

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P641805

Luminaire Tested: GWS-SA6B-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20919.5 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

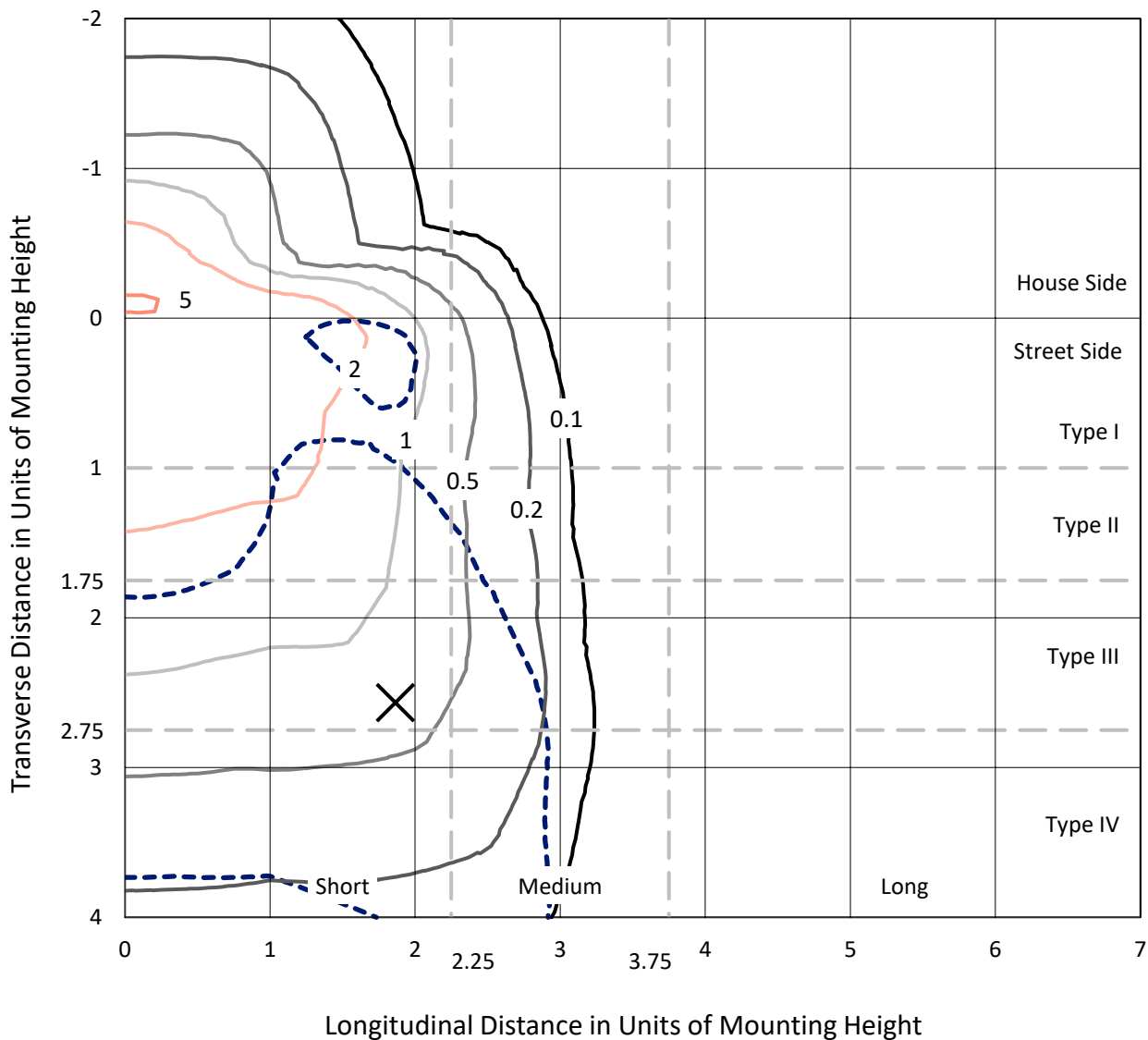
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641805
 CATALOG NUMBER: GWS-SA6B-750-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

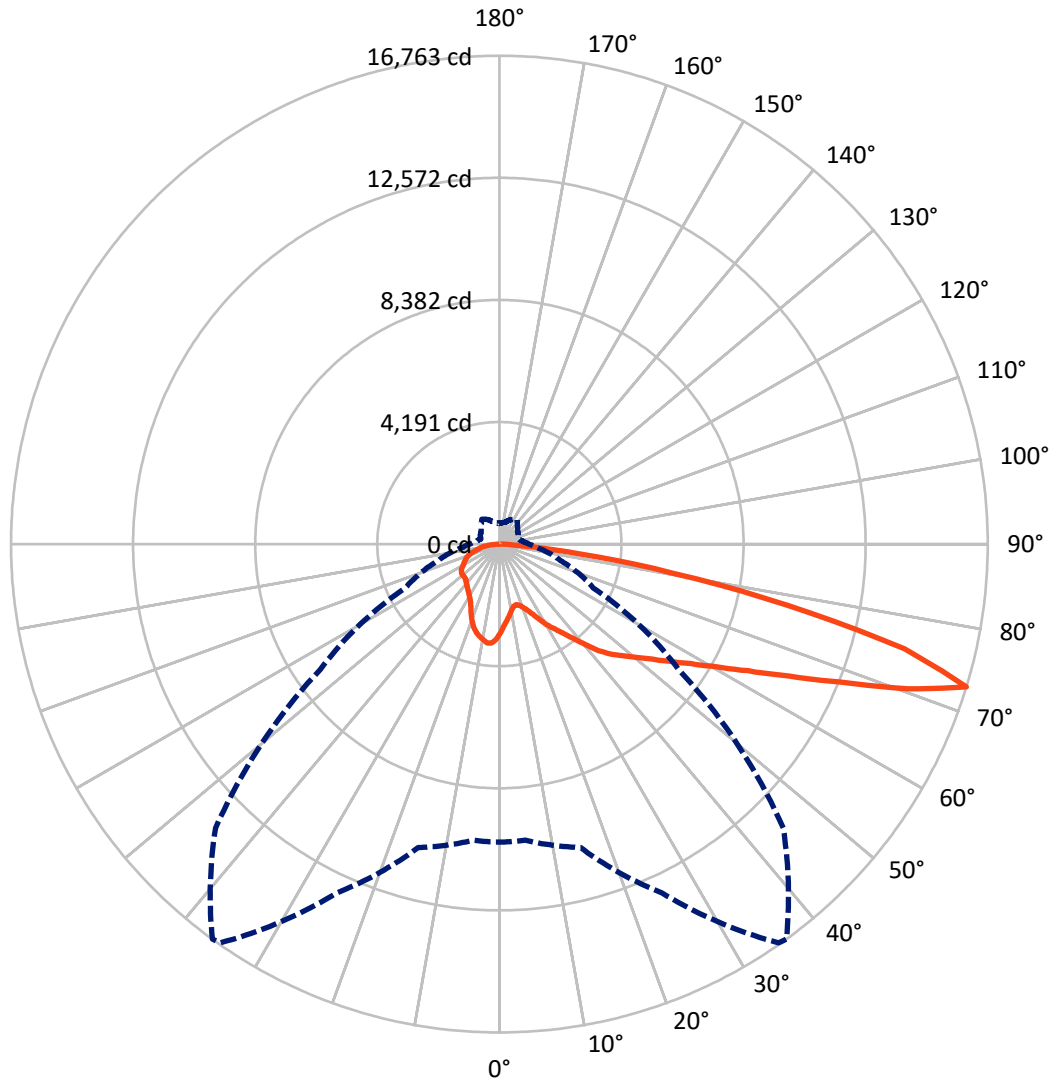
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P641805
CATALOG NUMBER: GWS-SA6B-750-U-T4FT-W

Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P641805

CATALOG NUMBER: GWS-SA6B-750-U-T4FT-W

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4822.8 | 0.0 | 4822.8 |
| | % Fixture | 23.1 | 0.0 | 23.1 |
| Street Side | Lumens | 16096.7 | 0.0 | 16096.7 |
| | % Fixture | 76.9 | 0.0 | 76.9 |
| Total | Lumens | 20919.5 | 0.0 | 20919.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 286.2 | 1.4 |
| 10°-20° | 807.4 | 3.9 |
| 20°-30° | 1337.2 | 6.4 |
| 30°-40° | 2002.6 | 9.6 |
| 40°-50° | 2921.6 | 14.0 |
| 50°-60° | 4158.3 | 19.9 |
| 60°-70° | 5253.7 | 25.1 |
| 70°-80° | 3743.7 | 17.9 |
| 80°-90° | 408.7 | 2.0 |
| 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° | 20919.5 | 100.0 |
| 0°-180° | 20919.5 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P641805

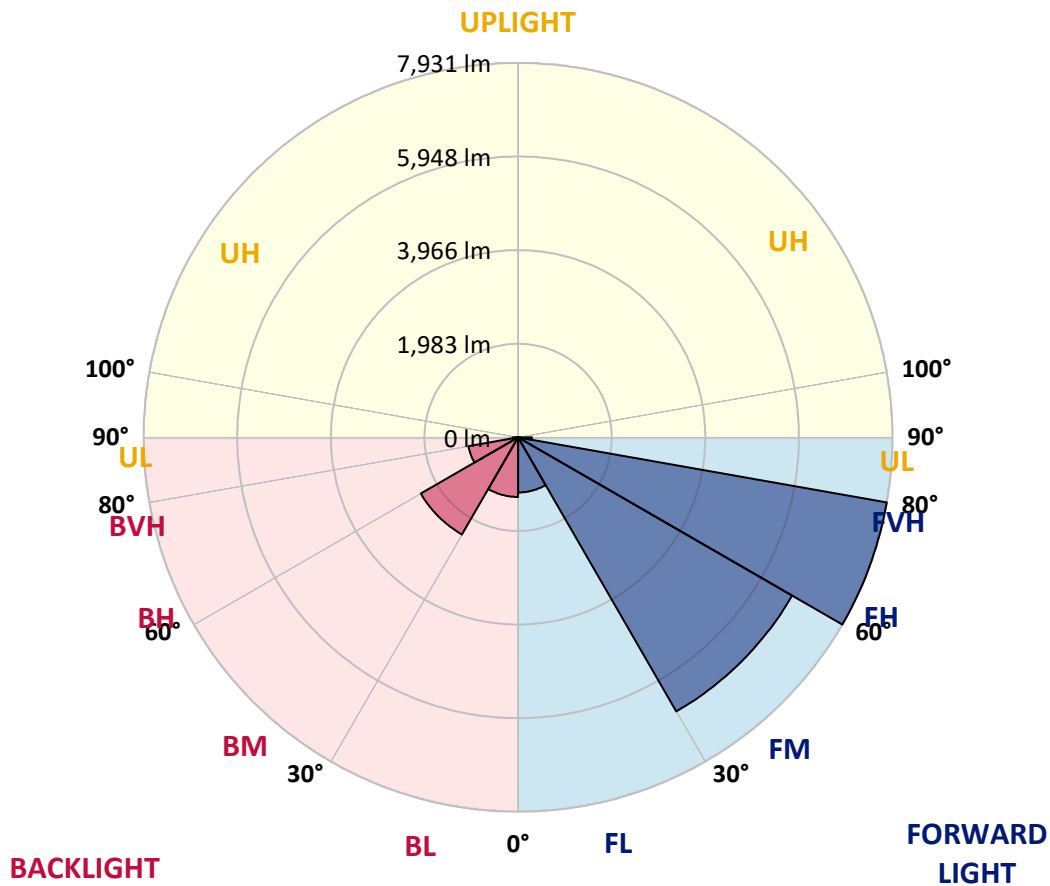
CATALOG NUMBER: GWS-SA6B-750-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1167.9 | 5.6 | | | |
| FM (30°-60°) | 6704.2 | 32.0 | | | |
| FH (60°-80°) | 7931.3 | 37.9 | | | G4/12000 |
| FVH (80°-90°) | 293.3 | 1.4 | | | G3/500 |
| BL (0°-30°) | 1262.9 | 6.0 | B3/2500 | | |
| BM (30°-60°) | 2378.4 | 11.4 | B2/2500 | | |
| BH (60°-80°) | 1066.2 | 5.1 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 115.3 | 0.6 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G4

Type IV Short





REPORT NUMBER: P641805
 CATALOG NUMBER: GWS-SA6B-750-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 36° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0° | 3061.7 | 3061.7 | 3061.7 | 3061.7 | 3061.7 | 3061.7 | 3061.7 | 3061.7 | 3061.7 | 3061.7 | 3061.7 |
| 2.5° | 2793.1 | 2788.4 | 2779.1 | 2807.0 | 2835.0 | 2831.9 | 2870.7 | 2908.0 | 2948.3 | 2990.2 | 3046.1 |
| 5° | 2569.5 | 2566.4 | 2558.6 | 2600.6 | 2642.5 | 2640.9 | 2704.6 | 2765.1 | 2847.4 | 2937.5 | 3049.2 |
| 7.5° | 2345.9 | 2338.2 | 2349.0 | 2401.8 | 2460.8 | 2467.0 | 2554.0 | 2653.3 | 2772.9 | 2908.0 | 3066.3 |
| 10° | 2148.8 | 2147.2 | 2151.9 | 2210.9 | 2299.4 | 2305.6 | 2417.3 | 2555.5 | 2713.9 | 2894.0 | 3105.1 |
| 12.5° | 2097.5 | 2094.4 | 2082.0 | 2111.5 | 2178.3 | 2187.6 | 2310.2 | 2479.4 | 2673.5 | 2901.7 | 3157.9 |
| 15° | 2181.4 | 2173.6 | 2130.1 | 2116.1 | 2148.8 | 2156.5 | 2260.5 | 2434.4 | 2650.2 | 2915.7 | 3224.7 |
| 17.5° | 2325.7 | 2321.1 | 2238.8 | 2181.4 | 2203.1 | 2209.3 | 2286.9 | 2426.7 | 2644.0 | 2943.7 | 3307.0 |
| 20° | 2536.9 | 2516.7 | 2387.8 | 2300.9 | 2300.9 | 2310.2 | 2356.8 | 2460.8 | 2651.8 | 2977.8 | 3400.1 |
| 22.5° | 2816.4 | 2776.0 | 2594.3 | 2476.3 | 2445.3 | 2457.7 | 2477.9 | 2546.2 | 2684.4 | 3035.3 | 3516.6 |
| 25° | 3130.0 | 3092.7 | 2876.9 | 2710.8 | 2667.3 | 2672.0 | 2654.9 | 2667.3 | 2755.8 | 3114.4 | 3661.0 |
| 27.5° | 3463.8 | 3438.9 | 3209.2 | 2998.0 | 2929.7 | 2929.7 | 2869.1 | 2839.6 | 2855.2 | 3204.5 | 3822.4 |
| 30° | 3761.9 | 3727.7 | 3533.6 | 3302.3 | 3212.3 | 3212.3 | 3097.4 | 3033.7 | 2996.5 | 3314.7 | 4038.2 |
| 32.5° | 3918.7 | 3898.5 | 3769.6 | 3592.6 | 3482.4 | 3465.3 | 3366.0 | 3291.4 | 3204.5 | 3477.8 | 4330.1 |
| 35° | 4123.6 | 4119.0 | 4041.3 | 3903.2 | 3763.4 | 3738.6 | 3670.3 | 3611.3 | 3460.7 | 3681.1 | 4718.3 |
| 37.5° | 4381.3 | 4373.6 | 4361.2 | 4278.9 | 4111.2 | 4106.5 | 4046.0 | 3974.6 | 3778.9 | 3974.6 | 5188.7 |
| 40° | 4670.1 | 4656.1 | 4640.6 | 4639.1 | 4538.2 | 4521.1 | 4516.4 | 4435.7 | 4162.4 | 4328.6 | 5679.3 |
| 42.5° | 5067.6 | 5019.4 | 4873.5 | 4938.7 | 5013.2 | 4997.7 | 5056.7 | 4935.6 | 4640.6 | 4749.3 | 6143.5 |
| 45° | 5556.6 | 5438.6 | 5149.9 | 5168.5 | 5356.4 | 5387.4 | 5592.3 | 5562.8 | 5166.9 | 5235.3 | 6632.6 |
| 47.5° | 5850.1 | 5747.6 | 5479.0 | 5463.5 | 5697.9 | 5736.7 | 6182.3 | 6238.2 | 5733.6 | 5820.6 | 7236.5 |
| 50° | 6090.7 | 6019.3 | 5798.8 | 5820.6 | 6069.0 | 6107.8 | 6767.6 | 6887.2 | 6267.7 | 6419.9 | 7938.3 |
| 52.5° | 6381.1 | 6278.6 | 6107.8 | 6210.3 | 6514.6 | 6561.1 | 7418.2 | 7547.0 | 6749.0 | 7078.2 | 8664.9 |
| 55° | 6544.1 | 6502.2 | 6505.3 | 6662.1 | 7044.0 | 7107.7 | 8099.7 | 8078.0 | 7189.9 | 7641.7 | 9211.4 |
| 57.5° | 6919.8 | 6904.3 | 7047.1 | 7106.1 | 7661.9 | 7744.2 | 8781.3 | 8595.0 | 7590.5 | 8078.0 | 9473.8 |
| 60° | 7582.7 | 7543.9 | 7668.1 | 7758.2 | 8425.8 | 8542.2 | 9542.1 | 9101.1 | 7862.2 | 8402.5 | 9385.3 |
| 62.5° | 8514.3 | 8466.1 | 8470.8 | 8613.6 | 9448.9 | 9571.6 | 10388.2 | 9523.4 | 7946.0 | 8452.2 | 8824.8 |
| 65° | 9672.5 | 9602.6 | 9523.4 | 9717.5 | 10807.4 | 10909.9 | 11308.9 | 9830.9 | 7745.8 | 7974.0 | 7654.2 |
| 67.5° | 10894.4 | 10836.9 | 10743.8 | 11150.5 | 12566.5 | 12628.6 | 12341.4 | 9804.5 | 7110.8 | 6694.7 | 5368.8 |
| 70° | 10965.8 | 10979.8 | 11420.7 | 12892.5 | 14862.7 | 14878.3 | 13317.9 | 9273.5 | 5758.5 | 4339.4 | 2675.1 |
| 72.5° | 10229.9 | 10206.6 | 10781.0 | 13210.8 | 16710.3 | 16763.1 | 13779.0 | 7512.9 | 3558.5 | 2164.3 | 1254.5 |
| 75° | 8309.3 | 8349.7 | 8953.7 | 11558.9 | 14322.4 | 14369.0 | 11232.8 | 4429.5 | 1690.7 | 1058.9 | 802.7 |
| 77.5° | 3577.1 | 3802.2 | 4993.1 | 8143.2 | 10257.8 | 10113.4 | 5789.5 | 1794.8 | 902.0 | 754.5 | 614.8 |
| 80° | 1032.5 | 1121.0 | 1779.2 | 3872.1 | 6146.6 | 6037.9 | 2291.6 | 672.3 | 628.8 | 566.7 | 440.9 |
| 82.5° | 333.8 | 369.5 | 652.1 | 1541.7 | 2754.3 | 2751.1 | 869.4 | 397.5 | 411.4 | 385.0 | 284.1 |
| 85° | 93.2 | 107.1 | 200.3 | 467.3 | 852.4 | 835.3 | 251.5 | 187.9 | 218.9 | 222.0 | 141.3 |
| 87.5° | 0.0 | 0.0 | 1.6 | 3.1 | 3.1 | 3.1 | 6.2 | 27.9 | 63.7 | 80.7 | 57.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P641805
 CATALOG NUMBER: GWS-SA6B-750-U-T4FT-W

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3061.7 | 3061.7 | 3061.7 | 3061.7 | 3061.7 | 3061.7 | 3061.7 | 3061.7 | 3061.7 | 3061.7 | 3061.7 |
| 2.5° | 3080.3 | 3075.6 | 3139.3 | 3189.0 | 3235.6 | 3266.6 | 3275.9 | 3282.1 | 3294.5 | 3300.8 | 3294.5 |
| 5° | 3102.0 | 3125.3 | 3230.9 | 3308.5 | 3370.6 | 3407.9 | 3409.4 | 3406.3 | 3415.6 | 3407.9 | 3403.2 |
| 7.5° | 3148.6 | 3193.6 | 3327.2 | 3409.4 | 3449.8 | 3451.4 | 3414.1 | 3370.6 | 3348.9 | 3330.3 | 3324.0 |
| 10° | 3210.7 | 3277.5 | 3423.4 | 3477.8 | 3465.3 | 3407.9 | 3325.6 | 3257.3 | 3218.5 | 3190.5 | 3184.3 |
| 12.5° | 3296.1 | 3370.6 | 3508.8 | 3507.2 | 3429.6 | 3327.2 | 3230.9 | 3148.6 | 3092.7 | 3060.1 | 3049.2 |
| 15° | 3376.8 | 3471.5 | 3570.9 | 3497.9 | 3375.3 | 3251.1 | 3126.9 | 3016.6 | 2942.1 | 2890.9 | 2881.6 |
| 17.5° | 3476.2 | 3577.1 | 3615.9 | 3468.4 | 3307.0 | 3147.1 | 2980.9 | 2836.5 | 2735.6 | 2675.1 | 2670.4 |
| 20° | 3591.1 | 3681.1 | 3637.7 | 3417.2 | 3218.5 | 3008.9 | 2783.8 | 2622.3 | 2513.6 | 2454.6 | 2459.3 |
| 22.5° | 3724.6 | 3789.8 | 3643.9 | 3347.3 | 3095.8 | 2813.3 | 2561.7 | 2406.5 | 2333.5 | 2302.5 | 2304.0 |
| 25° | 3867.4 | 3909.4 | 3633.0 | 3252.6 | 2908.0 | 2574.2 | 2333.5 | 2262.1 | 2255.9 | 2248.1 | 2251.2 |
| 27.5° | 4036.7 | 4027.4 | 3600.4 | 3119.1 | 2654.9 | 2296.2 | 2173.6 | 2192.2 | 2217.1 | 2214.0 | 2217.1 |
| 30° | 4263.3 | 4174.9 | 3558.5 | 2934.4 | 2353.7 | 2063.4 | 2078.9 | 2131.7 | 2164.3 | 2167.4 | 2176.7 |
| 32.5° | 4522.6 | 4337.9 | 3491.7 | 2682.8 | 2066.5 | 1932.9 | 1990.4 | 2054.0 | 2092.9 | 2100.6 | 2113.0 |
| 35° | 4831.6 | 4524.2 | 3373.7 | 2369.2 | 1860.0 | 1855.3 | 1908.1 | 1951.6 | 1993.5 | 1996.6 | 1996.6 |
| 37.5° | 5187.1 | 4710.5 | 3185.9 | 2023.0 | 1732.7 | 1788.6 | 1838.2 | 1847.6 | 1858.4 | 1849.1 | 1853.8 |
| 40° | 5513.2 | 4890.6 | 2918.8 | 1707.8 | 1628.6 | 1729.6 | 1771.5 | 1740.4 | 1706.3 | 1683.0 | 1687.6 |
| 42.5° | 5786.4 | 5013.2 | 2564.8 | 1487.4 | 1523.1 | 1676.8 | 1709.4 | 1645.7 | 1579.0 | 1535.5 | 1541.7 |
| 45° | 6093.8 | 5126.6 | 2148.8 | 1338.3 | 1433.0 | 1639.5 | 1661.2 | 1579.0 | 1493.6 | 1428.4 | 1419.0 |
| 47.5° | 6517.7 | 5357.9 | 1779.2 | 1234.3 | 1369.4 | 1619.3 | 1655.0 | 1543.3 | 1431.5 | 1333.7 | 1322.8 |
| 50° | 7040.9 | 5685.5 | 1470.3 | 1166.0 | 1339.9 | 1608.5 | 1653.5 | 1504.4 | 1370.9 | 1256.0 | 1248.3 |
| 52.5° | 7612.2 | 6005.3 | 1242.1 | 1113.2 | 1310.4 | 1575.9 | 1645.7 | 1461.0 | 1307.3 | 1183.1 | 1173.7 |
| 55° | 7992.6 | 6131.1 | 1088.3 | 1063.5 | 1262.2 | 1524.6 | 1614.7 | 1419.0 | 1211.0 | 1097.7 | 1083.7 |
| 57.5° | 8104.4 | 5969.6 | 981.2 | 1018.5 | 1200.1 | 1453.2 | 1555.7 | 1330.6 | 1152.0 | 1062.0 | 1051.1 |
| 60° | 7911.9 | 5562.8 | 914.5 | 981.2 | 1131.8 | 1361.6 | 1453.2 | 1279.3 | 1105.4 | 1024.7 | 1016.9 |
| 62.5° | 7368.5 | 4935.6 | 863.2 | 942.4 | 1062.0 | 1265.3 | 1388.0 | 1217.2 | 1054.2 | 990.5 | 979.7 |
| 65° | 6275.5 | 4047.5 | 821.3 | 902.0 | 995.2 | 1173.7 | 1316.6 | 1155.1 | 998.3 | 950.2 | 937.8 |
| 67.5° | 4389.1 | 2842.8 | 776.3 | 853.9 | 928.4 | 1085.2 | 1242.1 | 1097.7 | 940.9 | 905.1 | 892.7 |
| 70° | 2145.6 | 1507.5 | 721.9 | 798.0 | 857.0 | 995.2 | 1167.5 | 1027.8 | 864.8 | 844.6 | 827.5 |
| 72.5° | 1021.6 | 843.0 | 658.3 | 721.9 | 759.2 | 875.6 | 1043.3 | 926.9 | 774.7 | 731.3 | 701.8 |
| 75° | 684.7 | 599.3 | 574.4 | 631.9 | 641.2 | 734.4 | 894.3 | 799.6 | 683.1 | 633.4 | 608.6 |
| 77.5° | 518.6 | 458.0 | 482.8 | 534.1 | 515.5 | 603.9 | 735.9 | 712.6 | 616.4 | 571.3 | 558.9 |
| 80° | 364.9 | 333.8 | 383.5 | 414.5 | 400.6 | 513.9 | 662.9 | 610.2 | 507.7 | 458.0 | 448.7 |
| 82.5° | 229.8 | 223.6 | 282.6 | 287.2 | 291.9 | 406.8 | 545.0 | 479.7 | 394.4 | 324.5 | 301.2 |
| 85° | 114.9 | 127.3 | 169.2 | 169.2 | 167.7 | 209.6 | 310.5 | 270.1 | 212.7 | 169.2 | 164.6 |
| 87.5° | 38.8 | 54.3 | 73.0 | 59.0 | 45.0 | 35.7 | 40.4 | 49.7 | 52.8 | 51.2 | 51.2 |
| 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)