

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: P531669

Luminaire Tested: **GLAN-SA7A-727-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7A-727-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14727 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

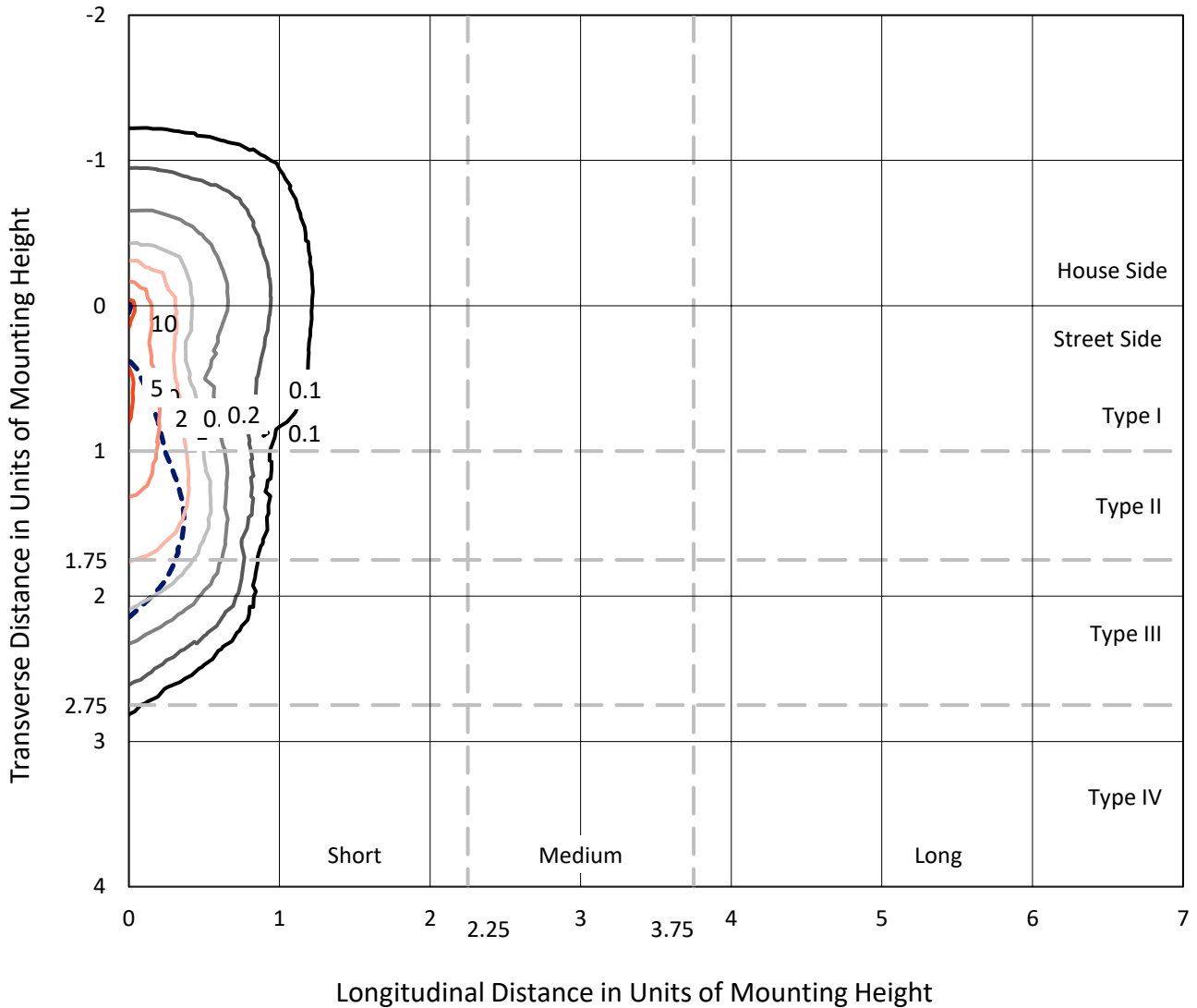
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531669
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Iso-Footcandle Lines of Horizontal Illumination

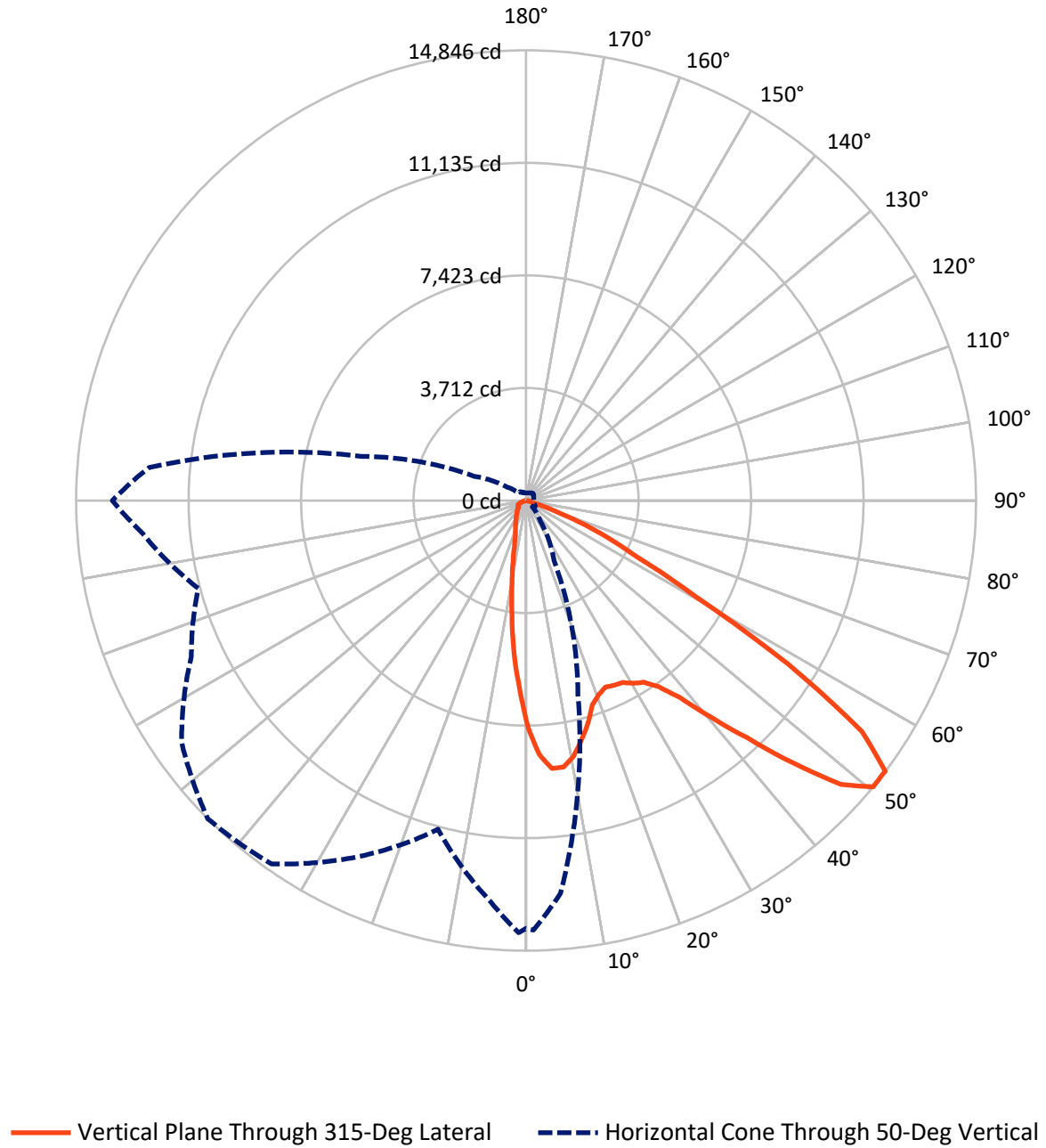
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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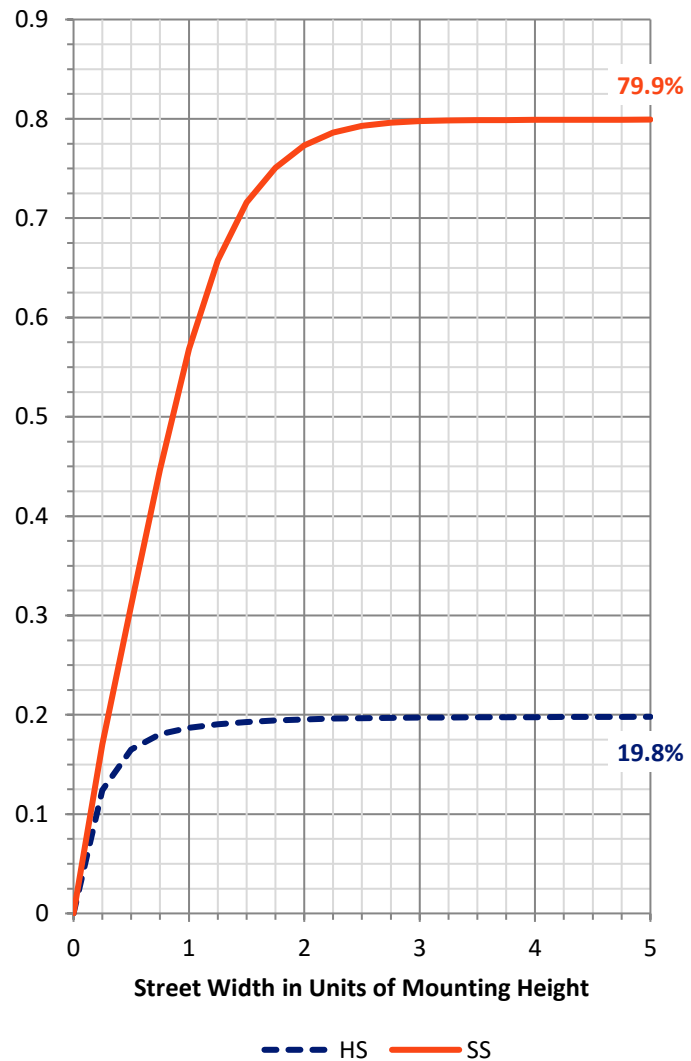
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2949.8 | 0.0 | 2949.8 |
| | % Fixture | 20.0 | 0.0 | 20.0 |
| Street Side | Lumens | 11777.2 | 0.0 | 11777.2 |
| | % Fixture | 80.0 | 0.0 | 80.0 |
| Total | Lumens | 14727.0 | 0.0 | 14727.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 544.4 | 3.7 |
| 10°-20° | 1081.9 | 7.3 |
| 20°-30° | 1625.4 | 11.0 |
| 30°-40° | 2439.6 | 16.6 |
| 40°-50° | 3428.7 | 23.3 |
| 50°-60° | 3698.5 | 25.1 |
| 60°-70° | 1717.2 | 11.7 |
| 70°-80° | 161.6 | 1.1 |
| 80°-90° | 29.8 | 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° | 14727.0 | 100.0 |
| 0°-180° | 14727.0 | 100.0 |



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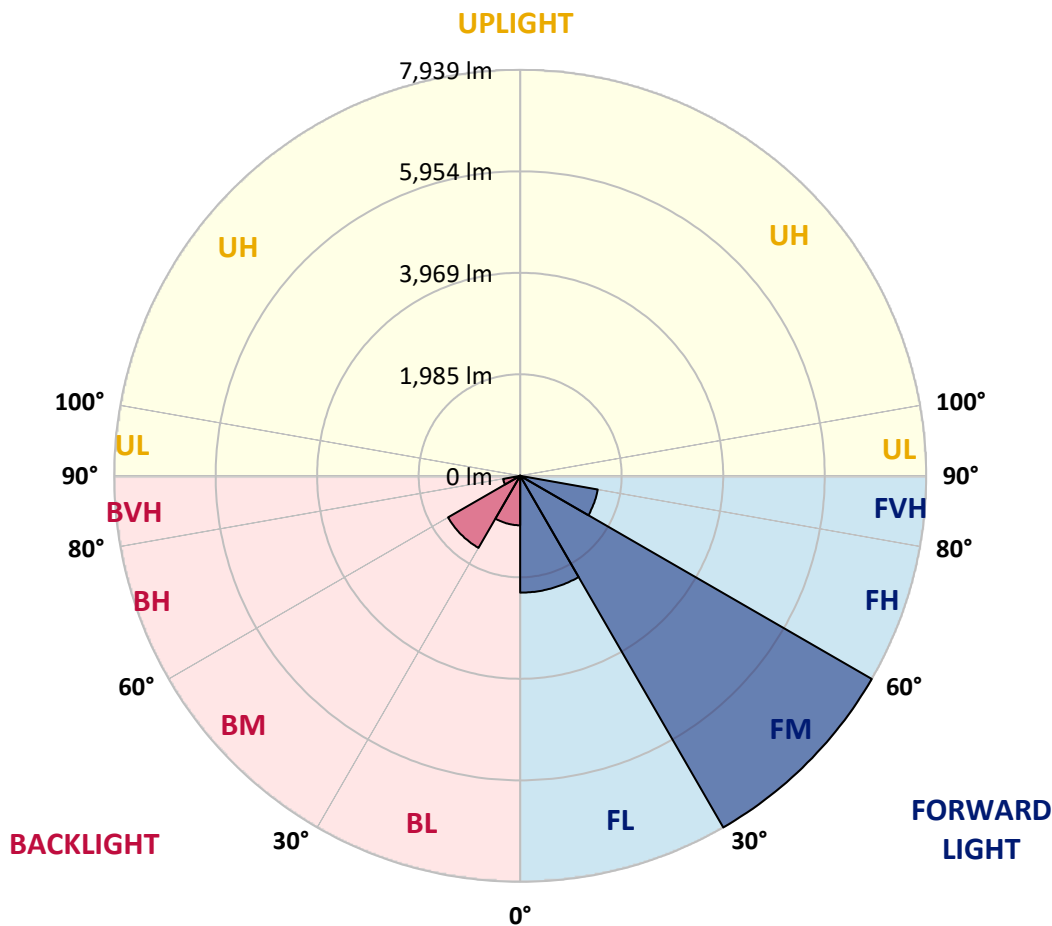
CATALOG NUMBER: GLAN-SA7A-727-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2284.8 | 15.5 | | | |
| FM (30°-60°) | 7939.0 | 53.9 | | | |
| FH (60°-80°) | 1540.0 | 10.5 | | | G1/1800 |
| FVH (80°-90°) | 13.4 | 0.1 | | | G1/100 |
| BL (0°-30°) | 966.9 | 6.6 | B2/1000 | | |
| BM (30°-60°) | 1627.9 | 11.1 | B2/2500 | | |
| BH (60°-80°) | 338.7 | 2.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 16.4 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type III Short





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CATALOG NUMBER: GLAN-SA7A-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 |
| 2.5° | 7763.6 | 7643.8 | 7491.8 | 7366.2 | 7179.2 | 6802.2 | 6700.0 | 6577.3 | 6475.0 | 6337.7 | 6144.8 |
| 5° | 7059.4 | 7021.4 | 6951.3 | 6477.9 | 6136.0 | 5680.2 | 5306.2 | 5148.4 | 4941.0 | 4771.5 | 4648.8 |
| 7.5° | 6521.7 | 6369.8 | 6147.7 | 5671.5 | 5125.1 | 4637.1 | 4222.2 | 3979.7 | 3705.0 | 3611.5 | 3445.0 |
| 10° | 5946.1 | 5981.2 | 5653.9 | 4984.8 | 4324.5 | 3930.0 | 3672.9 | 3439.1 | 3190.7 | 3027.1 | 2790.4 |
| 12.5° | 5762.0 | 5648.1 | 5396.8 | 4569.9 | 4006.0 | 3637.8 | 3325.2 | 3035.9 | 2772.9 | 2509.9 | 2282.0 |
| 15° | 5881.8 | 5706.5 | 5355.9 | 4482.2 | 3760.5 | 3301.8 | 2910.2 | 2518.7 | 2276.2 | 1940.2 | 1703.5 |
| 17.5° | 6311.4 | 6171.1 | 5700.7 | 4575.7 | 3634.9 | 2980.4 | 2398.9 | 1995.7 | 1624.6 | 1320.7 | 1200.9 |
| 20° | 7027.2 | 6828.5 | 6238.3 | 4695.5 | 3447.9 | 2591.7 | 1946.0 | 1449.3 | 1098.6 | 970.1 | 902.9 |
| 22.5° | 7728.5 | 7620.4 | 6875.3 | 4926.4 | 3281.3 | 2247.0 | 1461.0 | 975.9 | 821.1 | 797.7 | 753.9 |
| 25° | 9063.8 | 8739.5 | 7848.3 | 5344.2 | 3152.8 | 1922.6 | 1101.6 | 786.0 | 695.4 | 677.9 | 683.7 |
| 27.5° | 9858.6 | 9586.8 | 8748.2 | 5621.8 | 3009.6 | 1674.3 | 932.1 | 721.7 | 660.4 | 622.4 | 607.8 |
| 30° | 10621.2 | 10305.6 | 9195.3 | 5785.4 | 2702.8 | 1411.3 | 826.9 | 692.5 | 677.9 | 622.4 | 604.8 |
| 32.5° | 11208.5 | 10898.8 | 9841.1 | 6030.9 | 2577.1 | 1241.8 | 680.8 | 540.6 | 502.6 | 496.7 | 549.3 |
| 35° | 12108.5 | 11778.3 | 10393.3 | 6165.3 | 2480.7 | 1154.2 | 590.2 | 482.1 | 438.3 | 420.8 | 423.7 |
| 37.5° | 12947.1 | 12722.1 | 10904.6 | 6217.9 | 2378.4 | 1127.9 | 528.9 | 432.4 | 394.5 | 382.8 | 379.9 |
| 40° | 13648.3 | 13145.7 | 11389.7 | 6273.4 | 2334.6 | 1078.2 | 490.9 | 394.5 | 368.2 | 350.6 | 350.6 |
| 42.5° | 13969.7 | 13458.4 | 11933.1 | 6241.2 | 2322.9 | 999.3 | 490.9 | 362.3 | 341.9 | 324.3 | 321.4 |
| 45° | 13899.6 | 13692.1 | 12175.7 | 6226.6 | 2322.9 | 920.4 | 447.1 | 353.6 | 324.3 | 301.0 | 295.1 |
| 47.5° | 14080.8 | 13809.0 | 12479.6 | 6288.0 | 2276.2 | 864.9 | 376.9 | 371.1 | 306.8 | 277.6 | 271.7 |
| 50° | 14112.9 | 14165.5 | 13008.4 | 6606.5 | 2173.9 | 794.8 | 295.1 | 365.2 | 295.1 | 251.3 | 245.4 |
| 52° | 14323.3 | 13996.0 | 13169.1 | 6775.9 | 2065.8 | 742.2 | 248.4 | 312.6 | 283.4 | 233.8 | 227.9 |
| 52.5° | 14034.0 | 14247.3 | 13207.1 | 6837.3 | 2077.5 | 707.1 | 239.6 | 306.8 | 277.6 | 233.8 | 219.1 |
| 55° | 13709.7 | 13914.2 | 13052.2 | 6968.8 | 1905.1 | 555.2 | 187.0 | 222.1 | 251.3 | 204.5 | 195.8 |
| 57.5° | 11915.6 | 12123.1 | 11342.9 | 6381.5 | 1551.5 | 391.5 | 154.9 | 166.5 | 222.1 | 189.9 | 181.2 |
| 60° | 10592.0 | 10443.0 | 9519.6 | 5323.8 | 1101.6 | 219.1 | 122.7 | 128.6 | 242.5 | 175.3 | 172.4 |
| 62.5° | 9680.3 | 9361.9 | 7956.4 | 4111.2 | 672.0 | 146.1 | 96.4 | 99.3 | 187.0 | 163.6 | 163.6 |
| 65° | 7161.6 | 6805.2 | 5285.8 | 2486.6 | 330.2 | 102.3 | 73.0 | 78.9 | 116.9 | 140.3 | 140.3 |
| 67.5° | 4087.8 | 3950.4 | 2553.8 | 1122.0 | 137.3 | 64.3 | 55.5 | 61.4 | 90.6 | 114.0 | 108.1 |
| 70° | 1878.8 | 1686.0 | 981.8 | 236.7 | 64.3 | 43.8 | 43.8 | 49.7 | 73.0 | 84.7 | 78.9 |
| 72.5° | 549.3 | 520.1 | 239.6 | 38.0 | 26.3 | 26.3 | 29.2 | 38.0 | 55.5 | 64.3 | 58.4 |
| 75° | 40.9 | 26.3 | 17.5 | 11.7 | 11.7 | 17.5 | 23.4 | 38.0 | 55.5 | 61.4 | 49.7 |
| 77.5° | 2.9 | 5.8 | 2.9 | 2.9 | 8.8 | 17.5 | 26.3 | 46.8 | 73.0 | 76.0 | 55.5 |
| 80° | 2.9 | 2.9 | 0.0 | 2.9 | 8.8 | 17.5 | 29.2 | 52.6 | 81.8 | 87.7 | 46.8 |
| 82.5° | 0.0 | 0.0 | 0.0 | 2.9 | 11.7 | 23.4 | 35.1 | 55.5 | 76.0 | 93.5 | 49.7 |
| 85° | 0.0 | 0.0 | 0.0 | 2.9 | 17.5 | 32.1 | 40.9 | 14.6 | 8.8 | 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-SA7A-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 |
| 2.5° | 6282.1 | 6206.2 | 6177.0 | 6203.3 | 6194.5 | 6185.7 | 6346.4 | 6311.4 | 6305.5 | 6358.1 | 6346.4 |
| 5° | 4716.0 | 4581.6 | 4949.7 | 4800.7 | 4955.6 | 5049.1 | 5066.6 | 5075.4 | 5183.5 | 5069.5 | 5218.6 |
| 7.5° | 3360.2 | 3395.3 | 3392.4 | 3491.7 | 3669.9 | 3827.7 | 3921.2 | 3848.2 | 3842.3 | 3827.7 | 3763.4 |
| 10° | 2685.3 | 2623.9 | 2612.2 | 2588.8 | 2644.3 | 2778.8 | 2892.7 | 2802.1 | 2737.8 | 2825.5 | 2799.2 |
| 12.5° | 2194.4 | 2109.6 | 2062.9 | 1969.4 | 1972.3 | 2062.9 | 2062.9 | 2062.9 | 2127.2 | 2176.8 | 2214.8 |
| 15° | 1683.0 | 1612.9 | 1612.9 | 1519.4 | 1498.9 | 1501.9 | 1548.6 | 1554.5 | 1656.7 | 1686.0 | 1700.6 |
| 17.5° | 1177.5 | 1139.6 | 1183.4 | 1221.4 | 1198.0 | 1203.8 | 1221.4 | 1227.2 | 1241.8 | 1230.1 | 1259.4 |
| 20° | 905.8 | 900.0 | 911.6 | 978.8 | 1028.5 | 1057.7 | 1037.3 | 1008.1 | 990.5 | 949.6 | 949.6 |
| 22.5° | 768.5 | 780.2 | 800.6 | 856.1 | 920.4 | 937.9 | 914.6 | 847.4 | 794.8 | 788.9 | 791.8 |
| 25° | 683.7 | 695.4 | 727.6 | 762.6 | 797.7 | 826.9 | 803.5 | 753.9 | 724.6 | 698.3 | 698.3 |
| 27.5° | 631.1 | 637.0 | 654.5 | 680.8 | 710.0 | 733.4 | 724.6 | 698.3 | 666.2 | 654.5 | 628.2 |
| 30° | 590.2 | 599.0 | 619.4 | 625.3 | 651.6 | 663.3 | 648.7 | 642.8 | 622.4 | 607.8 | 599.0 |
| 32.5° | 569.8 | 566.9 | 581.5 | 587.3 | 590.2 | 599.0 | 581.5 | 590.2 | 587.3 | 563.9 | 555.2 |
| 35° | 429.5 | 452.9 | 490.9 | 523.0 | 531.8 | 543.5 | 540.6 | 528.9 | 496.7 | 470.4 | 438.3 |
| 37.5° | 385.7 | 400.3 | 420.8 | 447.1 | 482.1 | 496.7 | 490.9 | 461.7 | 423.7 | 406.1 | 400.3 |
| 40° | 356.5 | 365.2 | 382.8 | 400.3 | 435.4 | 461.7 | 441.2 | 414.9 | 385.7 | 371.1 | 362.3 |
| 42.5° | 330.2 | 333.1 | 341.9 | 359.4 | 385.7 | 426.6 | 391.5 | 356.5 | 344.8 | 336.0 | 330.2 |
| 45° | 301.0 | 301.0 | 312.6 | 321.4 | 350.6 | 388.6 | 353.6 | 321.4 | 315.6 | 309.7 | 306.8 |
| 47.5° | 277.6 | 280.5 | 286.3 | 298.0 | 321.4 | 347.7 | 324.3 | 298.0 | 283.4 | 280.5 | 274.7 |
| 50° | 248.4 | 251.3 | 263.0 | 274.7 | 303.9 | 318.5 | 303.9 | 274.7 | 260.1 | 251.3 | 251.3 |
| 52° | 225.0 | 233.8 | 245.4 | 268.8 | 289.3 | 312.6 | 295.1 | 263.0 | 245.4 | 236.7 | 230.8 |
| 52.5° | 222.1 | 227.9 | 239.6 | 265.9 | 289.3 | 309.7 | 292.2 | 260.1 | 239.6 | 233.8 | 227.9 |
| 55° | 198.7 | 207.5 | 227.9 | 260.1 | 286.3 | 309.7 | 286.3 | 257.1 | 227.9 | 213.3 | 207.5 |
| 57.5° | 189.9 | 195.8 | 222.1 | 263.0 | 283.4 | 309.7 | 286.3 | 257.1 | 227.9 | 201.6 | 195.8 |
| 60° | 181.2 | 192.8 | 222.1 | 254.2 | 280.5 | 312.6 | 289.3 | 254.2 | 222.1 | 189.9 | 189.9 |
| 62.5° | 172.4 | 181.2 | 219.1 | 248.4 | 268.8 | 301.0 | 277.6 | 248.4 | 213.3 | 181.2 | 178.2 |
| 65° | 149.0 | 163.6 | 192.8 | 207.5 | 230.8 | 260.1 | 236.7 | 216.2 | 187.0 | 160.7 | 157.8 |
| 67.5° | 114.0 | 119.8 | 143.2 | 160.7 | 175.3 | 201.6 | 189.9 | 163.6 | 143.2 | 122.7 | 122.7 |
| 70° | 78.9 | 84.7 | 102.3 | 111.0 | 125.6 | 140.3 | 131.5 | 111.0 | 96.4 | 84.7 | 81.8 |
| 72.5° | 55.5 | 58.4 | 64.3 | 70.1 | 76.0 | 81.8 | 78.9 | 64.3 | 55.5 | 52.6 | 49.7 |
| 75° | 43.8 | 49.7 | 52.6 | 49.7 | 46.8 | 43.8 | 43.8 | 38.0 | 32.1 | 29.2 | 29.2 |
| 77.5° | 43.8 | 46.8 | 43.8 | 38.0 | 32.1 | 29.2 | 26.3 | 23.4 | 17.5 | 14.6 | 17.5 |
| 80° | 38.0 | 38.0 | 38.0 | 32.1 | 29.2 | 26.3 | 23.4 | 20.5 | 17.5 | 14.6 | 14.6 |
| 82.5° | 40.9 | 40.9 | 38.0 | 32.1 | 32.1 | 26.3 | 26.3 | 23.4 | 20.5 | 14.6 | 14.6 |
| 85° | 0.0 | 0.0 | 0.0 | 5.8 | 14.6 | 26.3 | 26.3 | 23.4 | 20.5 | 17.5 | 17.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 5.8 | 11.7 | 14.6 | 17.5 | 17.5 | 17.5 |
| 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-SA7A-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 |
| 2.5° | 6451.6 | 6562.6 | 6773.0 | 6983.4 | 7112.0 | 7263.9 | 7538.6 | 7684.7 | 7874.6 | 7968.1 | 8152.2 |
| 5° | 5198.1 | 5461.1 | 5554.6 | 5794.2 | 6051.3 | 6308.4 | 6717.5 | 7167.5 | 7541.5 | 7798.6 | 8131.7 |
| 7.5° | 3792.7 | 3854.0 | 4216.3 | 4377.0 | 4797.8 | 5265.3 | 5823.4 | 6390.3 | 6863.6 | 7284.4 | 7538.6 |
| 10° | 2843.0 | 3068.0 | 3295.9 | 3602.7 | 3941.7 | 4423.8 | 4958.5 | 5583.8 | 6197.4 | 6618.2 | 6939.6 |
| 12.5° | 2284.9 | 2463.2 | 2767.1 | 3097.2 | 3515.1 | 3833.6 | 4371.2 | 4990.7 | 5785.4 | 6197.4 | 6621.1 |
| 15° | 1729.8 | 1957.7 | 2302.5 | 2644.3 | 3085.6 | 3421.6 | 3965.1 | 4745.2 | 5767.9 | 6334.7 | 6700.0 |
| 17.5° | 1282.7 | 1437.6 | 1747.3 | 2130.1 | 2580.1 | 3053.4 | 3786.8 | 4718.9 | 5963.7 | 6638.6 | 7015.5 |
| 20° | 981.8 | 1034.4 | 1230.1 | 1572.0 | 2060.0 | 2679.4 | 3497.5 | 4832.9 | 6542.2 | 7377.9 | 7760.6 |
| 22.5° | 794.8 | 818.1 | 894.1 | 1130.8 | 1604.1 | 2352.2 | 3360.2 | 4911.8 | 7193.8 | 8263.2 | 8774.5 |
| 25° | 692.5 | 686.7 | 736.3 | 838.6 | 1253.5 | 2045.3 | 3184.9 | 5209.8 | 7991.5 | 9303.4 | 9762.2 |
| 27.5° | 631.1 | 631.1 | 654.5 | 727.6 | 1040.2 | 1846.7 | 3073.9 | 5423.1 | 8795.0 | 10218.0 | 10466.3 |
| 30° | 599.0 | 604.8 | 672.0 | 695.4 | 864.9 | 1610.0 | 2889.8 | 5639.3 | 9563.5 | 10802.4 | 11144.2 |
| 32.5° | 555.2 | 531.8 | 517.2 | 575.6 | 727.6 | 1396.7 | 2705.7 | 5729.9 | 10185.8 | 11518.2 | 11810.4 |
| 35° | 426.6 | 414.9 | 432.4 | 476.3 | 625.3 | 1215.5 | 2501.2 | 5832.2 | 10901.7 | 12348.1 | 12406.5 |
| 37.5° | 385.7 | 382.8 | 394.5 | 432.4 | 525.9 | 1057.7 | 2355.1 | 5805.9 | 11448.1 | 13034.7 | 12876.9 |
| 40° | 356.5 | 356.5 | 365.2 | 397.4 | 470.4 | 946.7 | 2203.1 | 5782.5 | 11977.0 | 13806.1 | 13344.4 |
| 42.5° | 333.1 | 333.1 | 347.7 | 368.2 | 447.1 | 873.7 | 2089.2 | 5750.4 | 12421.1 | 14279.5 | 13619.1 |
| 45° | 301.0 | 309.7 | 333.1 | 353.6 | 452.9 | 824.0 | 2004.4 | 5627.6 | 12573.1 | 14273.6 | 13487.6 |
| 47.5° | 277.6 | 289.3 | 312.6 | 341.9 | 409.1 | 809.4 | 1946.0 | 5519.5 | 12520.5 | 13923.0 | 13075.6 |
| 50° | 251.3 | 265.9 | 298.0 | 347.7 | 347.7 | 780.2 | 1884.6 | 5615.9 | 12482.5 | 13651.2 | 12681.2 |
| 52° | 233.8 | 245.4 | 286.3 | 338.9 | 303.9 | 718.8 | 1846.7 | 5802.9 | 12637.3 | 13616.2 | 12505.8 |
| 52.5° | 230.8 | 239.6 | 277.6 | 333.1 | 289.3 | 707.1 | 1820.4 | 5846.8 | 12687.0 | 13528.5 | 12625.6 |
| 55° | 204.5 | 216.2 | 254.2 | 260.1 | 236.7 | 581.5 | 1735.6 | 5946.1 | 12441.6 | 13356.1 | 12511.7 |
| 57.5° | 192.8 | 198.7 | 225.0 | 213.3 | 204.5 | 438.3 | 1493.1 | 5791.3 | 11050.7 | 11863.0 | 11641.0 |
| 60° | 178.2 | 184.1 | 210.4 | 166.5 | 172.4 | 306.8 | 1122.0 | 5028.6 | 8873.9 | 9884.9 | 10285.2 |
| 62.5° | 172.4 | 169.5 | 198.7 | 134.4 | 146.1 | 222.1 | 791.8 | 4087.8 | 6837.3 | 8137.6 | 8830.1 |
| 65° | 151.9 | 149.0 | 143.2 | 114.0 | 125.6 | 172.4 | 473.4 | 2667.7 | 4818.3 | 6156.5 | 6536.4 |
| 67.5° | 116.9 | 122.7 | 105.2 | 90.6 | 105.2 | 134.4 | 263.0 | 1195.1 | 2527.5 | 3693.3 | 4000.1 |
| 70° | 81.8 | 87.7 | 84.7 | 78.9 | 93.5 | 111.0 | 151.9 | 409.1 | 1046.0 | 1940.2 | 2138.9 |
| 72.5° | 49.7 | 61.4 | 64.3 | 67.2 | 81.8 | 96.4 | 108.1 | 131.5 | 277.6 | 686.7 | 853.2 |
| 75° | 29.2 | 40.9 | 49.7 | 58.4 | 67.2 | 81.8 | 90.6 | 93.5 | 96.4 | 128.6 | 207.5 |
| 77.5° | 20.5 | 29.2 | 43.8 | 55.5 | 67.2 | 81.8 | 96.4 | 102.3 | 96.4 | 90.6 | 96.4 |
| 80° | 17.5 | 29.2 | 40.9 | 52.6 | 70.1 | 84.7 | 96.4 | 96.4 | 93.5 | 81.8 | 87.7 |
| 82.5° | 17.5 | 29.2 | 43.8 | 55.5 | 67.2 | 81.8 | 93.5 | 96.4 | 87.7 | 81.8 | 84.7 |
| 85° | 20.5 | 32.1 | 46.8 | 58.4 | 73.0 | 67.2 | 61.4 | 49.7 | 46.8 | 38.0 | 40.9 |
| 87.5° | 20.5 | 29.2 | 29.2 | 32.1 | 35.1 | 35.1 | 35.1 | 32.1 | 26.3 | 23.4 | 23.4 |
| 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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CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 | 7468.4 |
| 2.5° | 8160.9 | 8394.7 | 8385.9 | 8391.8 | 8356.7 | 8120.0 | 8006.1 | 7716.8 | 7798.6 | 7763.6 |
| 5° | 8473.6 | 8704.4 | 8903.1 | 8879.7 | 8610.9 | 8289.5 | 7813.2 | 7363.3 | 7240.5 | 7059.4 |
| 7.5° | 8160.9 | 8716.1 | 8900.2 | 8873.9 | 8476.5 | 8064.5 | 7304.8 | 6854.8 | 6641.5 | 6521.7 |
| 10° | 7664.2 | 8307.0 | 8534.9 | 8581.7 | 8312.9 | 7687.6 | 6989.2 | 6267.5 | 6153.6 | 5946.1 |
| 12.5° | 7380.8 | 7848.3 | 7988.5 | 8114.2 | 8020.7 | 7553.2 | 6749.7 | 6057.2 | 5899.4 | 5762.0 |
| 15° | 7150.0 | 7427.5 | 7486.0 | 7629.2 | 7684.7 | 7433.4 | 6875.3 | 6285.1 | 5896.4 | 5881.8 |
| 17.5° | 7363.3 | 7249.3 | 7036.0 | 7079.8 | 7255.1 | 7436.3 | 7199.6 | 6735.0 | 6358.1 | 6311.4 |
| 20° | 7716.8 | 7214.2 | 6732.1 | 6840.2 | 6986.3 | 7541.5 | 7690.5 | 7363.3 | 7147.0 | 7027.2 |
| 22.5° | 8123.0 | 7275.6 | 6635.7 | 6688.3 | 6965.9 | 7778.2 | 8485.3 | 8304.1 | 7900.9 | 7728.5 |
| 25° | 8873.9 | 7445.1 | 6711.7 | 6746.7 | 7126.6 | 8108.3 | 9204.1 | 9338.5 | 9098.9 | 9063.8 |
| 27.5° | 9607.3 | 7883.4 | 6878.2 | 6799.3 | 7208.4 | 8429.8 | 9639.4 | 10361.2 | 9940.4 | 9858.6 |
| 30° | 9981.3 | 8239.8 | 7126.6 | 6992.2 | 7547.3 | 8625.5 | 9902.4 | 11027.4 | 10659.2 | 10621.2 |
| 32.5° | 10554.0 | 8564.2 | 7319.4 | 7147.0 | 7737.3 | 8868.0 | 10393.3 | 11754.9 | 11398.4 | 11208.5 |
| 35° | 10793.6 | 8917.7 | 7743.1 | 7541.5 | 8280.7 | 9207.0 | 10644.6 | 12403.6 | 12292.5 | 12108.5 |
| 37.5° | 11255.3 | 9297.6 | 8242.8 | 8231.1 | 8938.2 | 9648.2 | 11097.5 | 13286.0 | 13265.5 | 12947.1 |
| 40° | 11293.2 | 9712.5 | 9031.7 | 9399.8 | 9955.0 | 10416.7 | 11494.9 | 13531.4 | 13864.5 | 13648.3 |
| 42.5° | 11351.7 | 10440.0 | 10396.2 | 10700.1 | 11176.4 | 11077.0 | 11509.5 | 13589.9 | 14098.3 | 13969.7 |
| 45° | 11378.0 | 11167.6 | 11784.1 | 12345.1 | 12543.8 | 11941.9 | 11372.1 | 13478.8 | 14221.0 | 13899.6 |
| 47.5° | 11167.6 | 11792.9 | 12906.2 | 13990.2 | 14048.6 | 12473.7 | 11313.7 | 13364.9 | 14294.1 | 14080.8 |
| 50° | 11196.8 | 12184.4 | 13876.2 | 14846.3 | 14633.0 | 12944.1 | 11223.1 | 13294.8 | 14256.1 | 14112.9 |
| 52° | 11126.7 | 12193.2 | 14013.6 | 14828.8 | 14679.8 | 12684.1 | 11068.3 | 13026.0 | 14221.0 | 14323.3 |
| 52.5° | 11205.6 | 12140.6 | 13870.4 | 14840.5 | 14647.6 | 12812.6 | 11047.8 | 13175.0 | 14241.5 | 14034.0 |
| 55° | 10933.9 | 11515.3 | 13031.8 | 13443.8 | 13414.6 | 11629.3 | 10419.6 | 12681.2 | 13706.8 | 13709.7 |
| 57.5° | 9882.0 | 9981.3 | 10220.9 | 10212.1 | 10077.7 | 9142.7 | 8911.9 | 11661.4 | 12219.5 | 11915.6 |
| 60° | 8707.3 | 7307.7 | 6662.0 | 6399.0 | 6250.0 | 6098.1 | 7883.4 | 10668.0 | 10720.6 | 10592.0 |
| 62.5° | 7524.0 | 5066.6 | 4207.6 | 4134.5 | 4169.6 | 4724.8 | 7620.4 | 10273.5 | 9957.9 | 9680.3 |
| 65° | 6071.8 | 3693.3 | 3056.3 | 2959.9 | 3301.8 | 3900.8 | 6168.2 | 7877.5 | 7392.5 | 7161.6 |
| 67.5° | 3813.1 | 2694.0 | 2065.8 | 1884.6 | 2296.6 | 2685.3 | 4052.7 | 4949.7 | 4406.3 | 4087.8 |
| 70° | 2261.6 | 1504.8 | 935.0 | 838.6 | 943.8 | 1431.7 | 2270.3 | 2469.0 | 2042.4 | 1878.8 |
| 72.5° | 891.2 | 552.2 | 260.1 | 222.1 | 230.8 | 502.6 | 835.7 | 815.2 | 616.5 | 549.3 |
| 75° | 239.6 | 166.5 | 90.6 | 73.0 | 61.4 | 93.5 | 134.4 | 87.7 | 32.1 | 40.9 |
| 77.5° | 111.0 | 99.3 | 78.9 | 61.4 | 46.8 | 35.1 | 17.5 | 5.8 | 5.8 | 2.9 |
| 80° | 96.4 | 84.7 | 73.0 | 61.4 | 46.8 | 29.2 | 14.6 | 2.9 | 2.9 | 2.9 |
| 82.5° | 90.6 | 78.9 | 67.2 | 55.5 | 43.8 | 29.2 | 14.6 | 2.9 | 0.0 | 0.0 |
| 85° | 38.0 | 49.7 | 55.5 | 52.6 | 46.8 | 29.2 | 14.6 | 2.9 | 0.0 | 0.0 |
| 87.5° | 20.5 | 17.5 | 14.6 | 11.7 | 8.8 | 5.8 | 5.8 | 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 |

(END OF REPORT)