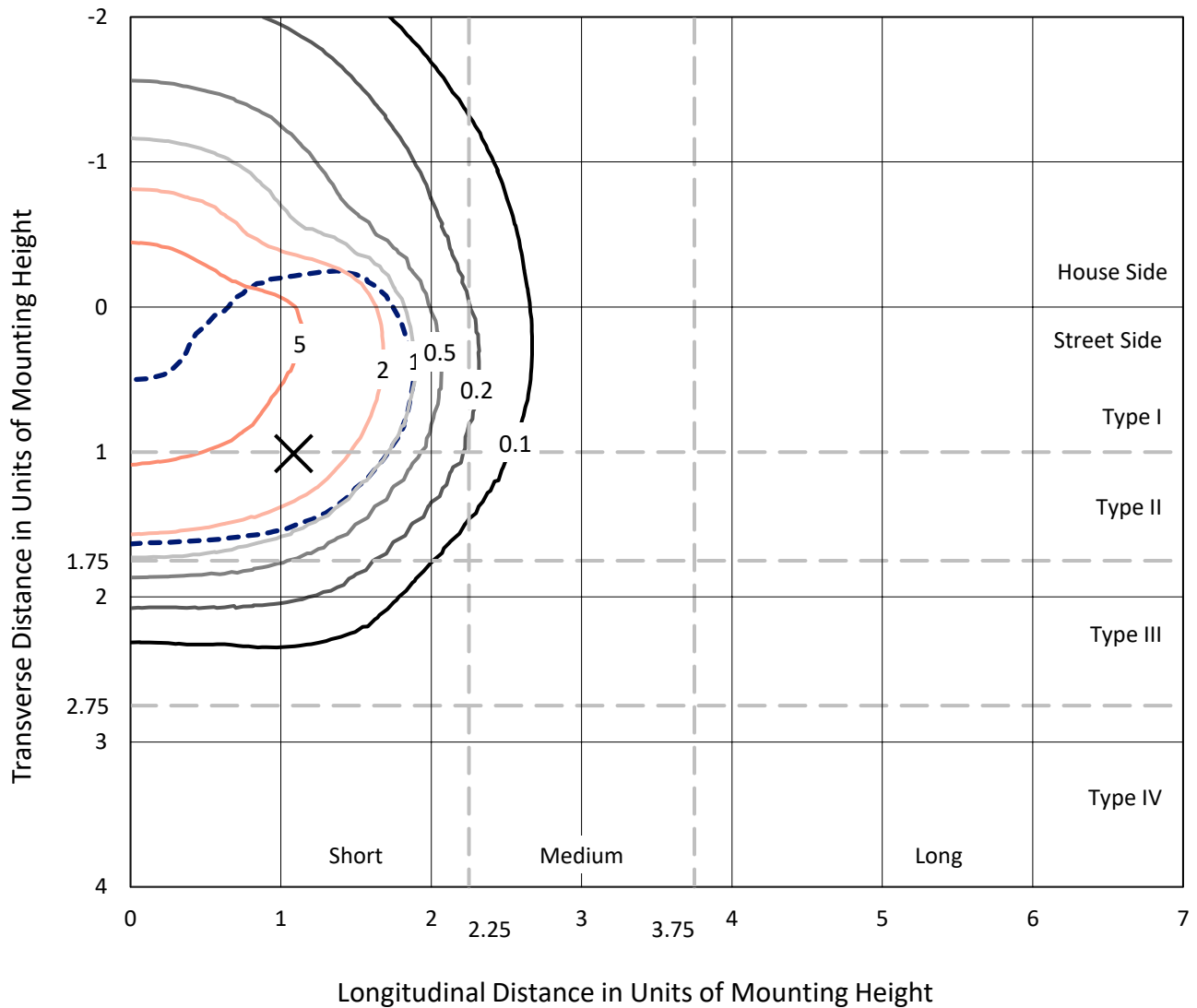
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529440
 CATALOG NUMBER: GLAN-SA4C-750-U-T3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

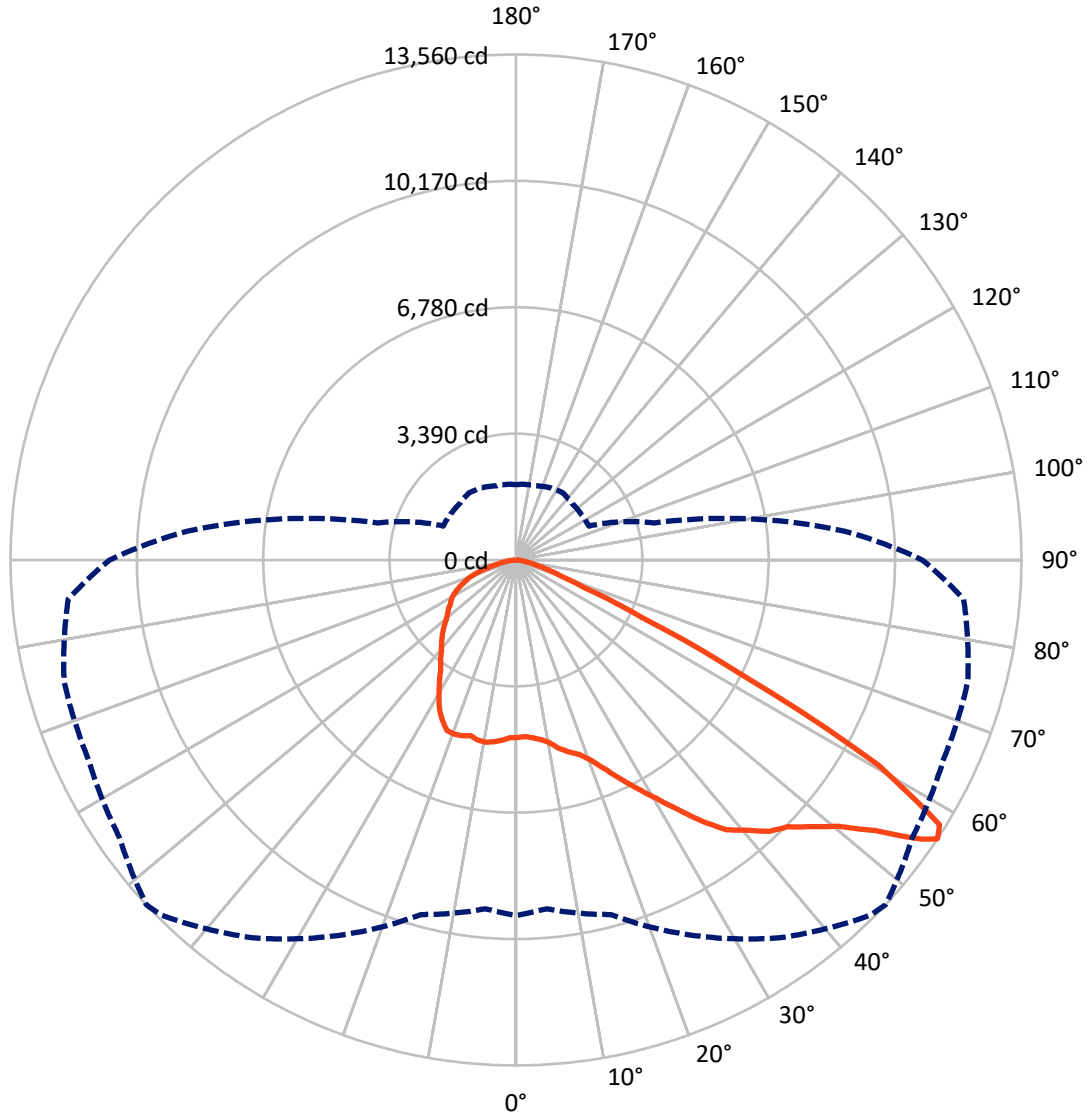
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type II - Short - N/A

REPORT NUMBER: P529440
CATALOG NUMBER: GLAN-SA4C-750-U-T3-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P529440
 CATALOG NUMBER: GLAN-SA4C-750-U-T3-GRSWH

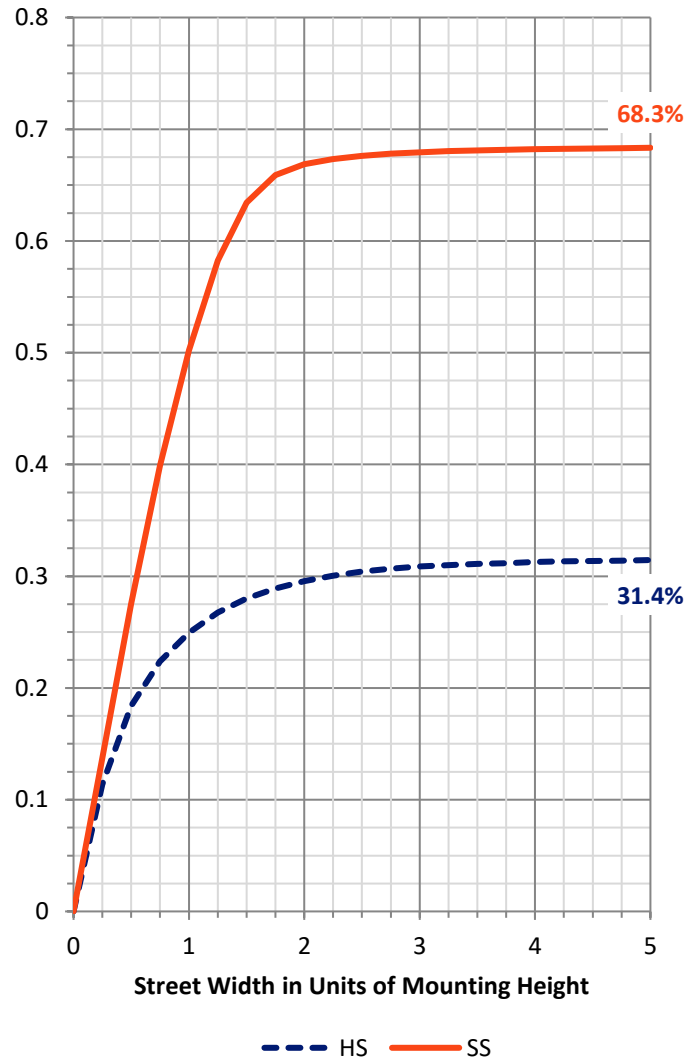
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7514.1 | 0.0 | 7514.1 |
| | % Fixture | 31.7 | 0.0 | 31.7 |
| Street Side | Lumens | 16197.9 | 0.0 | 16197.9 |
| | % Fixture | 68.3 | 0.0 | 68.3 |
| Total | Lumens | 23712.0 | 0.0 | 23712.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 464.1 | 2.0 |
| 10°-20° | 1464.0 | 6.2 |
| 20°-30° | 2588.0 | 10.9 |
| 30°-40° | 3887.0 | 16.4 |
| 40°-50° | 5334.6 | 22.5 |
| 50°-60° | 6355.4 | 26.8 |
| 60°-70° | 2719.7 | 11.5 |
| 70°-80° | 769.7 | 3.2 |
| 80°-90° | 129.5 | 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° | 23712.0 | 100.0 |
| 0°-180° | 23712.0 | 100.0 |

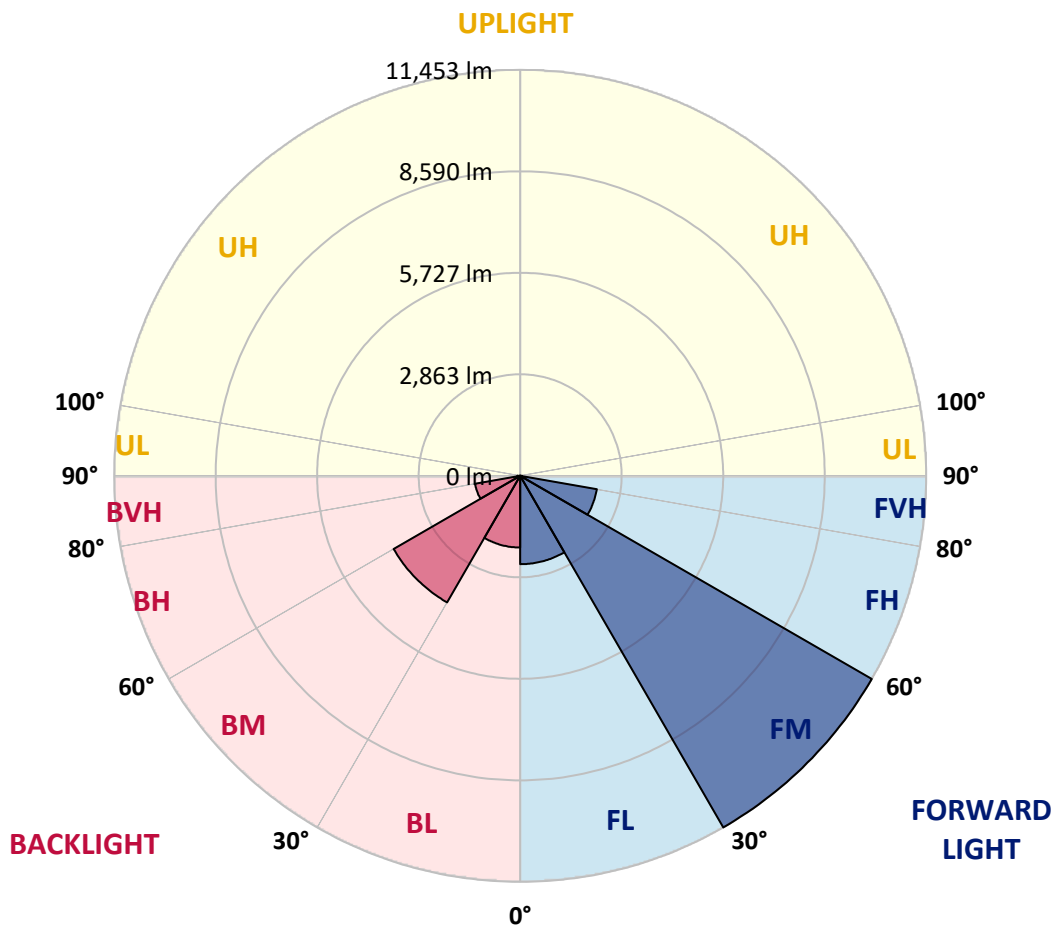


REPORT NUMBER: P529440
 CATALOG NUMBER: GLAN-SA4C-750-U-T3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2492.9 | 10.5 | | | |
| FM (30°-60°) | 11453.4 | 48.3 | | | |
| FH (60°-80°) | 2196.6 | 9.3 | | | G2/5000 |
| FVH (80°-90°) | 55.0 | 0.2 | | | G1/100 |
| BL (0°-30°) | 2023.1 | 8.5 | B3/2500 | | |
| BM (30°-60°) | 4123.6 | 17.4 | B3/5000 | | |
| BH (60°-80°) | 1292.8 | 5.5 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 74.5 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3
 Type II Short





REPORT NUMBER: P529440

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

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 47° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4763.0 | 4763.0 | 4763.0 | 4763.0 | 4763.0 | 4763.0 | 4763.0 | 4763.0 | 4763.0 | 4763.0 | 4763.0 |
| 2.5° | 4744.9 | 4735.8 | 4729.8 | 4778.1 | 4760.0 | 4763.0 | 4744.9 | 4763.0 | 4775.1 | 4747.9 | 4787.2 |
| 5° | 4735.8 | 4763.0 | 4738.8 | 4753.9 | 4793.3 | 4781.2 | 4793.3 | 4829.6 | 4820.5 | 4811.4 | 4799.3 |
| 7.5° | 4820.5 | 4823.5 | 4841.6 | 4847.7 | 4859.8 | 4847.7 | 4865.8 | 4899.1 | 4890.0 | 4838.6 | 4844.7 |
| 10° | 4941.4 | 4947.5 | 4950.5 | 4983.8 | 5005.0 | 5008.0 | 4986.8 | 4956.6 | 4953.5 | 5023.1 | 4974.7 |
| 12.5° | 5080.6 | 5065.4 | 5101.7 | 5113.8 | 5138.0 | 5165.2 | 5192.4 | 5128.9 | 5168.3 | 5171.3 | 5113.8 |
| 15° | 5283.2 | 5298.3 | 5256.0 | 5256.0 | 5265.0 | 5268.1 | 5343.7 | 5313.4 | 5307.4 | 5274.1 | 5298.3 |
| 17.5° | 5585.6 | 5482.8 | 5479.7 | 5437.4 | 5431.4 | 5455.5 | 5482.8 | 5507.0 | 5588.6 | 5522.1 | 5392.0 |
| 20° | 5806.3 | 5830.5 | 5742.8 | 5691.4 | 5700.5 | 5754.9 | 5727.7 | 5836.6 | 5894.0 | 5785.2 | 5658.2 |
| 22.5° | 6196.5 | 6114.8 | 6136.0 | 6021.1 | 6030.1 | 6087.6 | 6084.6 | 6196.5 | 6229.7 | 6057.4 | 5872.9 |
| 25° | 6459.6 | 6438.4 | 6456.5 | 6365.8 | 6377.9 | 6423.3 | 6495.9 | 6680.3 | 6625.9 | 6435.4 | 6009.0 |
| 27.5° | 6843.6 | 6801.3 | 6786.2 | 6752.9 | 6740.8 | 6861.8 | 6946.4 | 7143.0 | 7103.7 | 6825.5 | 6250.9 |
| 30° | 7236.8 | 7209.5 | 7224.7 | 7088.6 | 7137.0 | 7394.0 | 7418.2 | 7687.4 | 7669.2 | 7179.3 | 6520.0 |
| 32.5° | 7508.9 | 7524.1 | 7551.3 | 7475.7 | 7690.4 | 7896.0 | 7977.7 | 8283.1 | 8298.2 | 7787.2 | 7040.2 |
| 35° | 7947.4 | 7896.0 | 7911.2 | 7998.9 | 8098.6 | 8473.6 | 8606.7 | 8809.3 | 8936.3 | 8425.3 | 7539.2 |
| 37.5° | 8222.6 | 8277.1 | 8213.6 | 8352.7 | 8612.8 | 9063.3 | 9184.3 | 9393.0 | 9526.0 | 9054.3 | 8219.6 |
| 40° | 8652.1 | 8564.4 | 8609.7 | 8709.5 | 8975.6 | 9562.3 | 9529.1 | 9743.8 | 9786.1 | 9589.5 | 8854.7 |
| 42.5° | 9114.8 | 9072.4 | 9008.9 | 9235.7 | 9459.5 | 9885.9 | 9952.4 | 9852.6 | 10067.4 | 10112.7 | 9761.9 |
| 45° | 9668.2 | 9719.6 | 9728.7 | 9734.7 | 9931.3 | 10303.2 | 10212.5 | 10124.8 | 10372.8 | 10702.4 | 10324.4 |
| 47.5° | 10182.3 | 10019.0 | 10136.9 | 10300.2 | 10578.4 | 10581.5 | 10687.3 | 10478.6 | 10741.7 | 11035.1 | 10832.5 |
| 50° | 10354.7 | 10276.0 | 10433.3 | 10741.7 | 11171.2 | 11216.5 | 11228.6 | 10932.3 | 11068.4 | 11301.2 | 11007.9 |
| 52.5° | 10288.1 | 10260.9 | 10663.1 | 11140.9 | 11770.0 | 11999.8 | 12060.3 | 11694.3 | 11770.0 | 11664.1 | 11395.0 |
| 55° | 9970.6 | 10052.2 | 10457.5 | 11431.2 | 12395.9 | 13106.6 | 13221.5 | 12758.8 | 12278.0 | 12359.7 | 12063.3 |
| 56° | 9535.1 | 9393.0 | 9846.6 | 11101.6 | 12368.7 | 13466.5 | 13560.2 | 12982.6 | 12656.0 | 12550.2 | 12057.2 |
| 57.5° | 8089.6 | 7905.1 | 8500.9 | 9988.7 | 11682.3 | 13330.4 | 13400.0 | 13076.4 | 12592.5 | 12377.8 | 11177.2 |
| 60° | 4735.8 | 4826.5 | 5582.6 | 6889.0 | 9011.9 | 10929.2 | 11162.1 | 11398.0 | 11074.4 | 10112.7 | 8319.4 |
| 62.5° | 2286.2 | 2228.8 | 2770.1 | 3949.5 | 5491.8 | 6976.7 | 6907.1 | 7569.4 | 7932.3 | 7185.4 | 5252.9 |
| 65° | 1197.6 | 1191.5 | 1512.1 | 2156.2 | 3018.1 | 3665.3 | 3728.8 | 4085.6 | 4584.6 | 3701.5 | 2667.3 |
| 67.5° | 880.0 | 904.2 | 1064.5 | 1515.1 | 1941.5 | 1980.8 | 1971.7 | 2150.2 | 2198.5 | 1859.8 | 1639.1 |
| 70° | 689.5 | 701.6 | 819.5 | 1152.2 | 1445.5 | 1294.3 | 1267.1 | 1288.3 | 1430.4 | 1490.9 | 1418.3 |
| 72.5° | 499.0 | 511.1 | 610.9 | 777.2 | 904.2 | 883.0 | 901.2 | 1019.1 | 1194.5 | 1258.0 | 1182.4 |
| 75° | 332.7 | 341.7 | 396.2 | 474.8 | 535.3 | 577.6 | 610.9 | 747.0 | 910.3 | 946.6 | 910.3 |
| 77.5° | 229.8 | 238.9 | 275.2 | 335.7 | 341.7 | 368.9 | 381.0 | 444.5 | 544.3 | 589.7 | 565.5 |
| 80° | 130.0 | 130.0 | 148.2 | 172.4 | 211.7 | 248.0 | 254.0 | 305.4 | 350.8 | 381.0 | 387.1 |
| 82.5° | 60.5 | 63.5 | 78.6 | 105.8 | 139.1 | 172.4 | 178.4 | 211.7 | 245.0 | 275.2 | 284.3 |
| 85° | 30.2 | 33.3 | 45.4 | 63.5 | 84.7 | 102.8 | 99.8 | 102.8 | 108.9 | 102.8 | 105.8 |
| 87.5° | 9.1 | 9.1 | 12.1 | 15.1 | 12.1 | 15.1 | 15.1 | 18.1 | 21.2 | 24.2 | 27.2 |
| 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: P529440

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

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4763.0 | 4763.0 | 4763.0 | 4763.0 | 4763.0 | 4763.0 | 4763.0 | 4763.0 | 4763.0 | 4763.0 | 4763.0 |
| 2.5° | 4790.2 | 4799.3 | 4738.8 | 4796.3 | 4775.1 | 4772.1 | 4814.4 | 4808.4 | 4823.5 | 4817.5 | 4781.2 |
| 5° | 4793.3 | 4772.1 | 4835.6 | 4778.1 | 4805.4 | 4862.8 | 4823.5 | 4914.2 | 4868.9 | 4899.1 | 4832.6 |
| 7.5° | 4887.0 | 4893.1 | 4881.0 | 4905.2 | 4893.1 | 4920.3 | 4899.1 | 4920.3 | 4884.0 | 4887.0 | 4947.5 |
| 10° | 4968.7 | 4950.5 | 4971.7 | 4941.4 | 4962.6 | 4953.5 | 4905.2 | 4890.0 | 4902.1 | 4887.0 | 4926.3 |
| 12.5° | 5119.9 | 5086.6 | 5071.5 | 5035.2 | 5011.0 | 4920.3 | 4844.7 | 4802.3 | 4859.8 | 4868.9 | 4850.7 |
| 15° | 5274.1 | 5277.1 | 5207.6 | 5125.9 | 4974.7 | 4838.6 | 4856.8 | 4871.9 | 4871.9 | 4896.1 | 4850.7 |
| 17.5° | 5370.9 | 5370.9 | 5307.4 | 5144.1 | 4989.8 | 4911.2 | 4893.1 | 4844.7 | 4802.3 | 4796.3 | 4793.3 |
| 20° | 5540.2 | 5488.8 | 5343.7 | 5141.0 | 4983.8 | 4947.5 | 4811.4 | 4696.5 | 4608.8 | 4578.5 | 4575.5 |
| 22.5° | 5733.8 | 5603.7 | 5401.1 | 5147.1 | 4974.7 | 4923.3 | 4669.3 | 4496.9 | 4339.6 | 4273.1 | 4282.2 |
| 25° | 5912.2 | 5703.5 | 5434.4 | 5119.9 | 4941.4 | 4693.5 | 4409.2 | 4170.3 | 4007.0 | 3952.6 | 3925.3 |
| 27.5° | 6036.2 | 5809.4 | 5434.4 | 5144.1 | 4817.5 | 4436.4 | 4146.1 | 3840.7 | 3698.5 | 3662.2 | 3668.3 |
| 30° | 6202.5 | 5942.4 | 5528.1 | 5092.7 | 4569.5 | 4103.8 | 3756.0 | 3556.4 | 3471.7 | 3441.5 | 3462.6 |
| 32.5° | 6592.6 | 6290.2 | 5658.2 | 4968.7 | 4276.1 | 3771.1 | 3489.9 | 3378.0 | 3254.0 | 3193.5 | 3172.3 |
| 35° | 7016.0 | 6619.8 | 5785.2 | 4760.0 | 3946.5 | 3468.7 | 3293.3 | 3190.5 | 3042.3 | 2975.8 | 2987.9 |
| 37.5° | 7614.8 | 7043.2 | 5794.3 | 4415.2 | 3589.7 | 3299.3 | 3139.1 | 2978.8 | 2857.8 | 2755.0 | 2724.8 |
| 40° | 8422.2 | 7620.8 | 5773.1 | 4052.3 | 3302.4 | 3099.7 | 2981.8 | 2782.2 | 2646.1 | 2573.5 | 2588.7 |
| 42.5° | 9132.9 | 8298.2 | 5685.4 | 3641.1 | 3042.3 | 2963.7 | 2830.6 | 2634.0 | 2501.0 | 2425.4 | 2419.3 |
| 45° | 9731.7 | 8797.2 | 5519.1 | 3290.3 | 2824.5 | 2812.5 | 2658.2 | 2507.0 | 2401.2 | 2331.6 | 2361.9 |
| 47.5° | 10285.1 | 9199.4 | 5268.1 | 2939.5 | 2625.0 | 2649.1 | 2501.0 | 2407.2 | 2340.7 | 2277.2 | 2274.2 |
| 50° | 10484.7 | 9193.4 | 5047.3 | 2649.1 | 2464.7 | 2452.6 | 2446.5 | 2346.7 | 2277.2 | 2222.7 | 2246.9 |
| 52.5° | 10817.3 | 9296.2 | 4808.4 | 2449.6 | 2319.5 | 2322.5 | 2343.7 | 2271.1 | 2192.5 | 2159.2 | 2189.5 |
| 55° | 11295.2 | 9311.3 | 4282.2 | 2216.7 | 2198.5 | 2219.7 | 2219.7 | 2171.3 | 2104.8 | 2077.6 | 2062.5 |
| 56° | 10905.0 | 8860.7 | 3840.7 | 2156.2 | 2138.1 | 2138.1 | 2195.5 | 2141.1 | 2059.4 | 2038.3 | 2020.1 |
| 57.5° | 10058.3 | 7763.0 | 3214.7 | 2083.6 | 2056.4 | 2098.8 | 2129.0 | 2071.5 | 1995.9 | 1965.7 | 1983.8 |
| 60° | 6937.4 | 5252.9 | 2416.3 | 1926.4 | 1926.4 | 1995.9 | 2020.1 | 1935.4 | 1902.2 | 1899.2 | 1875.0 |
| 62.5° | 4049.3 | 3060.4 | 1890.1 | 1784.2 | 1790.3 | 1847.7 | 1865.9 | 1817.5 | 1775.2 | 1826.6 | 1850.8 |
| 65° | 2147.1 | 1826.6 | 1620.9 | 1633.0 | 1636.1 | 1681.4 | 1760.0 | 1757.0 | 1754.0 | 1769.1 | 1772.1 |
| 67.5° | 1554.4 | 1518.1 | 1472.8 | 1460.7 | 1466.7 | 1500.0 | 1578.6 | 1639.1 | 1636.1 | 1599.8 | 1572.6 |
| 70° | 1385.1 | 1333.6 | 1306.4 | 1309.5 | 1285.3 | 1324.6 | 1388.1 | 1427.4 | 1357.8 | 1315.5 | 1297.4 |
| 72.5° | 1152.2 | 1137.1 | 1118.9 | 1122.0 | 1073.6 | 1064.5 | 991.9 | 991.9 | 973.8 | 961.7 | 982.8 |
| 75° | 880.0 | 874.0 | 883.0 | 867.9 | 816.5 | 762.1 | 719.7 | 680.4 | 619.9 | 595.8 | 583.7 |
| 77.5° | 556.4 | 574.6 | 595.8 | 562.5 | 541.3 | 502.0 | 459.7 | 420.4 | 372.0 | 344.8 | 344.8 |
| 80° | 378.0 | 393.1 | 408.3 | 402.2 | 378.0 | 341.7 | 308.5 | 266.1 | 232.9 | 211.7 | 208.7 |
| 82.5° | 287.3 | 299.4 | 320.6 | 296.4 | 272.2 | 241.9 | 214.7 | 184.5 | 154.2 | 130.0 | 130.0 |
| 85° | 102.8 | 117.9 | 130.0 | 142.1 | 151.2 | 154.2 | 133.1 | 108.9 | 87.7 | 69.6 | 66.5 |
| 87.5° | 27.2 | 30.2 | 33.3 | 30.2 | 30.2 | 30.2 | 33.3 | 30.2 | 27.2 | 21.2 | 21.2 |
| 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)