

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: P457043

Luminaire Tested: **GLAN-SA8B-760-U-SL3**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8B-760-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45542 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 325
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

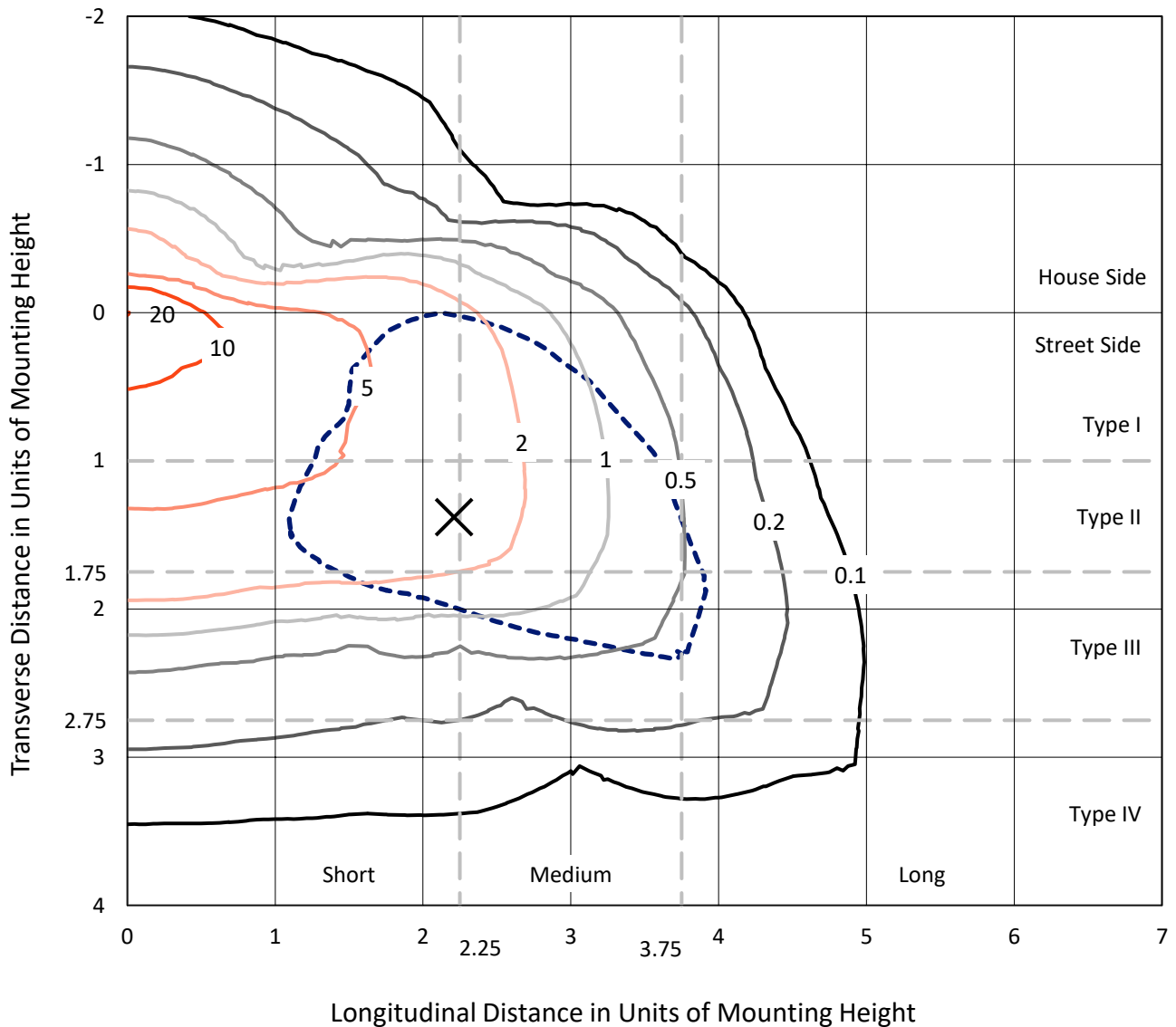




REPORT NUMBER: P457043
 CATALOG NUMBER: GLAN-SA8B-760-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

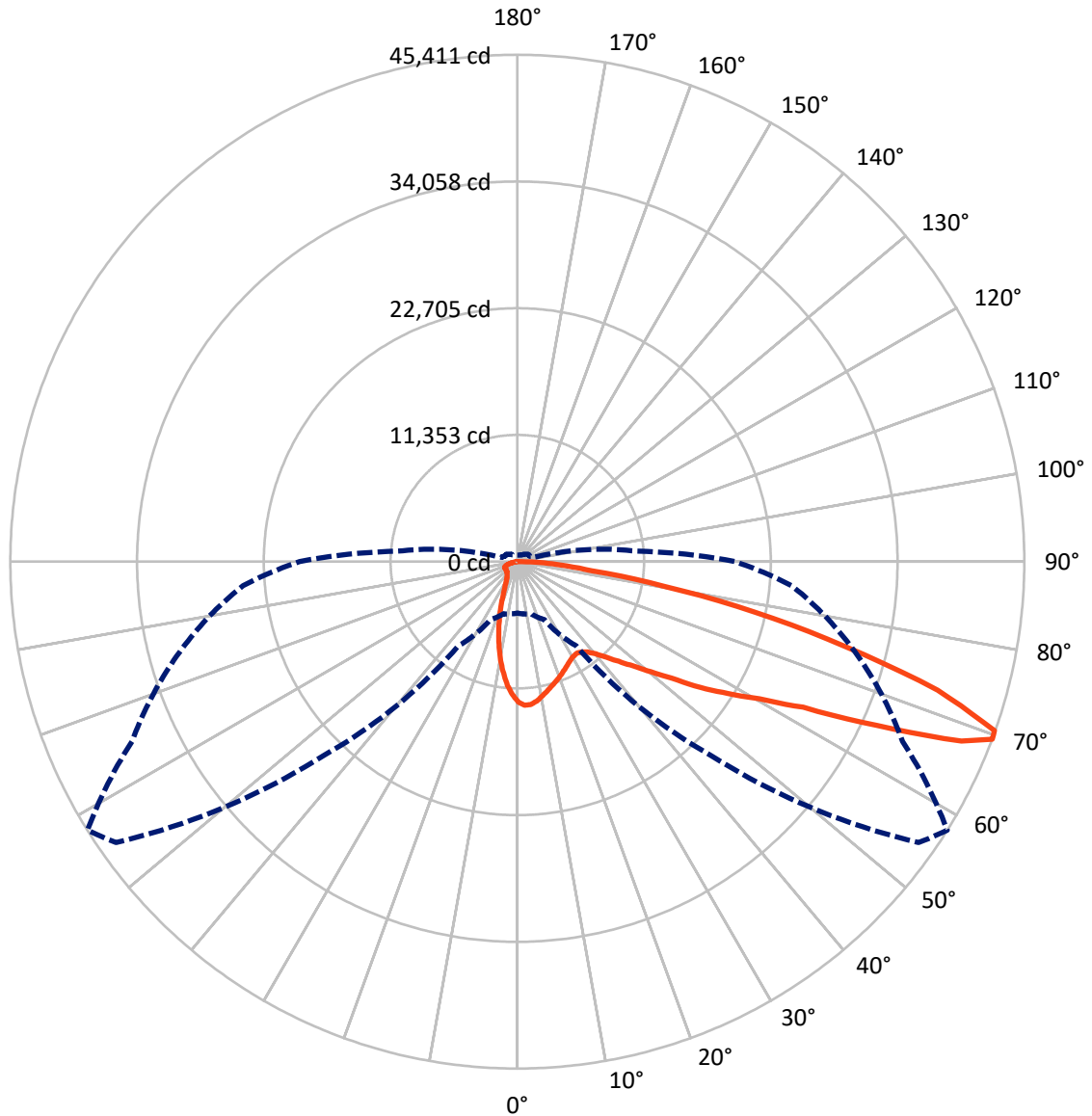
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.1 fc
 Type III - Short - N/A

REPORT NUMBER: P457043
CATALOG NUMBER: GLAN-SA8B-760-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P457043

CATALOG NUMBER: GLAN-SA8B-760-U-SL3

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6674.2 | 0.0 | 6674.2 |
| | % Fixture | 14.7 | 0.0 | 14.7 |
| Street Side | Lumens | 38867.8 | 0.0 | 38867.8 |
| | % Fixture | 85.3 | 0.0 | 85.3 |
| Total | Lumens | 45542.0 | 0.0 | 45542.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 1068.8 | 2.3 |
| 10°-20° | 2346.9 | 5.2 |
| 20°-30° | 3032.2 | 6.7 |
| 30°-40° | 3938.2 | 8.6 |
| 40°-50° | 5725.6 | 12.6 |
| 50°-60° | 9136.2 | 20.1 |
| 60°-70° | 12204.8 | 26.8 |
| 70°-80° | 7035.6 | 15.4 |
| 80°-90° | 1053.8 | 2.3 |
| 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° | 45542.0 | 100.0 |
| 0°-180° | 45542.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P457043

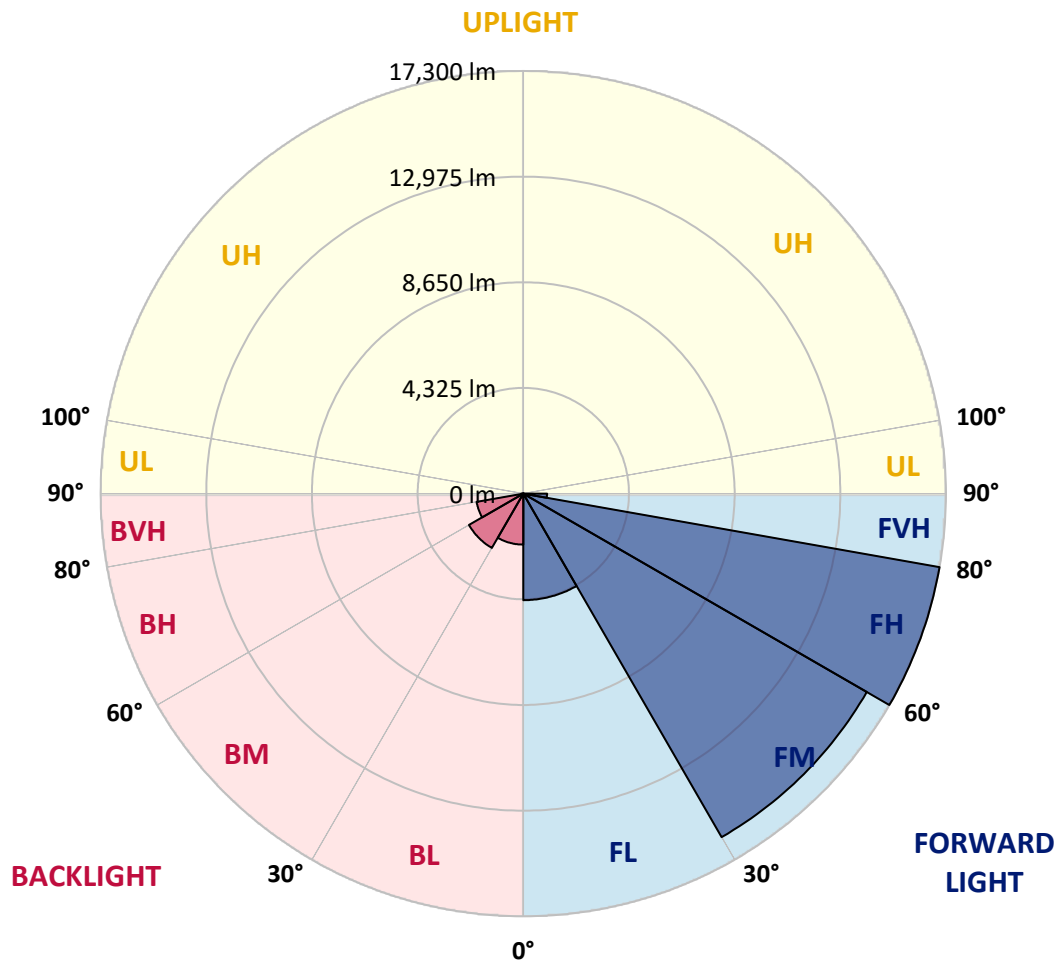
CATALOG NUMBER: GLAN-SA8B-760-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 4361.8 | 9.6 | | | |
| FM | (30°-60°) | 16233.4 | 35.6 | | | |
| FH | (60°-80°) | 17299.7 | 38.0 | | | G5 |
| FVH | (80°-90°) | 973.1 | 2.1 | | | G5 |
| BL | (0°-30°) | 2086.1 | 4.6 | B3/2500 | | |
| BM | (30°-60°) | 2566.7 | 5.6 | B3/5000 | | |
| BH | (60°-80°) | 1940.7 | 4.3 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 80.7 | 0.2 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5

Type III Short





REPORT NUMBER: P457043

CATALOG NUMBER: GLAN-SA8B-760-U-SL3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 58° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12585.1 | 12585.1 | 12585.1 | 12585.1 | 12585.1 | 12585.1 | 12585.1 | 12585.1 | 12585.1 | 12585.1 | 12585.1 |
| 2.5° | 13052.5 | 13088.0 | 13077.9 | 13065.2 | 13044.9 | 12989.0 | 12897.5 | 12882.3 | 12823.9 | 12699.4 | 12544.5 |
| 5° | 12851.8 | 12882.3 | 12884.8 | 12902.6 | 12928.0 | 12917.9 | 12851.8 | 12844.2 | 12757.9 | 12590.2 | 12331.2 |
| 7.5° | 12163.5 | 12204.2 | 12293.1 | 12392.1 | 12481.0 | 12564.8 | 12585.1 | 12597.8 | 12544.5 | 12351.5 | 12006.0 |
| 10° | 11388.9 | 11429.5 | 11470.1 | 11617.4 | 11835.9 | 12044.1 | 12216.9 | 12239.7 | 12252.4 | 12074.6 | 11653.0 |
| 12.5° | 10530.4 | 10614.2 | 10700.5 | 10919.0 | 11211.1 | 11538.7 | 11843.5 | 11891.8 | 11978.1 | 11843.5 | 11348.2 |
| 15° | 9801.4 | 9887.8 | 10012.2 | 10207.8 | 10560.9 | 11033.3 | 11462.5 | 11541.2 | 11711.4 | 11642.8 | 11063.7 |
| 17.5° | 9296.0 | 9326.5 | 9412.8 | 9636.3 | 10017.3 | 10515.1 | 11089.1 | 11246.6 | 11518.4 | 11500.6 | 10819.9 |
| 20° | 8897.2 | 8935.3 | 8988.7 | 9125.8 | 9522.0 | 10047.8 | 10741.2 | 10944.4 | 11312.7 | 11373.6 | 10578.6 |
| 22.5° | 8729.6 | 8757.5 | 8749.9 | 8823.6 | 9092.8 | 9621.1 | 10388.1 | 10629.4 | 11129.8 | 11287.3 | 10355.1 |
| 25° | 8739.8 | 8765.2 | 8727.1 | 8709.3 | 8869.3 | 9245.2 | 10019.9 | 10327.2 | 10982.5 | 11228.8 | 10151.9 |
| 27.5° | 8909.9 | 8927.7 | 8856.6 | 8785.5 | 8798.2 | 9011.5 | 9715.1 | 10055.4 | 10858.0 | 11254.2 | 9981.8 |
| 30° | 9138.5 | 9171.5 | 9125.8 | 9039.5 | 8945.5 | 8955.6 | 9519.5 | 9854.8 | 10799.6 | 11343.1 | 9900.5 |
| 32.5° | 9433.1 | 9463.6 | 9443.3 | 9374.7 | 9252.8 | 9118.2 | 9471.2 | 9781.1 | 10804.7 | 11523.5 | 9882.7 |
| 35° | 9743.0 | 9804.0 | 9837.0 | 9831.9 | 9732.8 | 9499.2 | 9661.7 | 9918.3 | 10926.6 | 11825.7 | 9986.8 |
| 37.5° | 10093.5 | 10144.3 | 10286.5 | 10378.0 | 10286.5 | 10014.8 | 10091.0 | 10268.8 | 11195.8 | 12262.6 | 10215.4 |
| 40° | 10433.9 | 10510.1 | 10718.3 | 11002.8 | 10967.2 | 10728.5 | 10746.3 | 10863.1 | 11670.8 | 12912.8 | 10662.4 |
| 42.5° | 10789.4 | 10880.9 | 11244.1 | 11665.7 | 11749.5 | 11564.1 | 11612.4 | 11716.5 | 12346.4 | 13814.4 | 11429.5 |
| 45° | 11246.6 | 11355.8 | 11802.9 | 12328.6 | 12658.8 | 12544.5 | 12681.7 | 12732.5 | 13250.6 | 14987.9 | 12440.4 |
| 47.5° | 11835.9 | 11962.9 | 12514.0 | 13169.3 | 13636.7 | 13740.8 | 13979.5 | 13949.1 | 14370.7 | 16377.2 | 13751.0 |
| 50° | 12829.0 | 12900.1 | 13420.8 | 14088.8 | 14731.3 | 15201.2 | 15460.3 | 15508.6 | 15760.0 | 17728.4 | 15216.5 |
| 52.5° | 14010.0 | 14073.5 | 14449.4 | 15033.6 | 15838.7 | 16834.4 | 17474.4 | 17317.0 | 17377.9 | 19374.3 | 16930.9 |
| 55° | 15338.4 | 15445.1 | 15683.8 | 16072.4 | 17116.3 | 18581.8 | 19867.0 | 19905.1 | 19229.5 | 20949.0 | 18574.2 |
| 57.5° | 16367.0 | 16547.4 | 16956.3 | 17510.0 | 18833.3 | 20524.8 | 22252.0 | 22277.4 | 21413.8 | 22630.4 | 20387.7 |
| 60° | 15848.9 | 16062.2 | 16996.9 | 18345.6 | 21086.1 | 23915.6 | 25101.7 | 24956.9 | 23539.7 | 24545.5 | 22599.9 |
| 62.5° | 13613.8 | 13651.9 | 15010.7 | 17118.8 | 21779.5 | 28451.8 | 29343.3 | 28731.2 | 26376.7 | 26973.6 | 24847.7 |
| 65° | 8810.9 | 9059.8 | 10136.7 | 13090.6 | 19501.3 | 30968.8 | 36775.0 | 35360.3 | 30354.2 | 29729.4 | 26729.8 |
| 67.5° | 5562.4 | 5498.9 | 5945.9 | 7474.9 | 13413.1 | 28751.5 | 43117.1 | 42893.6 | 35555.9 | 31469.2 | 26280.2 |
| 69° | 4612.4 | 4683.6 | 4835.9 | 5730.0 | 9230.0 | 24548.0 | 43866.4 | 45410.6 | 38078.0 | 31332.1 | 24647.1 |
| 70° | 4183.2 | 4216.2 | 4376.2 | 5079.8 | 7121.8 | 20560.4 | 42637.1 | 45342.1 | 39068.5 | 30758.0 | 23463.5 |
| 72.5° | 3319.6 | 3317.1 | 3591.4 | 4226.4 | 5323.6 | 11736.8 | 35009.8 | 39365.7 | 37961.2 | 28086.1 | 19387.0 |
| 75° | 2522.1 | 2562.7 | 2865.0 | 3576.2 | 4904.5 | 6413.2 | 24431.2 | 30316.1 | 30318.6 | 22183.4 | 12097.5 |
| 77.5° | 1818.6 | 1844.0 | 2197.0 | 3002.1 | 4620.1 | 5199.1 | 16273.1 | 21744.0 | 20441.0 | 10164.6 | 3802.2 |
| 80° | 1191.2 | 1206.4 | 1475.7 | 2377.3 | 4165.4 | 4904.5 | 9649.0 | 13309.0 | 9641.4 | 2697.4 | 1257.2 |
| 82.5° | 652.8 | 728.9 | 901.7 | 1539.2 | 3342.5 | 4531.2 | 5864.6 | 6735.8 | 3616.8 | 1201.4 | 655.3 |
| 85° | 327.6 | 348.0 | 508.0 | 899.1 | 2184.3 | 3748.9 | 4084.1 | 3863.2 | 1866.8 | 596.9 | 340.3 |
| 87.5° | 96.5 | 121.9 | 210.8 | 348.0 | 886.4 | 1953.2 | 2273.2 | 2039.5 | 718.8 | 215.9 | 71.1 |
| 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: P457043
 CATALOG NUMBER: GLAN-SA8B-760-U-SL3

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12585.1 | 12585.1 | 12585.1 | 12585.1 | 12585.1 | 12585.1 | 12585.1 | 12585.1 | 12585.1 | 12585.1 | 12585.1 |
| 2.5° | 12481.0 | 12435.3 | 12232.1 | 12049.2 | 11881.6 | 11703.8 | 11553.9 | 11421.9 | 11434.6 | 11437.1 | 11302.5 |
| 5° | 12196.5 | 12092.4 | 11706.3 | 11345.7 | 11040.9 | 10654.8 | 10324.6 | 10111.3 | 10004.6 | 9862.4 | 9913.2 |
| 7.5° | 11810.5 | 11609.8 | 11073.9 | 10474.5 | 9913.2 | 9412.8 | 8869.3 | 8495.9 | 8257.2 | 8026.0 | 8056.5 |
| 10° | 11411.7 | 11089.1 | 10309.4 | 9517.0 | 8790.6 | 7990.5 | 7297.1 | 6702.8 | 6260.8 | 6095.7 | 5986.5 |
| 12.5° | 11002.8 | 10578.6 | 9588.1 | 8534.0 | 7530.8 | 6573.2 | 5590.3 | 4952.8 | 4465.1 | 4206.1 | 4239.1 |
| 15° | 10629.4 | 10113.8 | 8836.3 | 7551.1 | 6248.1 | 5107.7 | 4127.3 | 3520.3 | 3179.9 | 3108.8 | 3149.5 |
| 17.5° | 10284.0 | 9608.4 | 8132.7 | 6596.1 | 5074.7 | 3830.2 | 3101.2 | 2758.3 | 2621.2 | 2583.1 | 2580.5 |
| 20° | 9928.4 | 9179.2 | 7342.8 | 5575.1 | 3954.6 | 2969.1 | 2545.0 | 2385.0 | 2359.6 | 2374.8 | 2377.3 |
| 22.5° | 9567.8 | 8648.3 | 6530.1 | 4561.6 | 3149.5 | 2428.1 | 2224.9 | 2181.8 | 2202.1 | 2237.6 | 2242.7 |
| 25° | 9235.0 | 8181.0 | 5747.8 | 3672.7 | 2514.5 | 2133.5 | 2034.4 | 2034.4 | 2080.2 | 2133.5 | 2136.0 |
| 27.5° | 8960.7 | 7728.9 | 4968.0 | 2915.8 | 2105.6 | 1920.2 | 1887.1 | 1904.9 | 1968.4 | 2009.1 | 2011.6 |
| 30° | 8734.7 | 7307.3 | 4231.5 | 2336.7 | 1851.6 | 1750.0 | 1742.4 | 1772.8 | 1818.6 | 1856.7 | 1859.2 |
| 32.5° | 8564.5 | 6936.4 | 3543.1 | 1963.3 | 1676.3 | 1620.4 | 1617.9 | 1640.8 | 1666.2 | 1676.3 | 1686.5 |
| 35° | 8498.5 | 6629.1 | 2913.3 | 1727.1 | 1559.5 | 1523.9 | 1523.9 | 1521.4 | 1531.6 | 1536.6 | 1541.7 |
| 37.5° | 8551.8 | 6392.9 | 2425.6 | 1574.7 | 1473.1 | 1447.7 | 1432.5 | 1417.3 | 1412.2 | 1412.2 | 1414.7 |
| 40° | 8777.9 | 6268.4 | 2062.4 | 1475.7 | 1412.2 | 1374.1 | 1346.1 | 1328.4 | 1310.6 | 1315.7 | 1320.7 |
| 42.5° | 9257.9 | 6291.3 | 1816.0 | 1409.6 | 1358.8 | 1305.5 | 1264.9 | 1244.5 | 1231.8 | 1247.1 | 1244.5 |
| 45° | 10022.4 | 6519.9 | 1658.5 | 1363.9 | 1305.5 | 1236.9 | 1198.8 | 1178.5 | 1178.5 | 1201.4 | 1209.0 |
| 47.5° | 11091.7 | 6956.8 | 1574.7 | 1328.4 | 1264.9 | 1183.6 | 1145.5 | 1130.2 | 1135.3 | 1173.4 | 1176.0 |
| 50° | 12397.2 | 7716.2 | 1559.5 | 1310.6 | 1244.5 | 1145.5 | 1102.3 | 1087.1 | 1099.8 | 1140.4 | 1145.5 |
| 52.5° | 13837.3 | 8694.0 | 1633.1 | 1313.1 | 1226.8 | 1122.6 | 1066.8 | 1043.9 | 1056.6 | 1089.6 | 1099.8 |
| 55° | 15544.1 | 9918.3 | 1823.6 | 1323.3 | 1201.4 | 1109.9 | 1041.4 | 990.6 | 1005.8 | 1028.7 | 1031.2 |
| 57.5° | 17286.5 | 11462.5 | 2158.9 | 1325.8 | 1181.0 | 1087.1 | 998.2 | 932.1 | 932.1 | 947.4 | 955.0 |
| 60° | 19414.9 | 13143.9 | 2600.8 | 1328.4 | 1183.6 | 1054.1 | 939.8 | 866.1 | 855.9 | 863.6 | 866.1 |
| 62.5° | 21528.1 | 14551.0 | 2674.5 | 1320.7 | 1209.0 | 1021.0 | 876.3 | 800.1 | 782.3 | 779.7 | 774.7 |
| 65° | 22460.2 | 14289.4 | 2191.9 | 1285.2 | 1236.9 | 1000.7 | 825.5 | 736.6 | 706.1 | 695.9 | 695.9 |
| 67.5° | 20941.4 | 12087.3 | 1648.4 | 1236.9 | 1219.1 | 980.4 | 777.2 | 683.2 | 647.7 | 627.4 | 627.4 |
| 69° | 19514.0 | 10751.3 | 1480.8 | 1203.9 | 1173.4 | 947.4 | 746.7 | 655.3 | 612.1 | 589.3 | 581.6 |
| 70° | 18411.6 | 9831.9 | 1409.6 | 1176.0 | 1130.2 | 909.3 | 723.9 | 635.0 | 586.7 | 561.3 | 556.2 |
| 72.5° | 14693.2 | 7713.6 | 1234.4 | 1069.3 | 962.6 | 764.5 | 642.6 | 571.5 | 525.8 | 497.8 | 490.2 |
| 75° | 8468.0 | 4180.7 | 1023.6 | 929.6 | 774.7 | 594.3 | 543.5 | 497.8 | 462.3 | 436.9 | 429.2 |
| 77.5° | 2605.9 | 1615.4 | 741.6 | 734.0 | 568.9 | 459.7 | 434.3 | 416.5 | 391.1 | 363.2 | 358.1 |
| 80° | 1097.2 | 822.9 | 502.9 | 495.3 | 378.4 | 320.0 | 312.4 | 309.9 | 299.7 | 276.8 | 269.2 |
| 82.5° | 602.0 | 464.8 | 350.5 | 304.8 | 228.6 | 185.4 | 193.0 | 195.6 | 188.0 | 165.1 | 149.9 |
| 85° | 294.6 | 254.0 | 170.2 | 137.2 | 104.1 | 66.0 | 63.5 | 76.2 | 71.1 | 50.8 | 55.9 |
| 87.5° | 58.4 | 71.1 | 45.7 | 20.3 | 10.2 | 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 |

(END OF REPORT)