

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: P531010

Luminaire Tested: **GLAN-SA6B-735-U-AFL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-28)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-735-U-AFL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28363 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

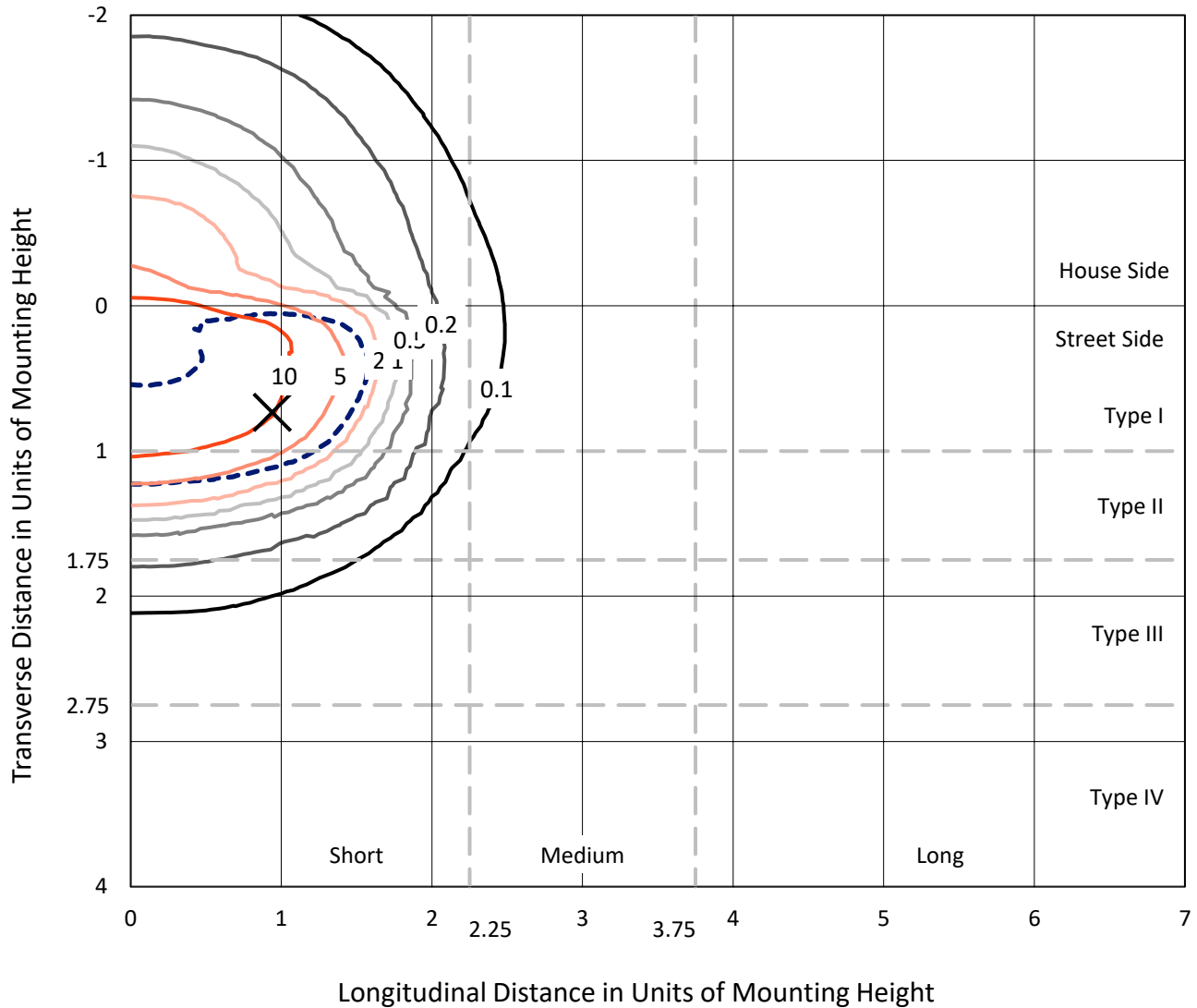
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

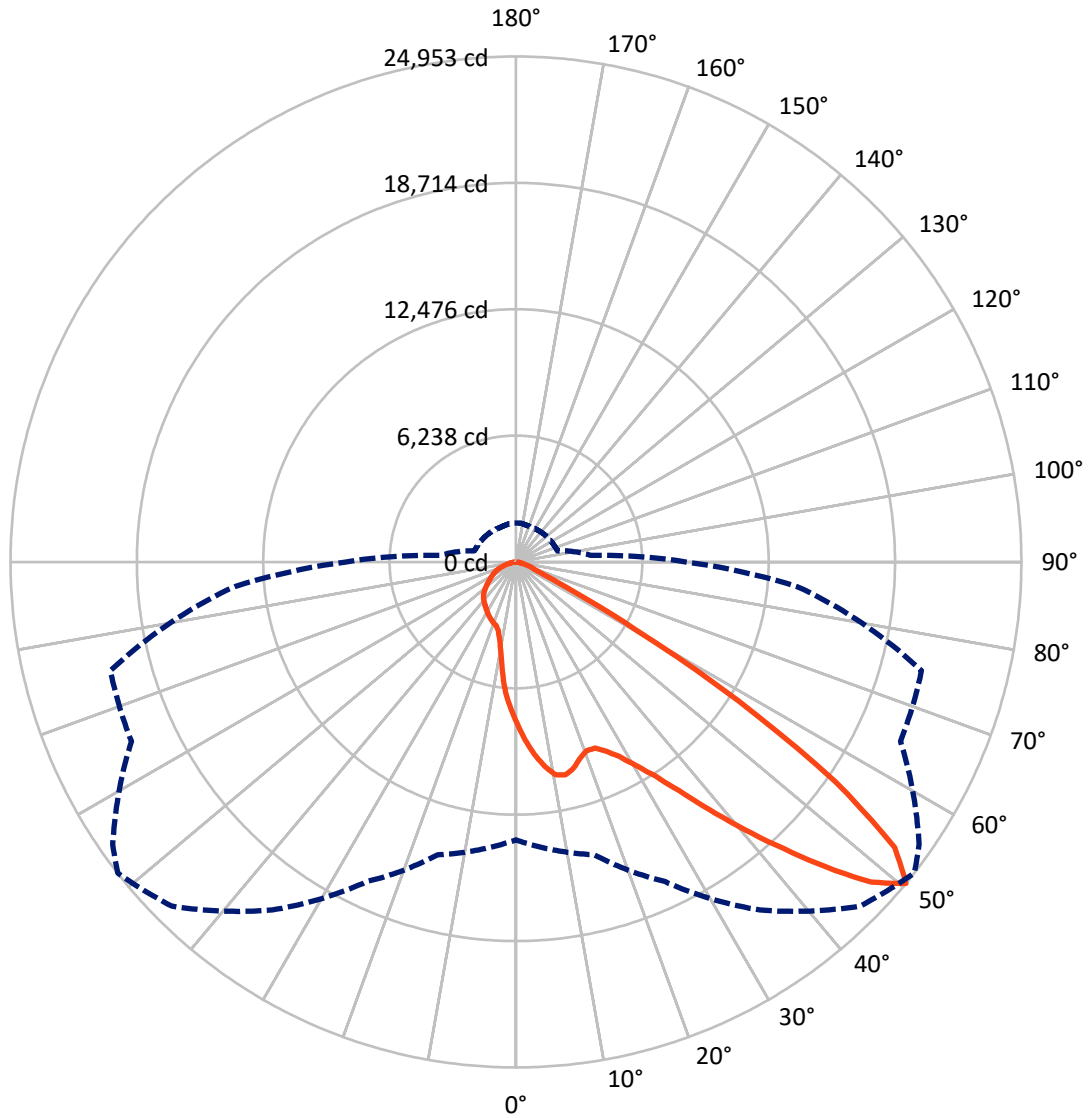
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5331.6 | 0.0 | 5331.6 |
| | % Fixture | 18.8 | 0.0 | 18.8 |
| Street Side | Lumens | 23031.4 | 0.0 | 23031.4 |
| | % Fixture | 81.2 | 0.0 | 81.2 |
| Total | Lumens | 28363.0 | 0.0 | 28363.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 736.9 | 2.6 |
| 10°-20° | 1975.1 | 7.0 |
| 20°-30° | 3326.9 | 11.7 |
| 30°-40° | 5582.9 | 19.7 |
| 40°-50° | 8540.5 | 30.1 |
| 50°-60° | 6226.7 | 22.0 |
| 60°-70° | 1385.7 | 4.9 |
| 70°-80° | 499.8 | 1.8 |
| 80°-90° | 88.5 | 0.3 |
| 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° | 28363.0 | 100.0 |
| 0°-180° | 28363.0 | 100.0 |

Coefficient of Utilization

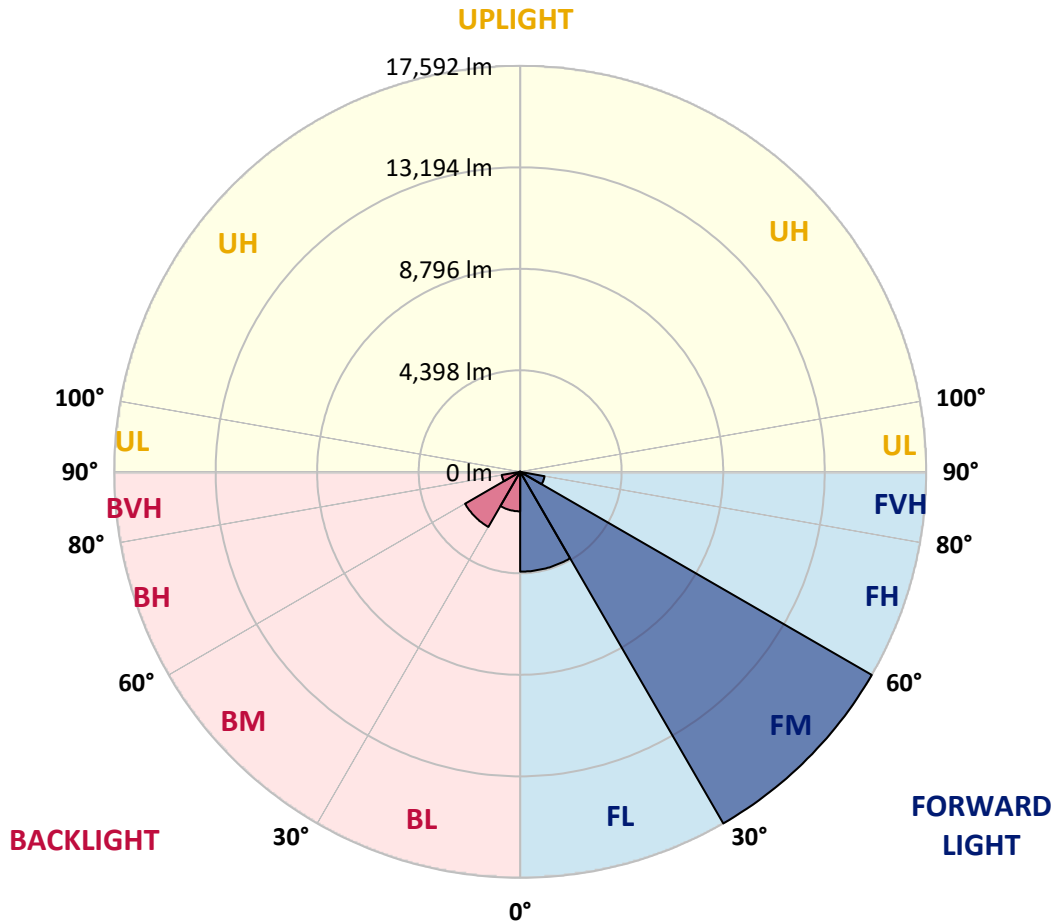


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 4326.3 | 15.3 | | | |
| FM (30°-60°) | 17592.2 | 62.0 | | | |
| FH (60°-80°) | 1073.3 | 3.8 | | | G1/1800 |
| FVH (80°-90°) | 39.7 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1712.6 | 6.0 | B3/2500 | | |
| BM (30°-60°) | 2757.9 | 9.7 | B3/5000 | | |
| BH (60°-80°) | 812.3 | 2.9 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 48.8 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 52° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7995.1 | 7995.1 | 7995.1 | 7995.1 | 7995.1 | 7995.1 | 7995.1 | 7995.1 | 7995.1 | 7995.1 | 7995.1 |
| 2.5° | 9413.6 | 9232.4 | 9252.9 | 9123.0 | 8982.9 | 8941.9 | 8798.3 | 8661.6 | 8559.1 | 8340.3 | 8138.6 |
| 5° | 10288.6 | 10233.9 | 10151.9 | 10049.4 | 9943.4 | 9683.6 | 9536.6 | 9365.7 | 8989.7 | 8651.3 | 8316.4 |
| 7.5° | 10415.1 | 10404.9 | 10449.3 | 10449.3 | 10486.9 | 10387.8 | 10179.3 | 10059.6 | 9659.7 | 9109.4 | 8487.3 |
| 10° | 9526.4 | 9557.2 | 9772.5 | 10052.8 | 10442.5 | 10712.5 | 10678.3 | 10647.5 | 10210.0 | 9458.0 | 8688.9 |
| 12.5° | 8818.8 | 8750.5 | 8876.9 | 9116.2 | 9700.7 | 10353.6 | 10794.5 | 10797.9 | 10685.1 | 10015.2 | 8835.9 |
| 15° | 8418.9 | 8466.8 | 8500.9 | 8613.7 | 9054.7 | 9810.1 | 10586.0 | 10815.0 | 11310.7 | 10408.3 | 9068.4 |
| 17.5° | 8675.3 | 8514.6 | 8507.8 | 8535.1 | 8760.7 | 9328.1 | 10199.8 | 10592.9 | 11652.5 | 10914.2 | 9355.5 |
| 20° | 9010.3 | 9006.8 | 8911.1 | 8876.9 | 8873.5 | 9379.4 | 9946.8 | 10480.1 | 11833.6 | 11570.4 | 9646.0 |
| 22.5° | 9598.2 | 9598.2 | 9440.9 | 9365.7 | 9205.1 | 9618.7 | 9981.0 | 10343.3 | 12134.4 | 12021.6 | 9786.2 |
| 25° | 10582.6 | 10421.9 | 10151.9 | 9967.3 | 9875.0 | 10022.0 | 10343.3 | 10668.1 | 12397.6 | 12500.2 | 10076.7 |
| 27.5° | 11491.8 | 11238.9 | 11105.6 | 10787.7 | 10664.6 | 10579.2 | 10873.1 | 11201.3 | 12705.3 | 13245.3 | 10233.9 |
| 30° | 12524.1 | 12479.7 | 12240.4 | 11830.2 | 11526.0 | 11368.8 | 11638.8 | 11963.5 | 13269.3 | 14007.6 | 10596.3 |
| 32.5° | 14369.9 | 13966.6 | 13641.8 | 13139.4 | 12643.7 | 12308.8 | 12575.4 | 12790.7 | 14205.8 | 14804.0 | 10992.8 |
| 35° | 16362.7 | 16232.8 | 15672.2 | 14766.4 | 14007.6 | 13706.8 | 13864.0 | 14024.7 | 15296.2 | 16020.9 | 11659.3 |
| 37.5° | 18321.3 | 18143.6 | 17682.1 | 16919.9 | 15997.0 | 15385.1 | 15497.9 | 15685.9 | 16519.9 | 17661.6 | 12472.8 |
| 40° | 19729.6 | 19510.8 | 19278.4 | 19165.6 | 18249.5 | 17412.1 | 17347.1 | 17395.0 | 18174.3 | 19199.8 | 13375.2 |
| 42.5° | 19832.1 | 20102.2 | 20173.9 | 20628.6 | 20413.2 | 19726.2 | 19326.2 | 19336.5 | 19753.5 | 20720.8 | 14287.9 |
| 45° | 19616.8 | 19367.3 | 19897.1 | 21137.9 | 21848.8 | 22170.1 | 21496.8 | 21411.3 | 20731.1 | 21602.7 | 14742.5 |
| 47.5° | 17357.4 | 17425.7 | 18321.3 | 20283.3 | 22337.6 | 23773.3 | 23616.0 | 23332.3 | 21254.1 | 21572.0 | 14670.7 |
| 50° | 13720.5 | 14134.1 | 14964.7 | 17408.7 | 20970.4 | 24026.2 | 24952.5 | 24296.2 | 20943.0 | 20724.3 | 13939.2 |
| 52.5° | 9136.7 | 9307.6 | 9854.5 | 13009.5 | 16861.7 | 21476.3 | 23414.3 | 23564.7 | 20655.9 | 19613.4 | 13012.9 |
| 55° | 4067.6 | 4053.9 | 4823.0 | 6795.3 | 10579.2 | 16342.2 | 19131.4 | 20047.5 | 19551.8 | 18482.0 | 12110.5 |
| 57.5° | 1722.7 | 1780.9 | 2095.3 | 2936.2 | 5202.4 | 9861.4 | 12961.6 | 13764.9 | 15036.5 | 15176.6 | 9290.5 |
| 60° | 1165.6 | 1172.4 | 1257.9 | 1469.8 | 2177.4 | 4631.6 | 6798.7 | 7762.6 | 8671.9 | 8610.3 | 4929.0 |
| 62.5° | 916.1 | 940.0 | 1004.9 | 1090.4 | 1292.1 | 2102.2 | 3042.2 | 3578.8 | 3636.9 | 3059.2 | 1869.7 |
| 65° | 782.8 | 786.2 | 851.1 | 922.9 | 1011.8 | 1223.7 | 1466.4 | 1493.7 | 1510.8 | 1456.1 | 1374.1 |
| 67.5° | 646.0 | 652.9 | 704.1 | 786.2 | 868.2 | 936.6 | 1004.9 | 1039.1 | 1117.7 | 1271.6 | 1251.0 |
| 70° | 512.7 | 523.0 | 567.4 | 635.8 | 711.0 | 752.0 | 837.4 | 868.2 | 940.0 | 1059.6 | 1107.5 |
| 72.5° | 389.7 | 393.1 | 430.7 | 478.5 | 546.9 | 587.9 | 659.7 | 693.9 | 741.7 | 844.3 | 888.7 |
| 75° | 280.3 | 290.5 | 317.9 | 341.8 | 352.1 | 379.4 | 447.8 | 485.4 | 553.7 | 598.2 | 601.6 |
| 77.5° | 147.0 | 153.8 | 160.7 | 160.7 | 194.8 | 246.1 | 290.5 | 311.1 | 358.9 | 393.1 | 376.0 |
| 80° | 58.1 | 61.5 | 78.6 | 106.0 | 136.7 | 177.7 | 208.5 | 218.8 | 259.8 | 280.3 | 290.5 |
| 82.5° | 34.2 | 37.6 | 51.3 | 75.2 | 99.1 | 126.5 | 150.4 | 160.7 | 188.0 | 211.9 | 218.8 |
| 85° | 17.1 | 20.5 | 30.8 | 47.9 | 64.9 | 78.6 | 75.2 | 71.8 | 71.8 | 68.4 | 71.8 |
| 87.5° | 6.8 | 6.8 | 10.3 | 10.3 | 10.3 | 13.7 | 17.1 | 17.1 | 17.1 | 20.5 | 20.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7995.1 | 7995.1 | 7995.1 | 7995.1 | 7995.1 | 7995.1 | 7995.1 | 7995.1 | 7995.1 | 7995.1 | 7995.1 |
| 2.5° | 8005.3 | 7868.6 | 7742.1 | 7509.7 | 7256.7 | 7185.0 | 6891.0 | 6785.0 | 6709.8 | 6621.0 | 6593.6 |
| 5° | 8046.3 | 7865.2 | 7458.4 | 6990.1 | 6617.5 | 6139.0 | 5824.5 | 5486.1 | 5240.0 | 5178.5 | 5161.4 |
| 7.5° | 8131.8 | 7820.7 | 7120.0 | 6412.5 | 5650.2 | 5000.8 | 4505.1 | 4238.5 | 4002.7 | 3989.0 | 3965.1 |
| 10° | 8227.5 | 7687.4 | 6750.9 | 5640.0 | 4665.8 | 4064.2 | 3766.8 | 3650.6 | 3592.5 | 3578.8 | 3572.0 |
| 12.5° | 8306.1 | 7660.1 | 6337.3 | 4888.0 | 3968.5 | 3606.2 | 3517.3 | 3507.0 | 3531.0 | 3537.8 | 3551.5 |
| 15° | 8340.3 | 7550.7 | 5838.2 | 4214.6 | 3534.4 | 3401.1 | 3438.7 | 3479.7 | 3496.8 | 3541.2 | 3507.0 |
| 17.5° | 8405.2 | 7410.6 | 5222.9 | 3681.4 | 3291.7 | 3315.6 | 3380.6 | 3428.4 | 3455.8 | 3486.5 | 3442.1 |
| 20° | 8439.4 | 7284.1 | 4645.3 | 3363.5 | 3206.2 | 3250.7 | 3339.5 | 3377.1 | 3411.3 | 3425.0 | 3373.7 |
| 22.5° | 8408.7 | 7024.3 | 4136.0 | 3107.1 | 3124.2 | 3182.3 | 3260.9 | 3301.9 | 3281.4 | 3226.7 | 3196.0 |
| 25° | 8326.6 | 6658.6 | 3606.2 | 2943.0 | 3008.0 | 3110.5 | 3172.0 | 3141.3 | 3103.7 | 3072.9 | 3062.7 |
| 27.5° | 8323.2 | 6210.8 | 3223.3 | 2792.6 | 2908.8 | 3049.0 | 3028.5 | 3001.1 | 3018.2 | 2994.3 | 2967.0 |
| 30° | 8340.3 | 5776.7 | 2908.8 | 2707.2 | 2837.1 | 2905.4 | 2929.4 | 2902.0 | 2922.5 | 2878.1 | 2891.8 |
| 32.5° | 8251.4 | 5352.8 | 2703.8 | 2608.1 | 2751.6 | 2748.2 | 2826.8 | 2847.3 | 2799.5 | 2707.2 | 2720.8 |
| 35° | 8289.0 | 5011.0 | 2529.4 | 2563.6 | 2655.9 | 2655.9 | 2717.4 | 2693.5 | 2567.0 | 2512.3 | 2526.0 |
| 37.5° | 8548.8 | 4676.0 | 2444.0 | 2502.1 | 2563.6 | 2591.0 | 2570.5 | 2467.9 | 2437.1 | 2437.1 | 2444.0 |
| 40° | 8794.9 | 4388.9 | 2392.7 | 2488.4 | 2478.2 | 2495.3 | 2344.9 | 2355.1 | 2355.1 | 2358.5 | 2341.4 |
| 42.5° | 9013.7 | 4194.1 | 2351.7 | 2406.4 | 2423.5 | 2334.6 | 2242.3 | 2232.1 | 2256.0 | 2252.6 | 2238.9 |
| 45° | 9092.3 | 4033.4 | 2293.6 | 2314.1 | 2327.8 | 2180.8 | 2136.3 | 2115.8 | 2143.2 | 2153.4 | 2167.1 |
| 47.5° | 8791.5 | 3900.1 | 2228.6 | 2187.6 | 2160.3 | 2064.6 | 2006.5 | 1968.9 | 2003.0 | 2061.1 | 2074.8 |
| 50° | 8405.2 | 3725.8 | 2126.1 | 2047.5 | 1989.4 | 1948.3 | 1907.3 | 1869.7 | 1893.7 | 1934.7 | 1924.4 |
| 52.5° | 7834.4 | 3452.3 | 1996.2 | 1914.2 | 1815.0 | 1825.3 | 1787.7 | 1767.2 | 1780.9 | 1780.9 | 1770.6 |
| 55° | 7020.9 | 2837.1 | 1777.4 | 1719.3 | 1637.3 | 1664.6 | 1671.5 | 1644.1 | 1616.8 | 1640.7 | 1620.2 |
| 57.5° | 4792.3 | 2003.0 | 1586.0 | 1586.0 | 1504.0 | 1541.6 | 1538.2 | 1473.2 | 1408.3 | 1415.1 | 1401.4 |
| 60° | 2772.1 | 1596.3 | 1463.0 | 1449.3 | 1363.8 | 1394.6 | 1401.4 | 1357.0 | 1257.9 | 1264.7 | 1251.0 |
| 62.5° | 1575.8 | 1363.8 | 1278.4 | 1257.9 | 1240.8 | 1268.1 | 1268.1 | 1210.0 | 1124.6 | 1131.4 | 1117.7 |
| 65° | 1339.9 | 1264.7 | 1141.7 | 1138.2 | 1131.4 | 1138.2 | 1110.9 | 1049.4 | 974.2 | 943.4 | 946.8 |
| 67.5° | 1216.9 | 1169.0 | 1049.4 | 1018.6 | 998.1 | 994.7 | 943.4 | 885.3 | 851.1 | 823.8 | 820.4 |
| 70° | 1066.5 | 1028.9 | 940.0 | 899.0 | 878.5 | 830.6 | 779.3 | 741.7 | 693.9 | 680.2 | 693.9 |
| 72.5° | 844.3 | 840.9 | 806.7 | 762.2 | 717.8 | 680.2 | 635.8 | 584.5 | 540.1 | 529.8 | 505.9 |
| 75° | 584.5 | 591.3 | 598.2 | 591.3 | 553.7 | 505.9 | 454.6 | 413.6 | 358.9 | 328.1 | 321.3 |
| 77.5° | 382.8 | 393.1 | 403.3 | 389.7 | 365.7 | 321.3 | 287.1 | 235.9 | 194.8 | 170.9 | 167.5 |
| 80° | 280.3 | 294.0 | 300.8 | 290.5 | 263.2 | 229.0 | 191.4 | 150.4 | 119.6 | 99.1 | 99.1 |
| 82.5° | 215.3 | 229.0 | 235.9 | 218.8 | 191.4 | 164.1 | 136.7 | 106.0 | 82.0 | 64.9 | 61.5 |
| 85° | 75.2 | 71.8 | 85.5 | 88.9 | 106.0 | 99.1 | 82.0 | 61.5 | 47.9 | 34.2 | 30.8 |
| 87.5° | 20.5 | 20.5 | 23.9 | 23.9 | 20.5 | 17.1 | 17.1 | 17.1 | 13.7 | 10.3 | 10.3 |
| 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)