

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: P148530

Luminaire Tested: **TMU-E06-LED-E-U-5XQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148530
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: TMU-E06-LED-E-U-5XQ
Description: TALON MEDIUM LED AREA LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19082.3 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G4

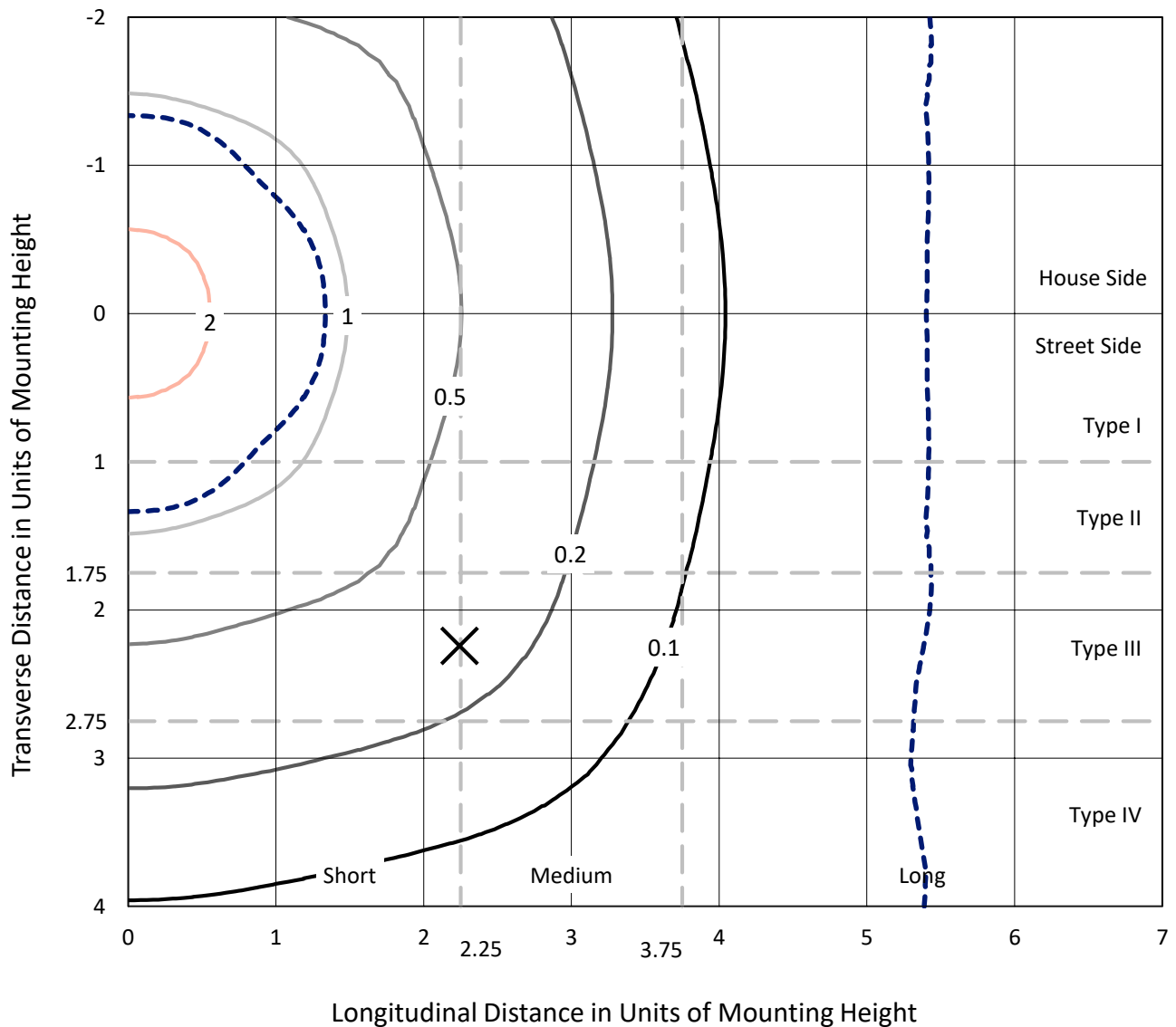
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

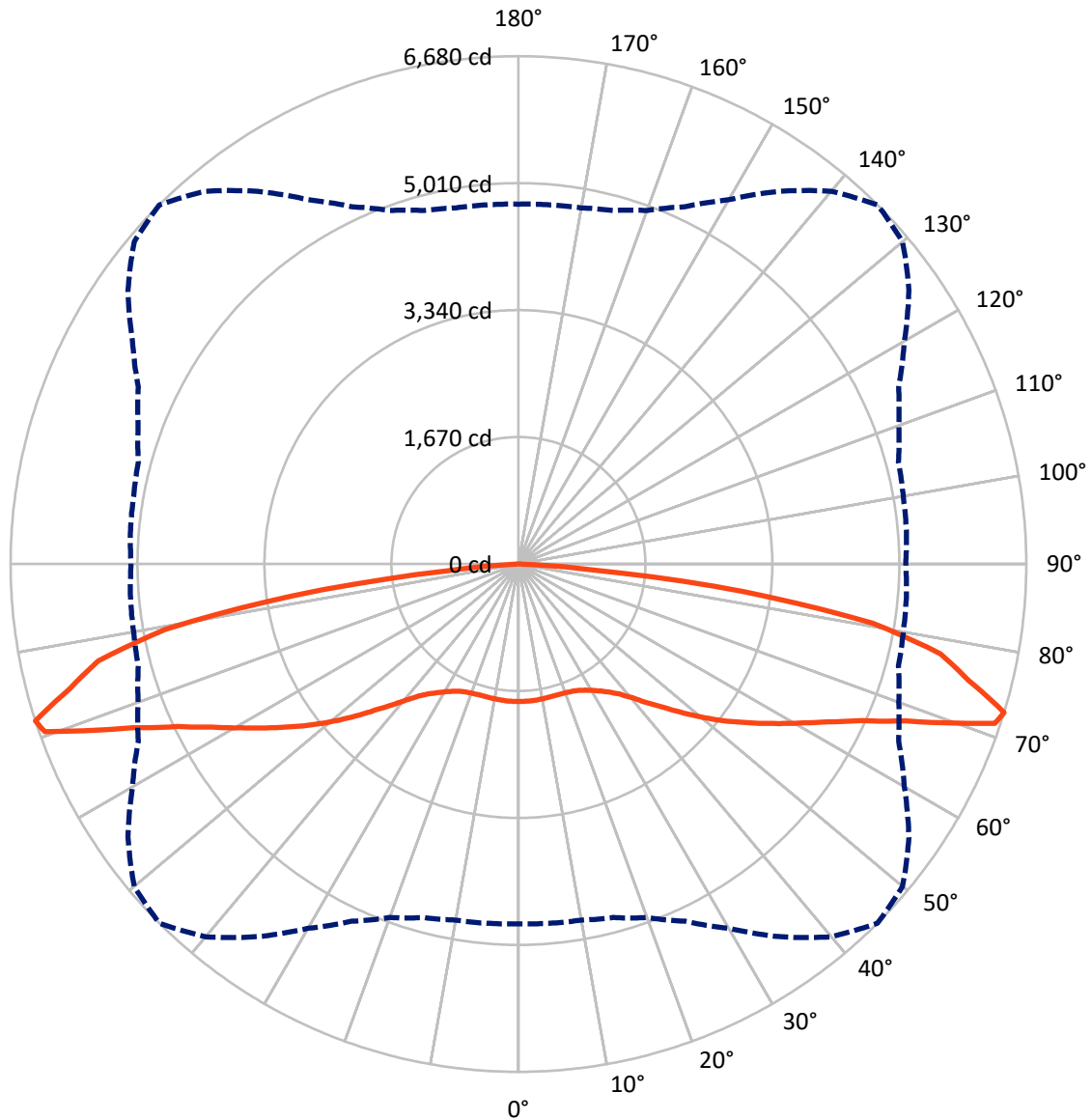


Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - Non-Cutoff

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CATALOG NUMBER: TMU-E06-LED-E-U-5XQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9541.1 | 0.0 | 9541.1 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 9541.1 | 0.0 | 9541.1 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 19082.3 | 0.0 | 19082.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 172.3 | 0.9 |
| 10°-20° | 509.7 | 2.7 |
| 20°-30° | 853.5 | 4.5 |
| 30°-40° | 1301.2 | 6.8 |
| 40°-50° | 2077.7 | 10.9 |
| 50°-60° | 3194.7 | 16.7 |
| 60°-70° | 4651.5 | 24.4 |
| 70°-80° | 5239.9 | 27.5 |
| 80°-90° | 1081.7 | 5.7 |
| 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° | 19082.3 | 100.0 |
| 0°-180° | 19082.3 | 100.0 |



REPORT NUMBER: P148530

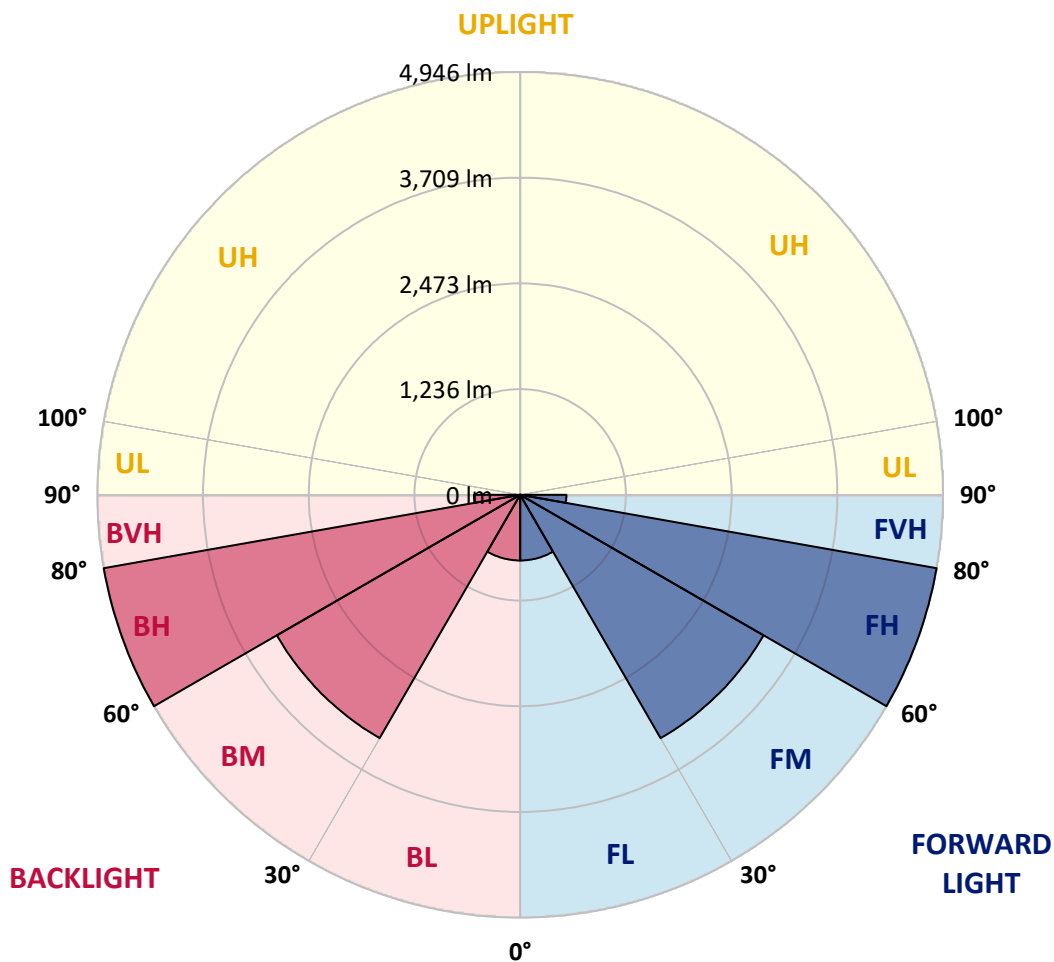
CATALOG NUMBER: TMU-E06-LED-E-U-5XQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 767.8 | 4.0 | | | |
| FM | (30°-60°) | 3286.8 | 17.2 | | | |
| FH | (60°-80°) | 4945.7 | 25.9 | | | G2/5000 |
| FVH | (80°-90°) | 540.8 | 2.8 | | | G4/750 |
| BL | (0°-30°) | 767.8 | 4.0 | B2/1000 | | |
| BM | (30°-60°) | 3286.8 | 17.2 | B3/5000 | | |
| BH | (60°-80°) | 4945.7 | 25.9 | B4/5000 | | G2/5000 |
| BVH | (80°-90°) | 540.8 | 2.8 | | | G4/750 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 1808 | 1808 | 1808 | 1808 | 1808 | 1808 | 1808 | 1808 | 1808 | 1808 | 1808 |
| 2.5° | 1811 | 1812 | 1812 | 1811 | 1811 | 1811 | 1810 | 1809 | 1806 | 1808 | 1811 |
| 5° | 1811 | 1810 | 1810 | 1809 | 1809 | 1811 | 1809 | 1808 | 1807 | 1808 | 1807 |
| 7.5° | 1810 | 1808 | 1807 | 1807 | 1807 | 1808 | 1806 | 1804 | 1806 | 1804 | 1802 |
| 10° | 1807 | 1806 | 1806 | 1804 | 1805 | 1804 | 1802 | 1801 | 1802 | 1800 | 1798 |
| 12.5° | 1808 | 1806 | 1805 | 1804 | 1804 | 1803 | 1801 | 1798 | 1799 | 1798 | 1795 |
| 15° | 1808 | 1807 | 1806 | 1804 | 1804 | 1803 | 1800 | 1799 | 1799 | 1797 | 1794 |
| 17.5° | 1809 | 1808 | 1808 | 1806 | 1805 | 1804 | 1801 | 1799 | 1801 | 1798 | 1796 |
| 20° | 1812 | 1811 | 1812 | 1810 | 1808 | 1808 | 1806 | 1805 | 1805 | 1805 | 1799 |
| 22.5° | 1818 | 1818 | 1819 | 1819 | 1818 | 1819 | 1817 | 1817 | 1817 | 1817 | 1813 |
| 25° | 1835 | 1835 | 1836 | 1836 | 1836 | 1840 | 1838 | 1838 | 1840 | 1840 | 1836 |
| 27.5° | 1867 | 1866 | 1867 | 1868 | 1871 | 1875 | 1874 | 1876 | 1880 | 1879 | 1875 |
| 30° | 1904 | 1903 | 1906 | 1909 | 1911 | 1918 | 1915 | 1922 | 1926 | 1929 | 1926 |
| 32.5° | 1958 | 1958 | 1963 | 1965 | 1969 | 1976 | 1977 | 1983 | 1988 | 1993 | 1989 |
| 35° | 2030 | 2029 | 2033 | 2036 | 2042 | 2048 | 2051 | 2059 | 2066 | 2069 | 2063 |
| 37.5° | 2140 | 2135 | 2141 | 2143 | 2148 | 2149 | 2156 | 2166 | 2174 | 2173 | 2168 |
| 40° | 2289 | 2288 | 2286 | 2283 | 2290 | 2292 | 2292 | 2306 | 2318 | 2316 | 2315 |
| 42.5° | 2463 | 2459 | 2456 | 2456 | 2460 | 2461 | 2476 | 2486 | 2495 | 2497 | 2495 |
| 45° | 2650 | 2646 | 2647 | 2645 | 2646 | 2653 | 2662 | 2680 | 2696 | 2697 | 2688 |
| 47.5° | 2851 | 2837 | 2848 | 2833 | 2842 | 2847 | 2870 | 2897 | 2925 | 2930 | 2922 |
| 50° | 3055 | 3054 | 3053 | 3050 | 3054 | 3065 | 3093 | 3135 | 3162 | 3180 | 3168 |
| 52.5° | 3278 | 3271 | 3267 | 3262 | 3267 | 3288 | 3327 | 3364 | 3412 | 3433 | 3416 |
| 55° | 3495 | 3493 | 3480 | 3479 | 3489 | 3522 | 3564 | 3610 | 3662 | 3685 | 3679 |
| 57.5° | 3718 | 3704 | 3700 | 3694 | 3713 | 3744 | 3796 | 3878 | 3932 | 3958 | 3943 |
| 60° | 3936 | 3925 | 3917 | 3915 | 3928 | 3972 | 4046 | 4144 | 4212 | 4246 | 4222 |
| 62.5° | 4170 | 4163 | 4153 | 4142 | 4169 | 4226 | 4318 | 4427 | 4526 | 4568 | 4532 |
| 65° | 4461 | 4447 | 4436 | 4421 | 4444 | 4515 | 4630 | 4784 | 4917 | 4966 | 4940 |
| 67.5° | 4768 | 4755 | 4756 | 4747 | 4787 | 4885 | 5034 | 5243 | 5422 | 5505 | 5456 |
| 70° | 5036 | 5044 | 5046 | 5082 | 5151 | 5301 | 5549 | 5876 | 6147 | 6275 | 6222 |
| 71° | 4957 | 4974 | 4999 | 5037 | 5156 | 5334 | 5672 | 6068 | 6392 | 6608 | 6535 |
| 72.5° | 4733 | 4743 | 4756 | 4814 | 4949 | 5184 | 5532 | 5984 | 6401 | 6680 | 6596 |
| 75° | 4409 | 4419 | 4423 | 4464 | 4586 | 4791 | 5110 | 5511 | 5879 | 6117 | 6093 |
| 77.5° | 3920 | 3922 | 3957 | 4019 | 4157 | 4391 | 4727 | 5143 | 5489 | 5674 | 5556 |
| 80° | 2815 | 2796 | 2832 | 2913 | 3083 | 3352 | 3696 | 4171 | 4554 | 4727 | 4545 |
| 82.5° | 1071 | 1129 | 1221 | 1354 | 1411 | 1710 | 2031 | 2310 | 2633 | 2994 | 2904 |
| 85° | 115 | 130 | 163 | 202 | 255 | 352 | 487 | 664 | 819 | 962 | 854 |
| 87.5° | 43 | 44 | 49 | 57 | 58 | 60 | 64 | 75 | 70 | 60 | 49 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P148530

CATALOG NUMBER: TMU-E06-LED-E-U-5XQ

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|-------|------|------|------|------|------|------|------|------|
| 0° | 1808 | 1808 | 1808 | 1808 | 1808 | 1808 | 1808 | 1808 |
| 2.5° | 1808 | 1809 | 1808 | 1809 | 1809 | 1807 | 1807 | 1806 |
| 5° | 1808 | 1806 | 1807 | 1807 | 1807 | 1808 | 1806 | 1807 |
| 7.5° | 1805 | 1802 | 1803 | 1803 | 1802 | 1804 | 1803 | 1802 |
| 10° | 1800 | 1796 | 1798 | 1797 | 1797 | 1797 | 1797 | 1797 |
| 12.5° | 1796 | 1793 | 1794 | 1793 | 1793 | 1794 | 1794 | 1794 |
| 15° | 1795 | 1791 | 1790 | 1789 | 1790 | 1791 | 1791 | 1792 |
| 17.5° | 1794 | 1789 | 1788 | 1787 | 1788 | 1790 | 1790 | 1789 |
| 20° | 1797 | 1793 | 1792 | 1791 | 1790 | 1793 | 1792 | 1792 |
| 22.5° | 1811 | 1806 | 1805 | 1801 | 1800 | 1801 | 1800 | 1800 |
| 25° | 1833 | 1827 | 1825 | 1820 | 1816 | 1816 | 1814 | 1813 |
| 27.5° | 1874 | 1865 | 1863 | 1858 | 1853 | 1854 | 1851 | 1850 |
| 30° | 1921 | 1913 | 1906 | 1899 | 1893 | 1890 | 1887 | 1886 |
| 32.5° | 1982 | 1973 | 1965 | 1957 | 1948 | 1944 | 1938 | 1935 |
| 35° | 2058 | 2046 | 2036 | 2030 | 2021 | 2017 | 2013 | 2017 |
| 37.5° | 2163 | 2149 | 2144 | 2137 | 2131 | 2124 | 2126 | 2124 |
| 40° | 2309 | 2296 | 2291 | 2280 | 2278 | 2270 | 2275 | 2270 |
| 42.5° | 2490 | 2466 | 2462 | 2453 | 2450 | 2446 | 2448 | 2444 |
| 45° | 2686 | 2665 | 2661 | 2646 | 2647 | 2636 | 2640 | 2640 |
| 47.5° | 2907 | 2885 | 2866 | 2856 | 2852 | 2845 | 2849 | 2848 |
| 50° | 3135 | 3105 | 3084 | 3064 | 3055 | 3057 | 3050 | 3062 |
| 52.5° | 3380 | 3335 | 3306 | 3286 | 3269 | 3273 | 3274 | 3277 |
| 55° | 3634 | 3576 | 3534 | 3508 | 3493 | 3494 | 3498 | 3502 |
| 57.5° | 3889 | 3816 | 3759 | 3721 | 3711 | 3716 | 3716 | 3715 |
| 60° | 4153 | 4066 | 3993 | 3950 | 3941 | 3938 | 3958 | 3951 |
| 62.5° | 4437 | 4333 | 4257 | 4202 | 4189 | 4198 | 4215 | 4211 |
| 65° | 4814 | 4669 | 4571 | 4517 | 4495 | 4504 | 4527 | 4526 |
| 67.5° | 5299 | 5097 | 4968 | 4898 | 4882 | 4893 | 4906 | 4918 |
| 70° | 6025 | 5737 | 5552 | 5400 | 5335 | 5323 | 5336 | 5336 |
| 71° | 6281 | 5949 | 5655 | 5470 | 5363 | 5318 | 5322 | 5299 |
| 72.5° | 6270 | 5862 | 5517 | 5324 | 5176 | 5140 | 5122 | 5095 |
| 75° | 5848 | 5480 | 5181 | 4970 | 4827 | 4785 | 4754 | 4752 |
| 77.5° | 5303 | 5032 | 4702 | 4479 | 4305 | 4235 | 4203 | 4202 |
| 80° | 4263 | 3857 | 3616 | 3481 | 3272 | 3211 | 3147 | 3123 |
| 82.5° | 2578 | 2015 | 1638 | 1456 | 1355 | 1116 | 1001 | 947 |
| 85° | 601 | 427 | 294 | 193 | 139 | 111 | 85 | 75 |
| 87.5° | 41 | 32 | 29 | 23 | 18 | 17 | 11 | 9 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(END OF REPORT)