

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: P532285

Luminaire Tested: **GLAN-SA7C-827-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532285  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA7C-827-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23263 lumens  
Efficiency: N/A  
Efficacy: 61.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

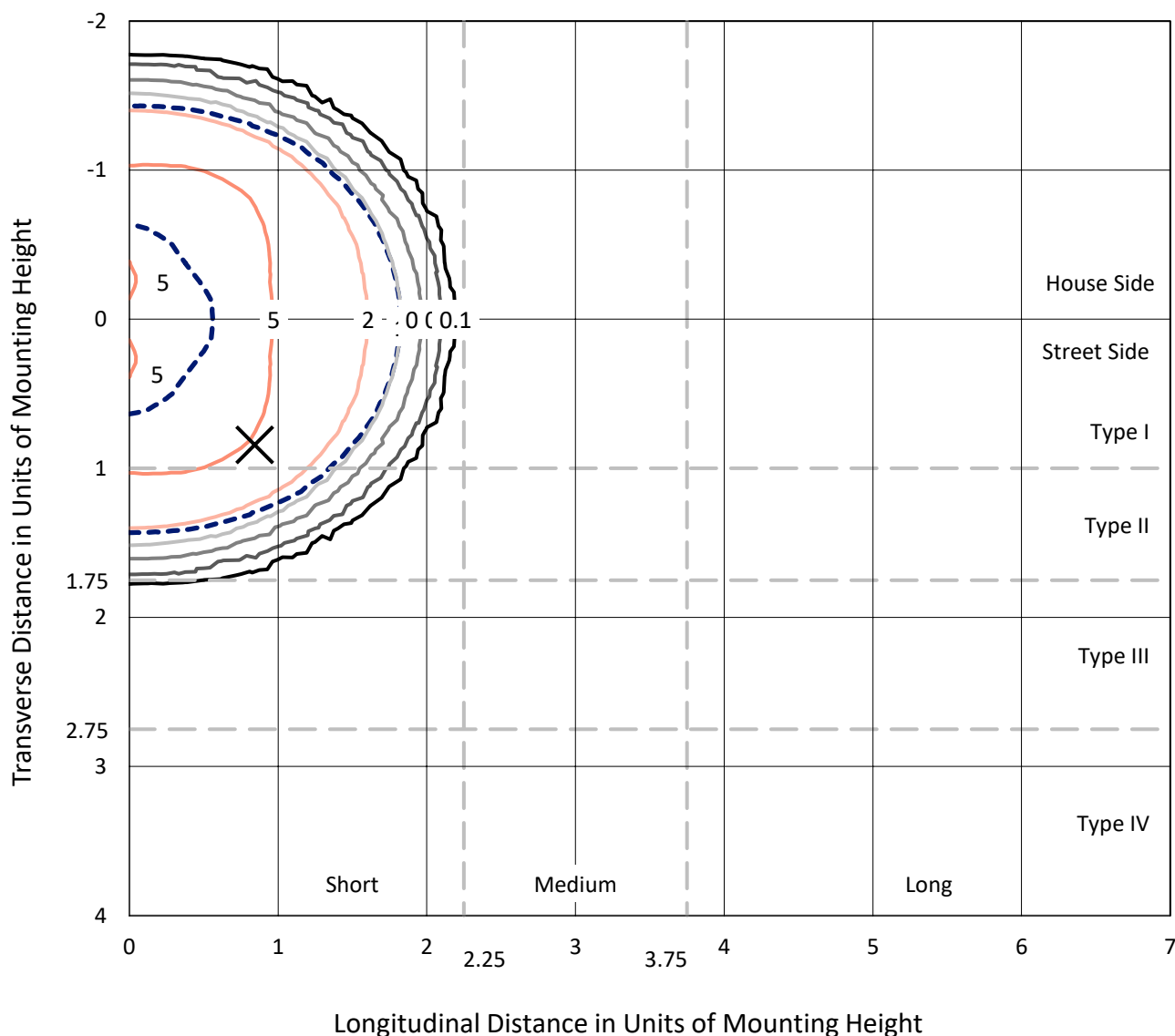
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

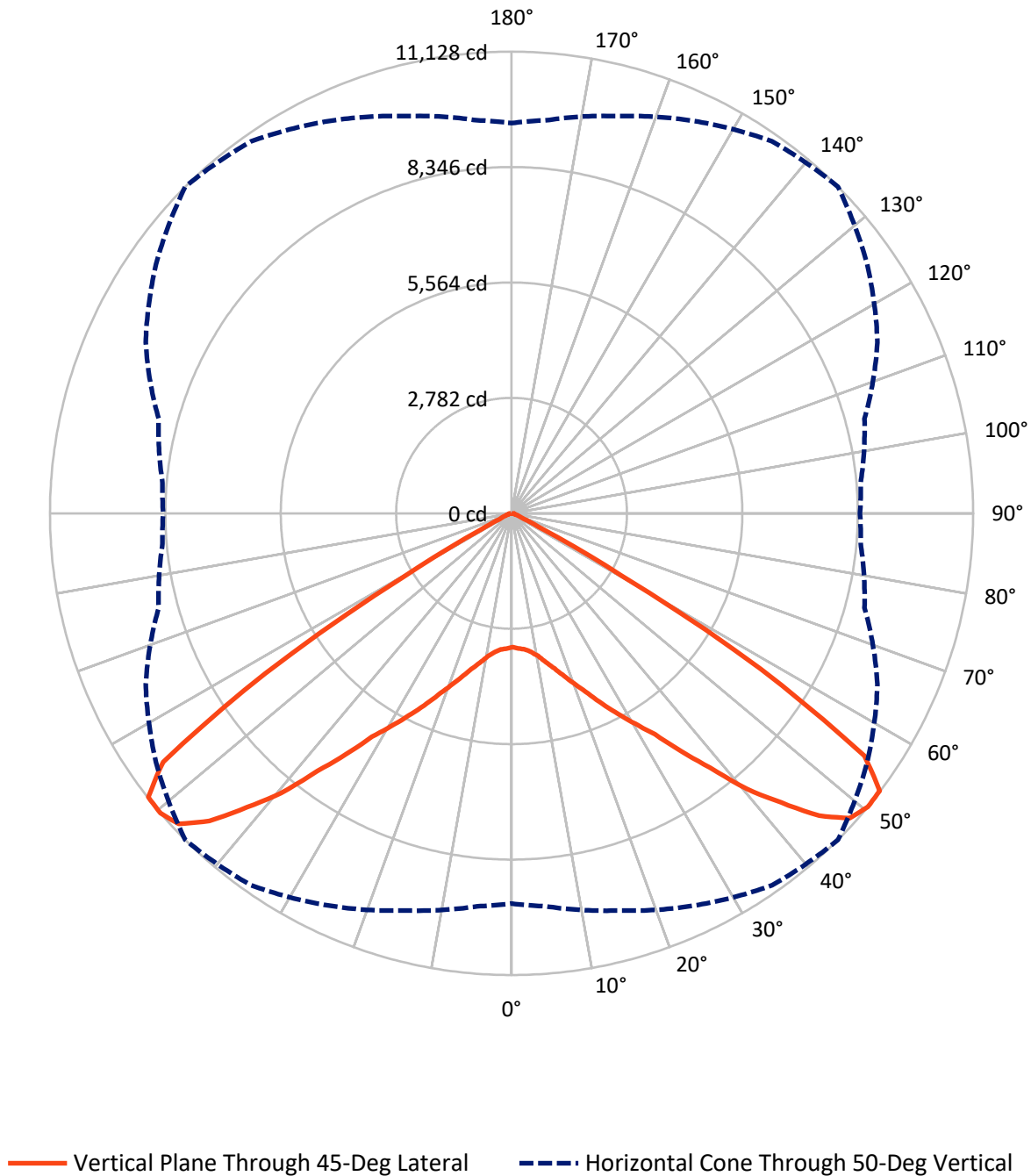
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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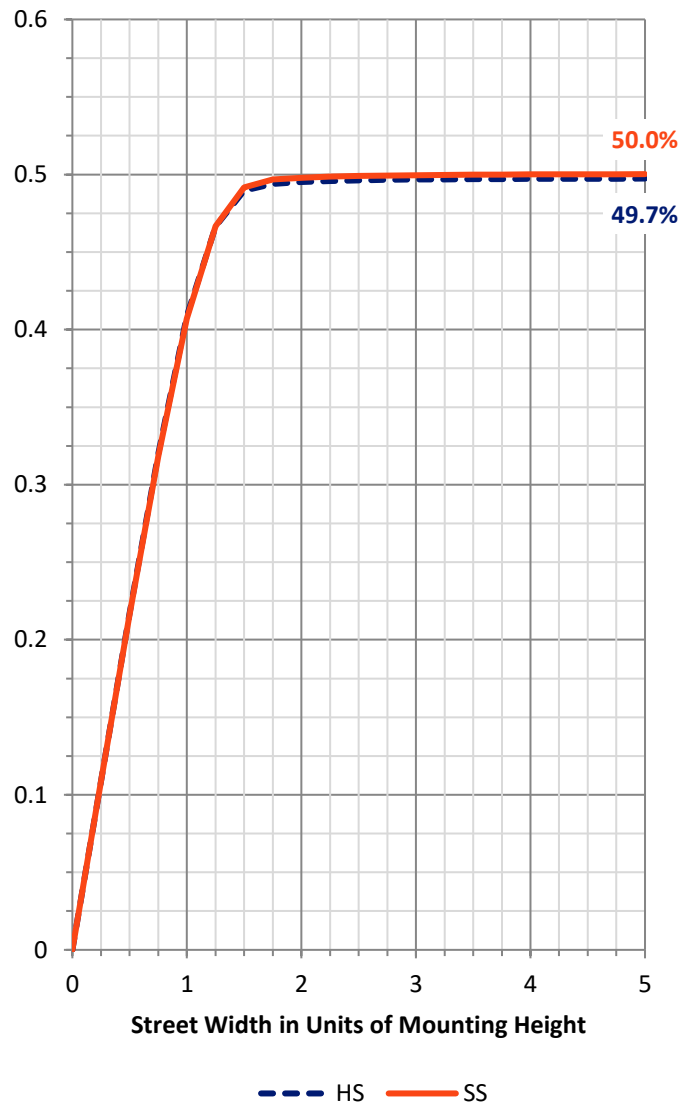
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 11631.5  | 0.0    | 11631.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 11631.5  | 0.0    | 11631.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 23263.0  | 0.0    | 23263.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 320.9   | 1.4       |
| 10°-20°   | 1105.8  | 4.8       |
| 20°-30°   | 2258.6  | 9.7       |
| 30°-40°   | 4307.1  | 18.5      |
| 40°-50°   | 7258.1  | 31.2      |
| 50°-60°   | 6921.9  | 29.8      |
| 60°-70°   | 966.3   | 4.2       |
| 70°-80°   | 92.4    | 0.4       |
| 80°-90°   | 31.9    | 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°    | 23263.0 | 100.0     |
| 0°-180°   | 23263.0 | 100.0     |

**Coefficient of Utilization**



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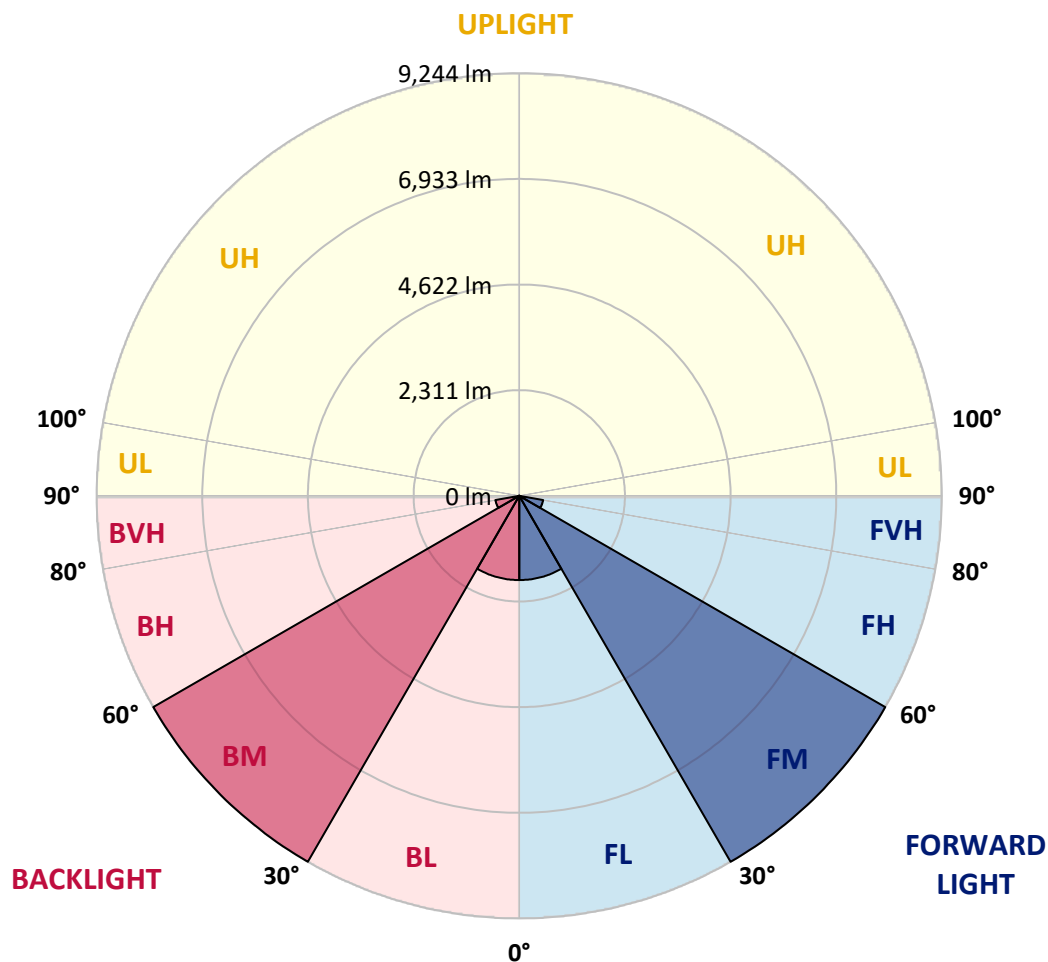
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 1842.6 | 7.9       |                         |      |        |
| FM   | (30°-60°)   | 9243.6 | 39.7      |                         |      |        |
| FH   | (60°-80°)   | 529.3  | 2.3       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 16.0   | 0.1       |                         |      | G1/100 |
| BL   | (0°-30°)    | 1842.6 | 7.9       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 9243.6 | 39.7      | B5                      |      |        |
| BH   | (60°-80°)   | 529.3  | 2.3       | B2/1000                 |      | G0/660 |
| BVH  | (80°-90°)   | 16.0   | 0.1       |                         |      | G1/100 |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 45°     | 55°     | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0°    | 3225.2 | 3225.2 | 3225.2 | 3225.2  | 3225.2  | 3225.2  | 3225.2  | 3225.2 | 3225.2 | 3225.2 | 3225.2 |
| 2.5°  | 3213.4 | 3213.4 | 3209.5 | 3240.8  | 3225.2  | 3260.4  | 3256.5  | 3268.2 | 3280.0 | 3276.0 | 3307.4 |
| 5°    | 3186.0 | 3182.1 | 3182.1 | 3217.3  | 3252.6  | 3291.7  | 3326.9  | 3350.4 | 3389.5 | 3389.5 | 3428.7 |
| 7.5°  | 3213.4 | 3193.8 | 3221.2 | 3236.9  | 3303.4  | 3370.0  | 3428.7  | 3475.7 | 3565.7 | 3597.0 | 3585.2 |
| 10°   | 3221.2 | 3244.7 | 3264.3 | 3311.3  | 3393.5  | 3495.2  | 3546.1  | 3663.5 | 3765.3 | 3835.7 | 3851.4 |
| 12.5° | 3272.1 | 3307.4 | 3362.2 | 3475.7  | 3550.0  | 3683.1  | 3753.6  | 3867.1 | 4008.0 | 4086.2 | 4141.0 |
| 15°   | 3370.0 | 3381.7 | 3452.2 | 3597.0  | 3757.5  | 3878.8  | 3988.4  | 4070.6 | 4207.6 | 4297.6 | 4301.5 |
| 17.5° | 3495.2 | 3546.1 | 3644.0 | 3781.0  | 3949.3  | 4129.3  | 4215.4  | 4305.4 | 4356.3 | 4477.6 | 4505.0 |
| 20°   | 3745.7 | 3753.6 | 3847.5 | 4027.5  | 4238.9  | 4403.3  | 4465.9  | 4512.9 | 4493.3 | 4618.6 | 4642.0 |
| 22.5° | 3980.6 | 3988.4 | 4105.8 | 4348.5  | 4575.5  | 4716.4  | 4743.8  | 4716.4 | 4657.7 | 4747.7 | 4755.5 |
| 25°   | 4219.3 | 4289.8 | 4375.9 | 4618.6  | 4900.4  | 5088.2  | 5092.2  | 5017.8 | 4896.4 | 4912.1 | 4951.2 |
| 27.5° | 4591.2 | 4642.0 | 4732.1 | 4955.2  | 5264.4  | 5475.7  | 5440.5  | 5350.5 | 5193.9 | 5205.7 | 5193.9 |
| 30°   | 5025.6 | 5072.6 | 5146.9 | 5432.7  | 5659.7  | 5890.6  | 5941.5  | 5855.4 | 5620.5 | 5569.7 | 5628.4 |
| 32.5° | 5550.1 | 5616.6 | 5753.6 | 6015.9  | 6207.6  | 6348.6  | 6383.8  | 6352.5 | 6133.3 | 6113.7 | 6152.9 |
| 35°   | 6188.1 | 6278.1 | 6403.3 | 6634.3  | 6790.8  | 7045.3  | 7045.3  | 6939.6 | 6740.0 | 6763.4 | 6759.5 |
| 37.5° | 6861.3 | 6994.4 | 7190.1 | 7424.9  | 7636.3  | 7773.3  | 7730.2  | 7640.2 | 7440.6 | 7389.7 | 7440.6 |
| 40°   | 7706.7 | 7773.3 | 8019.8 | 8325.1  | 8583.5  | 8740.0  | 8556.1  | 8360.4 | 7882.9 | 7957.2 | 8094.2 |
| 42.5° | 8477.8 | 8583.5 | 8771.3 | 9107.9  | 9401.5  | 9530.7  | 9311.5  | 8924.0 | 8348.6 | 8289.9 | 8391.7 |
| 45°   | 9135.3 | 9248.8 | 9495.4 | 9976.9  | 10286.1 | 10399.6 | 9914.2  | 9288.0 | 8630.4 | 8481.7 | 8524.8 |
| 47.5° | 9573.7 | 9632.4 | 9976.9 | 10434.8 | 10716.6 | 10974.9 | 10278.2 | 9538.5 | 8763.5 | 8481.7 | 8466.0 |
| 50°   | 9405.4 | 9507.2 | 9910.3 | 10430.9 | 10943.6 | 11127.6 | 10462.2 | 9730.3 | 8806.6 | 8446.5 | 8399.5 |
| 52.5° | 8352.5 | 8528.7 | 8978.8 | 9679.4  | 10454.4 | 11111.9 | 10716.6 | 9667.6 | 8790.9 | 8481.7 | 8552.2 |
| 55°   | 5812.3 | 5816.2 | 6364.2 | 7397.5  | 8767.4  | 10317.4 | 10344.8 | 9738.1 | 8892.7 | 8700.9 | 8704.8 |
| 57.5° | 2336.7 | 2454.1 | 2872.9 | 3910.1  | 5174.3  | 7084.4  | 8423.0  | 9033.6 | 8904.4 | 8857.4 | 8978.8 |
| 60°   | 591.0  | 594.9  | 724.1  | 1103.8  | 1820.0  | 3037.3  | 4411.1  | 5968.9 | 6873.0 | 7182.2 | 7225.3 |
| 62.5° | 301.4  | 305.3  | 336.6  | 391.4   | 497.1   | 814.1   | 1448.2  | 2297.5 | 3268.2 | 3761.4 | 3890.5 |
| 65°   | 246.6  | 246.6  | 266.2  | 293.6   | 297.5   | 313.1   | 375.7   | 536.2  | 778.9  | 884.6  | 896.3  |
| 67.5° | 187.9  | 187.9  | 203.5  | 219.2   | 227.0   | 223.1   | 215.3   | 223.1  | 270.1  | 258.3  | 250.5  |
| 70°   | 117.4  | 121.3  | 129.2  | 144.8   | 152.6   | 156.6   | 160.5   | 168.3  | 191.8  | 199.6  | 191.8  |
| 72.5° | 70.5   | 70.5   | 74.4   | 86.1    | 97.9    | 105.7   | 117.4   | 125.2  | 137.0  | 156.6  | 152.6  |
| 75°   | 31.3   | 31.3   | 39.1   | 50.9    | 62.6    | 74.4    | 86.1    | 97.9   | 105.7  | 117.4  | 121.3  |
| 77.5° | 7.8    | 11.7   | 19.6   | 35.2    | 47.0    | 62.6    | 78.3    | 90.0   | 97.9   | 97.9   | 93.9   |
| 80°   | 3.9    | 3.9    | 15.7   | 27.4    | 50.9    | 66.5    | 86.1    | 93.9   | 105.7  | 97.9   | 86.1   |
| 82.5° | 3.9    | 3.9    | 15.7   | 27.4    | 47.0    | 66.5    | 90.0    | 101.8  | 109.6  | 97.9   | 82.2   |
| 85°   | 0.0    | 3.9    | 11.7   | 23.5    | 39.1    | 47.0    | 39.1    | 27.4   | 15.7   | 15.7   | 11.7   |
| 87.5° | 0.0    | 0.0    | 3.9    | 3.9     | 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    |

(END OF REPORT)