

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: P197574

Luminaire Tested: **TT-C5-LED-E1-5CQ-PM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197574  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33411)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-C5-LED-E1-5CQ-PM  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
CONCENTRATED DISTRIBUTION  
Light Source: (160) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9422.8 lumens  
Efficiency: N/A  
Efficacy: 122.4 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B3 - U0 - G1

Input Watts (W): 77  
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: 25 FT

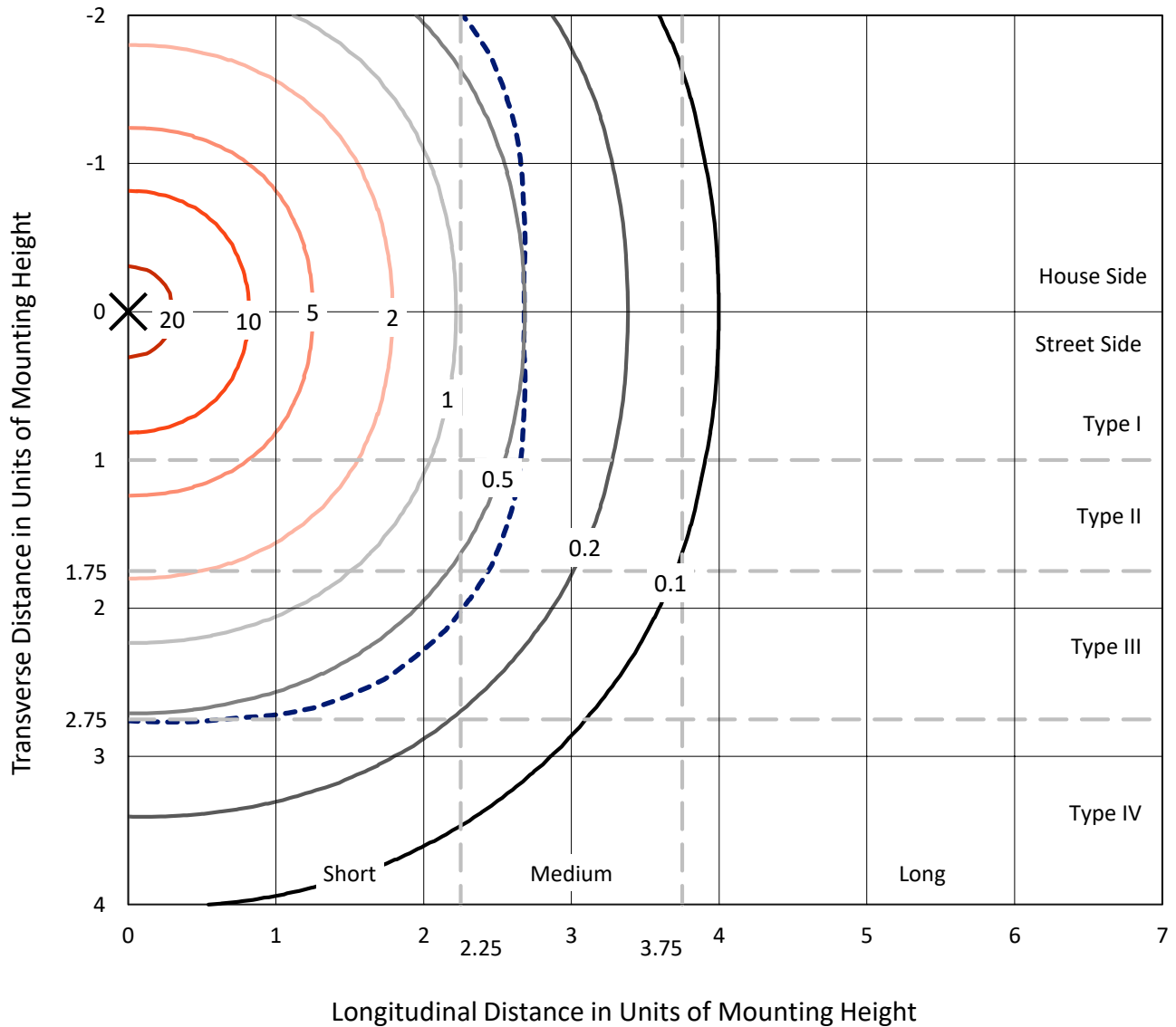


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

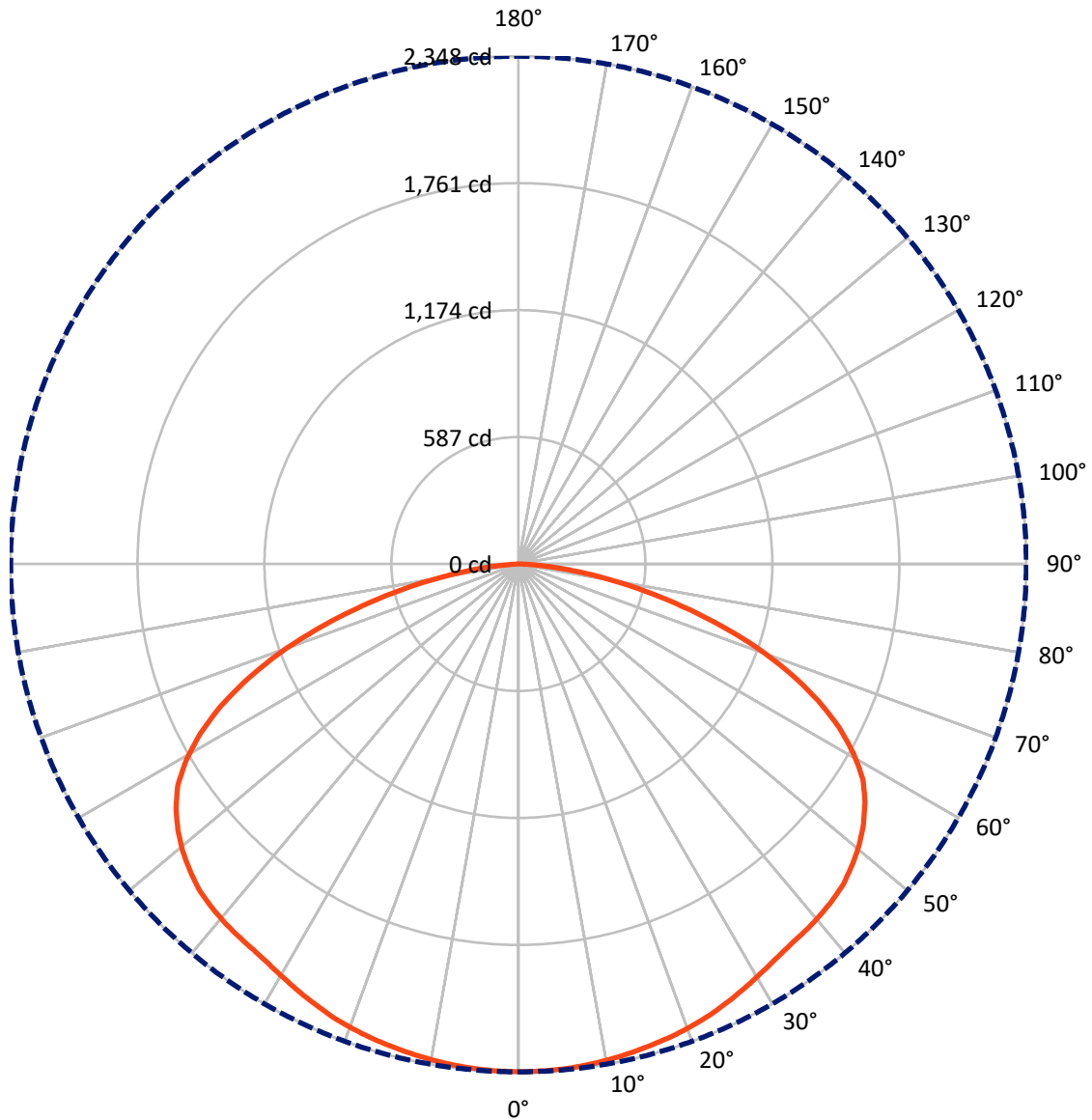


Based on 10 foot mounting height. Maximum calculated value = 23.5 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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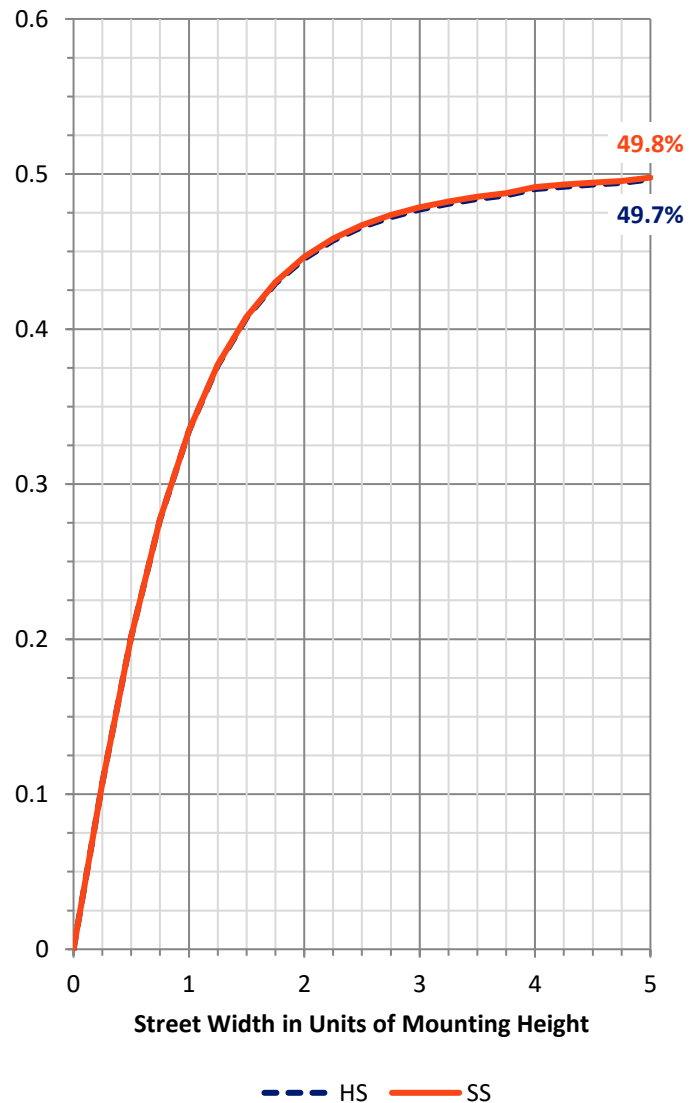
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4711.4   | 0.0    | 4711.4 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4711.4   | 0.0    | 4711.4 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 9422.8   | 0.0    | 9422.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 223.2  | 2.4       |
| 10°-20°   | 653.5  | 6.9       |
| 20°-30°   | 1039.6 | 11.0      |
| 30°-40°   | 1374.9 | 14.6      |
| 40°-50°   | 1677.8 | 17.8      |
| 50°-60°   | 1812.0 | 19.2      |
| 60°-70°   | 1569.2 | 16.7      |
| 70°-80°   | 889.7  | 9.4       |
| 80°-90°   | 183.0  | 1.9       |
| 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°    | 9422.8 | 100.0     |
| 0°-180°   | 9422.8 | 100.0     |



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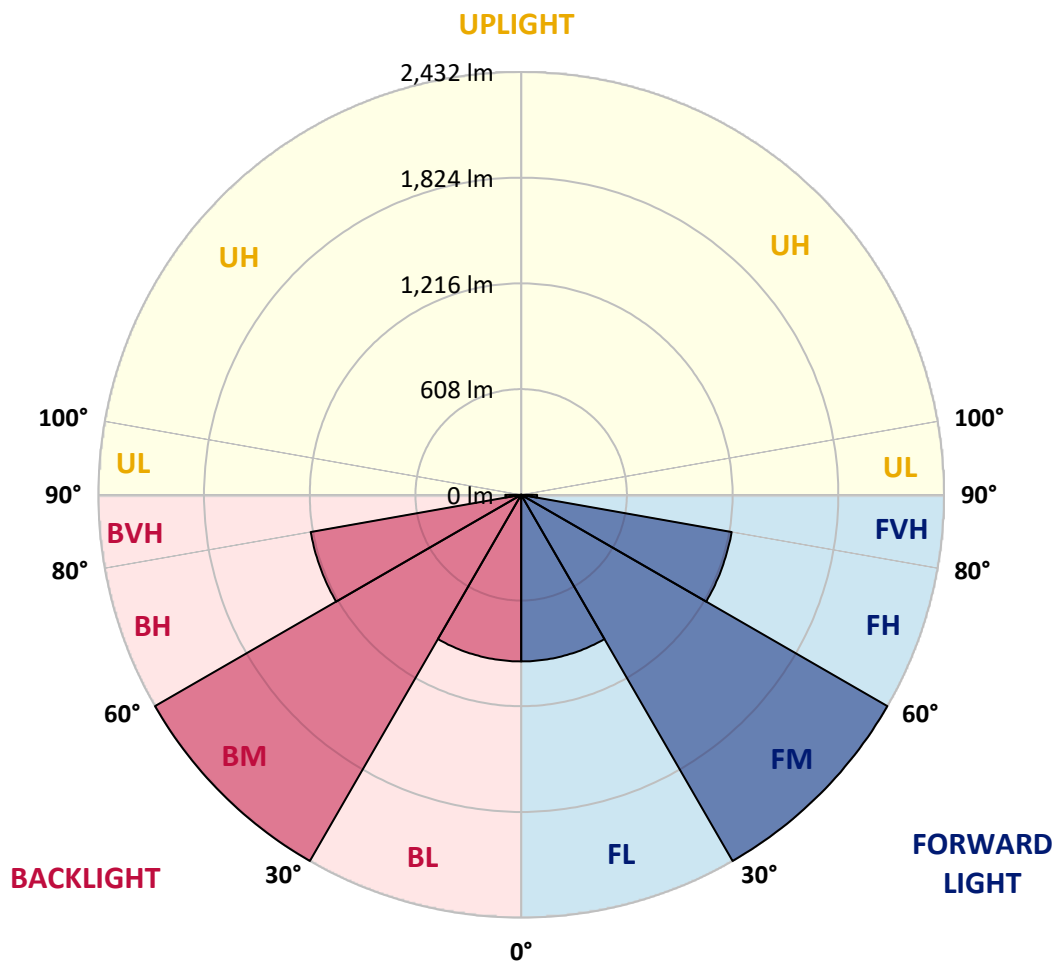
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 958.2  | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 2432.3 | 25.8      |                         |      |         |
| FH   | (60°-80°)   | 1229.4 | 13.0      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 91.5   | 1.0       |                         |      | G1/100  |
| BL   | (0°-30°)    | 958.2  | 10.2      | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2432.3 | 25.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1229.4 | 13.0      | B3/2500                 |      | G1/1800 |
| BVH  | (80°-90°)   | 91.5   | 1.0       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2348.3 | 2348.3 | 2348.3 | 2348.3 | 2348.3 | 2348.3 | 2348.3 | 2348.3 | 2348.3 | 2348.3 | 2348.3 |
| 2.5°  | 2346.7 | 2346.7 | 2346.7 | 2346.7 | 2346.7 | 2346.7 | 2346.7 | 2346.7 | 2346.7 | 2346.7 | 2346.7 |
| 5°    | 2343.4 | 2343.4 | 2343.4 | 2343.4 | 2343.4 | 2343.4 | 2343.4 | 2343.4 | 2343.4 | 2343.4 | 2343.4 |
| 7.5°  | 2336.9 | 2336.9 | 2336.9 | 2336.9 | 2336.9 | 2338.6 | 2336.9 | 2336.9 | 2336.9 | 2336.9 | 2338.6 |
| 10°   | 2328.8 | 2328.8 | 2330.4 | 2330.4 | 2328.8 | 2328.8 | 2328.8 | 2328.8 | 2328.8 | 2328.8 | 2328.8 |
| 12.5° | 2319.1 | 2319.1 | 2319.1 | 2319.1 | 2319.1 | 2319.1 | 2319.1 | 2319.1 | 2317.5 | 2317.5 | 2317.5 |
| 15°   | 2307.7 | 2307.7 | 2307.7 | 2309.4 | 2309.4 | 2309.4 | 2309.4 | 2307.7 | 2306.1 | 2304.5 | 2306.1 |
| 17.5° | 2296.4 | 2296.4 | 2298.1 | 2299.6 | 2299.6 | 2299.6 | 2299.6 | 2296.4 | 2294.8 | 2293.1 | 2293.1 |
| 20°   | 2281.8 | 2283.5 | 2283.5 | 2285.0 | 2286.7 | 2286.7 | 2286.7 | 2285.0 | 2281.8 | 2278.5 | 2278.5 |
| 22.5° | 2265.6 | 2267.2 | 2268.9 | 2270.4 | 2272.1 | 2270.4 | 2270.4 | 2268.9 | 2265.6 | 2263.9 | 2262.3 |
| 25°   | 2244.5 | 2244.5 | 2247.7 | 2251.0 | 2252.6 | 2252.6 | 2252.6 | 2249.3 | 2246.2 | 2244.5 | 2242.9 |
| 27.5° | 2223.4 | 2223.4 | 2226.6 | 2231.6 | 2233.1 | 2234.8 | 2231.6 | 2229.9 | 2225.1 | 2221.8 | 2221.8 |
| 30°   | 2200.7 | 2200.7 | 2205.6 | 2212.0 | 2217.0 | 2218.5 | 2217.0 | 2210.5 | 2203.9 | 2200.7 | 2200.7 |
| 32.5° | 2179.7 | 2181.3 | 2186.1 | 2195.9 | 2203.9 | 2207.2 | 2205.6 | 2197.4 | 2189.3 | 2182.8 | 2181.3 |
| 35°   | 2163.4 | 2165.1 | 2174.7 | 2186.1 | 2199.1 | 2203.9 | 2199.1 | 2191.0 | 2178.0 | 2168.2 | 2168.2 |
| 37.5° | 2153.7 | 2153.7 | 2166.7 | 2186.1 | 2200.7 | 2207.2 | 2200.7 | 2189.3 | 2171.5 | 2158.6 | 2158.6 |
| 40°   | 2142.3 | 2145.5 | 2161.8 | 2186.1 | 2207.2 | 2217.0 | 2208.8 | 2192.6 | 2169.9 | 2153.7 | 2152.1 |
| 42.5° | 2127.7 | 2132.6 | 2150.5 | 2182.8 | 2208.8 | 2223.4 | 2215.3 | 2195.9 | 2168.2 | 2150.5 | 2148.8 |
| 45°   | 2108.3 | 2109.9 | 2132.6 | 2171.5 | 2205.6 | 2225.1 | 2218.5 | 2194.2 | 2163.4 | 2142.3 | 2139.1 |
| 47.5° | 2077.5 | 2080.7 | 2108.3 | 2153.7 | 2195.9 | 2217.0 | 2212.0 | 2184.5 | 2145.5 | 2121.3 | 2116.3 |
| 50°   | 2041.8 | 2045.0 | 2077.5 | 2129.4 | 2176.4 | 2200.7 | 2192.6 | 2158.6 | 2116.3 | 2084.0 | 2080.7 |
| 52.5° | 1998.0 | 2004.5 | 2040.2 | 2098.6 | 2148.8 | 2171.5 | 2158.6 | 2114.8 | 2066.1 | 2030.4 | 2027.2 |
| 55°   | 1944.5 | 1950.9 | 1991.5 | 2053.1 | 2103.4 | 2121.3 | 2103.4 | 2051.5 | 1999.6 | 1959.1 | 1950.9 |
| 57.5° | 1878.0 | 1882.9 | 1921.8 | 1986.6 | 2035.3 | 2049.9 | 2027.2 | 1973.7 | 1912.1 | 1868.3 | 1863.4 |
| 60°   | 1780.7 | 1787.2 | 1832.5 | 1892.6 | 1941.3 | 1959.1 | 1936.4 | 1871.5 | 1805.0 | 1761.2 | 1759.6 |
| 62.5° | 1664.0 | 1675.3 | 1714.2 | 1779.1 | 1822.9 | 1847.1 | 1816.4 | 1749.9 | 1683.4 | 1633.1 | 1633.1 |
| 65°   | 1522.8 | 1530.9 | 1573.1 | 1636.3 | 1678.6 | 1699.6 | 1668.8 | 1607.1 | 1534.1 | 1490.4 | 1485.5 |
| 67.5° | 1360.6 | 1367.1 | 1404.4 | 1469.3 | 1514.7 | 1532.6 | 1498.5 | 1440.1 | 1372.0 | 1325.0 | 1320.1 |
| 70°   | 1180.6 | 1190.4 | 1218.0 | 1278.0 | 1318.5 | 1328.2 | 1302.2 | 1247.1 | 1185.5 | 1143.3 | 1140.0 |
| 72.5° | 984.4  | 992.5  | 1028.2 | 1075.2 | 1107.7 | 1110.9 | 1094.7 | 1054.1 | 990.9  | 956.9  | 951.9  |
| 75°   | 783.3  | 796.3  | 827.0  | 867.6  | 892.0  | 892.0  | 882.2  | 853.1  | 797.9  | 772.0  | 772.0  |
| 77.5° | 593.6  | 600.1  | 632.5  | 660.0  | 679.5  | 689.2  | 677.9  | 652.0  | 608.2  | 590.3  | 580.6  |
| 80°   | 413.5  | 420.0  | 434.6  | 455.7  | 475.2  | 481.7  | 468.7  | 447.6  | 423.3  | 410.3  | 403.9  |
| 82.5° | 253.0  | 259.4  | 267.6  | 279.0  | 291.9  | 298.4  | 290.3  | 277.3  | 256.3  | 254.6  | 253.0  |
| 85°   | 121.6  | 124.9  | 131.4  | 134.7  | 141.1  | 142.7  | 144.3  | 137.8  | 131.4  | 123.2  | 126.5  |
| 87.5° | 37.3   | 37.3   | 39.0   | 40.5   | 43.8   | 43.8   | 43.8   | 42.1   | 39.0   | 37.3   | 37.3   |
| 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)