

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: P527839

Luminaire Tested: **GLAN-SA2D-827-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527839  
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-SA2D-827-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 2700K, 1200mA 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: 7391 lumens  
Efficiency: N/A  
Efficacy: 59.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

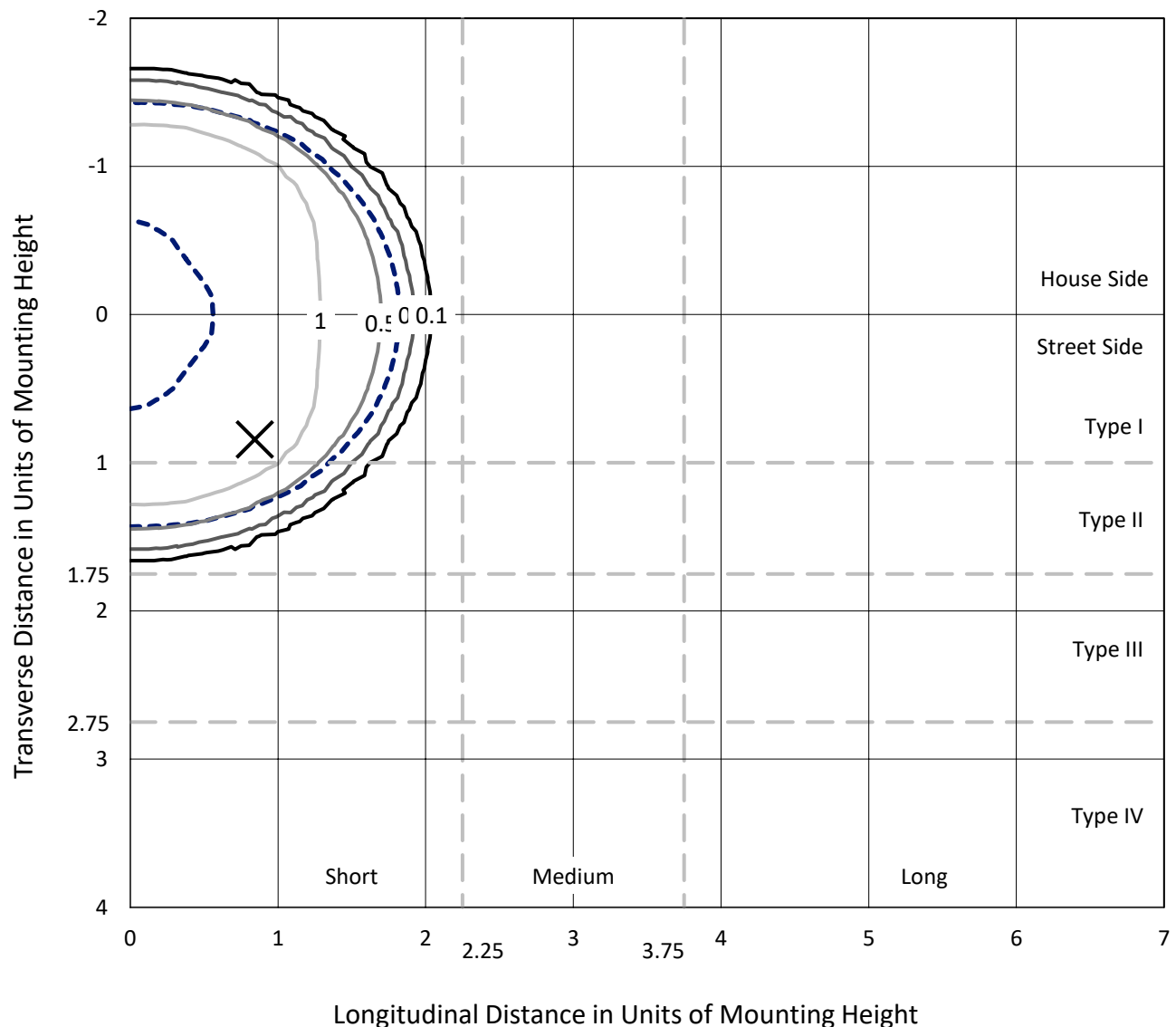
Input Watts (W): 125  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

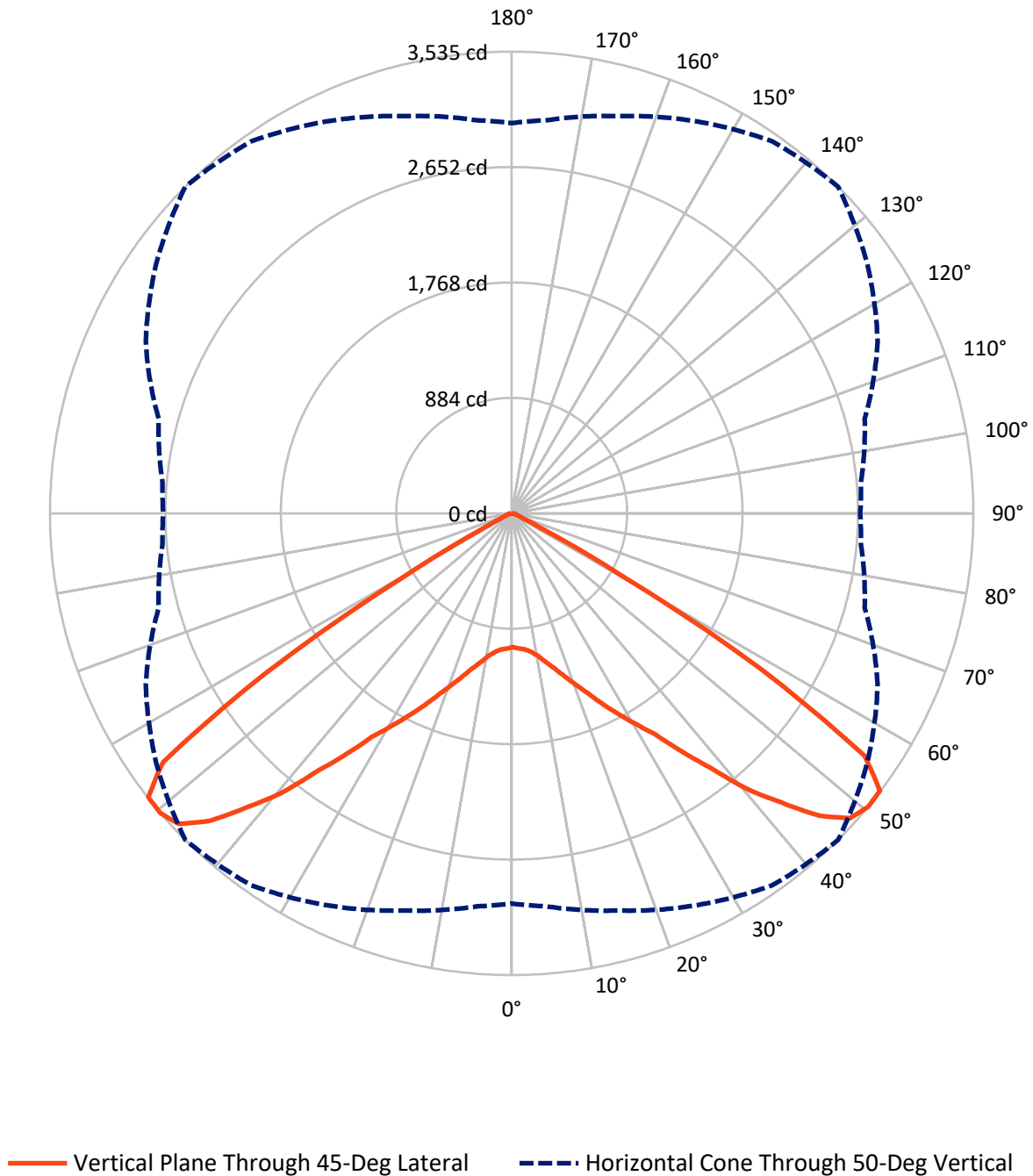


Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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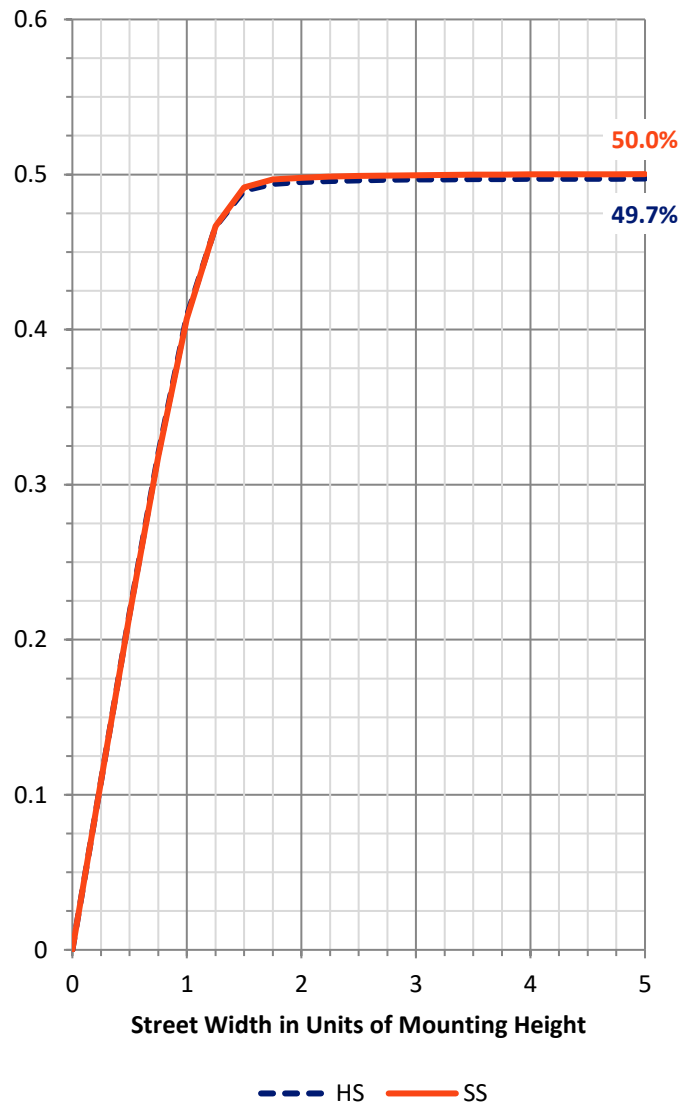
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3695.5   | 0.0    | 3695.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3695.5   | 0.0    | 3695.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 7391.0   | 0.0    | 7391.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 101.9  | 1.4       |
| 10°-20°   | 351.3  | 4.8       |
| 20°-30°   | 717.6  | 9.7       |
| 30°-40°   | 1368.4 | 18.5      |
| 40°-50°   | 2306.0 | 31.2      |
| 50°-60°   | 2199.2 | 29.8      |
| 60°-70°   | 307.0  | 4.2       |
| 70°-80°   | 29.4   | 0.4       |
| 80°-90°   | 10.1   | 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°    | 7391.0 | 100.0     |
| 0°-180°   | 7391.0 | 100.0     |

**Coefficient of Utilization**



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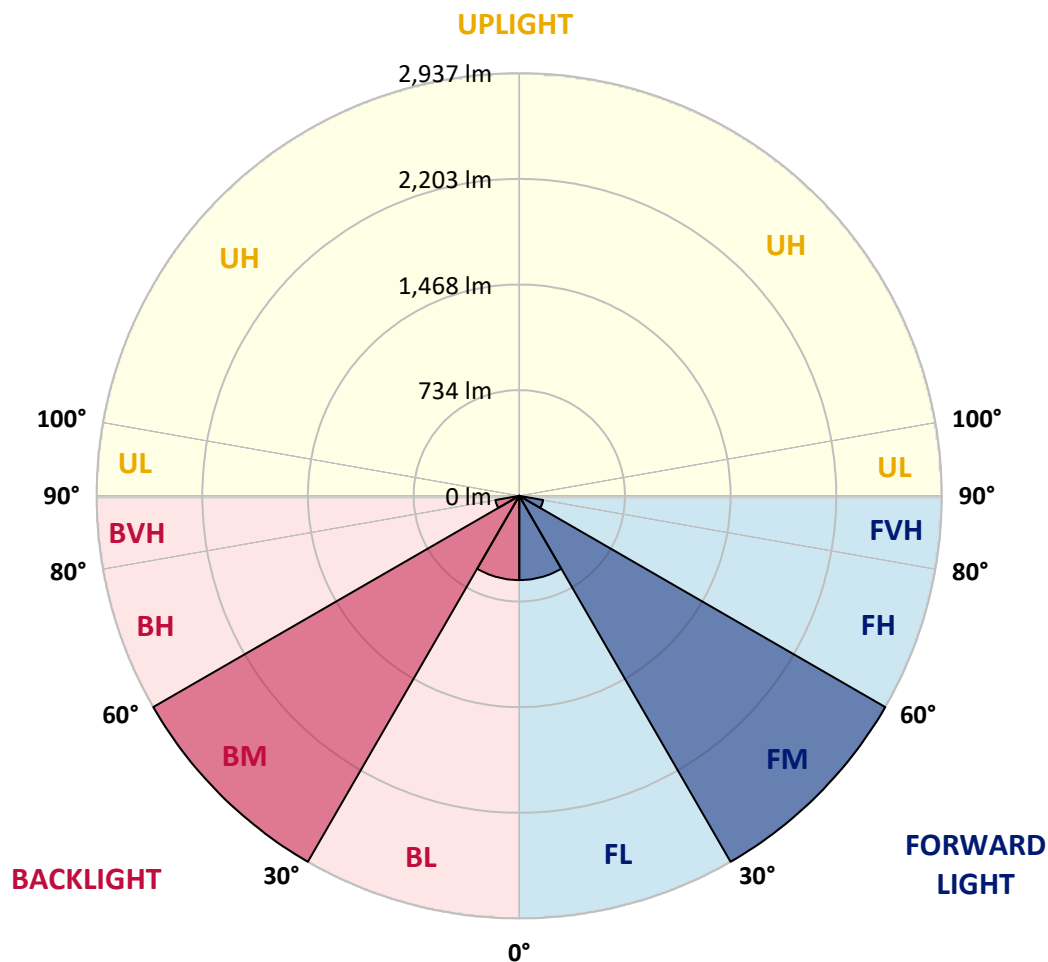
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 585.4  | 7.9       |                         |      |        |
| FM   | (30°-60°)   | 2936.8 | 39.7      |                         |      |        |
| FH   | (60°-80°)   | 168.2  | 2.3       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 5.1    | 0.1       |                         |      | G0/10  |
| BL   | (0°-30°)    | 585.4  | 7.9       | B2/1000                 |      |        |
| BM   | (30°-60°)   | 2936.8 | 39.7      | B3/5000                 |      |        |
| BH   | (60°-80°)   | 168.2  | 2.3       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 5.1    | 0.1       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B3-U0-G0**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1024.7 | 1024.7 | 1024.7 | 1024.7 | 1024.7 | 1024.7 | 1024.7 | 1024.7 | 1024.7 | 1024.7 | 1024.7 |
| 2.5°  | 1021.0 | 1021.0 | 1019.7 | 1029.7 | 1024.7 | 1035.9 | 1034.6 | 1038.4 | 1042.1 | 1040.8 | 1050.8 |
| 5°    | 1012.2 | 1011.0 | 1011.0 | 1022.2 | 1033.4 | 1045.8 | 1057.0 | 1064.5 | 1076.9 | 1076.9 | 1089.3 |
| 7.5°  | 1021.0 | 1014.7 | 1023.4 | 1028.4 | 1049.6 | 1070.7 | 1089.3 | 1104.3 | 1132.9 | 1142.8 | 1139.1 |
| 10°   | 1023.4 | 1030.9 | 1037.1 | 1052.0 | 1078.2 | 1110.5 | 1126.7 | 1164.0 | 1196.3 | 1218.7 | 1223.6 |
| 12.5° | 1039.6 | 1050.8 | 1068.2 | 1104.3 | 1127.9 | 1170.2 | 1192.6 | 1228.6 | 1273.4 | 1298.3 | 1315.7 |
| 15°   | 1070.7 | 1074.4 | 1096.8 | 1142.8 | 1193.8 | 1232.4 | 1267.2 | 1293.3 | 1336.8 | 1365.4 | 1366.7 |
| 17.5° | 1110.5 | 1126.7 | 1157.7 | 1201.3 | 1254.7 | 1311.9 | 1339.3 | 1367.9 | 1384.1 | 1422.6 | 1431.3 |
| 20°   | 1190.1 | 1192.6 | 1222.4 | 1279.6 | 1346.8 | 1399.0 | 1418.9 | 1433.8 | 1427.6 | 1467.4 | 1474.8 |
| 22.5° | 1264.7 | 1267.2 | 1304.5 | 1381.6 | 1453.7 | 1498.5 | 1507.2 | 1498.5 | 1479.8 | 1508.4 | 1510.9 |
| 25°   | 1340.5 | 1362.9 | 1390.3 | 1467.4 | 1556.9 | 1616.6 | 1617.9 | 1594.2 | 1555.7 | 1560.6 | 1573.1 |
| 27.5° | 1458.7 | 1474.8 | 1503.4 | 1574.3 | 1672.6 | 1739.7 | 1728.5 | 1699.9 | 1650.2 | 1653.9 | 1650.2 |
| 30°   | 1596.7 | 1611.6 | 1635.3 | 1726.0 | 1798.2 | 1871.5 | 1887.7 | 1860.3 | 1785.7 | 1769.6 | 1788.2 |
| 32.5° | 1763.3 | 1784.5 | 1828.0 | 1911.3 | 1972.3 | 2017.0 | 2028.2 | 2018.3 | 1948.6 | 1942.4 | 1954.9 |
| 35°   | 1966.0 | 1994.6 | 2034.4 | 2107.8 | 2157.6 | 2238.4 | 2238.4 | 2204.8 | 2141.4 | 2148.8 | 2147.6 |
| 37.5° | 2179.9 | 2222.2 | 2284.4 | 2359.0 | 2426.2 | 2469.7 | 2456.0 | 2427.4 | 2364.0 | 2347.8 | 2364.0 |
| 40°   | 2448.5 | 2469.7 | 2548.0 | 2645.0 | 2727.1 | 2776.8 | 2718.4 | 2656.2 | 2504.5 | 2528.1 | 2571.7 |
| 42.5° | 2693.5 | 2727.1 | 2786.8 | 2893.7 | 2987.0 | 3028.0 | 2958.4 | 2835.3 | 2652.5 | 2633.8 | 2666.2 |
| 45°   | 2902.4 | 2938.5 | 3016.8 | 3169.8 | 3268.0 | 3304.1 | 3149.9 | 2950.9 | 2742.0 | 2694.8 | 2708.4 |
| 47.5° | 3041.7 | 3060.4 | 3169.8 | 3315.3 | 3404.8 | 3486.9 | 3265.5 | 3030.5 | 2784.3 | 2694.8 | 2689.8 |
| 50°   | 2988.2 | 3020.6 | 3148.7 | 3314.0 | 3477.0 | 3535.4 | 3324.0 | 3091.5 | 2798.0 | 2683.6 | 2668.6 |
| 52.5° | 2653.7 | 2709.7 | 2852.7 | 3075.3 | 3321.5 | 3530.4 | 3404.8 | 3071.6 | 2793.0 | 2694.8 | 2717.1 |
| 55°   | 1846.7 | 1847.9 | 2022.0 | 2350.3 | 2785.5 | 3278.0 | 3286.7 | 3093.9 | 2825.3 | 2764.4 | 2765.6 |
| 57.5° | 742.4  | 779.7  | 912.8  | 1242.3 | 1644.0 | 2250.8 | 2676.1 | 2870.1 | 2829.1 | 2814.1 | 2852.7 |
| 60°   | 187.8  | 189.0  | 230.1  | 350.7  | 578.2  | 965.0  | 1401.5 | 1896.4 | 2183.7 | 2281.9 | 2295.6 |
| 62.5° | 95.8   | 97.0   | 106.9  | 124.4  | 157.9  | 258.7  | 460.1  | 730.0  | 1038.4 | 1195.0 | 1236.1 |
| 65°   | 78.3   | 78.3   | 84.6   | 93.3   | 94.5   | 99.5   | 119.4  | 170.4  | 247.5  | 281.0  | 284.8  |
| 67.5° | 59.7   | 59.7   | 64.7   | 69.6   | 72.1   | 70.9   | 68.4   | 70.9   | 85.8   | 82.1   | 79.6   |
| 70°   | 37.3   | 38.5   | 41.0   | 46.0   | 48.5   | 49.7   | 51.0   | 53.5   | 60.9   | 63.4   | 60.9   |
| 72.5° | 22.4   | 22.4   | 23.6   | 27.4   | 31.1   | 33.6   | 37.3   | 39.8   | 43.5   | 49.7   | 48.5   |
| 75°   | 9.9    | 9.9    | 12.4   | 16.2   | 19.9   | 23.6   | 27.4   | 31.1   | 33.6   | 37.3   | 38.5   |
| 77.5° | 2.5    | 3.7    | 6.2    | 11.2   | 14.9   | 19.9   | 24.9   | 28.6   | 31.1   | 31.1   | 29.8   |
| 80°   | 1.2    | 1.2    | 5.0    | 8.7    | 16.2   | 21.1   | 27.4   | 29.8   | 33.6   | 31.1   | 27.4   |
| 82.5° | 1.2    | 1.2    | 5.0    | 8.7    | 14.9   | 21.1   | 28.6   | 32.3   | 34.8   | 31.1   | 26.1   |
| 85°   | 0.0    | 1.2    | 3.7    | 7.5    | 12.4   | 14.9   | 12.4   | 8.7    | 5.0    | 5.0    | 3.7    |
| 87.5° | 0.0    | 0.0    | 1.2    | 1.2    | 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)