

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: P532551

Luminaire Tested: **GLAN-SA7D-830-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532551  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA7D-830-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23671 lumens  
Efficiency: N/A  
Efficacy: 54.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2

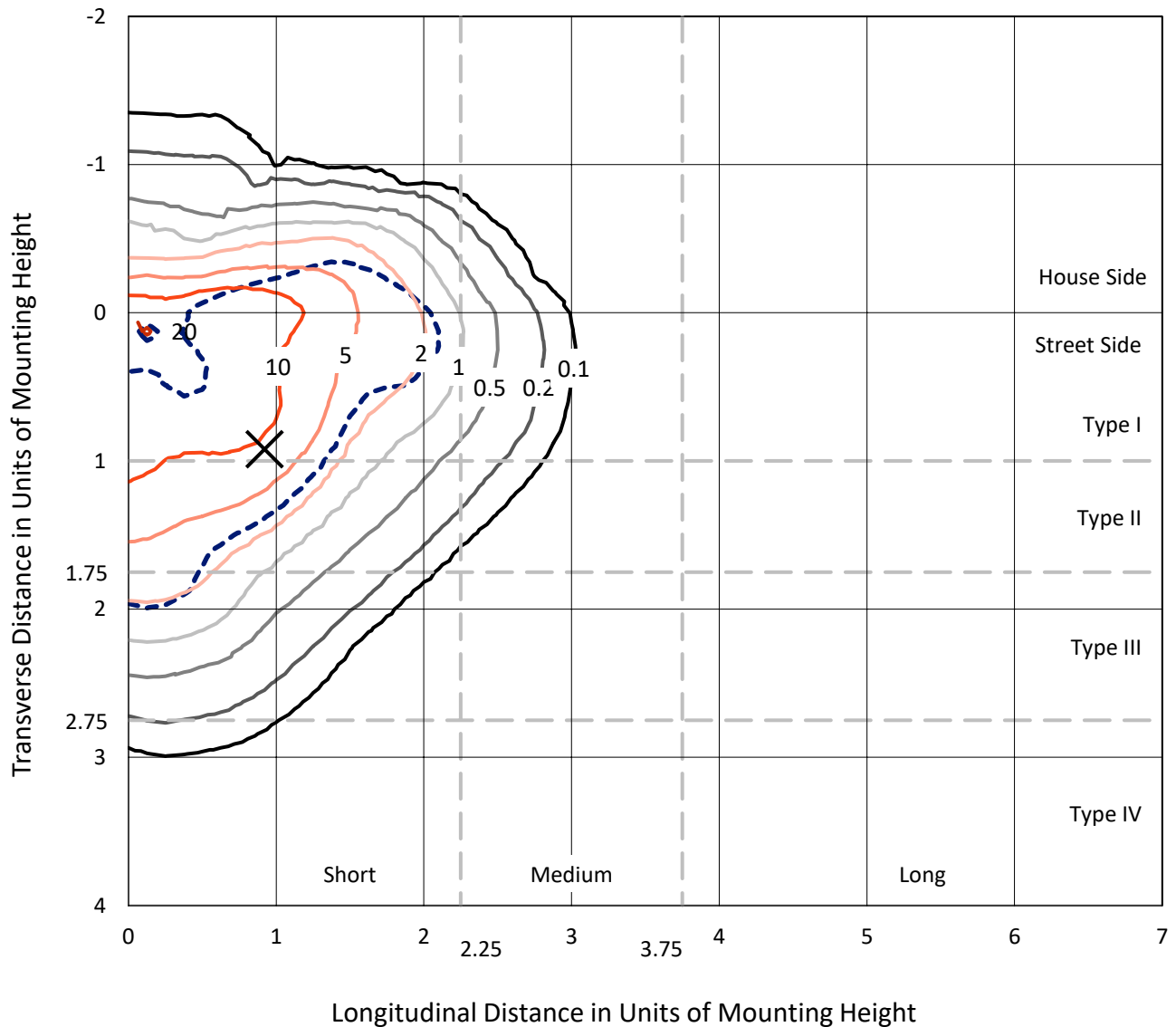
Input Watts (W): 433  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

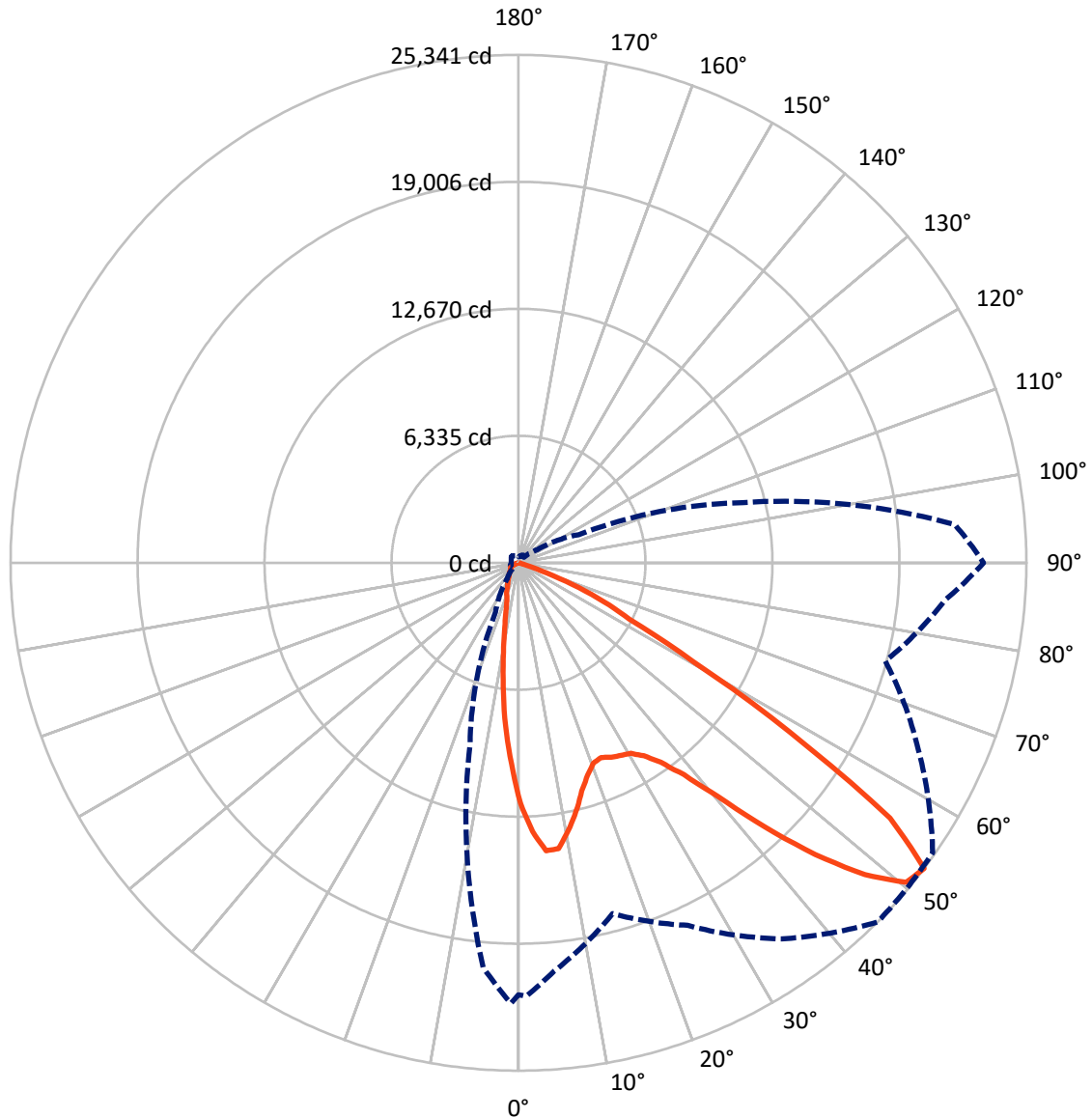
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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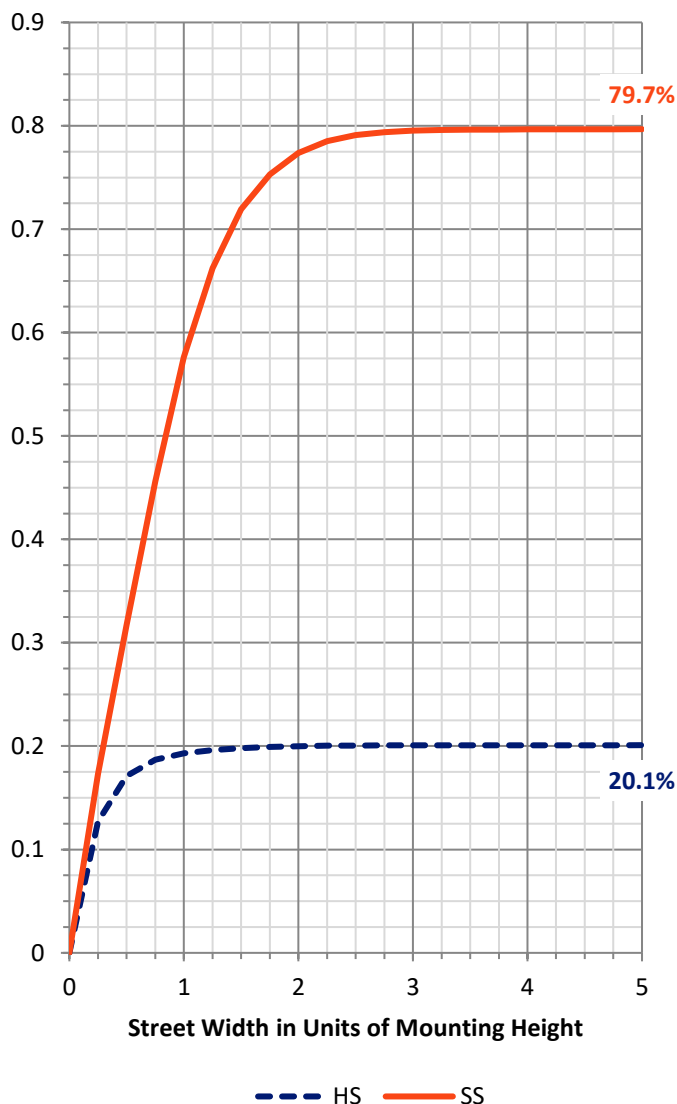
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4804.0   | 0.0    | 4804.0  |
|                    | % Fixture | 20.3     | 0.0    | 20.3    |
| <b>Street Side</b> | Lumens    | 18867.0  | 0.0    | 18867.0 |
|                    | % Fixture | 79.7     | 0.0    | 79.7    |
| <b>Total</b>       | Lumens    | 23671.0  | 0.0    | 23671.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 875.3   | 3.7       |
| 10°-20°   | 1727.0  | 7.3       |
| 20°-30°   | 2628.1  | 11.1      |
| 30°-40°   | 3928.1  | 16.6      |
| 40°-50°   | 5593.9  | 23.6      |
| 50°-60°   | 6013.3  | 25.4      |
| 60°-70°   | 2664.6  | 11.3      |
| 70°-80°   | 215.6   | 0.9       |
| 80°-90°   | 25.1    | 0.1       |
| 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°    | 23671.0 | 100.0     |
| 0°-180°   | 23671.0 | 100.0     |

**Coefficient of Utilization**



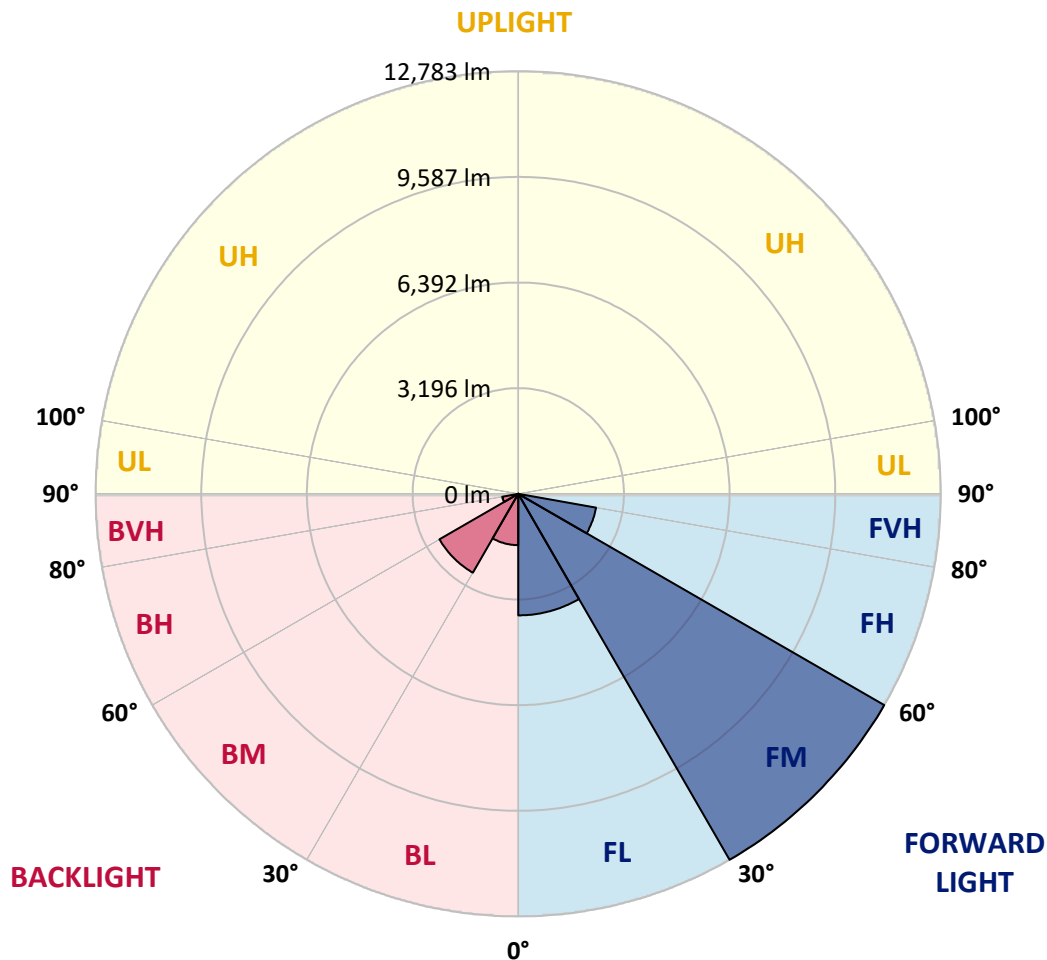
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 CATALOG NUMBER: GLAN-SA7D-830-U-SLL-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3676.6  | 15.5      |                         |      |         |
| FM   | (30°-60°)   | 12783.1 | 54.0      |                         |      |         |
| FH   | (60°-80°)   | 2388.7  | 10.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 18.6    | 0.1       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1553.8  | 6.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2752.2  | 11.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 491.5   | 2.1       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 6.5     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G2**

Type III Short





REPORT NUMBER: P532551

CATALOG NUMBER: GLAN-SA7D-830-U-SLL-GRSBK

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 |
| 2.5°  | 12700.6 | 12737.9 | 12942.7 | 13198.8 | 13333.8 | 13641.1 | 13426.9 | 13482.8 | 13366.4 | 12956.7 | 12635.5 |
| 5°    | 12314.2 | 12309.6 | 12570.3 | 13203.5 | 13804.0 | 14413.9 | 14432.6 | 14106.7 | 13534.0 | 12905.5 | 12007.0 |
| 7.5°  | 11150.3 | 11331.9 | 11601.9 | 12612.2 | 13724.9 | 14181.1 | 14400.0 | 14018.2 | 13138.3 | 12239.7 | 11266.7 |
| 10°   | 10270.4 | 10363.5 | 10819.8 | 12039.5 | 12854.3 | 13464.2 | 13599.2 | 13380.4 | 12705.3 | 11583.3 | 10493.9 |
| 12.5° | 9762.9  | 9809.5  | 10344.9 | 11369.1 | 12230.4 | 12682.0 | 12747.2 | 12849.6 | 12365.4 | 11313.3 | 10005.0 |
| 15°   | 9767.6  | 9804.8  | 10526.5 | 11383.1 | 11723.0 | 11601.9 | 11816.1 | 11811.4 | 12020.9 | 11262.0 | 10414.7 |
| 17.5° | 10470.6 | 10512.5 | 11164.3 | 11587.9 | 11439.0 | 11155.0 | 11141.0 | 11355.2 | 11797.4 | 11899.9 | 11033.9 |
| 20°   | 11681.1 | 11778.8 | 12258.4 | 12235.1 | 11397.1 | 10824.4 | 10666.1 | 10829.1 | 11858.0 | 12439.9 | 12281.6 |
| 22.5° | 13310.5 | 13445.6 | 13780.8 | 13138.3 | 11587.9 | 10600.9 | 10549.7 | 10866.3 | 12258.4 | 13645.7 | 13697.0 |
| 25°   | 15200.7 | 15428.9 | 15591.8 | 14767.8 | 12267.7 | 10987.4 | 10745.3 | 11290.0 | 12798.4 | 14954.0 | 15498.7 |
| 27.5° | 16453.1 | 16690.5 | 16653.3 | 15475.4 | 12723.9 | 11089.8 | 10884.9 | 11392.4 | 13268.6 | 15265.9 | 16439.1 |
| 30°   | 17430.8 | 17575.1 | 17835.8 | 15857.2 | 13180.2 | 11378.4 | 11029.3 | 11825.4 | 13422.3 | 15806.0 | 17575.1 |
| 32.5° | 18571.4 | 18669.2 | 18687.8 | 16532.3 | 13883.2 | 11741.6 | 11476.2 | 12365.4 | 14102.0 | 16322.8 | 18580.7 |
| 35°   | 19721.4 | 19865.7 | 19563.1 | 17365.6 | 14316.2 | 12416.7 | 12221.1 | 13301.2 | 14646.7 | 16858.2 | 19688.8 |
| 37.5° | 20969.1 | 21043.6 | 20345.2 | 17710.1 | 14935.4 | 13515.4 | 13408.3 | 14311.5 | 15591.8 | 17826.5 | 20917.9 |
| 40°   | 22016.6 | 22086.5 | 21178.6 | 18133.8 | 15587.2 | 15051.8 | 15326.4 | 16238.9 | 16876.8 | 18455.0 | 21532.4 |
| 42.5° | 22598.6 | 22761.5 | 21457.9 | 17901.0 | 16895.4 | 16793.0 | 18012.8 | 18334.0 | 18366.6 | 18632.0 | 22081.8 |
| 45°   | 22756.9 | 22682.4 | 20997.0 | 18091.9 | 18040.7 | 19656.2 | 20764.3 | 21187.9 | 19847.1 | 18957.9 | 22221.5 |
| 47.5° | 22025.9 | 22123.7 | 20317.3 | 17924.3 | 19544.5 | 21825.7 | 23259.7 | 24046.5 | 20950.5 | 18673.9 | 21877.0 |
| 50°   | 21434.7 | 21309.0 | 20098.5 | 17803.3 | 19949.5 | 22850.0 | 25061.4 | 25238.3 | 21965.4 | 19023.0 | 21499.8 |
| 52.5° | 21551.1 | 21630.2 | 20447.7 | 18124.5 | 19958.8 | 22910.5 | 25340.8 | 25219.7 | 21998.0 | 18943.9 | 21364.8 |
| 55°   | 21797.8 | 21448.6 | 20298.7 | 17416.8 | 18622.6 | 21220.5 | 22491.5 | 22305.3 | 20303.3 | 18101.2 | 21034.3 |
| 57.5° | 18808.9 | 19348.9 | 18664.5 | 15549.9 | 15284.5 | 15987.5 | 15964.3 | 16536.9 | 15144.9 | 15577.8 | 19148.7 |
| 60°   | 15265.9 | 15359.0 | 15615.1 | 13301.2 | 10577.7 | 10335.6 | 10000.4 | 9637.2  | 10191.2 | 13319.8 | 17416.8 |
| 62.5° | 13426.9 | 13315.2 | 14227.7 | 12100.1 | 7467.7  | 6252.6  | 6196.7  | 6420.2  | 7863.4  | 12705.3 | 16336.7 |
| 65°   | 9758.3  | 9897.9  | 10559.0 | 9390.5  | 5605.4  | 4772.1  | 4688.3  | 5349.4  | 6364.3  | 10181.9 | 12467.9 |
| 67.5° | 5959.2  | 6229.3  | 6289.8  | 5791.6  | 3803.7  | 3021.5  | 2900.5  | 3501.1  | 4595.1  | 6587.8  | 7309.4  |
| 70°   | 2751.5  | 3077.4  | 3384.7  | 3161.2  | 2202.1  | 1243.1  | 1173.2  | 1471.2  | 2318.5  | 3789.7  | 3878.2  |
| 72.5° | 833.4   | 838.0   | 1173.2  | 1224.4  | 712.3   | 279.3   | 246.8   | 325.9   | 786.8   | 1252.4  | 1317.6  |
| 75°   | 60.5    | 65.2    | 158.3   | 181.6   | 135.0   | 69.8    | 74.5    | 88.5    | 167.6   | 279.3   | 209.5   |
| 77.5° | 4.7     | 4.7     | 4.7     | 23.3    | 41.9    | 46.6    | 60.5    | 69.8    | 88.5    | 102.4   | 93.1    |
| 80°   | 4.7     | 0.0     | 4.7     | 18.6    | 32.6    | 46.6    | 55.9    | 65.2    | 69.8    | 79.1    | 69.8    |
| 82.5° | 0.0     | 0.0     | 0.0     | 14.0    | 32.6    | 46.6    | 51.2    | 69.8    | 79.1    | 93.1    | 79.1    |
| 85°   | 0.0     | 0.0     | 0.0     | 14.0    | 32.6    | 51.2    | 46.6    | 23.3    | 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     |



REPORT NUMBER: P532551  
 CATALOG NUMBER: GLAN-SA7D-830-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 |
| 2.5°  | 12691.3 | 12509.8 | 12095.4 | 11885.9 | 11392.4 | 11322.6 | 10838.4 | 10759.2 | 10596.3 | 10507.8 | 10293.7 |
| 5°    | 11611.2 | 11392.4 | 10717.3 | 10149.3 | 9488.2  | 9027.3  | 8673.5  | 8352.3  | 8166.0  | 7993.8  | 8072.9  |
| 7.5°  | 10731.3 | 10093.5 | 9343.9  | 8394.2  | 7630.6  | 7137.1  | 6597.1  | 6154.8  | 5894.1  | 5717.2  | 5759.1  |
| 10°   | 9809.5  | 9395.1  | 8352.3  | 7286.1  | 6364.3  | 6015.1  | 5591.5  | 5251.6  | 4883.8  | 4567.2  | 4418.2  |
| 12.5° | 9520.8  | 8906.3  | 7598.0  | 6513.3  | 5814.9  | 5475.1  | 4990.9  | 4599.8  | 4129.6  | 3743.2  | 3608.1  |
| 15°   | 9572.0  | 8980.8  | 7393.2  | 6233.9  | 5409.9  | 4823.3  | 4246.0  | 3761.8  | 3245.0  | 2975.0  | 2835.3  |
| 17.5° | 10405.4 | 9381.2  | 7528.2  | 5940.6  | 4846.5  | 4031.8  | 3319.5  | 2704.9  | 2318.5  | 2039.2  | 1978.7  |
| 20°   | 11429.7 | 10247.1 | 7816.9  | 5726.5  | 4385.6  | 3207.8  | 2425.6  | 1894.9  | 1573.6  | 1527.1  | 1513.1  |
| 22.5° | 12928.8 | 11662.4 | 8436.1  | 5582.1  | 3822.3  | 2500.1  | 1662.1  | 1378.1  | 1289.6  | 1280.3  | 1285.0  |
| 25°   | 15023.8 | 13436.2 | 9111.1  | 5461.1  | 3398.6  | 1927.4  | 1359.5  | 1168.6  | 1140.6  | 1126.7  | 1149.9  |
| 27.5° | 15931.7 | 14507.0 | 9469.6  | 5200.4  | 3012.2  | 1736.6  | 1340.8  | 1159.3  | 1080.1  | 1056.8  | 1070.8  |
| 30°   | 17053.7 | 15219.4 | 10033.0 | 4753.4  | 2444.2  | 1429.3  | 1252.4  | 1261.7  | 1224.4  | 1108.0  | 1070.8  |
| 32.5° | 18543.5 | 16108.6 | 10316.9 | 4436.8  | 2183.5  | 1182.5  | 917.2   | 842.7   | 940.4   | 959.1   | 991.7   |
| 35°   | 19497.9 | 17011.8 | 10461.3 | 4250.6  | 2048.5  | 1010.3  | 777.5   | 707.7   | 684.4   | 689.0   | 707.7   |
| 37.5° | 21271.7 | 18231.6 | 10642.8 | 4055.1  | 1946.1  | 879.9   | 703.0   | 637.8   | 605.2   | 605.2   | 623.9   |
| 40°   | 22333.2 | 19200.0 | 10889.6 | 3948.0  | 1843.6  | 800.8   | 637.8   | 582.0   | 554.0   | 554.0   | 563.3   |
| 42.5° | 22598.6 | 19679.5 | 10805.8 | 3910.8  | 1727.3  | 782.2   | 582.0   | 540.1   | 507.5   | 502.8   | 498.2   |
| 45°   | 23073.5 | 20410.4 | 10819.8 | 3868.9  | 1606.2  | 712.3   | 549.4   | 502.8   | 456.3   | 451.6   | 446.9   |
| 47.5° | 23594.9 | 20936.5 | 10847.7 | 3705.9  | 1489.8  | 595.9   | 572.6   | 465.6   | 409.7   | 400.4   | 400.4   |
| 50°   | 23148.0 | 21355.5 | 11089.8 | 3543.0  | 1340.8  | 484.2   | 563.3   | 437.6   | 363.1   | 349.2   | 353.8   |
| 52.5° | 23203.8 | 21849.0 | 11601.9 | 3314.8  | 1154.6  | 386.4   | 456.3   | 414.4   | 330.6   | 307.3   | 311.9   |
| 55°   | 22309.9 | 21327.6 | 11671.7 | 3072.7  | 903.2   | 298.0   | 349.2   | 363.1   | 279.3   | 270.0   | 270.0   |
| 57.5° | 19204.6 | 18059.3 | 10298.3 | 2490.8  | 595.9   | 246.8   | 251.4   | 316.6   | 242.1   | 232.8   | 237.4   |
| 60°   | 16434.5 | 14497.7 | 8287.1  | 1643.4  | 372.5   | 195.5   | 181.6   | 321.2   | 214.2   | 209.5   | 223.5   |
| 62.5° | 14981.9 | 11913.8 | 6285.1  | 1019.6  | 256.1   | 149.0   | 125.7   | 260.7   | 186.2   | 186.2   | 204.8   |
| 65°   | 10824.4 | 8003.1  | 3654.7  | 535.4   | 181.6   | 116.4   | 93.1    | 149.0   | 153.6   | 158.3   | 167.6   |
| 67.5° | 6704.2  | 4041.1  | 1541.0  | 260.7   | 121.0   | 79.1    | 60.5    | 93.1    | 102.4   | 102.4   | 111.7   |
| 70°   | 3310.2  | 1610.9  | 512.1   | 149.0   | 93.1    | 65.2    | 41.9    | 51.2    | 51.2    | 46.6    | 51.2    |
| 72.5° | 1024.2  | 484.2   | 130.4   | 93.1    | 65.2    | 41.9    | 23.3    | 18.6    | 9.3     | 0.0     | 4.7     |
| 75°   | 116.4   | 93.1    | 83.8    | 65.2    | 41.9    | 18.6    | 4.7     | 0.0     | 0.0     | 0.0     | 0.0     |
| 77.5° | 69.8    | 79.1    | 79.1    | 65.2    | 41.9    | 14.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 80°   | 55.9    | 60.5    | 65.2    | 60.5    | 37.2    | 18.6    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 82.5° | 69.8    | 79.1    | 88.5    | 79.1    | 51.2    | 23.3    | 9.3     | 0.0     | 0.0     | 0.0     | 0.0     |
| 85°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 14.0    | 4.7     | 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     |





REPORT NUMBER: P532551

CATALOG NUMBER: GLAN-SA7D-830-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 185°    | 195°    | 205°    | 215°    | 225°    | 235°    | 245°    | 255°    | 265°    | 270°    | 275°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 |
| 2.5°  | 10205.2 | 10102.8 | 10247.1 | 10033.0 | 10028.3 | 10033.0 | 9972.4  | 9916.6  | 10005.0 | 10242.5 | 10265.7 |
| 5°    | 7788.9  | 8007.7  | 8077.6  | 8305.7  | 8180.0  | 7993.8  | 8031.0  | 7905.3  | 8212.6  | 8347.6  | 8240.5  |
| 7.5°  | 5670.6  | 5656.6  | 6126.9  | 6154.8  | 6215.3  | 6220.0  | 6210.7  | 5963.9  | 5712.5  | 5768.4  | 5936.0  |
| 10°   | 4399.6  | 4162.2  | 4390.3  | 4367.0  | 4516.0  | 4474.1  | 4534.6  | 4269.2  | 4357.7  | 4357.7  | 4464.8  |
| 12.5° | 3584.9  | 3333.5  | 3291.6  | 3231.0  | 3291.6  | 3314.8  | 3338.1  | 3286.9  | 3435.9  | 3505.7  | 3580.2  |
| 15°   | 2737.5  | 2597.9  | 2560.6  | 2444.2  | 2462.8  | 2528.0  | 2583.9  | 2607.2  | 2560.6  | 2667.7  | 2677.0  |
| 17.5° | 1988.0  | 1983.3  | 2006.6  | 2001.9  | 1983.3  | 1969.3  | 1964.7  | 1904.2  | 1885.5  | 1894.9  | 1932.1  |
| 20°   | 1508.4  | 1545.7  | 1624.8  | 1704.0  | 1745.9  | 1694.7  | 1624.8  | 1522.4  | 1480.5  | 1489.8  | 1494.5  |
| 22.5° | 1289.6  | 1345.5  | 1452.6  | 1541.0  | 1582.9  | 1489.8  | 1364.1  | 1275.7  | 1257.0  | 1252.4  | 1247.7  |
| 25°   | 1168.6  | 1233.8  | 1312.9  | 1340.8  | 1336.2  | 1280.3  | 1187.2  | 1149.9  | 1140.6  | 1131.3  | 1089.4  |
| 27.5° | 1103.4  | 1126.7  | 1140.6  | 1173.2  | 1187.2  | 1149.9  | 1126.7  | 1070.8  | 1061.5  | 1061.5  | 1033.6  |
| 30°   | 1066.1  | 1052.2  | 1070.8  | 1047.5  | 1066.1  | 1038.2  | 1042.9  | 1042.9  | 1019.6  | 1028.9  | 1028.9  |
| 32.5° | 991.7   | 996.3   | 996.3   | 949.8   | 963.7   | 931.1   | 963.7   | 991.7   | 996.3   | 1001.0  | 1038.2  |
| 35°   | 726.3   | 810.1   | 852.0   | 852.0   | 866.0   | 842.7   | 838.0   | 805.4   | 763.5   | 721.6   | 703.0   |
| 37.5° | 637.8   | 670.4   | 726.3   | 758.9   | 782.2   | 763.5   | 721.6   | 670.4   | 647.1   | 628.5   | 609.9   |
| 40°   | 568.0   | 595.9   | 633.2   | 670.4   | 717.0   | 693.7   | 628.5   | 605.2   | 577.3   | 577.3   | 558.7   |
| 42.5° | 512.1   | 526.1   | 549.4   | 605.2   | 656.4   | 609.9   | 563.3   | 544.7   | 530.7   | 526.1   | 521.4   |
| 45°   | 460.9   | 465.6   | 488.8   | 535.4   | 595.9   | 549.4   | 502.8   | 479.5   | 484.2   | 488.8   | 484.2   |
| 47.5° | 414.4   | 423.7   | 437.6   | 493.5   | 530.7   | 507.5   | 456.3   | 442.3   | 442.3   | 442.3   | 446.9   |
| 50°   | 358.5   | 381.8   | 409.7   | 456.3   | 484.2   | 470.2   | 428.3   | 409.7   | 400.4   | 400.4   | 405.0   |
| 52.5° | 321.2   | 339.9   | 377.1   | 433.0   | 470.2   | 446.9   | 405.0   | 377.1   | 358.5   | 353.8   | 363.1   |
| 55°   | 279.3   | 311.9   | 372.5   | 414.4   | 465.6   | 442.3   | 395.7   | 363.1   | 330.6   | 325.9   | 325.9   |
| 57.5° | 251.4   | 302.6   | 358.5   | 409.7   | 451.6   | 433.0   | 395.7   | 353.8   | 311.9   | 307.3   | 307.3   |
| 60°   | 237.4   | 293.3   | 349.2   | 395.7   | 451.6   | 423.7   | 391.1   | 344.5   | 298.0   | 298.0   | 293.3   |
| 62.5° | 223.5   | 274.7   | 330.6   | 377.1   | 433.0   | 409.7   | 377.1   | 330.6   | 284.0   | 284.0   | 274.7   |
| 65°   | 186.2   | 237.4   | 274.7   | 316.6   | 377.1   | 353.8   | 321.2   | 288.7   | 251.4   | 242.1   | 246.8   |
| 67.5° | 130.4   | 162.9   | 200.2   | 242.1   | 279.3   | 270.0   | 256.1   | 232.8   | 200.2   | 195.5   | 190.9   |
| 70°   | 65.2    | 88.5    | 121.0   | 162.9   | 195.5   | 186.2   | 176.9   | 158.3   | 139.7   | 135.0   | 135.0   |
| 72.5° | 9.3     | 27.9    | 51.2    | 74.5    | 102.4   | 107.1   | 102.4   | 97.8    | 93.1    | 88.5    | 93.1    |
| 75°   | 0.0     | 0.0     | 0.0     | 18.6    | 41.9    | 51.2    | 60.5    | 69.8    | 69.8    | 60.5    | 74.5    |
| 77.5° | 0.0     | 0.0     | 0.0     | 0.0     | 4.7     | 23.3    | 46.6    | 60.5    | 74.5    | 65.2    | 88.5    |
| 80°   | 0.0     | 0.0     | 0.0     | 0.0     | 4.7     | 27.9    | 46.6    | 65.2    | 74.5    | 65.2    | 93.1    |
| 82.5° | 0.0     | 0.0     | 0.0     | 0.0     | 4.7     | 32.6    | 46.6    | 60.5    | 69.8    | 65.2    | 83.8    |
| 85°   | 0.0     | 0.0     | 0.0     | 0.0     | 14.0    | 27.9    | 18.6    | 9.3     | 4.7     | 4.7     | 14.0    |
| 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     |



REPORT NUMBER: P532551

CATALOG NUMBER: GLAN-SA7D-830-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 | 12002.3 |
| 2.5°  | 10396.1 | 10726.6 | 11080.5 | 11215.5 | 11634.5 | 11951.1 | 12165.2 | 12626.2 | 12696.0 | 12700.6 |
| 5°    | 8352.3  | 8519.9  | 9125.1  | 9409.1  | 10033.0 | 10517.1 | 11033.9 | 11778.8 | 12277.0 | 12314.2 |
| 7.5°  | 5936.0  | 6401.5  | 6657.6  | 7397.8  | 8166.0  | 8924.9  | 9693.1  | 10559.0 | 11136.3 | 11150.3 |
| 10°   | 4776.7  | 5079.3  | 5535.6  | 6089.6  | 6736.7  | 7509.6  | 8533.8  | 9539.5  | 10126.1 | 10270.4 |
| 12.5° | 3845.6  | 4376.3  | 4897.8  | 5470.4  | 5963.9  | 6545.9  | 7649.3  | 8990.1  | 9474.3  | 9762.9  |
| 15°   | 2961.0  | 3445.2  | 4059.7  | 4730.2  | 5288.8  | 6066.3  | 7323.4  | 8855.1  | 9669.8  | 9767.6  |
| 17.5° | 2183.5  | 2616.5  | 3184.5  | 3817.6  | 4655.7  | 5759.1  | 7379.2  | 9539.5  | 10307.6 | 10470.6 |
| 20°   | 1569.0  | 1820.4  | 2267.3  | 3002.9  | 4069.0  | 5400.6  | 7435.1  | 10233.1 | 11401.7 | 11681.1 |
| 22.5° | 1243.1  | 1345.5  | 1638.8  | 2290.6  | 3412.6  | 5023.5  | 7830.8  | 11560.0 | 12905.5 | 13310.5 |
| 25°   | 1080.1  | 1136.0  | 1275.7  | 1806.4  | 2998.2  | 4986.2  | 8464.0  | 13152.2 | 14907.4 | 15200.7 |
| 27.5° | 1042.9  | 1052.2  | 1173.2  | 1657.4  | 2774.8  | 4739.5  | 8706.1  | 14283.6 | 16155.1 | 16453.1 |
| 30°   | 1098.7  | 1247.7  | 1257.0  | 1401.4  | 2360.4  | 4250.6  | 8831.8  | 15377.7 | 17212.0 | 17430.8 |
| 32.5° | 949.8   | 903.2   | 935.8   | 1084.8  | 2076.4  | 3966.6  | 9069.2  | 16332.1 | 18417.8 | 18571.4 |
| 35°   | 661.1   | 693.7   | 768.2   | 940.4   | 1815.7  | 3668.7  | 9129.8  | 17384.2 | 19563.1 | 19721.4 |
| 37.5° | 609.9   | 628.5   | 689.0   | 800.8   | 1596.9  | 3501.1  | 9046.0  | 18152.4 | 20750.3 | 20969.1 |
| 40°   | 568.0   | 591.3   | 623.9   | 726.3   | 1433.9  | 3314.8  | 8929.6  | 18846.1 | 21476.6 | 22016.6 |
| 42.5° | 535.4   | 554.0   | 582.0   | 693.7   | 1294.3  | 3128.6  | 8766.6  | 19823.8 | 22128.4 | 22598.6 |
| 45°   | 498.2   | 526.1   | 558.7   | 675.1   | 1215.1  | 3002.9  | 8645.6  | 19763.3 | 22505.5 | 22756.9 |
| 47.5° | 460.9   | 507.5   | 544.7   | 628.5   | 1191.8  | 2942.4  | 8696.8  | 19535.2 | 22198.2 | 22025.9 |
| 50°   | 423.7   | 484.2   | 549.4   | 521.4   | 1136.0  | 2821.3  | 8757.3  | 19847.1 | 21467.3 | 21434.7 |
| 52.5° | 391.1   | 460.9   | 512.1   | 428.3   | 1010.3  | 2704.9  | 9343.9  | 20256.8 | 21984.0 | 21551.1 |
| 55°   | 344.5   | 414.4   | 409.7   | 344.5   | 819.4   | 2616.5  | 9804.8  | 20266.1 | 21634.9 | 21797.8 |
| 57.5° | 311.9   | 367.8   | 321.2   | 288.7   | 605.2   | 2188.2  | 9055.3  | 16993.2 | 18520.2 | 18808.9 |
| 60°   | 288.7   | 358.5   | 242.1   | 228.1   | 395.7   | 1578.3  | 7905.3  | 13161.6 | 14721.2 | 15265.9 |
| 62.5° | 265.4   | 339.9   | 190.9   | 186.2   | 274.7   | 1122.0  | 6499.3  | 11015.3 | 12686.7 | 13426.9 |
| 65°   | 232.8   | 242.1   | 153.6   | 144.3   | 195.5   | 605.2   | 3957.3  | 7584.1  | 9483.6  | 9758.3  |
| 67.5° | 190.9   | 186.2   | 125.7   | 116.4   | 130.4   | 293.3   | 1745.9  | 3799.0  | 5498.3  | 5959.2  |
| 70°   | 153.6   | 153.6   | 107.1   | 93.1    | 93.1    | 135.0   | 456.3   | 1513.1  | 2486.1  | 2751.5  |
| 72.5° | 111.7   | 116.4   | 83.8    | 74.5    | 69.8    | 65.2    | 74.5    | 302.6   | 651.8   | 833.4   |
| 75°   | 97.8    | 102.4   | 83.8    | 65.2    | 51.2    | 41.9    | 32.6    | 27.9    | 37.2    | 60.5    |
| 77.5° | 107.1   | 107.1   | 88.5    | 60.5    | 46.6    | 32.6    | 18.6    | 9.3     | 9.3     | 4.7     |
| 80°   | 135.0   | 139.7   | 116.4   | 79.1    | 55.9    | 37.2    | 23.3    | 9.3     | 4.7     | 4.7     |
| 82.5° | 144.3   | 158.3   | 130.4   | 97.8    | 69.8    | 41.9    | 23.3    | 4.7     | 0.0     | 0.0     |
| 85°   | 37.2    | 60.5    | 102.4   | 88.5    | 69.8    | 41.9    | 23.3    | 4.7     | 0.0     | 0.0     |
| 87.5° | 0.0     | 4.7     | 14.0    | 14.0    | 18.6    | 18.6    | 14.0    | 4.7     | 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     |

(END OF REPORT)