

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: P529399

Luminaire Tested: **GLAN-SA4C-740-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529399  
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-SA4C-740-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 4000K, 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: 17973 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 213  
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



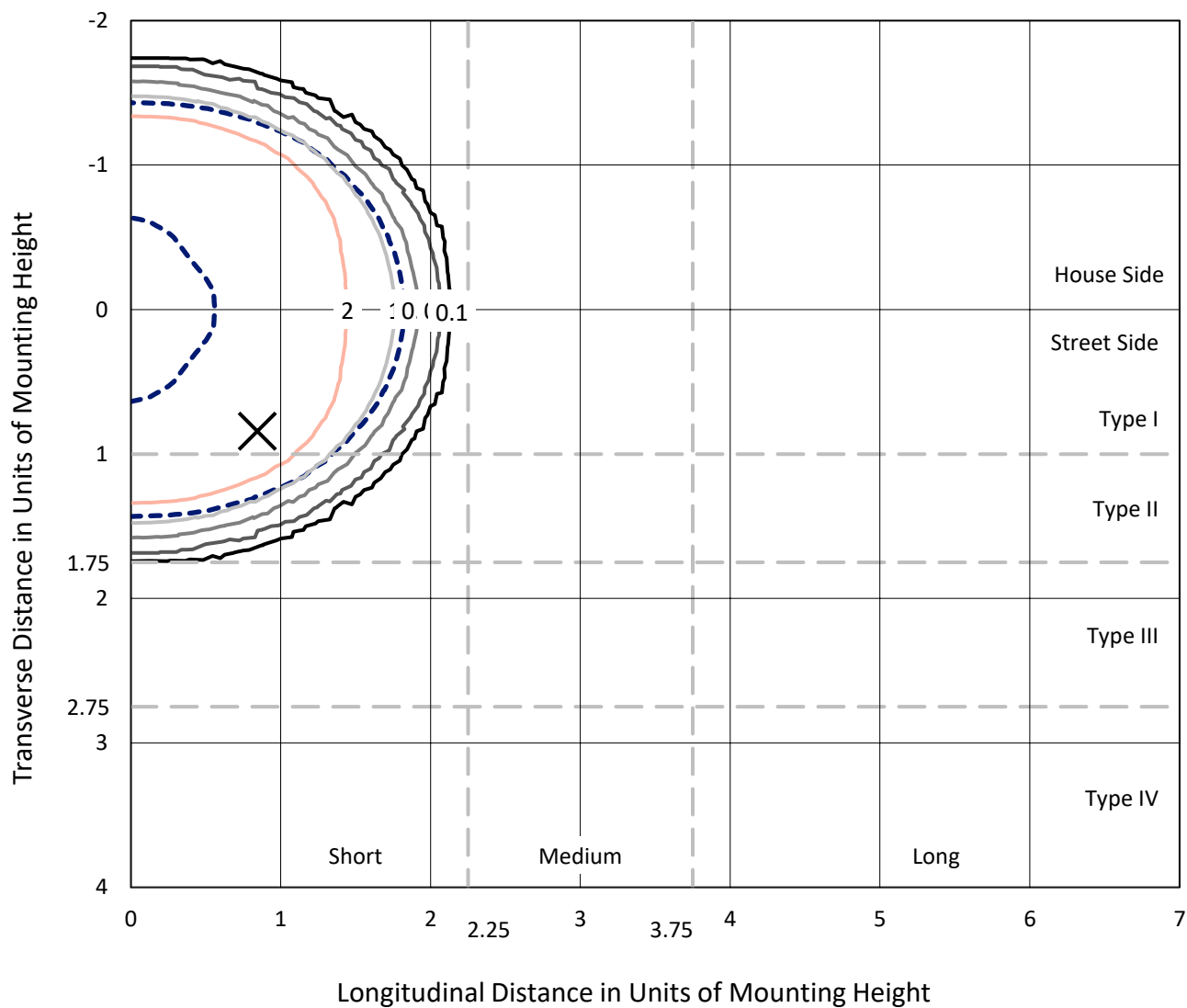
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

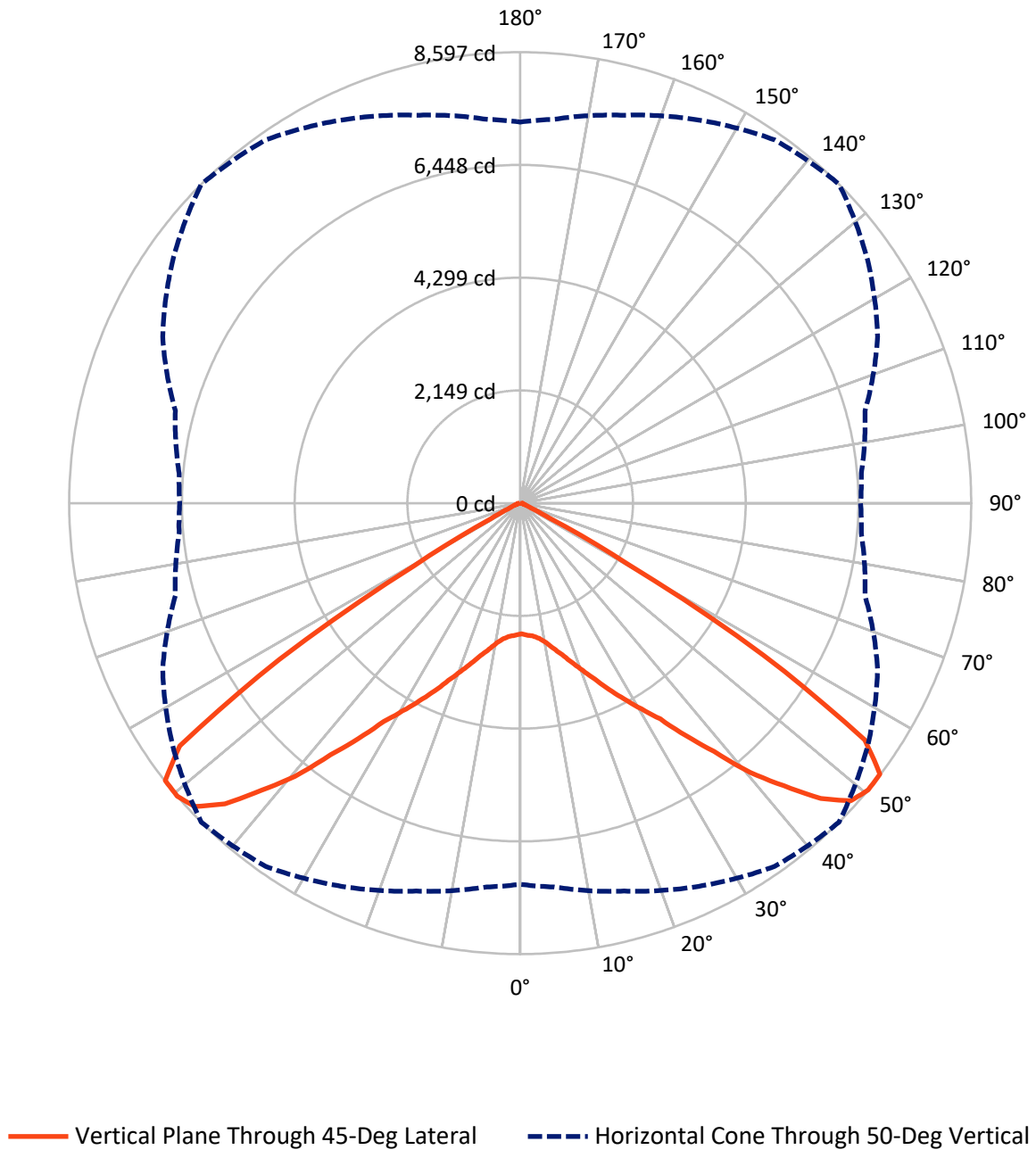


Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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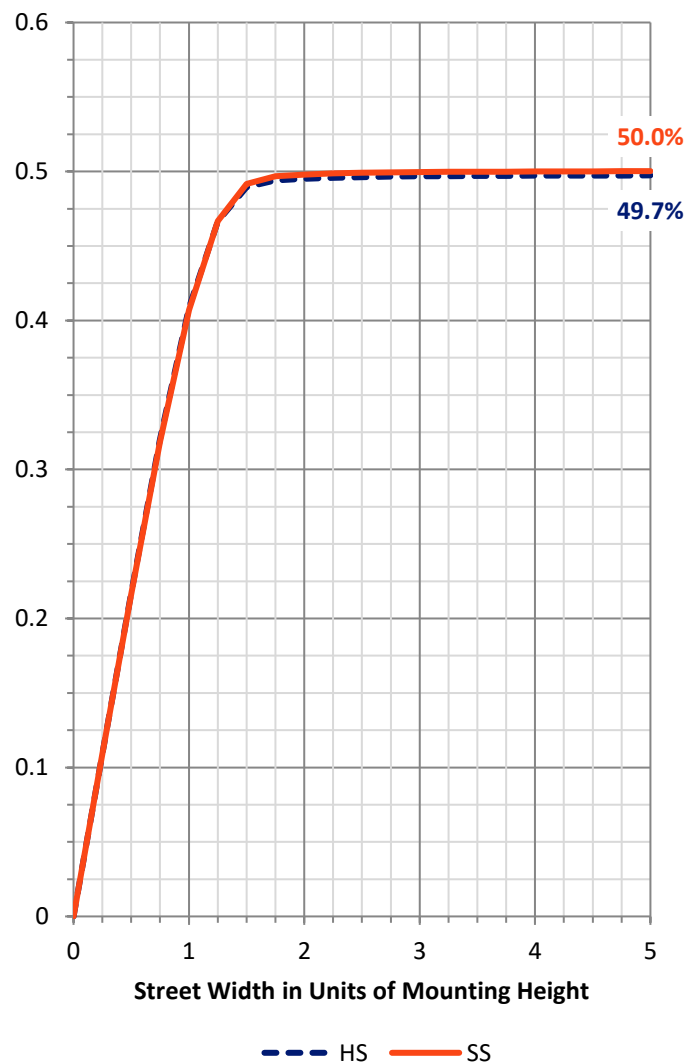
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8986.5   | 0.0    | 8986.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 8986.5   | 0.0    | 8986.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 17973.0  | 0.0    | 17973.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 247.9   | 1.4       |
| 10°-20°   | 854.4   | 4.8       |
| 20°-30°   | 1745.0  | 9.7       |
| 30°-40°   | 3327.7  | 18.5      |
| 40°-50°   | 5607.6  | 31.2      |
| 50°-60°   | 5347.9  | 29.8      |
| 60°-70°   | 746.5   | 4.2       |
| 70°-80°   | 71.4    | 0.4       |
| 80°-90°   | 24.7    | 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°    | 17973.0 | 100.0     |
| 0°-180°   | 17973.0 | 100.0     |

**Coefficient of Utilization**



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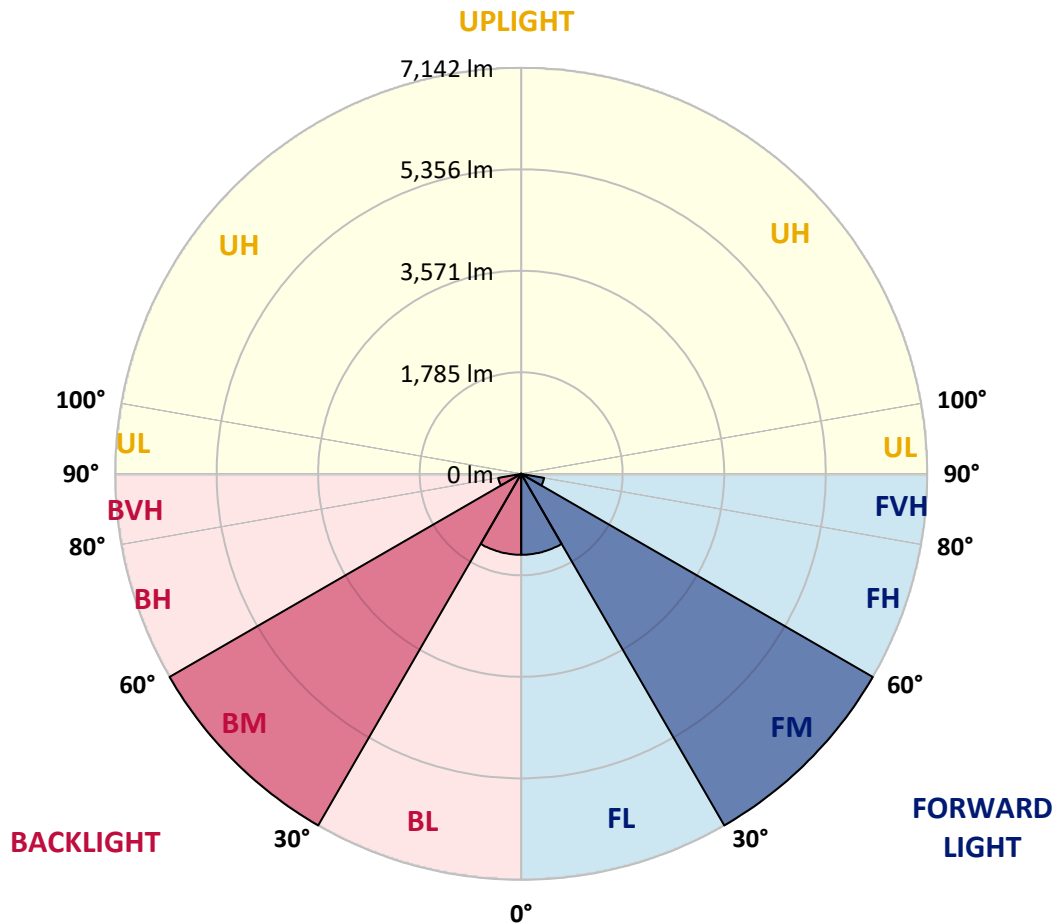
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 1423.6 | 7.9       |                         |      |        |
| FM   | (30°-60°)   | 7141.6 | 39.7      |                         |      |        |
| FH   | (60°-80°)   | 409.0  | 2.3       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 12.3   | 0.1       |                         |      | G1/100 |
| BL   | (0°-30°)    | 1423.6 | 7.9       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 7141.6 | 39.7      | B4/8500                 |      |        |
| BH   | (60°-80°)   | 409.0  | 2.3       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 12.3   | 0.1       |                         |      | G1/100 |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B4-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2491.8 | 2491.8 | 2491.8 | 2491.8 | 2491.8 | 2491.8 | 2491.8 | 2491.8 | 2491.8 | 2491.8 | 2491.8 |
| 2.5°  | 2482.7 | 2482.7 | 2479.7 | 2503.9 | 2491.8 | 2519.0 | 2516.0 | 2525.0 | 2534.1 | 2531.1 | 2555.3 |
| 5°    | 2461.5 | 2458.5 | 2458.5 | 2485.7 | 2512.9 | 2543.2 | 2570.4 | 2588.5 | 2618.8 | 2618.8 | 2649.0 |
| 7.5°  | 2482.7 | 2467.6 | 2488.7 | 2500.8 | 2552.2 | 2603.6 | 2649.0 | 2685.3 | 2754.8 | 2779.0 | 2770.0 |
| 10°   | 2488.7 | 2506.9 | 2522.0 | 2558.3 | 2621.8 | 2700.4 | 2739.7 | 2830.4 | 2909.1 | 2963.5 | 2975.6 |
| 12.5° | 2528.0 | 2555.3 | 2597.6 | 2685.3 | 2742.7 | 2845.6 | 2900.0 | 2987.7 | 3096.6 | 3157.0 | 3199.4 |
| 15°   | 2603.6 | 2612.7 | 2667.1 | 2779.0 | 2903.0 | 2996.8 | 3081.4 | 3144.9 | 3250.8 | 3320.3 | 3323.4 |
| 17.5° | 2700.4 | 2739.7 | 2815.3 | 2921.2 | 3051.2 | 3190.3 | 3256.8 | 3326.4 | 3365.7 | 3459.4 | 3480.6 |
| 20°   | 2893.9 | 2900.0 | 2972.6 | 3111.7 | 3275.0 | 3402.0 | 3450.4 | 3486.6 | 3471.5 | 3568.3 | 3586.4 |
| 22.5° | 3075.4 | 3081.4 | 3172.2 | 3359.6 | 3535.0 | 3643.9 | 3665.1 | 3643.9 | 3598.5 | 3668.1 | 3674.1 |
| 25°   | 3259.8 | 3314.3 | 3380.8 | 3568.3 | 3786.0 | 3931.2 | 3934.2 | 3876.7 | 3783.0 | 3795.1 | 3825.3 |
| 27.5° | 3547.1 | 3586.4 | 3656.0 | 3828.4 | 4067.3 | 4230.5 | 4203.3 | 4133.8 | 4012.8 | 4021.9 | 4012.8 |
| 30°   | 3882.8 | 3919.1 | 3976.5 | 4197.3 | 4372.7 | 4551.1 | 4590.4 | 4523.9 | 4342.4 | 4303.1 | 4348.5 |
| 32.5° | 4288.0 | 4339.4 | 4445.2 | 4647.9 | 4796.0 | 4904.9 | 4932.1 | 4907.9 | 4738.6 | 4723.5 | 4753.7 |
| 35°   | 4780.9 | 4850.5 | 4947.2 | 5125.6 | 5246.6 | 5443.2 | 5443.2 | 5361.5 | 5207.3 | 5225.4 | 5222.4 |
| 37.5° | 5301.0 | 5403.9 | 5555.0 | 5736.5 | 5899.8 | 6005.6 | 5972.4 | 5902.8 | 5748.6 | 5709.3 | 5748.6 |
| 40°   | 5954.2 | 6005.6 | 6196.1 | 6432.0 | 6631.6 | 6752.5 | 6610.4 | 6459.2 | 6090.3 | 6147.7 | 6253.6 |
| 42.5° | 6549.9 | 6631.6 | 6776.7 | 7036.8 | 7263.6 | 7363.4 | 7194.0 | 6894.7 | 6450.1 | 6404.8 | 6483.4 |
| 45°   | 7058.0 | 7145.7 | 7336.2 | 7708.1 | 7947.0 | 8034.7 | 7659.7 | 7175.9 | 6667.9 | 6553.0 | 6586.2 |
| 47.5° | 7396.7 | 7442.0 | 7708.1 | 8061.9 | 8279.7 | 8479.2 | 7941.0 | 7369.4 | 6770.7 | 6553.0 | 6540.9 |
| 50°   | 7266.6 | 7345.2 | 7656.7 | 8058.9 | 8455.0 | 8597.2 | 8083.1 | 7517.6 | 6804.0 | 6525.7 | 6489.5 |
| 52.5° | 6453.2 | 6589.3 | 6937.0 | 7478.3 | 8077.0 | 8585.1 | 8279.7 | 7469.2 | 6791.9 | 6553.0 | 6607.4 |
| 55°   | 4490.6 | 4493.6 | 4917.0 | 5715.3 | 6773.7 | 7971.2 | 7992.4 | 7523.7 | 6870.5 | 6722.3 | 6725.3 |
| 57.5° | 1805.3 | 1896.0 | 2219.6 | 3021.0 | 3997.7 | 5473.4 | 6507.6 | 6979.3 | 6879.6 | 6843.3 | 6937.0 |
| 60°   | 456.6  | 459.6  | 559.4  | 852.8  | 1406.2 | 2346.6 | 3408.0 | 4611.6 | 5310.1 | 5549.0 | 5582.3 |
| 62.5° | 232.8  | 235.9  | 260.1  | 302.4  | 384.0  | 629.0  | 1118.9 | 1775.1 | 2525.0 | 2906.0 | 3005.8 |
| 65°   | 190.5  | 190.5  | 205.6  | 226.8  | 229.8  | 241.9  | 290.3  | 414.3  | 601.8  | 683.4  | 692.5  |
| 67.5° | 145.2  | 145.2  | 157.2  | 169.3  | 175.4  | 172.4  | 166.3  | 172.4  | 208.7  | 199.6  | 193.5  |
| 70°   | 90.7   | 93.7   | 99.8   | 111.9  | 117.9  | 121.0  | 124.0  | 130.0  | 148.2  | 154.2  | 148.2  |
| 72.5° | 54.4   | 54.4   | 57.5   | 66.5   | 75.6   | 81.6   | 90.7   | 96.8   | 105.8  | 121.0  | 117.9  |
| 75°   | 24.2   | 24.2   | 30.2   | 39.3   | 48.4   | 57.5   | 66.5   | 75.6   | 81.6   | 90.7   | 93.7   |
| 77.5° | 6.0    | 9.1    | 15.1   | 27.2   | 36.3   | 48.4   | 60.5   | 69.6   | 75.6   | 75.6   | 72.6   |
| 80°   | 3.0    | 3.0    | 12.1   | 21.2   | 39.3   | 51.4   | 66.5   | 72.6   | 81.6   | 75.6   | 66.5   |
| 82.5° | 3.0    | 3.0    | 12.1   | 21.2   | 36.3   | 51.4   | 69.6   | 78.6   | 84.7   | 75.6   | 63.5   |
| 85°   | 0.0    | 3.0    | 9.1    | 18.1   | 30.2   | 36.3   | 30.2   | 21.2   | 12.1   | 12.1   | 9.1    |
| 87.5° | 0.0    | 0.0    | 3.0    | 3.0    | 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    |

(END OF REPORT)