

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: P641498

Luminaire Tested: GWS-SA6B-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9121.8 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

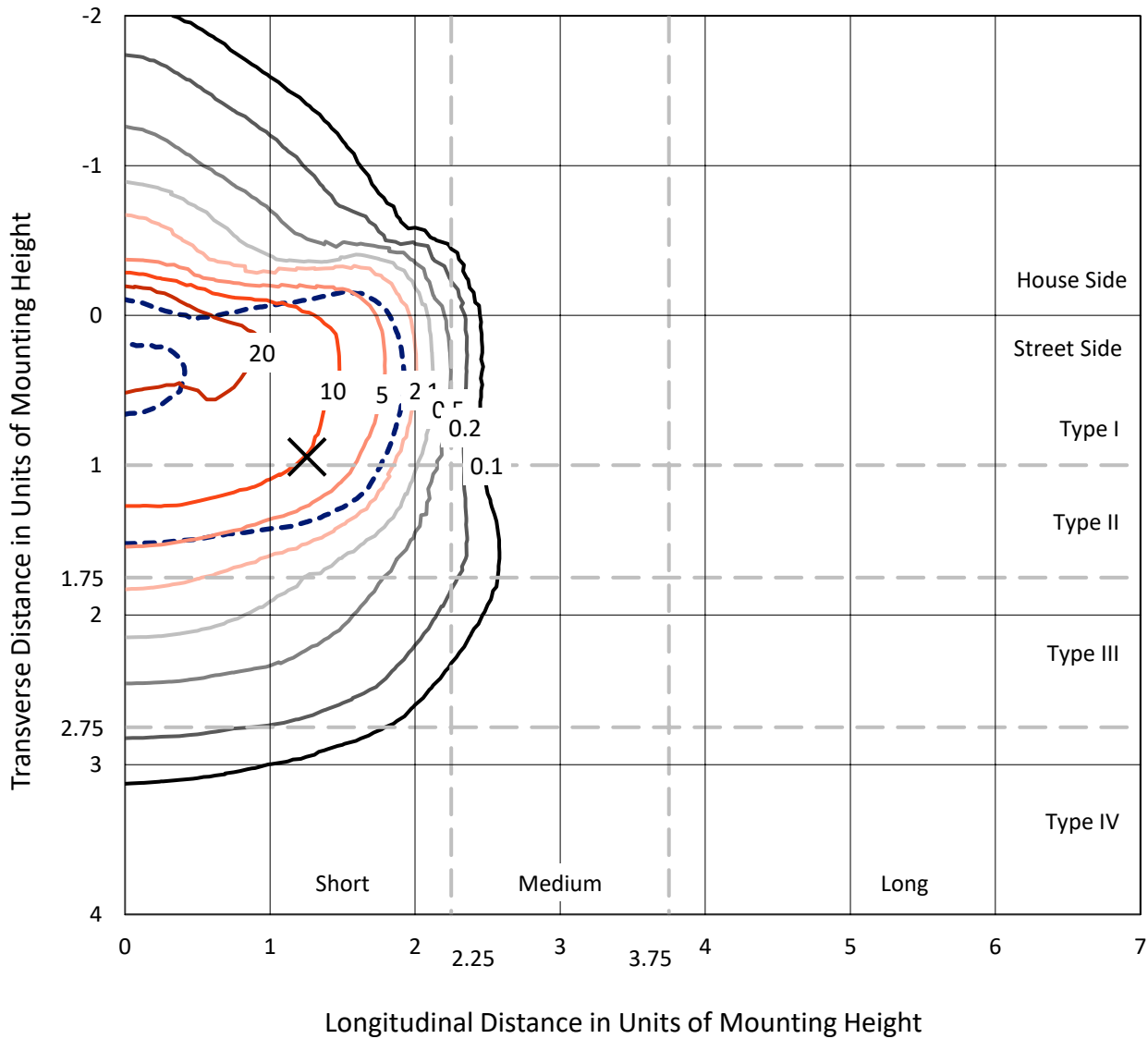
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641498
 CATALOG NUMBER: GWS-SA6B-722-U-SL3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

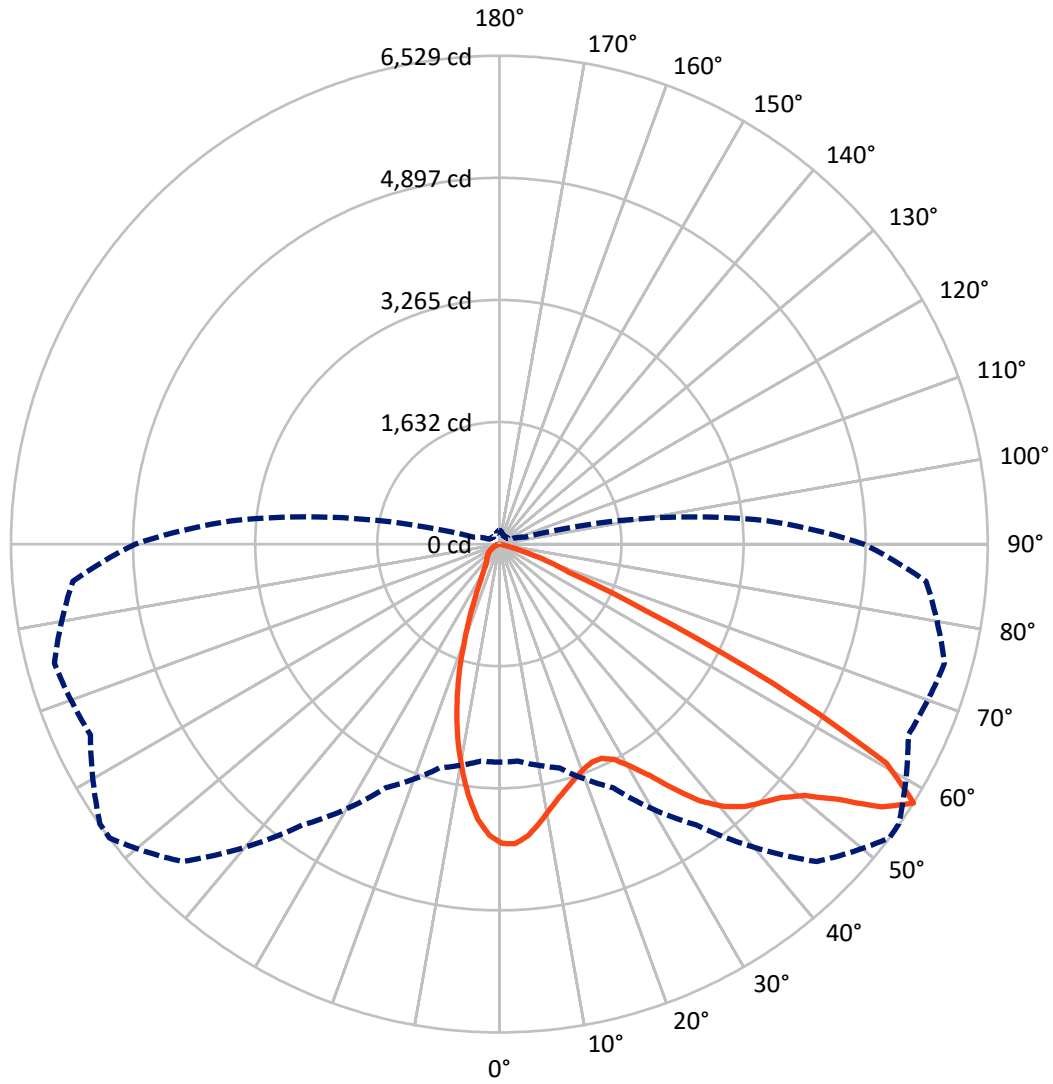
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 40 fc
 Type II - Short - N/A

REPORT NUMBER: P641498
CATALOG NUMBER: GWS-SA6B-722-U-SL3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P641498
 CATALOG NUMBER: GWS-SA6B-722-U-SL3-W-GRSBK

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1506.8 | 0.0 | 1506.8 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 7615.0 | 0.0 | 7615.0 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 9121.8 | 0.0 | 9121.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 342.3 | 3.8 |
| 10°-20° | 751.6 | 8.2 |
| 20°-30° | 979.1 | 10.7 |
| 30°-40° | 1420.2 | 15.6 |
| 40°-50° | 2049.3 | 22.5 |
| 50°-60° | 2478.4 | 27.2 |
| 60°-70° | 1010.1 | 11.1 |
| 70°-80° | 90.8 | 1.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 9121.8 | 100.0 |
| 0°-180° | 9121.8 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P641498

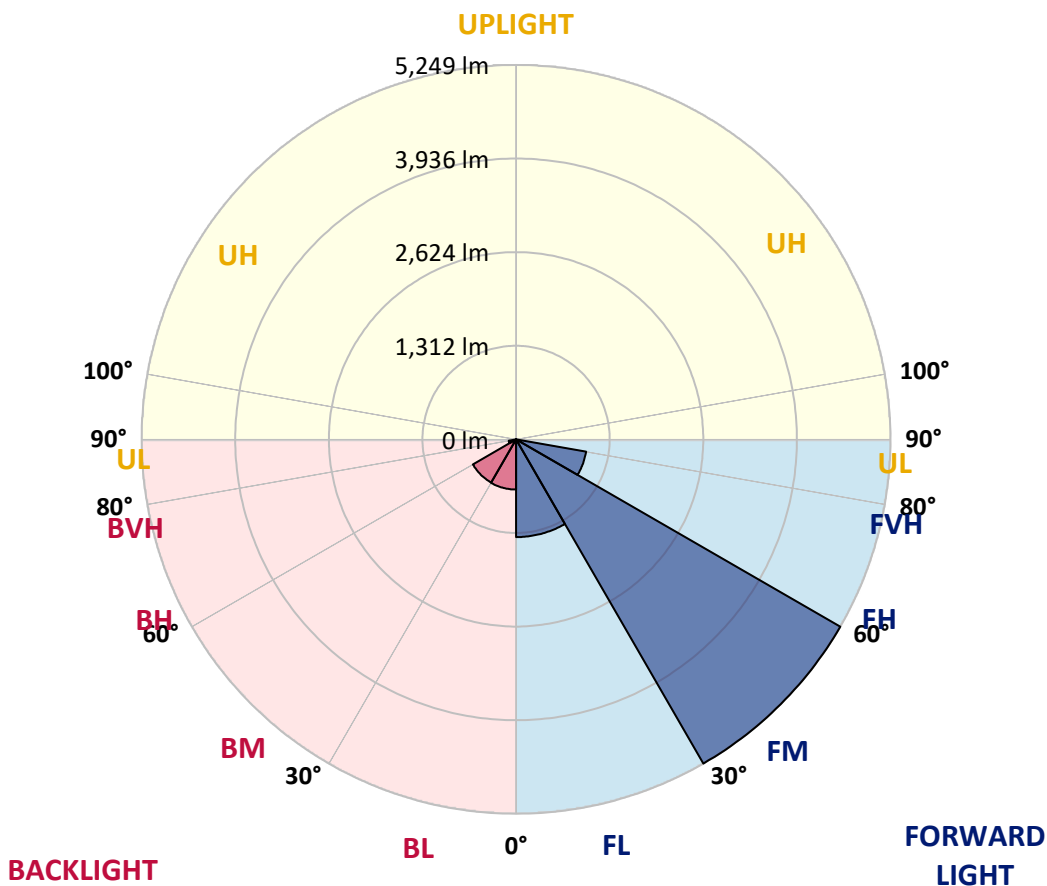
CATALOG NUMBER: GWS-SA6B-722-U-SL3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1369.8 | 15.0 | | | |
| FM (30°-60°) | 5248.5 | 57.5 | | | |
| FH (60°-80°) | 996.7 | 10.9 | | | G1/1800 |
| FVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| BL (0°-30°) | 703.2 | 7.7 | B2/1000 | | |
| BM (30°-60°) | 699.4 | 7.7 | B1/1000 | | |
| BH (60°-80°) | 104.2 | 1.1 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type II Short





REPORT NUMBER: P641498

CATALOG NUMBER: GWS-SA6B-722-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 53° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4001.3 | 4001.3 | 4001.3 | 4001.3 | 4001.3 | 4001.3 | 4001.3 | 4001.3 | 4001.3 | 4001.3 | 4001.3 |
| 2.5° | 3945.4 | 3954.4 | 3970.0 | 3990.2 | 4003.6 | 4010.3 | 4010.3 | 4029.3 | 4017.0 | 4006.9 | 3995.8 |
| 5° | 3776.6 | 3785.6 | 3806.8 | 3839.2 | 3871.7 | 3895.1 | 3922.0 | 3942.1 | 3949.9 | 3949.9 | 3930.9 |
| 7.5° | 3538.5 | 3550.8 | 3564.2 | 3608.9 | 3679.4 | 3731.9 | 3777.7 | 3806.8 | 3849.3 | 3862.7 | 3835.9 |
| 10° | 3282.5 | 3294.8 | 3324.9 | 3386.4 | 3466.9 | 3545.2 | 3623.5 | 3660.3 | 3733.0 | 3771.0 | 3740.8 |
| 12.5° | 3065.6 | 3071.2 | 3111.4 | 3185.2 | 3288.1 | 3395.4 | 3490.4 | 3528.4 | 3631.3 | 3688.3 | 3652.5 |
| 15° | 2886.7 | 2890.0 | 2930.3 | 3011.9 | 3130.4 | 3262.3 | 3382.0 | 3421.1 | 3547.4 | 3633.5 | 3579.9 |
| 17.5° | 2751.4 | 2752.5 | 2787.2 | 2875.5 | 2999.6 | 3146.1 | 3288.1 | 3336.1 | 3499.4 | 3603.3 | 3522.8 |
| 20° | 2683.2 | 2679.9 | 2704.5 | 2781.6 | 2899.0 | 3045.4 | 3213.1 | 3272.4 | 3472.5 | 3598.9 | 3479.2 |
| 22.5° | 2684.3 | 2676.5 | 2686.6 | 2741.3 | 2840.9 | 2978.4 | 3166.2 | 3233.3 | 3474.8 | 3617.9 | 3442.3 |
| 25° | 2748.1 | 2736.9 | 2739.1 | 2768.2 | 2838.6 | 2963.8 | 3172.9 | 3244.5 | 3519.5 | 3681.6 | 3428.9 |
| 27.5° | 2855.4 | 2843.1 | 2843.1 | 2857.6 | 2895.6 | 3009.7 | 3256.7 | 3338.4 | 3639.1 | 3805.7 | 3456.9 |
| 30° | 2994.0 | 2981.7 | 2977.2 | 2991.8 | 3023.1 | 3128.2 | 3443.5 | 3528.4 | 3843.7 | 4009.2 | 3546.3 |
| 32.5° | 3152.8 | 3138.2 | 3146.1 | 3166.2 | 3196.4 | 3341.7 | 3683.8 | 3796.7 | 4099.7 | 4283.1 | 3707.3 |
| 35° | 3320.5 | 3308.2 | 3344.0 | 3387.6 | 3434.5 | 3638.0 | 4015.9 | 4114.3 | 4413.9 | 4624.1 | 3953.3 |
| 37.5° | 3480.4 | 3474.8 | 3549.7 | 3641.3 | 3738.6 | 3993.5 | 4353.5 | 4429.5 | 4683.3 | 4995.2 | 4254.0 |
| 40° | 3640.2 | 3639.1 | 3767.7 | 3928.7 | 4084.1 | 4347.9 | 4609.5 | 4672.1 | 4847.7 | 5283.7 | 4542.5 |
| 42.5° | 3819.1 | 3819.1 | 3996.9 | 4211.5 | 4418.4 | 4647.5 | 4797.4 | 4825.3 | 4921.5 | 5450.3 | 4759.3 |
| 45° | 3990.2 | 4000.2 | 4205.9 | 4455.3 | 4700.1 | 4881.2 | 4927.1 | 4929.3 | 4951.6 | 5548.7 | 4939.3 |
| 47.5° | 4125.4 | 4134.4 | 4380.3 | 4667.7 | 4931.5 | 5059.0 | 5065.7 | 5055.6 | 5031.0 | 5642.6 | 5078.0 |
| 50° | 4235.0 | 4248.4 | 4505.6 | 4809.7 | 5090.3 | 5230.0 | 5281.5 | 5271.4 | 5208.8 | 5743.2 | 5175.2 |
| 52.5° | 4288.7 | 4307.7 | 4549.2 | 4880.1 | 5266.9 | 5522.9 | 5666.1 | 5689.5 | 5474.9 | 5799.1 | 5268.0 |
| 55° | 3859.4 | 3887.3 | 4109.8 | 4562.6 | 5365.3 | 5975.7 | 6200.5 | 6196.0 | 5763.3 | 5965.7 | 5493.9 |
| 57.5° | 2914.6 | 2912.4 | 3096.9 | 3592.2 | 4582.7 | 6001.5 | 6529.2 | 6520.2 | 6032.8 | 6159.1 | 5725.3 |
| 60° | 1984.5 | 1971.0 | 2020.2 | 2259.5 | 3204.2 | 4889.0 | 5942.2 | 6062.9 | 5841.6 | 5689.5 | 4861.1 |
| 62.5° | 1633.4 | 1621.1 | 1605.5 | 1539.5 | 1840.2 | 3045.4 | 4105.3 | 4288.7 | 4259.6 | 3954.4 | 3048.8 |
| 65° | 1337.1 | 1347.2 | 1390.8 | 1362.8 | 1280.1 | 1561.9 | 2130.9 | 2239.4 | 2047.1 | 1722.8 | 1065.5 |
| 67.5° | 986.1 | 990.6 | 1047.6 | 1195.1 | 1150.4 | 1039.7 | 1002.9 | 1020.7 | 598.1 | 275.0 | 177.8 |
| 70° | 582.5 | 585.8 | 638.4 | 836.3 | 933.5 | 798.3 | 677.5 | 667.4 | 237.0 | 73.8 | 80.5 |
| 72.5° | 329.8 | 323.1 | 333.2 | 398.0 | 508.7 | 423.7 | 348.8 | 317.5 | 71.6 | 41.4 | 41.4 |
| 75° | 156.5 | 152.0 | 130.8 | 123.0 | 111.8 | 71.6 | 44.7 | 38.0 | 17.9 | 16.8 | 16.8 |
| 77.5° | 1.1 | 3.4 | 2.2 | 3.4 | 3.4 | 2.2 | 1.1 | 1.1 | 3.4 | 3.4 | 4.5 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P641498

CATALOG NUMBER: GWS-SA6B-722-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4001.3 | 4001.3 | 4001.3 | 4001.3 | 4001.3 | 4001.3 | 4001.3 | 4001.3 | 4001.3 | 4001.3 | 4001.3 |
| 2.5° | 3975.6 | 3942.1 | 3934.3 | 3932.0 | 3900.7 | 3867.2 | 3832.5 | 3819.1 | 3799.0 | 3786.7 | 3796.7 |
| 5° | 3900.7 | 3852.6 | 3810.2 | 3771.0 | 3701.7 | 3625.7 | 3559.7 | 3517.2 | 3477.0 | 3450.2 | 3456.9 |
| 7.5° | 3794.5 | 3731.9 | 3634.6 | 3535.1 | 3407.7 | 3293.6 | 3166.2 | 3087.9 | 3015.3 | 2975.0 | 2994.0 |
| 10° | 3681.6 | 3598.9 | 3443.5 | 3274.6 | 3074.5 | 2895.6 | 2713.4 | 2564.7 | 2478.6 | 2397.0 | 2405.9 |
| 12.5° | 3570.9 | 3461.3 | 3228.8 | 2972.8 | 2720.1 | 2456.3 | 2181.2 | 1975.5 | 1834.6 | 1732.9 | 1717.3 |
| 15° | 3468.1 | 3327.2 | 3019.7 | 2682.1 | 2337.7 | 1986.7 | 1635.6 | 1341.6 | 1178.4 | 1077.8 | 1071.0 |
| 17.5° | 3376.4 | 3202.0 | 2802.8 | 2378.0 | 1946.4 | 1497.0 | 1093.4 | 873.2 | 779.2 | 735.6 | 731.2 |
| 20° | 3288.1 | 3075.6 | 2581.5 | 2069.4 | 1519.4 | 1050.9 | 754.7 | 652.9 | 622.7 | 604.8 | 607.1 |
| 22.5° | 3203.1 | 2938.1 | 2348.9 | 1727.3 | 1139.2 | 737.9 | 584.7 | 545.6 | 542.2 | 544.5 | 545.6 |
| 25° | 3131.5 | 2811.8 | 2109.7 | 1397.5 | 812.8 | 562.4 | 488.6 | 477.4 | 487.5 | 502.0 | 504.2 |
| 27.5° | 3094.6 | 2708.9 | 1876.0 | 1065.5 | 588.1 | 457.3 | 423.7 | 428.2 | 446.1 | 461.7 | 464.0 |
| 30° | 3104.7 | 2631.8 | 1634.5 | 772.5 | 452.8 | 385.7 | 374.5 | 383.5 | 401.4 | 415.9 | 418.1 |
| 32.5° | 3176.3 | 2592.7 | 1387.4 | 562.4 | 372.3 | 336.5 | 332.0 | 338.8 | 354.4 | 365.6 | 366.7 |
| 35° | 3318.2 | 2601.6 | 1152.7 | 430.4 | 319.7 | 299.6 | 298.5 | 303.0 | 310.8 | 318.6 | 319.7 |
| 37.5° | 3527.3 | 2674.3 | 921.2 | 357.8 | 289.6 | 275.0 | 270.6 | 270.6 | 276.1 | 279.5 | 281.7 |
| 40° | 3752.0 | 2783.8 | 737.9 | 316.4 | 268.3 | 252.7 | 243.7 | 240.4 | 244.8 | 249.3 | 250.4 |
| 42.5° | 3937.6 | 2893.4 | 599.3 | 287.3 | 251.6 | 230.3 | 219.1 | 216.9 | 222.5 | 230.3 | 232.5 |
| 45° | 4079.6 | 2978.4 | 499.7 | 263.8 | 232.5 | 209.1 | 196.8 | 196.8 | 206.8 | 220.2 | 222.5 |
| 47.5° | 4209.3 | 3046.6 | 426.0 | 242.6 | 214.7 | 190.1 | 177.8 | 180.0 | 196.8 | 214.7 | 218.0 |
| 50° | 4297.6 | 3101.3 | 371.2 | 223.6 | 200.1 | 174.4 | 163.2 | 167.7 | 187.8 | 209.1 | 212.4 |
| 52.5° | 4392.6 | 3168.4 | 335.4 | 206.8 | 186.7 | 162.1 | 152.0 | 155.4 | 177.8 | 201.2 | 205.7 |
| 55° | 4655.4 | 3393.1 | 334.3 | 184.5 | 163.2 | 145.3 | 140.9 | 142.0 | 164.3 | 191.2 | 196.8 |
| 57.5° | 4870.0 | 3591.0 | 356.6 | 155.4 | 136.4 | 127.5 | 125.2 | 126.3 | 146.5 | 176.6 | 183.4 |
| 60° | 4029.3 | 2790.5 | 295.2 | 128.6 | 114.0 | 111.8 | 108.4 | 110.7 | 129.7 | 156.5 | 162.1 |
| 62.5° | 2384.7 | 1595.4 | 140.9 | 98.4 | 97.3 | 95.0 | 91.7 | 96.1 | 114.0 | 137.5 | 140.9 |
| 65° | 815.0 | 472.9 | 89.4 | 80.5 | 82.7 | 79.4 | 76.0 | 80.5 | 96.1 | 109.6 | 110.7 |
| 67.5° | 156.5 | 125.2 | 71.6 | 67.1 | 68.2 | 61.5 | 60.4 | 64.8 | 73.8 | 76.0 | 74.9 |
| 70° | 81.6 | 72.7 | 54.8 | 54.8 | 52.5 | 43.6 | 43.6 | 48.1 | 48.1 | 44.7 | 43.6 |
| 72.5° | 42.5 | 40.2 | 35.8 | 40.2 | 33.5 | 26.8 | 26.8 | 29.1 | 26.8 | 22.4 | 22.4 |
| 75° | 16.8 | 16.8 | 15.7 | 20.1 | 14.5 | 12.3 | 11.2 | 13.4 | 10.1 | 7.8 | 7.8 |
| 77.5° | 4.5 | 4.5 | 4.5 | 5.6 | 3.4 | 3.4 | 2.2 | 2.2 | 1.1 | 0.0 | 0.0 |
| 80° | 0.0 | 1.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)