

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: P400677

Luminaire Tested: **TT-D6-735-U-5MQ-PM**

Issue Date: 5/19/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P400677  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/19/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: TT-D6-735-U-5MQ-PM  
Description: TOPTIER LED SITE LUMINAIRE  
3500K, 70 CRI LEDS AND MEDIUM DISTRIBUTION  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12526 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G3

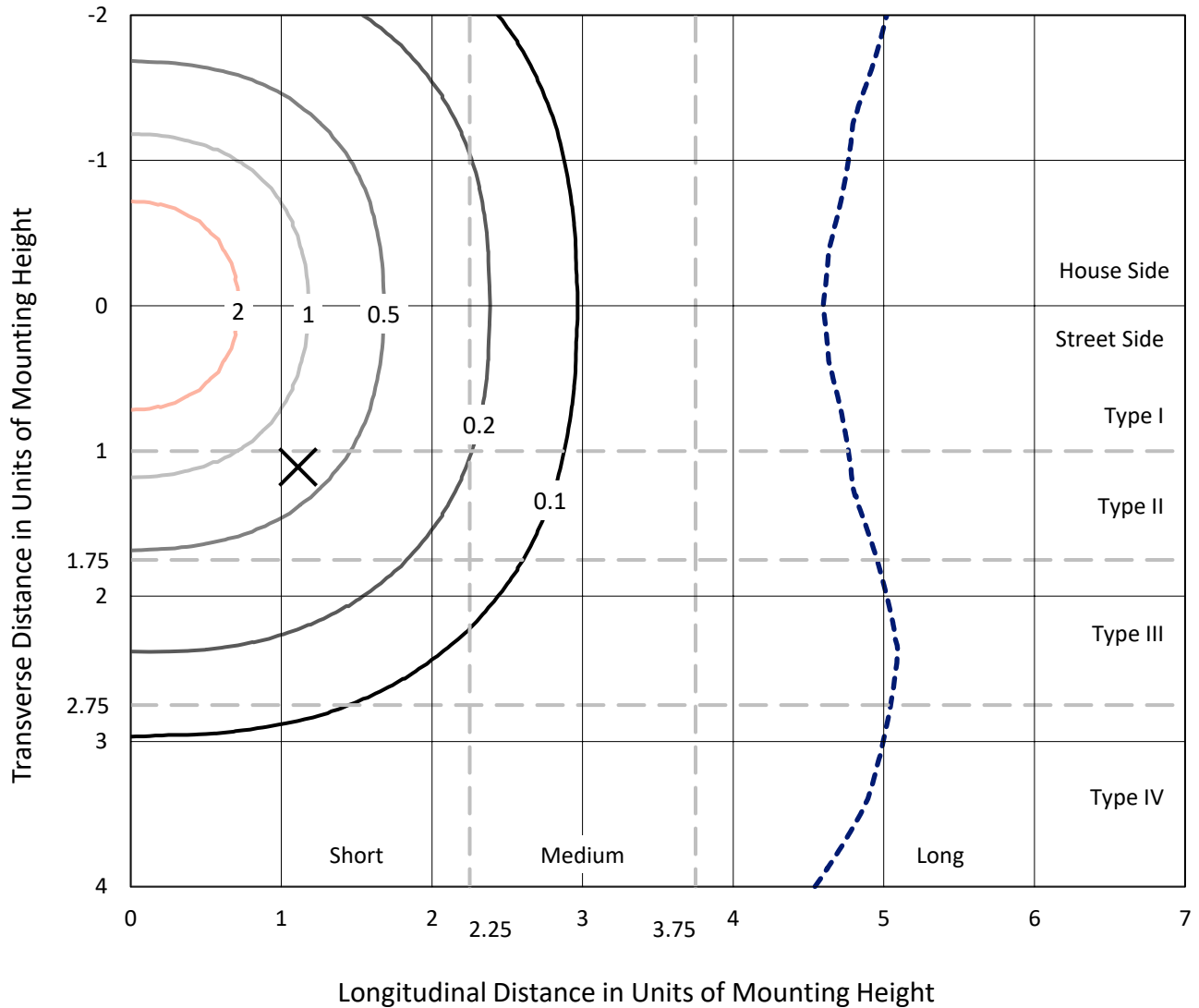
Input Watts (W): 105.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

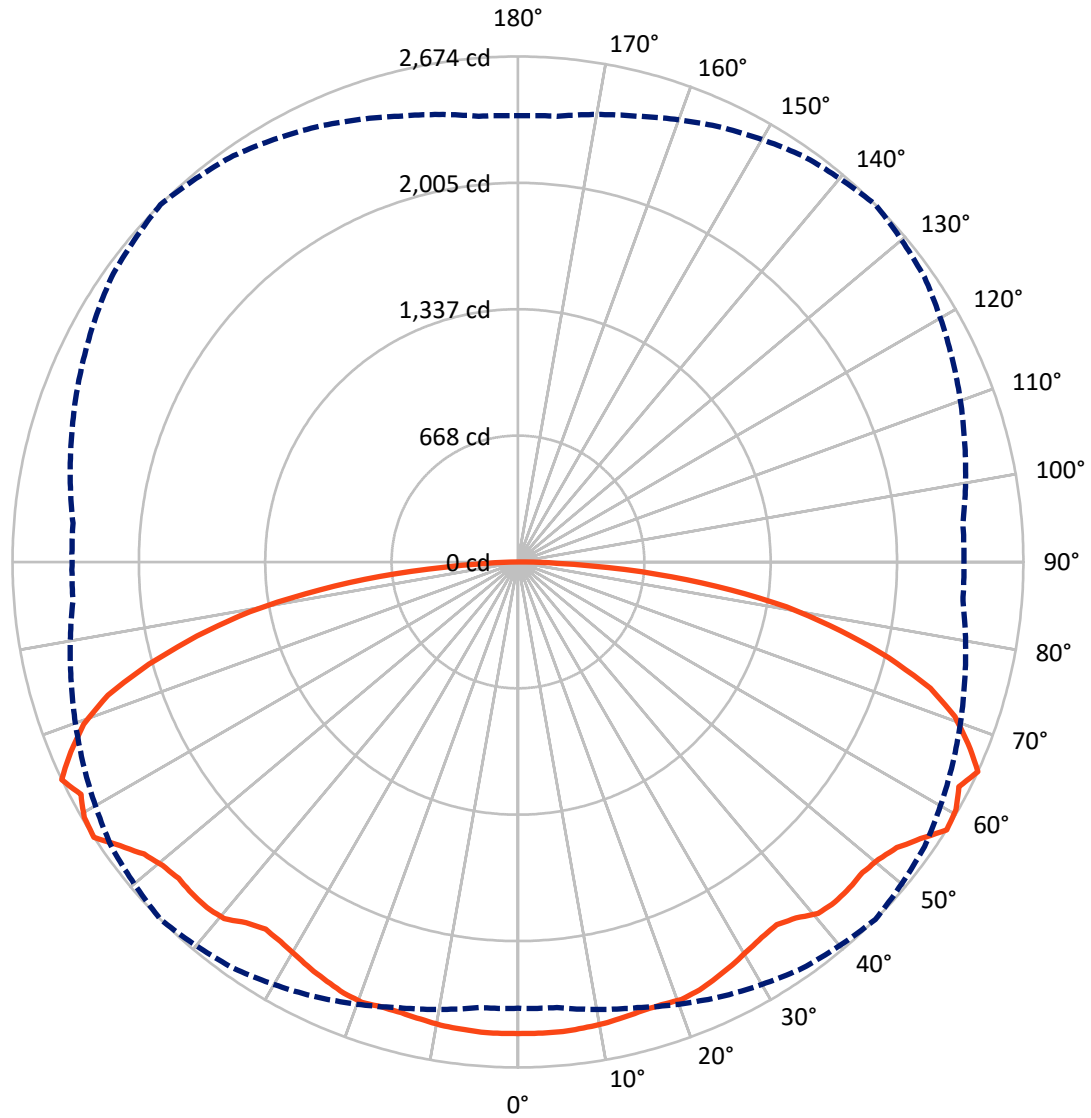
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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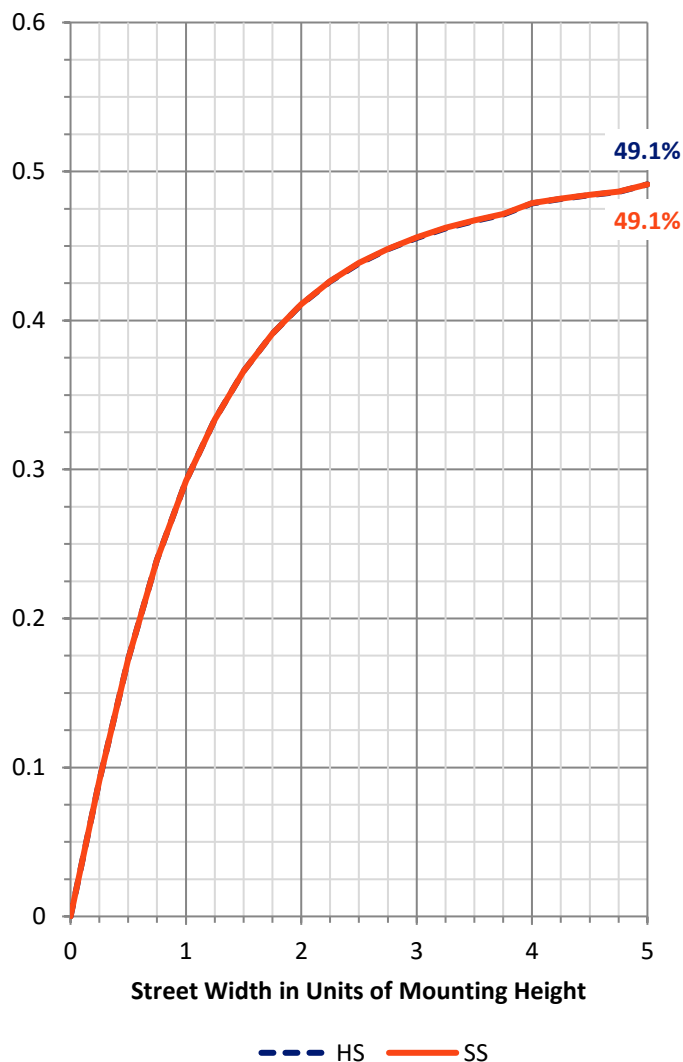
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6263.0   | 0.0    | 6263.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6263.0   | 0.0    | 6263.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 12526.0  | 0.0    | 12526.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 237.7   | 1.9       |
| 10°-20°   | 699.2   | 5.6       |
| 20°-30°   | 1123.6  | 9.0       |
| 30°-40°   | 1483.3  | 11.8      |
| 40°-50°   | 1855.8  | 14.8      |
| 50°-60°   | 2207.3  | 17.6      |
| 60°-70°   | 2394.1  | 19.1      |
| 70°-80°   | 1905.6  | 15.2      |
| 80°-90°   | 619.4   | 4.9       |
| 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°    | 12526.0 | 100.0     |
| 0°-180°   | 12526.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P400677

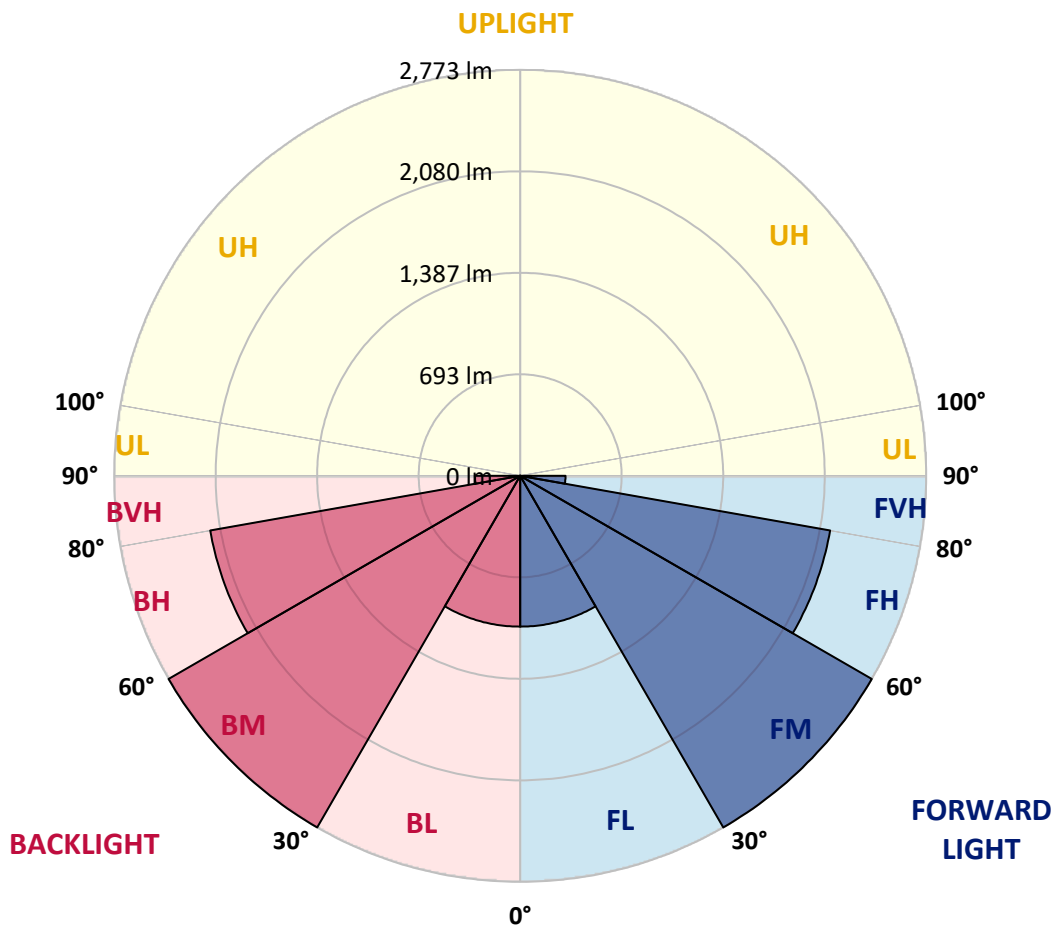
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1030.3 | 8.2       |                         |      |         |
| FM (30°-60°)   | 2773.2 | 22.1      |                         |      |         |
| FH (60°-80°)   | 2149.8 | 17.2      |                         |      | G2/5000 |
| FVH (80°-90°)  | 309.7  | 2.5       |                         |      | G3/500  |
| BL (0°-30°)    | 1030.3 | 8.2       | B3/2500                 |      |         |
| BM (30°-60°)   | 2773.2 | 22.1      | B3/5000                 |      |         |
| BH (60°-80°)   | 2149.8 | 17.2      | B3/2500                 |      | G2/5000 |
| BVH (80°-90°)  | 309.7  | 2.5       |                         |      | G3/500  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2494.8 | 2494.8 | 2494.8 | 2494.8 | 2494.8 | 2494.8 | 2494.8 | 2494.8 | 2494.8 | 2494.8 | 2494.8 |
| 2.5°  | 2498.5 | 2496.7 | 2498.5 | 2496.7 | 2496.7 | 2494.8 | 2496.7 | 2496.7 | 2496.7 | 2496.7 | 2496.7 |
| 5°    | 2496.7 | 2494.8 | 2494.8 | 2496.7 | 2494.8 | 2494.8 | 2494.8 | 2494.8 | 2494.8 | 2494.8 | 2494.8 |
| 7.5°  | 2489.2 | 2489.2 | 2491.1 | 2489.2 | 2489.2 | 2489.2 | 2489.2 | 2489.2 | 2489.2 | 2491.1 | 2491.1 |
| 10°   | 2483.6 | 2481.7 | 2483.6 | 2483.6 | 2481.7 | 2483.6 | 2481.7 | 2483.6 | 2483.6 | 2483.6 | 2483.6 |
| 12.5° | 2476.2 | 2474.3 | 2476.2 | 2476.2 | 2474.3 | 2472.4 | 2474.3 | 2474.3 | 2476.2 | 2476.2 | 2476.2 |
| 15°   | 2463.1 | 2463.1 | 2466.8 | 2465.0 | 2465.0 | 2463.1 | 2466.8 | 2465.0 | 2463.1 | 2465.0 | 2465.0 |
| 17.5° | 2453.8 | 2453.8 | 2457.5 | 2461.3 | 2461.3 | 2461.3 | 2461.3 | 2459.4 | 2455.7 | 2457.5 | 2453.8 |
| 20°   | 2455.7 | 2457.5 | 2459.4 | 2465.0 | 2468.7 | 2470.6 | 2470.6 | 2465.0 | 2459.4 | 2461.3 | 2459.4 |
| 22.5° | 2450.1 | 2448.2 | 2450.1 | 2453.8 | 2459.4 | 2459.4 | 2459.4 | 2451.9 | 2450.1 | 2448.2 | 2448.2 |
| 25°   | 2427.7 | 2427.7 | 2431.4 | 2435.2 | 2438.9 | 2437.0 | 2438.9 | 2435.2 | 2431.4 | 2427.7 | 2427.7 |
| 27.5° | 2401.6 | 2401.6 | 2407.2 | 2410.9 | 2414.7 | 2414.7 | 2412.8 | 2409.1 | 2407.2 | 2403.5 | 2401.6 |
| 30°   | 2375.5 | 2375.5 | 2381.1 | 2384.9 | 2390.5 | 2388.6 | 2388.6 | 2383.0 | 2377.4 | 2373.7 | 2373.7 |
| 32.5° | 2347.6 | 2345.7 | 2351.3 | 2360.6 | 2368.1 | 2368.1 | 2368.1 | 2356.9 | 2349.5 | 2345.7 | 2343.9 |
| 35°   | 2323.4 | 2323.4 | 2330.8 | 2347.6 | 2356.9 | 2356.9 | 2353.2 | 2345.7 | 2329.0 | 2323.4 | 2323.4 |
| 37.5° | 2315.9 | 2321.5 | 2342.0 | 2366.2 | 2384.9 | 2388.6 | 2383.0 | 2362.5 | 2340.1 | 2323.4 | 2317.8 |
| 40°   | 2340.1 | 2345.7 | 2371.8 | 2410.9 | 2438.9 | 2444.5 | 2438.9 | 2409.1 | 2370.0 | 2343.9 | 2342.0 |
| 42.5° | 2343.9 | 2347.6 | 2379.3 | 2424.0 | 2450.1 | 2459.4 | 2450.1 | 2420.3 | 2377.4 | 2345.7 | 2343.9 |
| 45°   | 2330.8 | 2332.7 | 2370.0 | 2416.5 | 2448.2 | 2459.4 | 2448.2 | 2412.8 | 2368.1 | 2332.7 | 2330.8 |
| 47.5° | 2314.1 | 2317.8 | 2358.8 | 2407.2 | 2446.3 | 2453.8 | 2444.5 | 2405.4 | 2355.1 | 2319.7 | 2314.1 |
| 50°   | 2301.0 | 2312.2 | 2349.5 | 2403.5 | 2450.1 | 2472.4 | 2450.1 | 2397.9 | 2347.6 | 2308.5 | 2301.0 |
| 52.5° | 2308.5 | 2312.2 | 2360.6 | 2437.0 | 2500.4 | 2509.7 | 2498.5 | 2437.0 | 2356.9 | 2312.2 | 2306.6 |
| 55°   | 2330.8 | 2347.6 | 2399.8 | 2509.7 | 2567.5 | 2584.2 | 2560.0 | 2506.0 | 2401.6 | 2347.6 | 2330.8 |
| 57.5° | 2360.6 | 2366.2 | 2440.8 | 2537.6 | 2623.4 | 2673.7 | 2625.2 | 2535.8 | 2446.3 | 2362.5 | 2358.8 |
| 60°   | 2336.4 | 2319.7 | 2412.8 | 2526.5 | 2642.0 | 2662.5 | 2634.5 | 2528.3 | 2409.1 | 2317.8 | 2334.6 |
| 62.5° | 2271.2 | 2282.4 | 2358.8 | 2515.3 | 2595.4 | 2617.8 | 2588.0 | 2515.3 | 2355.1 | 2291.7 | 2265.6 |
| 65°   | 2219.0 | 2286.1 | 2370.0 | 2481.7 | 2610.3 | 2673.7 | 2612.2 | 2478.0 | 2373.7 | 2274.9 | 2213.5 |
| 67.5° | 2146.4 | 2159.4 | 2284.3 | 2422.1 | 2537.6 | 2569.3 | 2535.8 | 2424.0 | 2273.1 | 2150.1 | 2159.4 |
| 70°   | 2023.4 | 2004.8 | 2131.5 | 2291.7 | 2401.6 | 2451.9 | 2405.4 | 2284.3 | 2125.9 | 2001.1 | 2017.8 |
| 72.5° | 1820.3 | 1831.5 | 1948.9 | 2118.4 | 2232.1 | 2280.5 | 2233.9 | 2105.4 | 1945.2 | 1842.7 | 1831.5 |
| 75°   | 1607.9 | 1621.0 | 1734.6 | 1889.3 | 2004.8 | 2025.3 | 2012.2 | 1879.9 | 1738.3 | 1619.1 | 1607.9 |
| 77.5° | 1365.7 | 1378.7 | 1471.9 | 1641.5 | 1710.4 | 1742.1 | 1714.1 | 1650.8 | 1468.2 | 1376.9 | 1362.0 |
| 80°   | 1097.4 | 1093.7 | 1175.7 | 1321.0 | 1406.7 | 1442.1 | 1406.7 | 1324.7 | 1171.9 | 1101.1 | 1076.9 |
| 82.5° | 784.4  | 788.1  | 864.5  | 965.1  | 1047.1 | 1058.3 | 1041.5 | 974.4  | 857.1  | 797.4  | 763.9  |
| 85°   | 436.0  | 452.8  | 508.6  | 583.2  | 637.2  | 655.8  | 627.9  | 564.5  | 506.8  | 460.2  | 445.3  |
| 87.5° | 104.3  | 113.7  | 132.3  | 167.7  | 188.2  | 206.8  | 188.2  | 175.1  | 124.8  | 113.7  | 104.3  |
| 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)