

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: P529823

Luminaire Tested: **GLAN-SA5A-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529823  
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-SA5A-730-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 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: 11530 lumens  
Efficiency: N/A  
Efficacy: 74.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

Input Watts (W): 154  
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



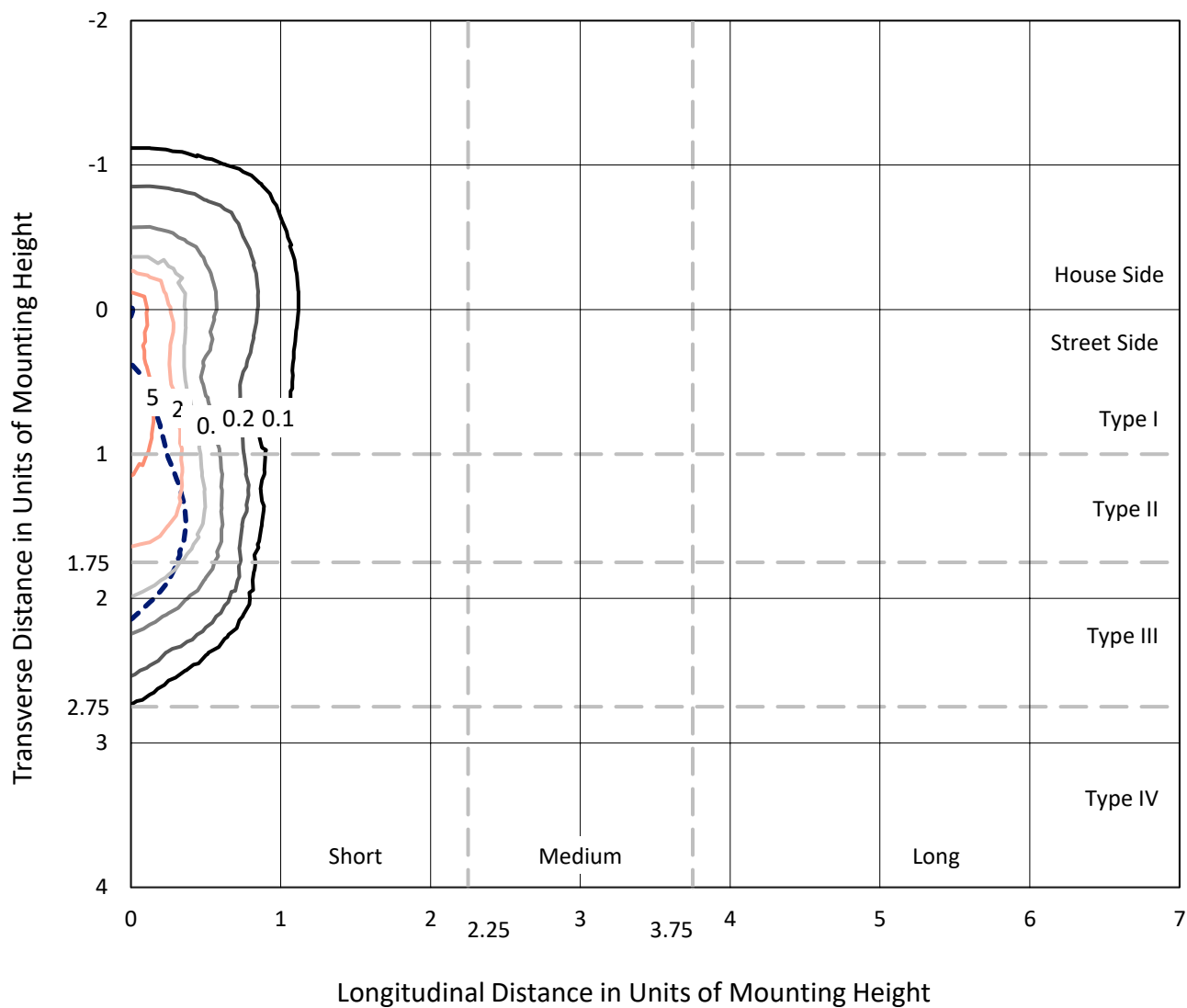
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



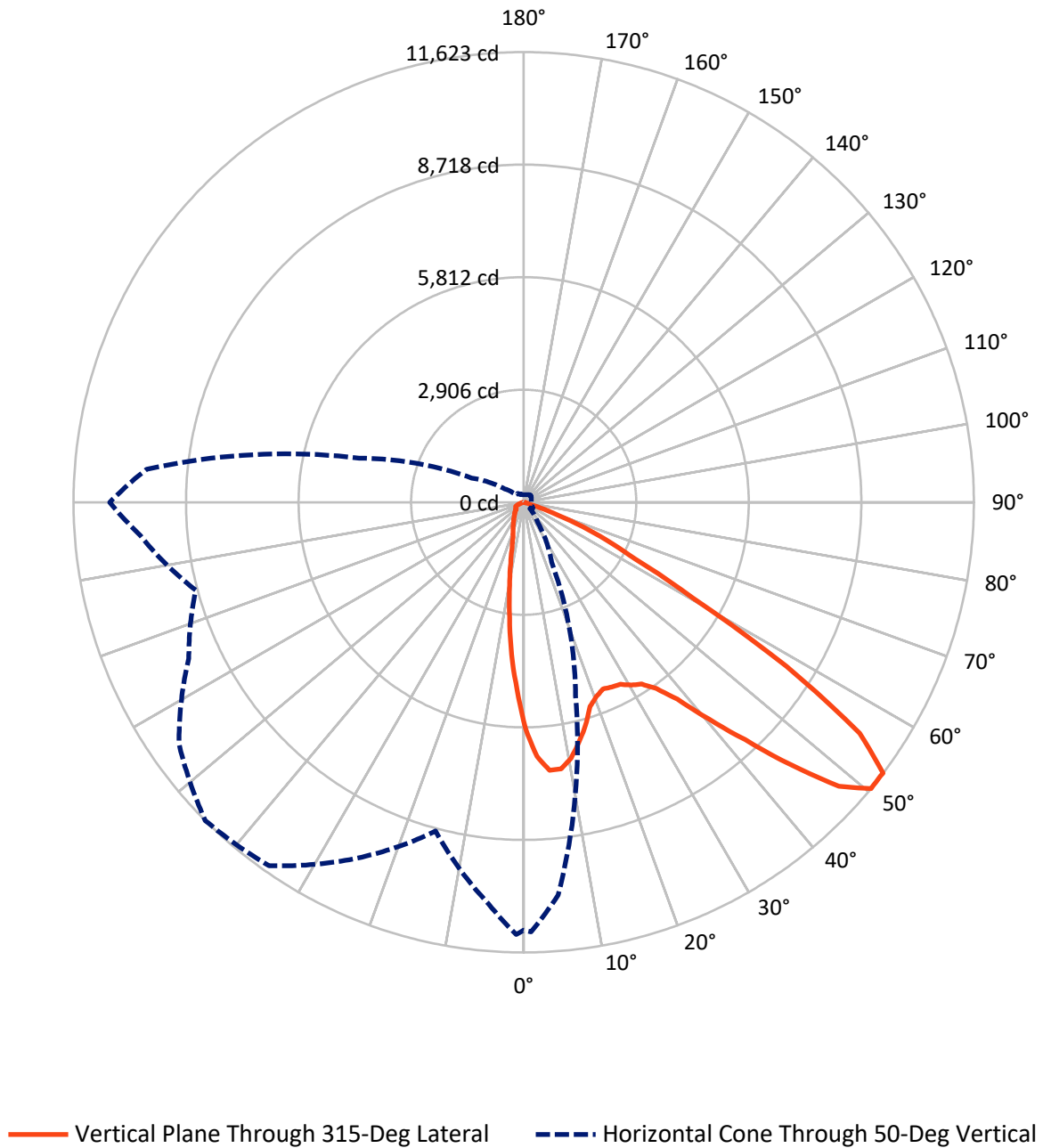
Based on 25 foot mounting height. Maximum calculated value = 9.4 fc

Type III - Short - N/A

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## Luminous Intensity Polar Plot



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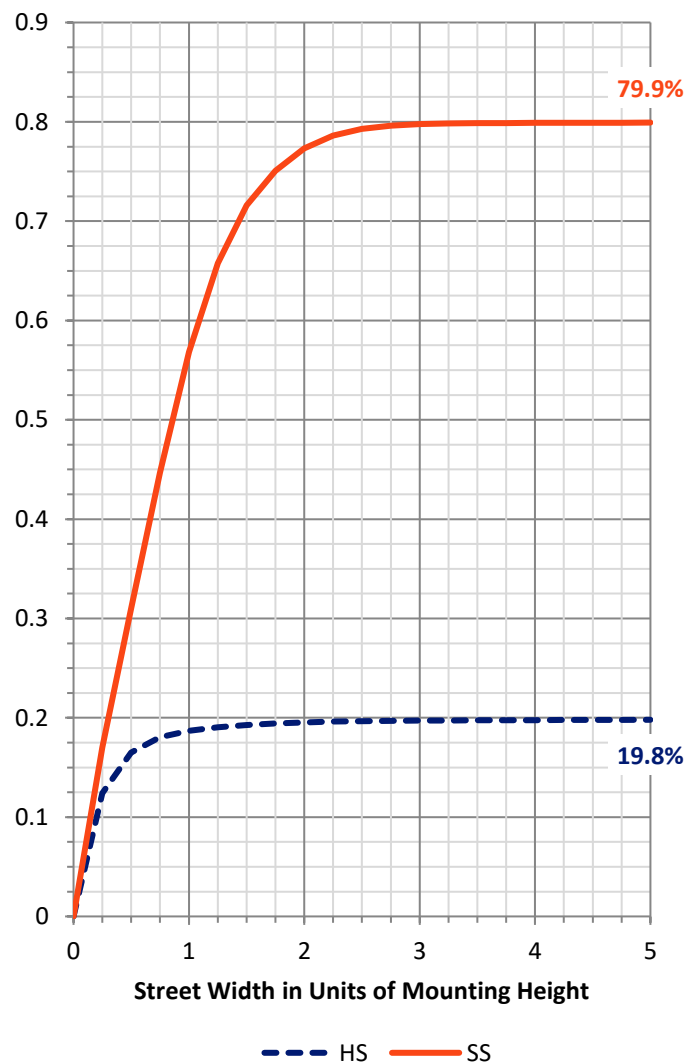
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2309.5   | 0.0    | 2309.5  |
|                    | % Fixture | 20.0     | 0.0    | 20.0    |
| <b>Street Side</b> | Lumens    | 9220.5   | 0.0    | 9220.5  |
|                    | % Fixture | 80.0     | 0.0    | 80.0    |
| <b>Total</b>       | Lumens    | 11530.0  | 0.0    | 11530.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 426.2   | 3.7       |
| 10°-20°   | 847.0   | 7.3       |
| 20°-30°   | 1272.5  | 11.0      |
| 30°-40°   | 1910.0  | 16.6      |
| 40°-50°   | 2684.4  | 23.3      |
| 50°-60°   | 2895.6  | 25.1      |
| 60°-70°   | 1344.4  | 11.7      |
| 70°-80°   | 126.5   | 1.1       |
| 80°-90°   | 23.3    | 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°    | 11530.0 | 100.0     |
| 0°-180°   | 11530.0 | 100.0     |

**Coefficient of Utilization**



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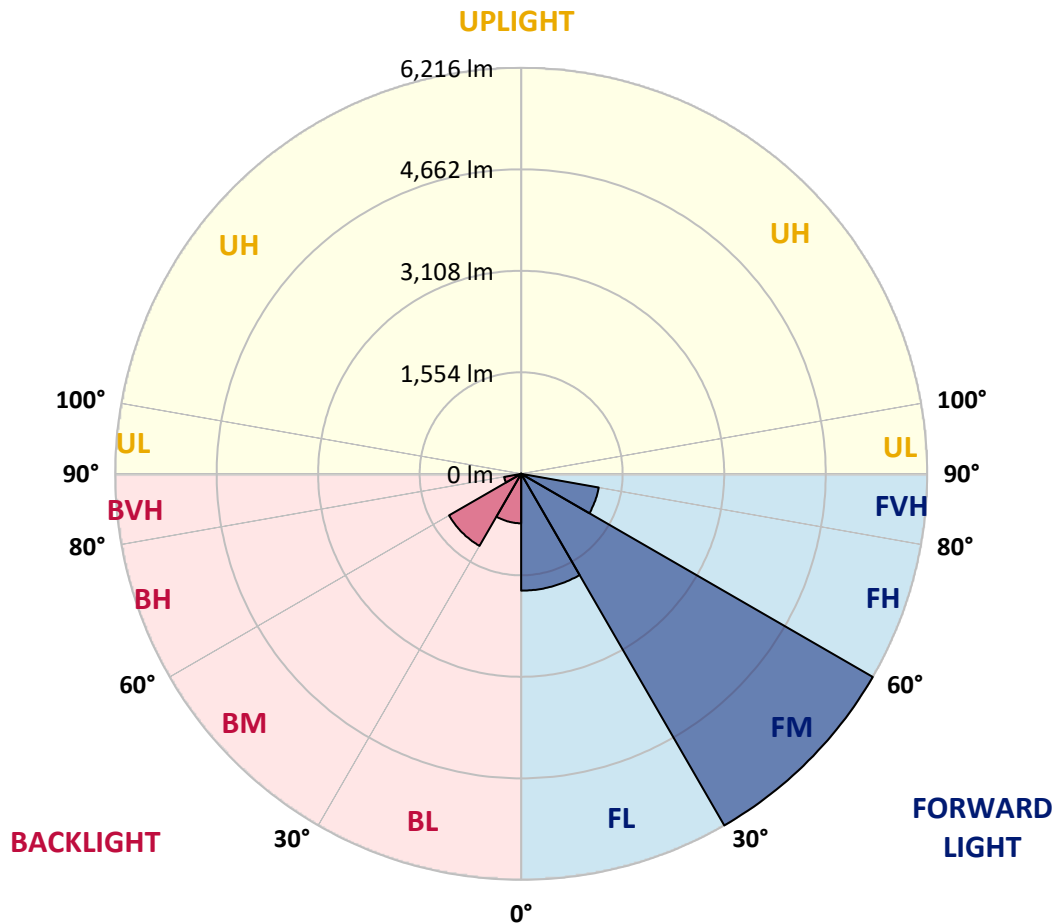
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1788.8 | 15.5      |                         |      |         |
| FM   | (30°-60°)   | 6215.5 | 53.9      |                         |      |         |
| FH   | (60°-80°)   | 1205.7 | 10.5      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 10.5   | 0.1       |                         |      | G1/100  |
| BL   | (0°-30°)    | 757.0  | 6.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1274.5 | 11.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 265.2  | 2.3       | 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: B2-U0-G1**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5847.2  | 5847.2  | 5847.2  | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 |
| 2.5°  | 6078.2  | 5984.4  | 5865.5  | 5767.1 | 5620.7 | 5325.6 | 5245.5 | 5149.4 | 5069.4 | 4961.9 | 4810.9 |
| 5°    | 5526.9  | 5497.2  | 5442.3  | 5071.7 | 4804.0 | 4447.1 | 4154.3 | 4030.8 | 3868.4 | 3735.7 | 3639.6 |
| 7.5°  | 5106.0  | 4987.0  | 4813.2  | 4440.3 | 4012.5 | 3630.5 | 3305.6 | 3115.7 | 2900.7 | 2827.5 | 2697.1 |
| 10°   | 4655.3  | 4682.8  | 4426.5  | 3902.7 | 3385.7 | 3076.9 | 2875.5 | 2692.5 | 2498.1 | 2370.0 | 2184.7 |
| 12.5° | 4511.2  | 4422.0  | 4225.2  | 3577.8 | 3136.3 | 2848.1 | 2603.3 | 2376.8 | 2171.0 | 1965.1 | 1786.6 |
| 15°   | 4605.0  | 4467.7  | 4193.2  | 3509.2 | 2944.2 | 2585.0 | 2278.5 | 1971.9 | 1782.1 | 1519.0 | 1333.7 |
| 17.5° | 4941.3  | 4831.5  | 4463.2  | 3582.4 | 2845.8 | 2333.4 | 1878.1 | 1562.4 | 1271.9 | 1034.0 | 940.2  |
| 20°   | 5501.7  | 5346.2  | 4884.1  | 3676.2 | 2699.4 | 2029.1 | 1523.6 | 1134.7 | 860.1  | 759.5  | 706.9  |
| 22.5° | 6050.8  | 5966.1  | 5382.8  | 3856.9 | 2569.0 | 1759.2 | 1143.8 | 764.1  | 642.8  | 624.5  | 590.2  |
| 25°   | 7096.2  | 6842.3  | 6144.6  | 4184.1 | 2468.3 | 1505.3 | 862.4  | 615.4  | 544.5  | 530.7  | 535.3  |
| 27.5° | 7718.4  | 7505.7  | 6849.1  | 4401.4 | 2356.3 | 1310.8 | 729.8  | 565.0  | 517.0  | 487.3  | 475.8  |
| 30°   | 8315.5  | 8068.4  | 7199.1  | 4529.5 | 2116.1 | 1104.9 | 647.4  | 542.2  | 530.7  | 487.3  | 473.5  |
| 32.5° | 8775.3  | 8532.8  | 7704.7  | 4721.7 | 2017.7 | 972.2  | 533.0  | 423.2  | 393.5  | 388.9  | 430.1  |
| 35°   | 9479.9  | 9221.4  | 8137.1  | 4826.9 | 1942.2 | 903.6  | 462.1  | 377.5  | 343.1  | 329.4  | 331.7  |
| 37.5° | 10136.5 | 9960.3  | 8537.4  | 4868.1 | 1862.1 | 883.0  | 414.1  | 338.6  | 308.8  | 299.7  | 297.4  |
| 40°   | 10685.5 | 10292.0 | 8917.2  | 4911.5 | 1827.8 | 844.1  | 384.3  | 308.8  | 288.2  | 274.5  | 274.5  |
| 42.5° | 10937.1 | 10536.8 | 9342.7  | 4886.4 | 1818.7 | 782.4  | 384.3  | 283.7  | 267.7  | 253.9  | 251.6  |
| 45°   | 10882.2 | 10719.8 | 9532.5  | 4874.9 | 1818.7 | 720.6  | 350.0  | 276.8  | 253.9  | 235.6  | 231.0  |
| 47.5° | 11024.1 | 10811.3 | 9770.4  | 4923.0 | 1782.1 | 677.1  | 295.1  | 290.5  | 240.2  | 217.3  | 212.7  |
| 50°   | 11049.2 | 11090.4 | 10184.5 | 5172.3 | 1702.0 | 622.2  | 231.0  | 286.0  | 231.0  | 196.7  | 192.2  |
| 52°   | 11213.9 | 10957.7 | 10310.3 | 5305.0 | 1617.3 | 581.1  | 194.4  | 244.8  | 221.9  | 183.0  | 178.4  |
| 52.5° | 10987.5 | 11154.4 | 10340.1 | 5353.0 | 1626.5 | 553.6  | 187.6  | 240.2  | 217.3  | 183.0  | 171.6  |
| 55°   | 10733.5 | 10893.7 | 10218.8 | 5456.0 | 1491.5 | 434.6  | 146.4  | 173.9  | 196.7  | 160.1  | 153.3  |
| 57.5° | 9328.9  | 9491.3  | 8880.6  | 4996.2 | 1214.7 | 306.5  | 121.2  | 130.4  | 173.9  | 148.7  | 141.8  |
| 60°   | 8292.6  | 8176.0  | 7453.1  | 4168.0 | 862.4  | 171.6  | 96.1   | 100.7  | 189.9  | 137.3  | 135.0  |
| 62.5° | 7578.9  | 7329.5  | 6229.2  | 3218.7 | 526.2  | 114.4  | 75.5   | 77.8   | 146.4  | 128.1  | 128.1  |
| 65°   | 5607.0  | 5327.9  | 4138.3  | 1946.8 | 258.5  | 80.1   | 57.2   | 61.8   | 91.5   | 109.8  | 109.8  |
| 67.5° | 3200.4  | 3092.9  | 1999.4  | 878.4  | 107.5  | 50.3   | 43.5   | 48.0   | 70.9   | 89.2   | 84.6   |
| 70°   | 1470.9  | 1320.0  | 768.6   | 185.3  | 50.3   | 34.3   | 34.3   | 38.9   | 57.2   | 66.3   | 61.8   |
| 72.5° | 430.1   | 407.2   | 187.6   | 29.7   | 20.6   | 20.6   | 22.9   | 29.7   | 43.5   | 50.3   | 45.8   |
| 75°   | 32.0    | 20.6    | 13.7    | 9.2    | 9.2    | 13.7   | 18.3   | 29.7   | 43.5   | 48.0   | 38.9   |
| 77.5° | 2.3     | 4.6     | 2.3     | 2.3    | 6.9    | 13.7   | 20.6   | 36.6   | 57.2   | 59.5   | 43.5   |
| 80°   | 2.3     | 2.3     | 0.0     | 2.3    | 6.9    | 13.7   | 22.9   | 41.2   | 64.1   | 68.6   | 36.6   |
| 82.5° | 0.0     | 0.0     | 0.0     | 2.3    | 9.2    | 18.3   | 27.5   | 43.5   | 59.5   | 73.2   | 38.9   |
| 85°   | 0.0     | 0.0     | 0.0     | 2.3    | 13.7   | 25.2   | 32.0   | 11.4   | 6.9    | 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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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 |
| 2.5°  | 4918.4 | 4858.9 | 4836.0 | 4856.6 | 4849.8 | 4842.9 | 4968.7 | 4941.3 | 4936.7 | 4977.9 | 4968.7 |
| 5°    | 3692.2 | 3587.0 | 3875.2 | 3758.6 | 3879.8 | 3953.0 | 3966.7 | 3973.6 | 4058.2 | 3969.0 | 4085.7 |
| 7.5°  | 2630.8 | 2658.2 | 2655.9 | 2733.7 | 2873.3 | 2996.8 | 3070.0 | 3012.8 | 3008.2 | 2996.8 | 2946.5 |
| 10°   | 2102.3 | 2054.3 | 2045.1 | 2026.8 | 2070.3 | 2175.5 | 2264.7 | 2193.8 | 2143.5 | 2212.1 | 2191.5 |
| 12.5° | 1718.0 | 1651.7 | 1615.1 | 1541.9 | 1544.1 | 1615.1 | 1615.1 | 1615.1 | 1665.4 | 1704.3 | 1734.0 |
| 15°   | 1317.7 | 1262.8 | 1262.8 | 1189.6 | 1173.6 | 1175.8 | 1212.4 | 1217.0 | 1297.1 | 1320.0 | 1331.4 |
| 17.5° | 921.9  | 892.2  | 926.5  | 956.2  | 937.9  | 942.5  | 956.2  | 960.8  | 972.2  | 963.1  | 986.0  |
| 20°   | 709.2  | 704.6  | 713.7  | 766.4  | 805.2  | 828.1  | 812.1  | 789.2  | 775.5  | 743.5  | 743.5  |
| 22.5° | 601.6  | 610.8  | 626.8  | 670.3  | 720.6  | 734.3  | 716.0  | 663.4  | 622.2  | 617.7  | 619.9  |
| 25°   | 535.3  | 544.5  | 569.6  | 597.1  | 624.5  | 647.4  | 629.1  | 590.2  | 567.3  | 546.7  | 546.7  |
| 27.5° | 494.1  | 498.7  | 512.4  | 533.0  | 555.9  | 574.2  | 567.3  | 546.7  | 521.6  | 512.4  | 491.8  |
| 30°   | 462.1  | 469.0  | 485.0  | 489.6  | 510.1  | 519.3  | 507.9  | 503.3  | 487.3  | 475.8  | 469.0  |
| 32.5° | 446.1  | 443.8  | 455.2  | 459.8  | 462.1  | 469.0  | 455.2  | 462.1  | 459.8  | 441.5  | 434.6  |
| 35°   | 336.3  | 354.6  | 384.3  | 409.5  | 416.3  | 425.5  | 423.2  | 414.1  | 388.9  | 368.3  | 343.1  |
| 37.5° | 302.0  | 313.4  | 329.4  | 350.0  | 377.5  | 388.9  | 384.3  | 361.4  | 331.7  | 318.0  | 313.4  |
| 40°   | 279.1  | 286.0  | 299.7  | 313.4  | 340.9  | 361.4  | 345.4  | 324.8  | 302.0  | 290.5  | 283.7  |
| 42.5° | 258.5  | 260.8  | 267.7  | 281.4  | 302.0  | 334.0  | 306.5  | 279.1  | 269.9  | 263.1  | 258.5  |
| 45°   | 235.6  | 235.6  | 244.8  | 251.6  | 274.5  | 304.3  | 276.8  | 251.6  | 247.1  | 242.5  | 240.2  |
| 47.5° | 217.3  | 219.6  | 224.2  | 233.3  | 251.6  | 272.2  | 253.9  | 233.3  | 221.9  | 219.6  | 215.0  |
| 50°   | 194.4  | 196.7  | 205.9  | 215.0  | 237.9  | 249.4  | 237.9  | 215.0  | 203.6  | 196.7  | 196.7  |
| 52°   | 176.1  | 183.0  | 192.2  | 210.5  | 226.5  | 244.8  | 231.0  | 205.9  | 192.2  | 185.3  | 180.7  |
| 52.5° | 173.9  | 178.4  | 187.6  | 208.2  | 226.5  | 242.5  | 228.8  | 203.6  | 187.6  | 183.0  | 178.4  |
| 55°   | 155.6  | 162.4  | 178.4  | 203.6  | 224.2  | 242.5  | 224.2  | 201.3  | 178.4  | 167.0  | 162.4  |
| 57.5° | 148.7  | 153.3  | 173.9  | 205.9  | 221.9  | 242.5  | 224.2  | 201.3  | 178.4  | 157.8  | 153.3  |
| 60°   | 141.8  | 151.0  | 173.9  | 199.0  | 219.6  | 244.8  | 226.5  | 199.0  | 173.9  | 148.7  | 148.7  |
| 62.5° | 135.0  | 141.8  | 171.6  | 194.4  | 210.5  | 235.6  | 217.3  | 194.4  | 167.0  | 141.8  | 139.5  |
| 65°   | 116.7  | 128.1  | 151.0  | 162.4  | 180.7  | 203.6  | 185.3  | 169.3  | 146.4  | 125.8  | 123.5  |
| 67.5° | 89.2   | 93.8   | 112.1  | 125.8  | 137.3  | 157.8  | 148.7  | 128.1  | 112.1  | 96.1   | 96.1   |
| 70°   | 61.8   | 66.3   | 80.1   | 86.9   | 98.4   | 109.8  | 102.9  | 86.9   | 75.5   | 66.3   | 64.1   |
| 72.5° | 43.5   | 45.8   | 50.3   | 54.9   | 59.5   | 64.1   | 61.8   | 50.3   | 43.5   | 41.2   | 38.9   |
| 75°   | 34.3   | 38.9   | 41.2   | 38.9   | 36.6   | 34.3   | 34.3   | 29.7   | 25.2   | 22.9   | 22.9   |
| 77.5° | 34.3   | 36.6   | 34.3   | 29.7   | 25.2   | 22.9   | 20.6   | 18.3   | 13.7   | 11.4   | 13.7   |
| 80°   | 29.7   | 29.7   | 29.7   | 25.2   | 22.9   | 20.6   | 18.3   | 16.0   | 13.7   | 11.4   | 11.4   |
| 82.5° | 32.0   | 32.0   | 29.7   | 25.2   | 25.2   | 20.6   | 20.6   | 18.3   | 16.0   | 11.4   | 11.4   |
| 85°   | 0.0    | 0.0    | 0.0    | 4.6    | 11.4   | 20.6   | 20.6   | 18.3   | 16.0   | 13.7   | 13.7   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 2.3    | 4.6    | 9.2    | 11.4   | 13.7   | 13.7   | 13.7   |
| 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):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°    | 275°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2 | 5847.2  | 5847.2  |
| 2.5°  | 5051.1 | 5138.0 | 5302.7 | 5467.4 | 5568.1 | 5687.0 | 5902.1 | 6016.4 | 6165.1 | 6238.3  | 6382.5  |
| 5°    | 4069.7 | 4275.6 | 4348.8 | 4536.4 | 4737.7 | 4939.0 | 5259.2 | 5611.5 | 5904.4 | 6105.7  | 6366.5  |
| 7.5°  | 2969.3 | 3017.4 | 3301.0 | 3426.9 | 3756.3 | 4122.3 | 4559.2 | 5003.0 | 5373.6 | 5703.0  | 5902.1  |
| 10°   | 2225.9 | 2402.0 | 2580.4 | 2820.6 | 3086.0 | 3463.5 | 3882.1 | 4371.6 | 4852.0 | 5181.5  | 5433.1  |
| 12.5° | 1788.9 | 1928.5 | 2166.4 | 2424.9 | 2752.0 | 3001.4 | 3422.3 | 3907.3 | 4529.5 | 4852.0  | 5183.8  |
| 15°   | 1354.3 | 1532.7 | 1802.6 | 2070.3 | 2415.7 | 2678.8 | 3104.3 | 3715.1 | 4515.8 | 4959.6  | 5245.5  |
| 17.5° | 1004.3 | 1125.5 | 1368.0 | 1667.7 | 2020.0 | 2390.6 | 2964.8 | 3694.5 | 4669.0 | 5197.5  | 5492.6  |
| 20°   | 768.6  | 809.8  | 963.1  | 1230.7 | 1612.8 | 2097.7 | 2738.3 | 3783.7 | 5122.0 | 5776.2  | 6075.9  |
| 22.5° | 622.2  | 640.5  | 700.0  | 885.3  | 1255.9 | 1841.5 | 2630.8 | 3845.5 | 5632.1 | 6469.4  | 6869.7  |
| 25°   | 542.2  | 537.6  | 576.5  | 656.5  | 981.4  | 1601.3 | 2493.5 | 4078.8 | 6256.6 | 7283.8  | 7642.9  |
| 27.5° | 494.1  | 494.1  | 512.4  | 569.6  | 814.4  | 1445.8 | 2406.6 | 4245.8 | 6885.7 | 7999.8  | 8194.3  |
| 30°   | 469.0  | 473.5  | 526.2  | 544.5  | 677.1  | 1260.5 | 2262.5 | 4415.1 | 7487.4 | 8457.3  | 8725.0  |
| 32.5° | 434.6  | 416.3  | 404.9  | 450.7  | 569.6  | 1093.5 | 2118.3 | 4486.0 | 7974.7 | 9017.8  | 9246.6  |
| 35°   | 334.0  | 324.8  | 338.6  | 372.9  | 489.6  | 951.7  | 1958.2 | 4566.1 | 8535.1 | 9667.5  | 9713.2  |
| 37.5° | 302.0  | 299.7  | 308.8  | 338.6  | 411.8  | 828.1  | 1843.8 | 4545.5 | 8962.9 | 10205.1 | 10081.6 |
| 40°   | 279.1  | 279.1  | 286.0  | 311.1  | 368.3  | 741.2  | 1724.9 | 4527.2 | 9377.0 | 10809.0 | 10447.6 |
| 42.5° | 260.8  | 260.8  | 272.2  | 288.2  | 350.0  | 684.0  | 1635.7 | 4502.0 | 9724.7 | 11179.6 | 10662.6 |
| 45°   | 235.6  | 242.5  | 260.8  | 276.8  | 354.6  | 645.1  | 1569.3 | 4406.0 | 9843.6 | 11175.0 | 10559.7 |
| 47.5° | 217.3  | 226.5  | 244.8  | 267.7  | 320.3  | 633.7  | 1523.6 | 4321.3 | 9802.5 | 10900.5 | 10237.1 |
| 50°   | 196.7  | 208.2  | 233.3  | 272.2  | 272.2  | 610.8  | 1475.5 | 4396.8 | 9772.7 | 10687.8 | 9928.3  |
| 52°   | 183.0  | 192.2  | 224.2  | 265.4  | 237.9  | 562.8  | 1445.8 | 4543.2 | 9894.0 | 10660.3 | 9791.0  |
| 52.5° | 180.7  | 187.6  | 217.3  | 260.8  | 226.5  | 553.6  | 1425.2 | 4577.5 | 9932.9 | 10591.7 | 9884.8  |
| 55°   | 160.1  | 169.3  | 199.0  | 203.6  | 185.3  | 455.2  | 1358.8 | 4655.3 | 9740.7 | 10456.7 | 9795.6  |
| 57.5° | 151.0  | 155.6  | 176.1  | 167.0  | 160.1  | 343.1  | 1169.0 | 4534.1 | 8651.8 | 9287.7  | 9113.9  |
| 60°   | 139.5  | 144.1  | 164.7  | 130.4  | 135.0  | 240.2  | 878.4  | 3937.0 | 6947.5 | 7739.0  | 8052.4  |
| 62.5° | 135.0  | 132.7  | 155.6  | 105.2  | 114.4  | 173.9  | 619.9  | 3200.4 | 5353.0 | 6371.0  | 6913.2  |
| 65°   | 119.0  | 116.7  | 112.1  | 89.2   | 98.4   | 135.0  | 370.6  | 2088.6 | 3772.3 | 4820.0  | 5117.4  |
| 67.5° | 91.5   | 96.1   | 82.4   | 70.9   | 82.4   | 105.2  | 205.9  | 935.6  | 1978.8 | 2891.6  | 3131.8  |
| 70°   | 64.1   | 68.6   | 66.3   | 61.8   | 73.2   | 86.9   | 119.0  | 320.3  | 819.0  | 1519.0  | 1674.5  |
| 72.5° | 38.9   | 48.0   | 50.3   | 52.6   | 64.1   | 75.5   | 84.6   | 102.9  | 217.3  | 537.6   | 668.0   |
| 75°   | 22.9   | 32.0   | 38.9   | 45.8   | 52.6   | 64.1   | 70.9   | 73.2   | 75.5   | 100.7   | 162.4   |
| 77.5° | 16.0   | 22.9   | 34.3   | 43.5   | 52.6   | 64.1   | 75.5   | 80.1   | 75.5   | 70.9    | 75.5    |
| 80°   | 13.7   | 22.9   | 32.0   | 41.2   | 54.9   | 66.3   | 75.5   | 75.5   | 73.2   | 64.1    | 68.6    |
| 82.5° | 13.7   | 22.9   | 34.3   | 43.5   | 52.6   | 64.1   | 73.2   | 75.5   | 68.6   | 64.1    | 66.3    |
| 85°   | 16.0   | 25.2   | 36.6   | 45.8   | 57.2   | 52.6   | 48.0   | 38.9   | 36.6   | 29.7    | 32.0    |
| 87.5° | 16.0   | 22.9   | 22.9   | 25.2   | 27.5   | 27.5   | 27.5   | 25.2   | 20.6   | 18.3    | 18.3    |
| 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°    | 5847.2 | 5847.2 | 5847.2  | 5847.2  | 5847.2  | 5847.2  | 5847.2 | 5847.2  | 5847.2  | 5847.2  |
| 2.5°  | 6389.3 | 6572.3 | 6565.5  | 6570.1  | 6542.6  | 6357.3  | 6268.1 | 6041.6  | 6105.7  | 6078.2  |
| 5°    | 6634.1 | 6814.8 | 6970.4  | 6952.1  | 6741.6  | 6490.0  | 6117.1 | 5764.8  | 5668.7  | 5526.9  |
| 7.5°  | 6389.3 | 6824.0 | 6968.1  | 6947.5  | 6636.4  | 6313.8  | 5719.1 | 5366.8  | 5199.8  | 5106.0  |
| 10°   | 6000.4 | 6503.7 | 6682.1  | 6718.7  | 6508.3  | 6018.7  | 5472.0 | 4907.0  | 4817.7  | 4655.3  |
| 12.5° | 5778.5 | 6144.6 | 6254.4  | 6352.7  | 6279.5  | 5913.5  | 5284.4 | 4742.2  | 4618.7  | 4511.2  |
| 15°   | 5597.8 | 5815.1 | 5860.9  | 5973.0  | 6016.4  | 5819.7  | 5382.8 | 4920.7  | 4616.4  | 4605.0  |
| 17.5° | 5764.8 | 5675.6 | 5508.6  | 5542.9  | 5680.2  | 5822.0  | 5636.7 | 5273.0  | 4977.9  | 4941.3  |
| 20°   | 6041.6 | 5648.1 | 5270.7  | 5355.3  | 5469.7  | 5904.4  | 6021.0 | 5764.8  | 5595.5  | 5501.7  |
| 22.5° | 6359.6 | 5696.2 | 5195.2  | 5236.4  | 5453.7  | 6089.7  | 6643.3 | 6501.4  | 6185.7  | 6050.8  |
| 25°   | 6947.5 | 5828.9 | 5254.7  | 5282.1  | 5579.5  | 6348.2  | 7206.0 | 7311.2  | 7123.7  | 7096.2  |
| 27.5° | 7521.7 | 6172.0 | 5385.1  | 5323.3  | 5643.6  | 6599.8  | 7546.9 | 8111.9  | 7782.5  | 7718.4  |
| 30°   | 7814.5 | 6451.1 | 5579.5  | 5474.3  | 5908.9  | 6753.1  | 7752.8 | 8633.5  | 8345.2  | 8315.5  |
| 32.5° | 8262.9 | 6705.0 | 5730.5  | 5595.5  | 6057.6  | 6942.9  | 8137.1 | 9203.1  | 8924.0  | 8775.3  |
| 35°   | 8450.5 | 6981.8 | 6062.2  | 5904.4  | 6483.1  | 7208.3  | 8333.8 | 9711.0  | 9624.0  | 9479.9  |
| 37.5° | 8811.9 | 7279.2 | 6453.4  | 6444.2  | 6997.8  | 7553.7  | 8688.4 | 10401.8 | 10385.8 | 10136.5 |
| 40°   | 8841.7 | 7604.1 | 7071.0  | 7359.3  | 7793.9  | 8155.4  | 8999.5 | 10594.0 | 10854.8 | 10685.5 |
| 42.5° | 8887.4 | 8173.7 | 8139.4  | 8377.3  | 8750.2  | 8672.4  | 9010.9 | 10639.7 | 11037.8 | 10937.1 |
| 45°   | 8908.0 | 8743.3 | 9226.0  | 9665.2  | 9820.8  | 9349.5  | 8903.4 | 10552.8 | 11133.9 | 10882.2 |
| 47.5° | 8743.3 | 9232.8 | 10104.4 | 10953.1 | 10998.9 | 9765.9  | 8857.7 | 10463.6 | 11191.0 | 11024.1 |
| 50°   | 8766.2 | 9539.4 | 10863.9 | 11623.4 | 11456.4 | 10134.2 | 8786.8 | 10408.7 | 11161.3 | 11049.2 |
| 52°   | 8711.3 | 9546.2 | 10971.4 | 11609.7 | 11493.0 | 9930.6  | 8665.5 | 10198.2 | 11133.9 | 11213.9 |
| 52.5° | 8773.0 | 9505.1 | 10859.3 | 11618.8 | 11467.9 | 10031.2 | 8649.5 | 10314.9 | 11149.9 | 10987.5 |
| 55°   | 8560.3 | 9015.5 | 10202.8 | 10525.4 | 10502.5 | 9104.7  | 8157.7 | 9928.3  | 10731.2 | 10733.5 |
| 57.5° | 7736.7 | 7814.5 | 8002.1  | 7995.2  | 7890.0  | 7158.0  | 6977.2 | 9129.9  | 9566.8  | 9328.9  |
| 60°   | 6817.1 | 5721.3 | 5215.8  | 5009.9  | 4893.2  | 4774.3  | 6172.0 | 8352.1  | 8393.3  | 8292.6  |
| 62.5° | 5890.6 | 3966.7 | 3294.2  | 3237.0  | 3264.4  | 3699.1  | 5966.1 | 8043.3  | 7796.2  | 7578.9  |
| 65°   | 4753.7 | 2891.6 | 2392.9  | 2317.4  | 2585.0  | 3054.0  | 4829.2 | 6167.4  | 5787.7  | 5607.0  |
| 67.5° | 2985.3 | 2109.2 | 1617.3  | 1475.5  | 1798.1  | 2102.3  | 3172.9 | 3875.2  | 3449.7  | 3200.4  |
| 70°   | 1770.6 | 1178.1 | 732.0   | 656.5   | 738.9   | 1120.9  | 1777.5 | 1933.0  | 1599.0  | 1470.9  |
| 72.5° | 697.7  | 432.4  | 203.6   | 173.9   | 180.7   | 393.5   | 654.3  | 638.2   | 482.7   | 430.1   |
| 75°   | 187.6  | 130.4  | 70.9    | 57.2    | 48.0    | 73.2    | 105.2  | 68.6    | 25.2    | 32.0    |
| 77.5° | 86.9   | 77.8   | 61.8    | 48.0    | 36.6    | 27.5    | 13.7   | 4.6     | 4.6     | 2.3     |
| 80°   | 75.5   | 66.3   | 57.2    | 48.0    | 36.6    | 22.9    | 11.4   | 2.3     | 2.3     | 2.3     |
| 82.5° | 70.9   | 61.8   | 52.6    | 43.5    | 34.3    | 22.9    | 11.4   | 2.3     | 0.0     | 0.0     |
| 85°   | 29.7   | 38.9   | 43.5    | 41.2    | 36.6    | 22.9    | 11.4   | 2.3     | 0.0     | 0.0     |
| 87.5° | 16.0   | 13.7   | 11.4    | 9.2     | 6.9     | 4.6     | 4.6    | 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)