

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: McGRAW-EDISON

Report Number: P940430

Luminaire Tested: **GALN-SB3C-730-U-5WQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940430  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3C-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 22729 lumens  
Efficiency: N/A  
Efficacy: 152.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 149.1  
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



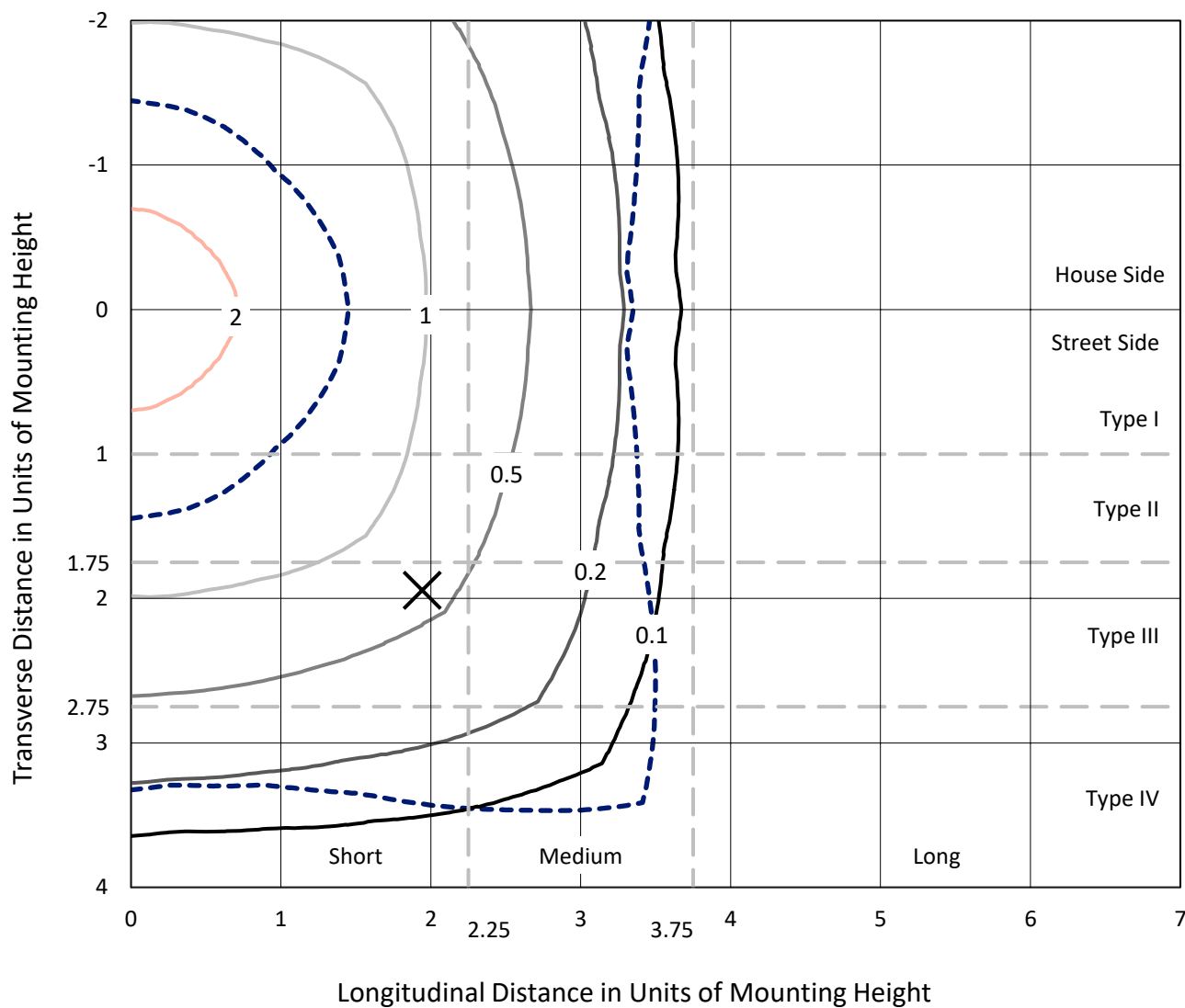
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## Iso-Footcandle Lines of Horizontal Illumination

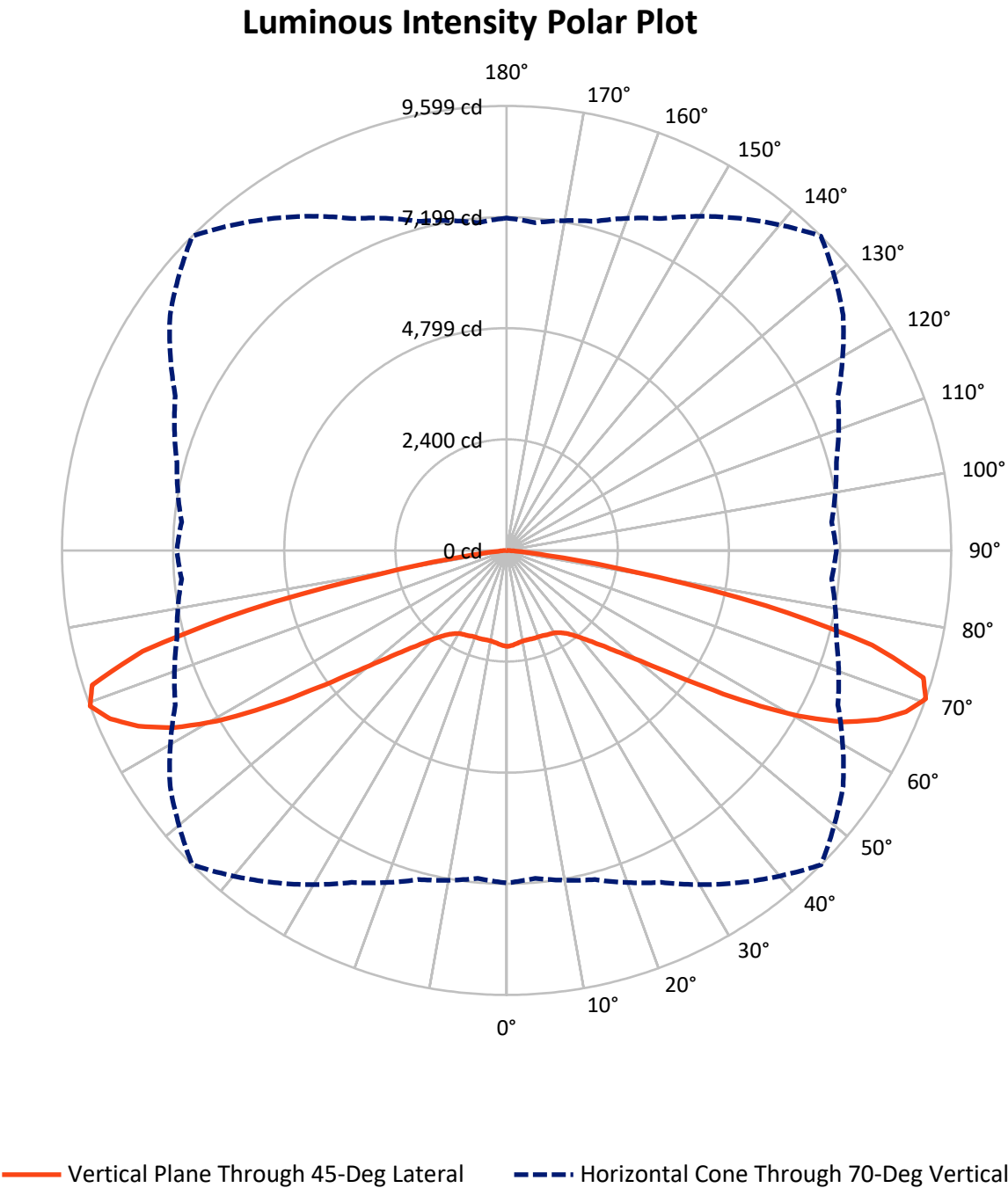
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type V - Short - N/A

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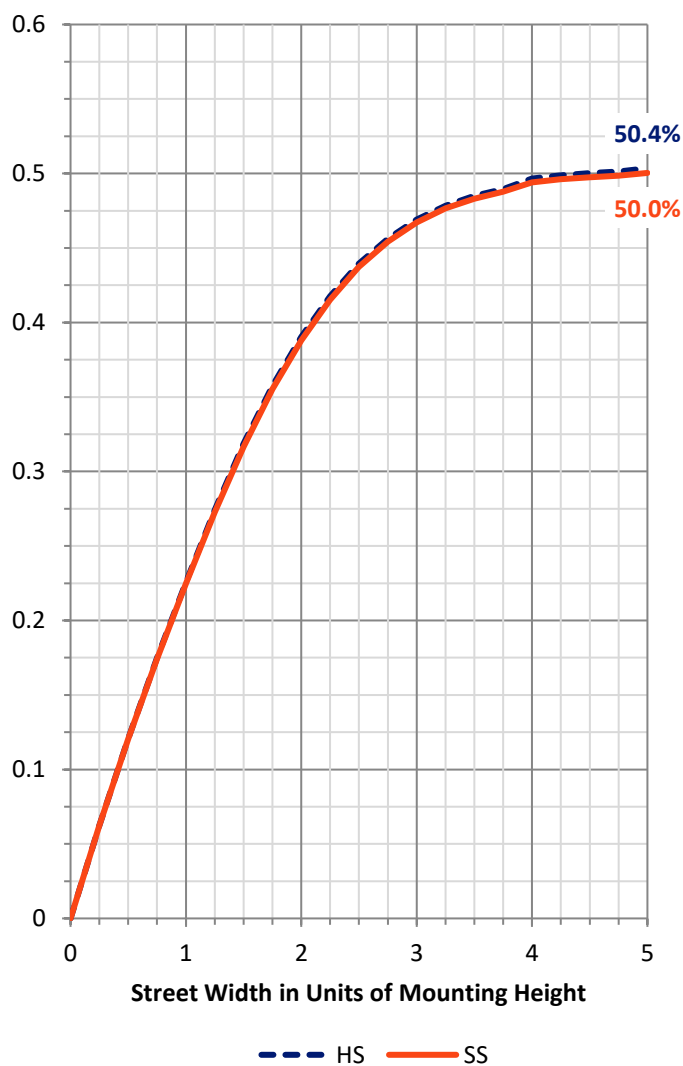
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 11364.5  | 0.0    | 11364.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 11364.5  | 0.0    | 11364.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 22729.0  | 0.0    | 22729.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 192.9   | 0.8       |
| 10°-20°   | 566.3   | 2.5       |
| 20°-30°   | 942.4   | 4.1       |
| 30°-40°   | 1425.2  | 6.3       |
| 40°-50°   | 2368.4  | 10.4      |
| 50°-60°   | 4469.1  | 19.7      |
| 60°-70°   | 7546.2  | 33.2      |
| 70°-80°   | 4958.7  | 21.8      |
| 80°-90°   | 259.8   | 1.1       |
| 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°    | 22729.0 | 100.0     |
| 0°-180°   | 22729.0 | 100.0     |

**Coefficient of Utilization**



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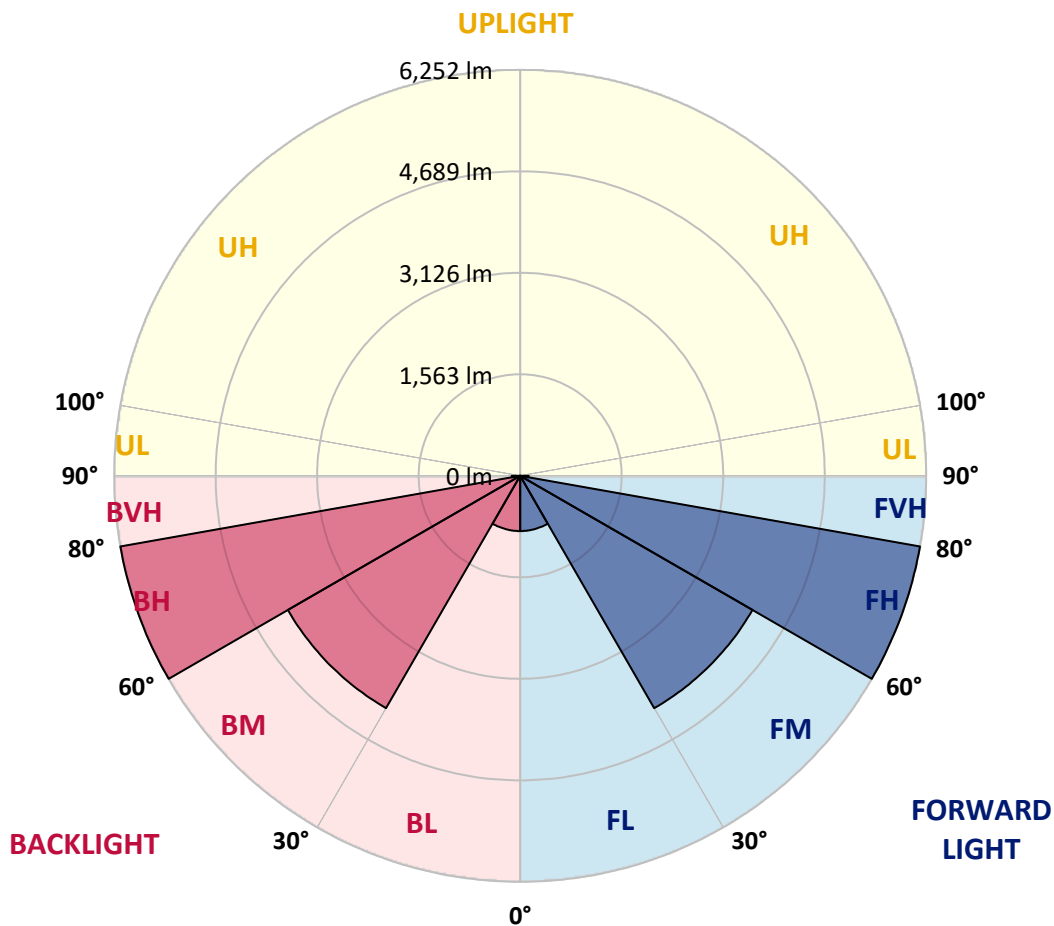
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 850.8  | 3.7       |                         |      |         |
| FM   | (30°-60°)   | 4131.4 | 18.2      |                         |      |         |
| FH   | (60°-80°)   | 6252.4 | 27.5      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 129.9  | 0.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 850.8  | 3.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 4131.4 | 18.2      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 6252.4 | 27.5      | B5                      |      | G3/7500 |
| BVH  | (80°-90°)   | 129.9  | 0.6       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2073.3 | 2073.3 | 2073.3 | 2073.3 | 2073.3 | 2073.3 | 2073.3 | 2073.3 | 2073.3 | 2073.3 | 2073.3 |
| 2.5°  | 2060.3 | 2066.3 | 2063.9 | 2059.2 | 2059.2 | 2055.6 | 2059.2 | 2061.5 | 2065.1 | 2067.4 | 2066.3 |
| 5°    | 2033.2 | 2037.9 | 2036.7 | 2033.2 | 2034.4 | 2030.8 | 2033.2 | 2036.7 | 2039.1 | 2040.3 | 2040.3 |
| 7.5°  | 2009.5 | 2014.3 | 2011.9 | 2006.0 | 2006.0 | 2002.5 | 2003.6 | 2007.2 | 2010.7 | 2011.9 | 2011.9 |
| 10°   | 2003.6 | 2008.4 | 2001.3 | 1991.8 | 1988.3 | 1983.6 | 1984.7 | 1988.3 | 1995.4 | 1998.9 | 1998.9 |
| 12.5° | 2006.0 | 2009.5 | 2002.5 | 1988.3 | 1984.7 | 1980.0 | 1980.0 | 1983.6 | 1993.0 | 1997.7 | 1998.9 |
| 15°   | 2013.1 | 2016.6 | 2006.0 | 1990.6 | 1987.1 | 1983.6 | 1982.4 | 1987.1 | 1997.7 | 2006.0 | 2007.2 |
| 17.5° | 2026.1 | 2029.6 | 2013.1 | 1991.8 | 1987.1 | 1988.3 | 1987.1 | 1990.6 | 2007.2 | 2022.5 | 2022.5 |
| 20°   | 2037.9 | 2040.3 | 2017.8 | 1991.8 | 1987.1 | 1988.3 | 1987.1 | 1994.2 | 2015.5 | 2036.7 | 2037.9 |
| 22.5° | 2041.4 | 2043.8 | 2022.5 | 2000.1 | 1996.6 | 1997.7 | 1996.6 | 2003.6 | 2023.7 | 2045.0 | 2045.0 |
| 25°   | 2042.6 | 2046.2 | 2029.6 | 2011.9 | 2017.8 | 2020.2 | 2017.8 | 2019.0 | 2034.4 | 2053.3 | 2052.1 |
| 27.5° | 2060.3 | 2065.1 | 2049.7 | 2034.4 | 2037.9 | 2036.7 | 2040.3 | 2043.8 | 2055.6 | 2074.5 | 2069.8 |
| 30°   | 2097.0 | 2100.5 | 2087.5 | 2072.2 | 2069.8 | 2061.5 | 2072.2 | 2084.0 | 2097.0 | 2113.5 | 2110.0 |
| 32.5° | 2157.2 | 2164.3 | 2147.8 | 2131.2 | 2120.6 | 2115.9 | 2124.1 | 2144.2 | 2161.9 | 2179.7 | 2172.6 |
| 35°   | 2257.6 | 2262.4 | 2247.0 | 2216.3 | 2197.4 | 2197.4 | 2204.5 | 2230.5 | 2258.8 | 2281.3 | 2273.0 |
| 37.5° | 2399.4 | 2405.3 | 2378.1 | 2341.5 | 2313.2 | 2313.2 | 2322.6 | 2349.8 | 2392.3 | 2424.2 | 2412.4 |
| 40°   | 2571.9 | 2580.2 | 2545.9 | 2508.1 | 2480.9 | 2476.2 | 2488.0 | 2518.7 | 2558.9 | 2599.1 | 2586.1 |
| 42.5° | 2779.8 | 2789.3 | 2744.4 | 2711.3 | 2690.0 | 2690.0 | 2695.9 | 2724.3 | 2760.9 | 2810.5 | 2807.0 |
| 45°   | 3045.6 | 3062.2 | 3000.7 | 2967.7 | 2947.6 | 2952.3 | 2955.8 | 2980.7 | 3013.7 | 3070.4 | 3068.1 |
| 47.5° | 3362.2 | 3378.8 | 3313.8 | 3279.5 | 3276.0 | 3298.4 | 3284.3 | 3302.0 | 3319.7 | 3384.7 | 3365.8 |
| 50°   | 3721.4 | 3749.7 | 3704.8 | 3702.5 | 3709.6 | 3750.9 | 3717.8 | 3727.3 | 3707.2 | 3748.6 | 3723.7 |
| 52.5° | 4160.9 | 4202.2 | 4193.9 | 4208.1 | 4287.3 | 4372.3 | 4296.7 | 4263.6 | 4188.0 | 4201.0 | 4157.3 |
| 55°   | 4693.7 | 4756.3 | 4768.1 | 4853.2 | 5032.7 | 5206.4 | 5045.7 | 4912.2 | 4751.6 | 4722.0 | 4675.9 |
| 57.5° | 5299.7 | 5349.3 | 5406.0 | 5579.7 | 5915.2 | 6223.6 | 5915.2 | 5619.9 | 5367.1 | 5306.8 | 5264.3 |
| 60°   | 5951.9 | 6013.3 | 6067.6 | 6324.0 | 6822.5 | 7256.1 | 6813.1 | 6344.1 | 6009.7 | 5928.2 | 5857.3 |
| 62.5° | 6652.4 | 6731.6 | 6769.4 | 7054.1 | 7635.3 | 8152.8 | 7643.6 | 7075.4 | 6704.4 | 6617.0 | 6546.1 |
| 65°   | 7324.6 | 7389.6 | 7432.1 | 7735.8 | 8291.0 | 8809.6 | 8328.8 | 7768.8 | 7387.2 | 7272.6 | 7215.9 |
| 67.5° | 7637.7 | 7673.1 | 7777.1 | 8120.9 | 8706.9 | 9298.7 | 8806.1 | 8157.5 | 7731.0 | 7530.2 | 7532.6 |
| 70°   | 7179.3 | 7107.3 | 7357.7 | 7908.2 | 8756.5 | 9598.8 | 8869.9 | 7891.7 | 7369.5 | 7043.5 | 7121.4 |
| 72.5° | 5547.8 | 5423.8 | 5858.5 | 6800.1 | 8189.4 | 9407.4 | 8246.1 | 6853.3 | 6129.1 | 5467.5 | 5631.7 |
| 75°   | 3018.5 | 2877.9 | 3478.0 | 4668.9 | 6530.7 | 8154.0 | 6680.8 | 4802.4 | 3872.6 | 2996.0 | 3190.9 |
| 77.5° | 851.8  | 798.6  | 1283.0 | 2258.8 | 3928.1 | 5725.0 | 4079.3 | 2308.4 | 1521.6 | 902.6  | 1003.0 |
| 80°   | 261.1  | 252.8  | 342.6  | 680.5  | 1668.1 | 2742.0 | 1603.1 | 688.8  | 435.9  | 275.3  | 290.6  |
| 82.5° | 154.8  | 141.8  | 170.1  | 248.1  | 425.3  | 861.2  | 413.5  | 258.7  | 207.9  | 139.4  | 151.2  |
| 85°   | 88.6   | 82.7   | 100.4  | 120.5  | 142.9  | 183.1  | 119.3  | 122.9  | 111.1  | 74.4   | 78.0   |
| 87.5° | 36.6   | 33.1   | 39.0   | 37.8   | 33.1   | 42.5   | 31.9   | 37.8   | 44.9   | 29.5   | 27.2   |
| 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)