

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: P387218

Luminaire Tested: **TT-D5-740-U-5CQ-PM**

Issue Date: 2/18/2020

Test Information

Test Method: LM-79-08
Report Number: P387218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-17)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/18/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-D5-740-U-5CQ-PM
Description: TOPTIER LED SITE LUMINAIRE
4000K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9415 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

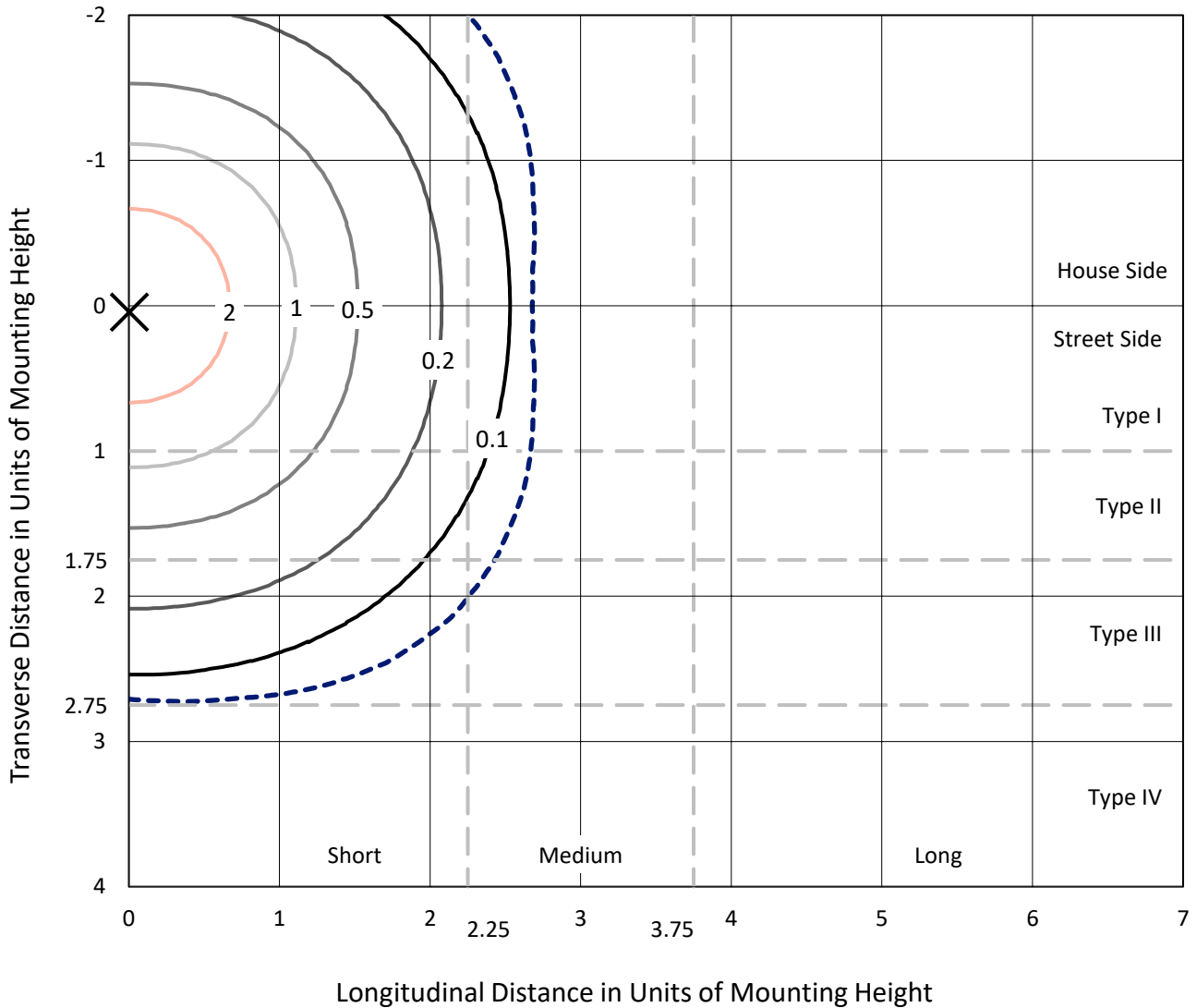
Input Watts (W): 74.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

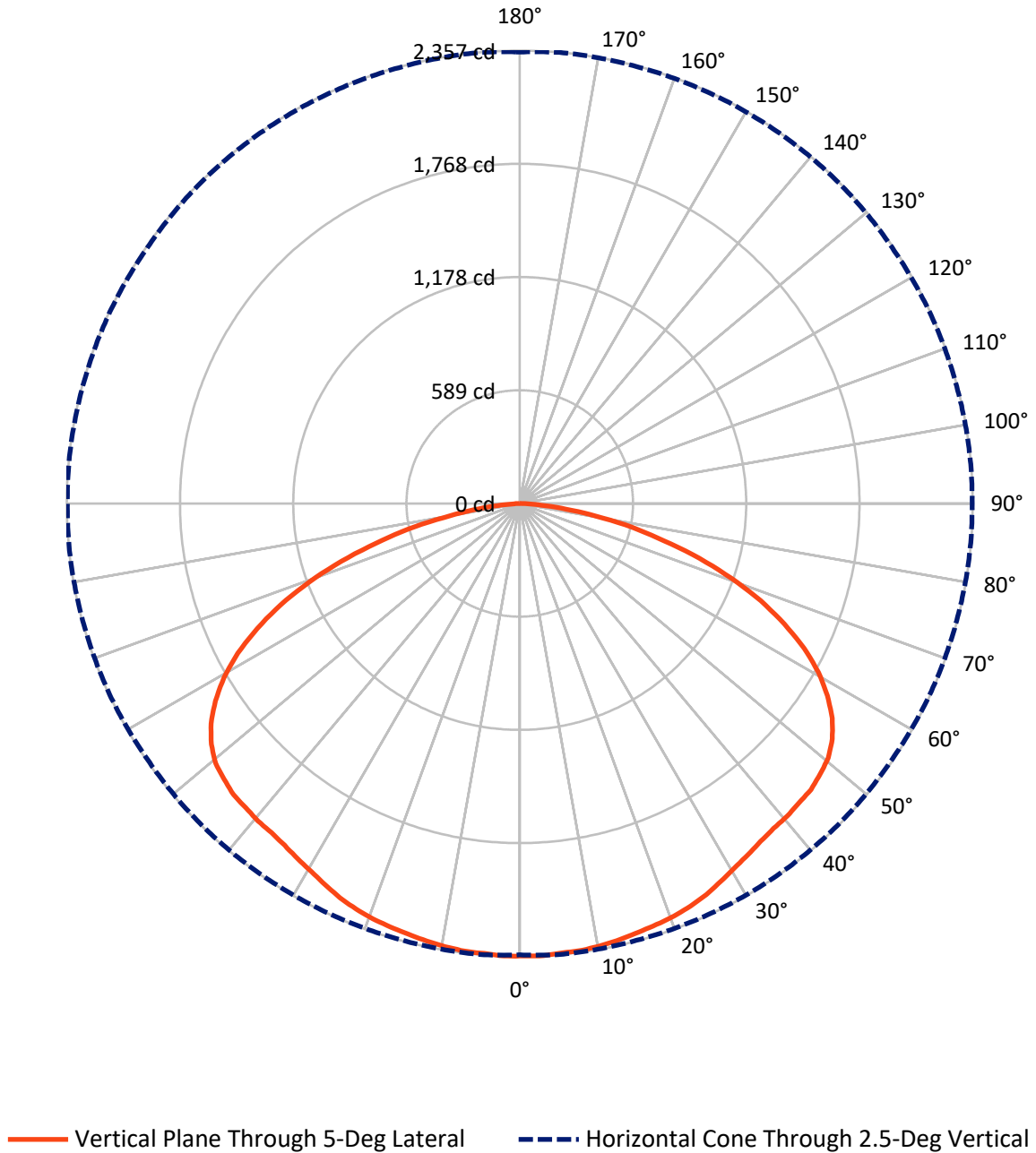
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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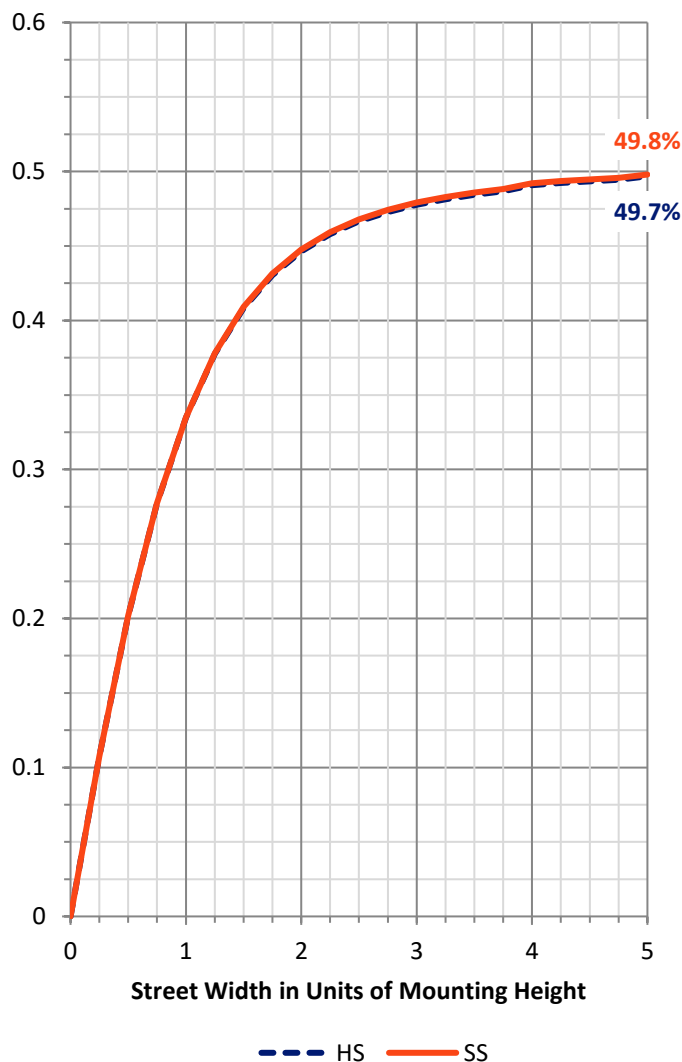
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4707.5 | 0.0 | 4707.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4707.5 | 0.0 | 4707.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 9415.0 | 0.0 | 9415.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 224.0 | 2.4 |
| 10°-20° | 656.1 | 7.0 |
| 20°-30° | 1043.3 | 11.1 |
| 30°-40° | 1372.5 | 14.6 |
| 40°-50° | 1679.8 | 17.8 |
| 50°-60° | 1819.5 | 19.3 |
| 60°-70° | 1565.3 | 16.6 |
| 70°-80° | 880.0 | 9.3 |
| 80°-90° | 174.5 | 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° | 9415.0 | 100.0 |
| 0°-180° | 9415.0 | 100.0 |

Coefficient of Utilization



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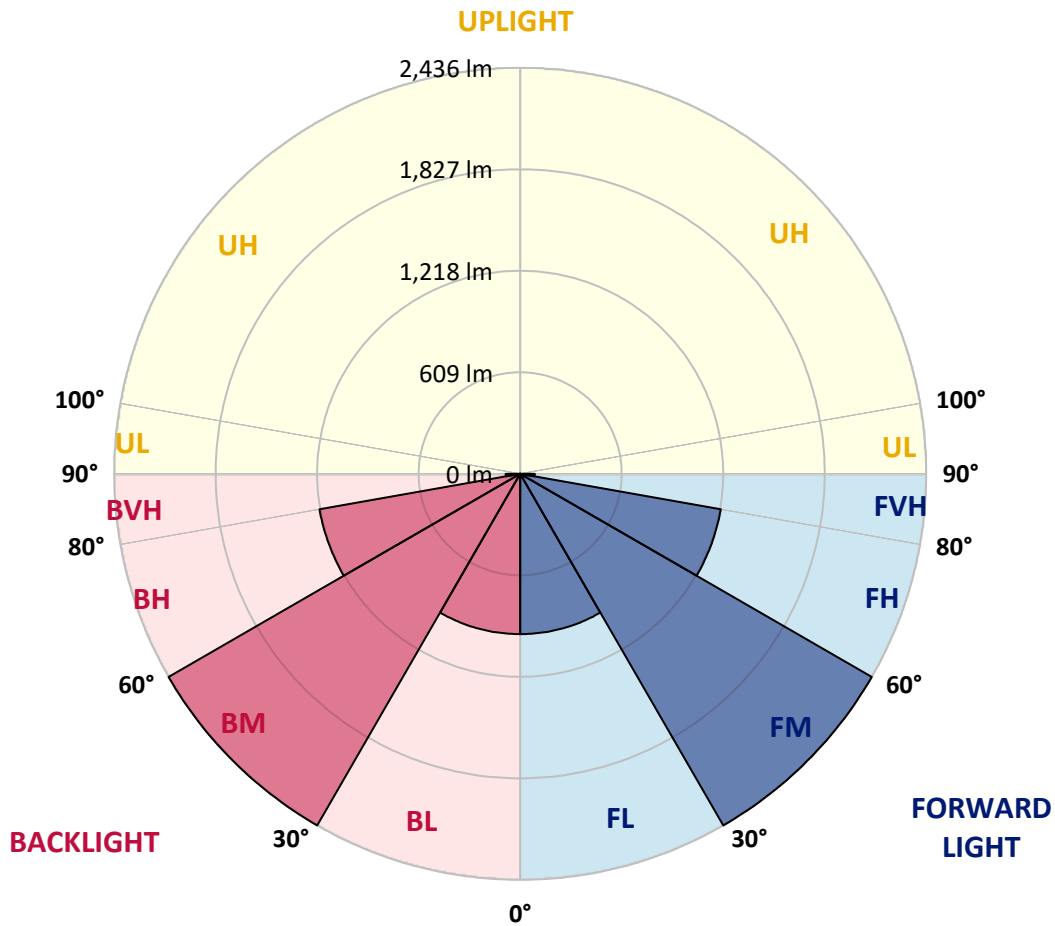
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 961.7 | 10.2 | | | |
| FM (30°-60°) | 2435.9 | 25.9 | | | |
| FH (60°-80°) | 1222.7 | 13.0 | | | G1/1800 |
| FVH (80°-90°) | 87.2 | 0.9 | | | G1/100 |
| BL (0°-30°) | 961.7 | 10.2 | B2/1000 | | |
| BM (30°-60°) | 2435.9 | 25.9 | B2/2500 | | |
| BH (60°-80°) | 1222.7 | 13.0 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 87.2 | 0.9 | | | 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° | 2355.4 | 2355.4 | 2355.4 | 2355.4 | 2355.4 | 2355.4 | 2355.4 | 2355.4 | 2355.4 | 2355.4 | 2355.4 |
| 2.5° | 2349.4 | 2356.9 | 2353.9 | 2353.9 | 2353.9 | 2353.9 | 2350.9 | 2353.9 | 2353.9 | 2355.4 | 2353.9 |
| 5° | 2350.9 | 2349.4 | 2349.4 | 2350.9 | 2350.9 | 2352.4 | 2349.4 | 2350.9 | 2352.4 | 2352.4 | 2353.9 |
| 7.5° | 2346.4 | 2347.9 | 2344.9 | 2347.9 | 2344.9 | 2346.4 | 2346.4 | 2347.9 | 2346.4 | 2347.9 | 2350.9 |
| 10° | 2337.4 | 2338.9 | 2337.4 | 2337.4 | 2337.4 | 2340.4 | 2334.4 | 2338.9 | 2337.4 | 2338.9 | 2337.4 |
| 12.5° | 2320.9 | 2328.4 | 2325.4 | 2328.4 | 2328.4 | 2328.4 | 2323.9 | 2326.9 | 2328.4 | 2328.4 | 2328.4 |
| 15° | 2313.4 | 2314.9 | 2310.4 | 2316.4 | 2317.9 | 2319.4 | 2313.4 | 2316.4 | 2316.4 | 2317.9 | 2319.4 |
| 17.5° | 2296.9 | 2304.4 | 2302.9 | 2307.4 | 2305.9 | 2310.4 | 2308.9 | 2307.4 | 2305.9 | 2308.9 | 2305.9 |
| 20° | 2284.9 | 2292.4 | 2290.9 | 2295.4 | 2296.9 | 2301.4 | 2296.9 | 2296.9 | 2292.4 | 2293.9 | 2298.4 |
| 22.5° | 2272.9 | 2275.9 | 2275.9 | 2280.4 | 2280.4 | 2284.9 | 2280.4 | 2278.9 | 2278.9 | 2277.4 | 2281.9 |
| 25° | 2253.5 | 2255.0 | 2253.5 | 2258.0 | 2261.0 | 2264.0 | 2262.5 | 2259.5 | 2258.0 | 2258.0 | 2256.5 |
| 27.5° | 2222.0 | 2228.0 | 2231.0 | 2237.0 | 2238.5 | 2243.0 | 2237.0 | 2237.0 | 2234.0 | 2231.0 | 2232.5 |
| 30° | 2198.0 | 2201.0 | 2201.0 | 2214.5 | 2214.5 | 2222.0 | 2214.5 | 2213.0 | 2211.5 | 2210.0 | 2207.0 |
| 32.5° | 2175.6 | 2180.1 | 2184.5 | 2195.0 | 2202.5 | 2205.5 | 2201.0 | 2198.0 | 2190.5 | 2186.0 | 2184.5 |
| 35° | 2157.6 | 2159.1 | 2168.1 | 2183.1 | 2192.0 | 2199.5 | 2193.5 | 2186.0 | 2175.6 | 2168.1 | 2174.1 |
| 37.5° | 2144.1 | 2145.6 | 2159.1 | 2178.6 | 2195.0 | 2201.0 | 2192.0 | 2180.1 | 2163.6 | 2154.6 | 2151.6 |
| 40° | 2132.1 | 2141.1 | 2156.1 | 2183.1 | 2201.0 | 2210.0 | 2202.5 | 2186.0 | 2162.1 | 2144.1 | 2142.6 |
| 42.5° | 2126.1 | 2130.6 | 2153.1 | 2184.5 | 2210.0 | 2222.0 | 2211.5 | 2189.0 | 2159.1 | 2138.1 | 2136.6 |
| 45° | 2111.1 | 2124.6 | 2145.6 | 2186.0 | 2214.5 | 2229.5 | 2214.5 | 2186.0 | 2150.1 | 2126.1 | 2121.6 |
| 47.5° | 2099.1 | 2103.6 | 2136.6 | 2183.1 | 2217.5 | 2229.5 | 2214.5 | 2178.6 | 2133.6 | 2102.1 | 2099.1 |
| 50° | 2070.7 | 2081.2 | 2114.1 | 2163.6 | 2204.0 | 2216.0 | 2198.0 | 2150.1 | 2099.1 | 2064.7 | 2058.7 |
| 52.5° | 2027.2 | 2036.2 | 2075.2 | 2136.6 | 2175.6 | 2189.0 | 2162.1 | 2111.1 | 2051.2 | 2009.2 | 2009.2 |
| 55° | 1959.8 | 1973.3 | 2013.7 | 2076.7 | 2126.1 | 2138.1 | 2106.6 | 2052.7 | 1985.3 | 1943.3 | 1941.8 |
| 57.5° | 1878.9 | 1887.9 | 1931.3 | 2000.3 | 2048.2 | 2066.2 | 2034.7 | 1974.8 | 1907.4 | 1857.9 | 1853.4 |
| 60° | 1774.0 | 1786.0 | 1832.4 | 1898.4 | 1947.8 | 1962.8 | 1935.8 | 1875.9 | 1807.0 | 1754.5 | 1754.5 |
| 62.5° | 1648.2 | 1661.6 | 1708.1 | 1775.5 | 1826.5 | 1848.9 | 1811.5 | 1754.5 | 1682.6 | 1631.7 | 1627.2 |
| 65° | 1501.3 | 1513.3 | 1555.3 | 1625.7 | 1678.1 | 1694.6 | 1666.1 | 1606.2 | 1537.3 | 1489.3 | 1484.8 |
| 67.5° | 1336.5 | 1353.0 | 1394.9 | 1454.9 | 1499.8 | 1520.8 | 1502.8 | 1448.9 | 1377.0 | 1327.5 | 1323.0 |
| 70° | 1158.2 | 1170.2 | 1203.2 | 1258.6 | 1309.5 | 1324.5 | 1297.5 | 1261.6 | 1194.2 | 1149.2 | 1143.2 |
| 72.5° | 967.9 | 978.4 | 1005.4 | 1057.8 | 1093.8 | 1113.3 | 1098.3 | 1051.8 | 997.9 | 960.4 | 966.4 |
| 75° | 776.1 | 774.6 | 804.6 | 842.1 | 875.0 | 888.5 | 878.0 | 848.0 | 798.6 | 767.1 | 765.6 |
| 77.5° | 584.3 | 599.3 | 609.8 | 641.3 | 668.3 | 678.7 | 663.8 | 639.8 | 602.3 | 576.9 | 581.3 |
| 80° | 410.5 | 401.5 | 421.0 | 440.5 | 458.5 | 469.0 | 460.0 | 446.5 | 421.0 | 401.5 | 398.6 |
| 82.5° | 251.7 | 244.2 | 253.2 | 271.2 | 283.2 | 286.2 | 287.7 | 271.2 | 260.7 | 245.7 | 248.7 |
| 85° | 110.9 | 112.4 | 119.9 | 131.9 | 133.4 | 134.8 | 134.8 | 131.9 | 119.9 | 118.4 | 115.4 |
| 87.5° | 27.0 | 27.0 | 28.5 | 33.0 | 33.0 | 34.5 | 34.5 | 30.0 | 28.5 | 25.5 | 27.0 |
| 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)