

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: P526850

Luminaire Tested: **GLAN-SA1D-750-U-AFL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526850
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-SA1D-750-U-AFL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND AUTOMOTIVE FRONTLINE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7063 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

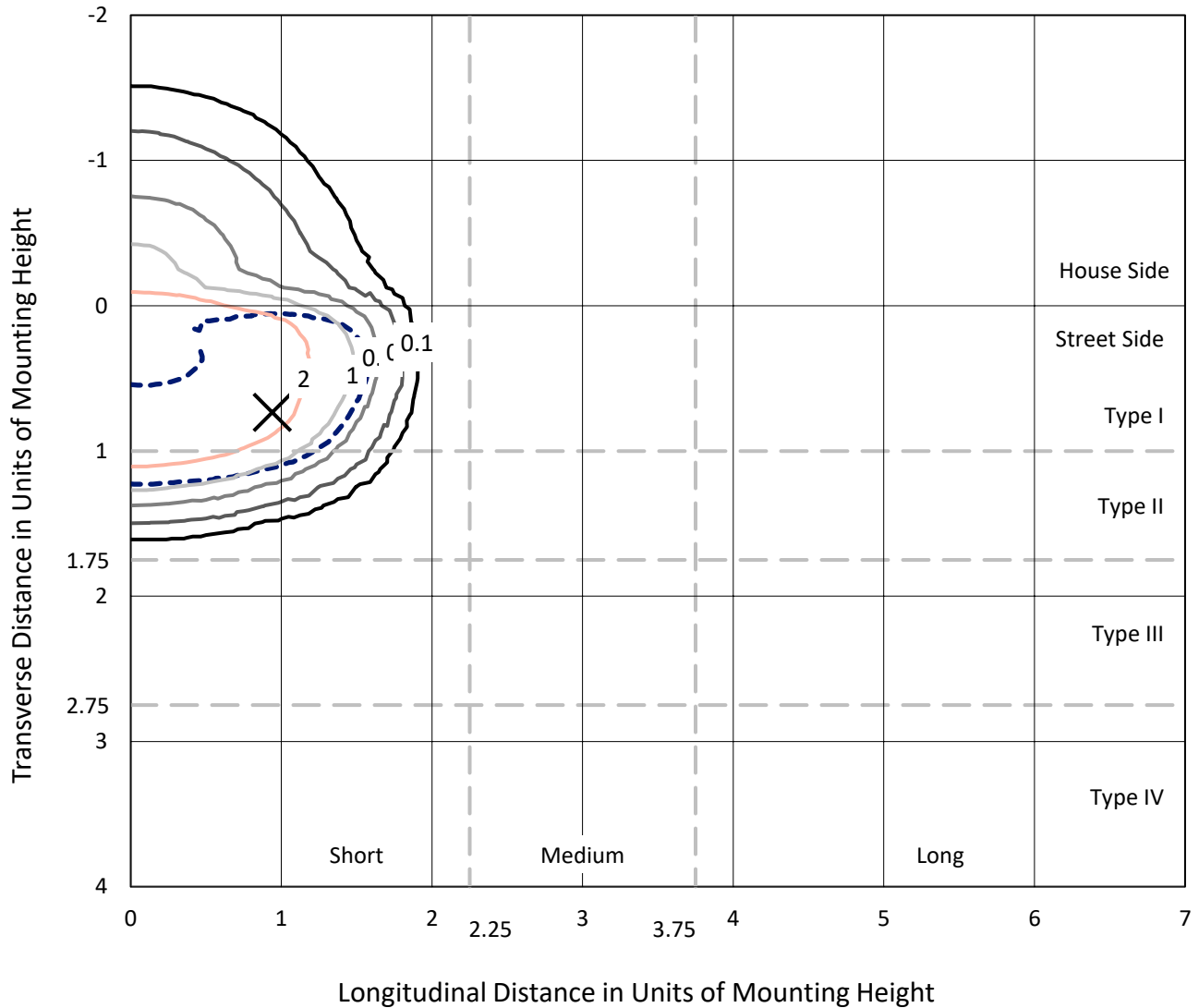
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

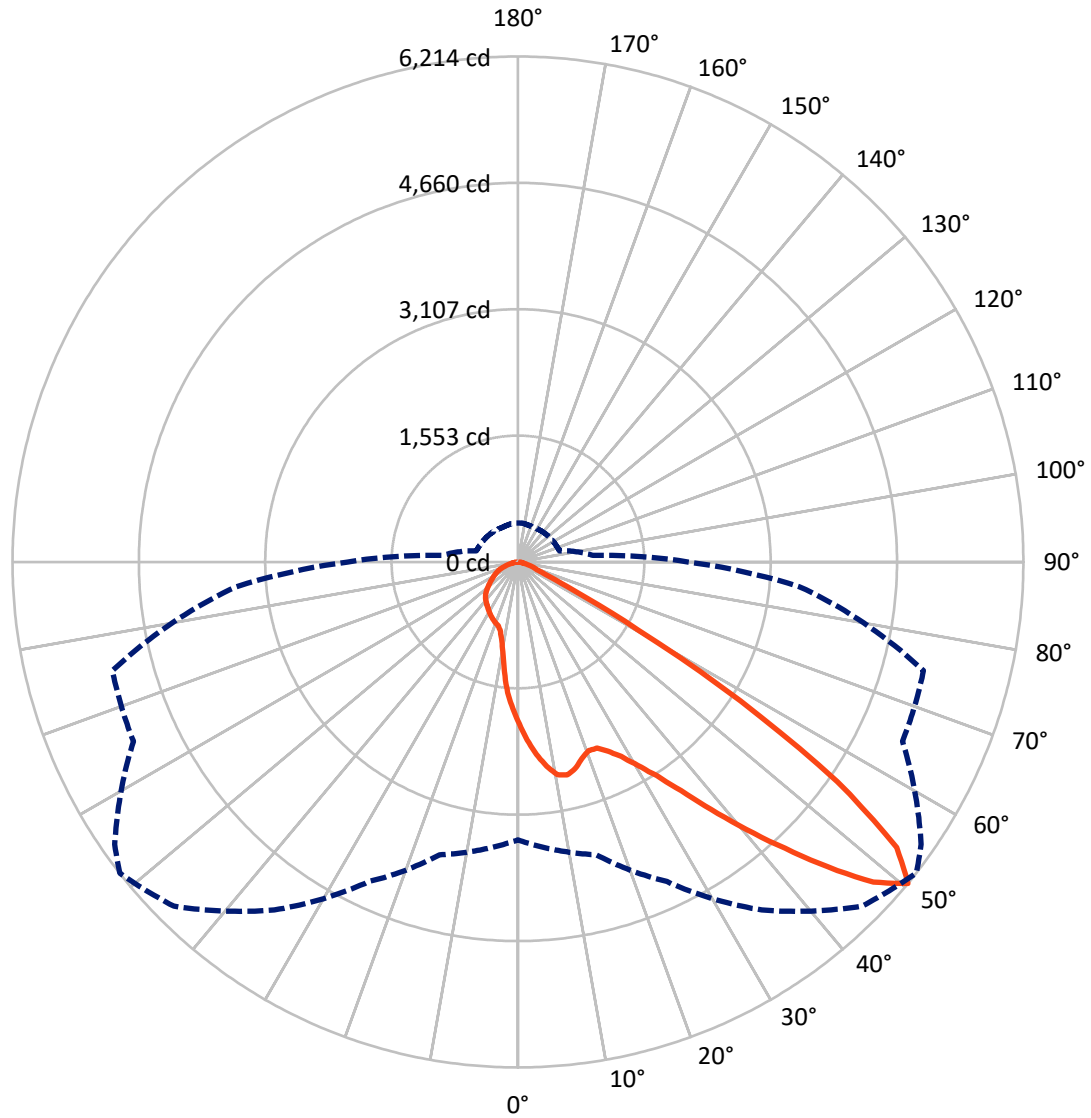
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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 | 1327.7 | 0.0 | 1327.7 |
| | % Fixture | 18.8 | 0.0 | 18.8 |
| Street Side | Lumens | 5735.3 | 0.0 | 5735.3 |
| | % Fixture | 81.2 | 0.0 | 81.2 |
| Total | Lumens | 7063.0 | 0.0 | 7063.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 183.5 | 2.6 |
| 10°-20° | 491.8 | 7.0 |
| 20°-30° | 828.5 | 11.7 |
| 30°-40° | 1390.3 | 19.7 |
| 40°-50° | 2126.8 | 30.1 |
| 50°-60° | 1550.6 | 22.0 |
| 60°-70° | 345.1 | 4.9 |
| 70°-80° | 124.5 | 1.8 |
| 80°-90° | 22.0 | 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° | 7063.0 | 100.0 |
| 0°-180° | 7063.0 | 100.0 |

Coefficient of Utilization

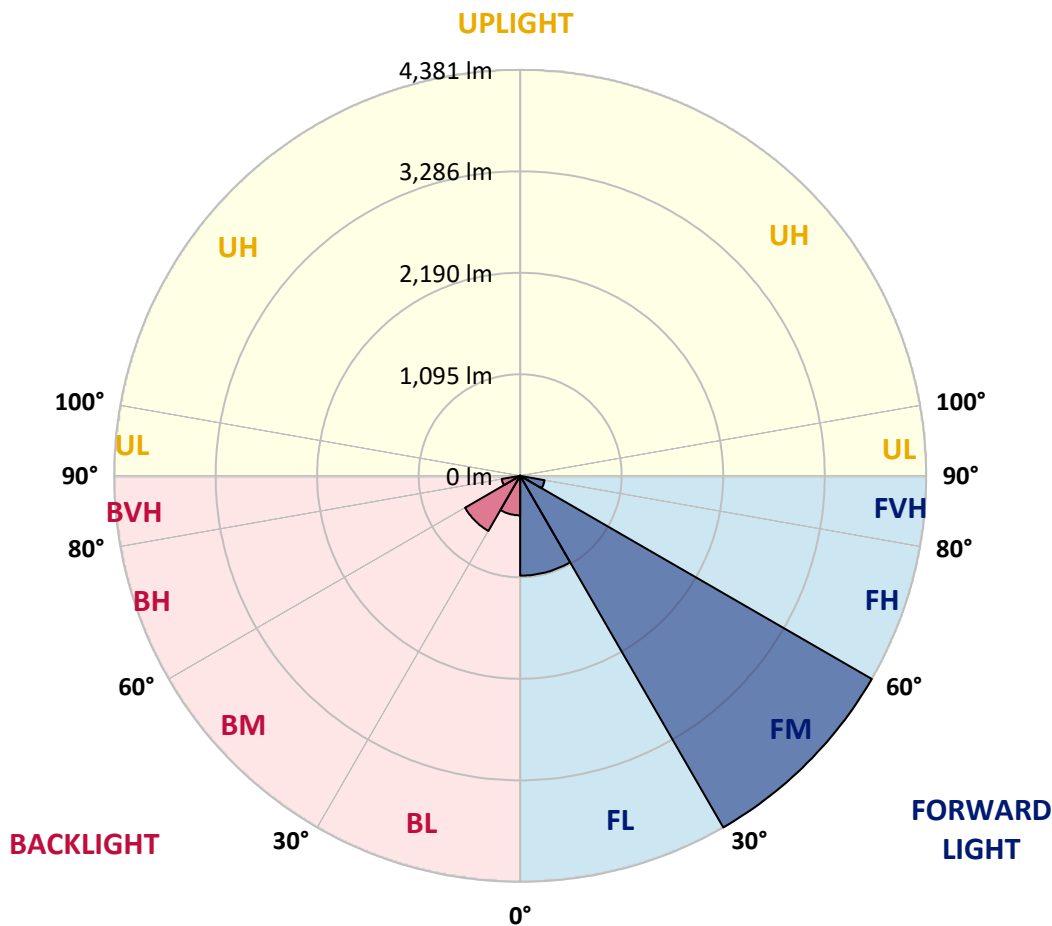


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 1077.3 | 15.3 | | | |
| FM (30°-60°) | 4380.8 | 62.0 | | | |
| FH (60°-80°) | 267.3 | 3.8 | | | G0/660 |
| FVH (80°-90°) | 9.9 | 0.1 | | | G0/10 |
| BL (0°-30°) | 426.5 | 6.0 | B1/500 | | |
| BM (30°-60°) | 686.8 | 9.7 | B1/1000 | | |
| BH (60°-80°) | 202.3 | 2.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 12.2 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 52° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1990.9 | 1990.9 | 1990.9 | 1990.9 | 1990.9 | 1990.9 | 1990.9 | 1990.9 | 1990.9 | 1990.9 | 1990.9 |
| 2.5° | 2344.2 | 2299.1 | 2304.2 | 2271.8 | 2236.9 | 2226.7 | 2191.0 | 2156.9 | 2131.4 | 2076.9 | 2026.7 |
| 5° | 2562.1 | 2548.5 | 2528.0 | 2502.5 | 2476.1 | 2411.4 | 2374.8 | 2332.3 | 2238.6 | 2154.4 | 2071.0 |
| 7.5° | 2593.6 | 2591.0 | 2602.1 | 2602.1 | 2611.5 | 2586.8 | 2534.9 | 2505.1 | 2405.5 | 2268.4 | 2113.5 |
| 10° | 2372.3 | 2379.9 | 2433.6 | 2503.4 | 2600.4 | 2667.6 | 2659.1 | 2651.5 | 2542.5 | 2355.3 | 2163.7 |
| 12.5° | 2196.1 | 2179.1 | 2210.6 | 2270.1 | 2415.7 | 2578.3 | 2688.1 | 2688.9 | 2660.8 | 2494.0 | 2200.3 |
| 15° | 2096.5 | 2108.4 | 2116.9 | 2145.0 | 2254.8 | 2442.9 | 2636.1 | 2693.2 | 2816.6 | 2591.9 | 2258.2 |
| 17.5° | 2160.3 | 2120.3 | 2118.6 | 2125.4 | 2181.6 | 2322.9 | 2540.0 | 2637.8 | 2901.7 | 2717.9 | 2329.7 |
| 20° | 2243.7 | 2242.9 | 2219.1 | 2210.6 | 2209.7 | 2335.7 | 2477.0 | 2609.8 | 2946.8 | 2881.3 | 2402.1 |
| 22.5° | 2390.2 | 2390.2 | 2351.0 | 2332.3 | 2292.3 | 2395.3 | 2485.5 | 2575.7 | 3021.7 | 2993.6 | 2437.0 |
| 25° | 2635.3 | 2595.3 | 2528.0 | 2482.1 | 2459.1 | 2495.7 | 2575.7 | 2656.6 | 3087.3 | 3112.8 | 2509.3 |
| 27.5° | 2861.7 | 2798.7 | 2765.5 | 2686.4 | 2655.7 | 2634.4 | 2707.6 | 2789.4 | 3163.9 | 3298.4 | 2548.5 |
| 30° | 3118.8 | 3107.7 | 3048.1 | 2946.0 | 2870.2 | 2831.1 | 2898.3 | 2979.2 | 3304.3 | 3488.2 | 2638.7 |
| 32.5° | 3578.4 | 3478.0 | 3397.1 | 3272.0 | 3148.6 | 3065.1 | 3131.5 | 3185.2 | 3537.6 | 3686.5 | 2737.4 |
| 35° | 4074.7 | 4042.3 | 3902.7 | 3677.2 | 3488.2 | 3413.3 | 3452.4 | 3492.4 | 3809.1 | 3989.5 | 2903.4 |
| 37.5° | 4562.4 | 4518.1 | 4403.2 | 4213.4 | 3983.6 | 3831.2 | 3859.3 | 3906.1 | 4113.8 | 4398.1 | 3106.0 |
| 40° | 4913.1 | 4858.6 | 4800.7 | 4772.6 | 4544.5 | 4336.0 | 4319.8 | 4331.7 | 4525.8 | 4781.2 | 3330.7 |
| 42.5° | 4938.6 | 5005.9 | 5023.7 | 5137.0 | 5083.3 | 4912.2 | 4812.7 | 4815.2 | 4919.0 | 5159.9 | 3558.0 |
| 45° | 4885.0 | 4822.9 | 4954.8 | 5263.8 | 5440.8 | 5520.8 | 5353.2 | 5331.9 | 5162.5 | 5379.5 | 3671.2 |
| 47.5° | 4322.4 | 4339.4 | 4562.4 | 5051.0 | 5562.6 | 5920.1 | 5880.9 | 5810.2 | 5292.7 | 5371.9 | 3653.3 |
| 50° | 3416.7 | 3519.7 | 3726.5 | 4335.1 | 5222.1 | 5983.0 | 6213.7 | 6050.3 | 5215.3 | 5160.8 | 3471.2 |
| 52.5° | 2275.2 | 2317.8 | 2454.0 | 3239.6 | 4198.9 | 5348.1 | 5830.7 | 5868.1 | 5143.8 | 4884.2 | 3240.5 |
| 55° | 1012.9 | 1009.5 | 1201.0 | 1692.2 | 2634.4 | 4069.6 | 4764.1 | 4992.3 | 4868.8 | 4602.4 | 3015.8 |
| 57.5° | 429.0 | 443.5 | 521.8 | 731.2 | 1295.5 | 2455.7 | 3227.7 | 3427.8 | 3744.4 | 3779.3 | 2313.5 |
| 60° | 290.3 | 292.0 | 313.2 | 366.0 | 542.2 | 1153.4 | 1693.0 | 1933.1 | 2159.5 | 2144.2 | 1227.4 |
| 62.5° | 228.1 | 234.1 | 250.3 | 271.5 | 321.8 | 523.5 | 757.6 | 891.2 | 905.7 | 761.8 | 465.6 |
| 65° | 194.9 | 195.8 | 211.9 | 229.8 | 252.0 | 304.7 | 365.2 | 372.0 | 376.2 | 362.6 | 342.2 |
| 67.5° | 160.9 | 162.6 | 175.3 | 195.8 | 216.2 | 233.2 | 250.3 | 258.8 | 278.3 | 316.6 | 311.5 |
| 70° | 127.7 | 130.2 | 141.3 | 158.3 | 177.0 | 187.3 | 208.5 | 216.2 | 234.1 | 263.9 | 275.8 |
| 72.5° | 97.0 | 97.9 | 107.3 | 119.2 | 136.2 | 146.4 | 164.3 | 172.8 | 184.7 | 210.2 | 221.3 |
| 75° | 69.8 | 72.4 | 79.2 | 85.1 | 87.7 | 94.5 | 111.5 | 120.9 | 137.9 | 149.0 | 149.8 |
| 77.5° | 36.6 | 38.3 | 40.0 | 40.0 | 48.5 | 61.3 | 72.4 | 77.5 | 89.4 | 97.9 | 93.6 |
| 80° | 14.5 | 15.3 | 19.6 | 26.4 | 34.0 | 44.3 | 51.9 | 54.5 | 64.7 | 69.8 | 72.4 |
| 82.5° | 8.5 | 9.4 | 12.8 | 18.7 | 24.7 | 31.5 | 37.5 | 40.0 | 46.8 | 52.8 | 54.5 |
| 85° | 4.3 | 5.1 | 7.7 | 11.9 | 16.2 | 19.6 | 18.7 | 17.9 | 17.9 | 17.0 | 17.9 |
| 87.5° | 1.7 | 1.7 | 2.6 | 2.6 | 2.6 | 3.4 | 4.3 | 4.3 | 4.3 | 5.1 | 5.1 |
| 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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CATALOG NUMBER: GLAN-SA1D-750-U-AFL-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1990.9 | 1990.9 | 1990.9 | 1990.9 | 1990.9 | 1990.9 | 1990.9 | 1990.9 | 1990.9 | 1990.9 | 1990.9 |
| 2.5° | 1993.5 | 1959.4 | 1928.0 | 1870.1 | 1807.1 | 1789.2 | 1716.0 | 1689.6 | 1670.9 | 1648.8 | 1642.0 |
| 5° | 2003.7 | 1958.6 | 1857.3 | 1740.7 | 1647.9 | 1528.7 | 1450.4 | 1366.2 | 1304.9 | 1289.6 | 1285.3 |
| 7.5° | 2025.0 | 1947.5 | 1773.0 | 1596.8 | 1407.0 | 1245.3 | 1121.9 | 1055.5 | 996.7 | 993.3 | 987.4 |
| 10° | 2048.8 | 1914.3 | 1681.1 | 1404.5 | 1161.9 | 1012.1 | 938.0 | 909.1 | 894.6 | 891.2 | 889.5 |
| 12.5° | 2068.4 | 1907.5 | 1578.1 | 1217.2 | 988.2 | 898.0 | 875.9 | 873.3 | 879.3 | 881.0 | 884.4 |
| 15° | 2076.9 | 1880.3 | 1453.8 | 1049.5 | 880.1 | 846.9 | 856.3 | 866.5 | 870.8 | 881.8 | 873.3 |
| 17.5° | 2093.1 | 1845.4 | 1300.6 | 916.7 | 819.7 | 825.7 | 841.8 | 853.7 | 860.6 | 868.2 | 857.2 |
| 20° | 2101.6 | 1813.9 | 1156.8 | 837.6 | 798.4 | 809.5 | 831.6 | 841.0 | 849.5 | 852.9 | 840.1 |
| 22.5° | 2093.9 | 1749.2 | 1029.9 | 773.7 | 778.0 | 792.5 | 812.0 | 822.3 | 817.1 | 803.5 | 795.9 |
| 25° | 2073.5 | 1658.1 | 898.0 | 732.9 | 749.1 | 774.6 | 789.9 | 782.2 | 772.9 | 765.2 | 762.7 |
| 27.5° | 2072.7 | 1546.6 | 802.7 | 695.4 | 724.4 | 759.3 | 754.2 | 747.3 | 751.6 | 745.6 | 738.8 |
| 30° | 2076.9 | 1438.5 | 724.4 | 674.1 | 706.5 | 723.5 | 729.5 | 722.7 | 727.8 | 716.7 | 720.1 |
| 32.5° | 2054.8 | 1333.0 | 673.3 | 649.5 | 685.2 | 684.4 | 703.9 | 709.0 | 697.1 | 674.1 | 677.6 |
| 35° | 2064.1 | 1247.9 | 629.9 | 638.4 | 661.4 | 661.4 | 676.7 | 670.7 | 639.2 | 625.6 | 629.0 |
| 37.5° | 2128.8 | 1164.4 | 608.6 | 623.1 | 638.4 | 645.2 | 640.1 | 614.6 | 606.9 | 606.9 | 608.6 |
| 40° | 2190.1 | 1092.9 | 595.8 | 619.7 | 617.1 | 621.4 | 583.9 | 586.5 | 586.5 | 587.3 | 583.1 |
| 42.5° | 2244.6 | 1044.4 | 585.6 | 599.2 | 603.5 | 581.4 | 558.4 | 555.8 | 561.8 | 560.9 | 557.5 |
| 45° | 2264.2 | 1004.4 | 571.2 | 576.3 | 579.7 | 543.1 | 532.0 | 526.9 | 533.7 | 536.3 | 539.7 |
| 47.5° | 2189.3 | 971.2 | 555.0 | 544.8 | 538.0 | 514.1 | 499.7 | 490.3 | 498.8 | 513.3 | 516.7 |
| 50° | 2093.1 | 927.8 | 529.4 | 509.9 | 495.4 | 485.2 | 475.0 | 465.6 | 471.6 | 481.8 | 479.2 |
| 52.5° | 1950.9 | 859.7 | 497.1 | 476.7 | 452.0 | 454.5 | 445.2 | 440.1 | 443.5 | 443.5 | 440.9 |
| 55° | 1748.4 | 706.5 | 442.6 | 428.2 | 407.7 | 414.5 | 416.2 | 409.4 | 402.6 | 408.6 | 403.5 |
| 57.5° | 1193.4 | 498.8 | 395.0 | 395.0 | 374.5 | 383.9 | 383.0 | 366.9 | 350.7 | 352.4 | 349.0 |
| 60° | 690.3 | 397.5 | 364.3 | 360.9 | 339.6 | 347.3 | 349.0 | 337.9 | 313.2 | 314.9 | 311.5 |
| 62.5° | 392.4 | 339.6 | 318.3 | 313.2 | 309.0 | 315.8 | 315.8 | 301.3 | 280.0 | 281.7 | 278.3 |
| 65° | 333.7 | 314.9 | 284.3 | 283.4 | 281.7 | 283.4 | 276.6 | 261.3 | 242.6 | 234.9 | 235.8 |
| 67.5° | 303.0 | 291.1 | 261.3 | 253.7 | 248.5 | 247.7 | 234.9 | 220.5 | 211.9 | 205.1 | 204.3 |
| 70° | 265.6 | 256.2 | 234.1 | 223.9 | 218.8 | 206.8 | 194.1 | 184.7 | 172.8 | 169.4 | 172.8 |
| 72.5° | 210.2 | 209.4 | 200.9 | 189.8 | 178.8 | 169.4 | 158.3 | 145.6 | 134.5 | 131.9 | 126.0 |
| 75° | 145.6 | 147.3 | 149.0 | 147.3 | 137.9 | 126.0 | 113.2 | 103.0 | 89.4 | 81.7 | 80.0 |
| 77.5° | 95.3 | 97.9 | 100.4 | 97.0 | 91.1 | 80.0 | 71.5 | 58.7 | 48.5 | 42.6 | 41.7 |
| 80° | 69.8 | 73.2 | 74.9 | 72.4 | 65.5 | 57.0 | 47.7 | 37.5 | 29.8 | 24.7 | 24.7 |
| 82.5° | 53.6 | 57.0 | 58.7 | 54.5 | 47.7 | 40.9 | 34.0 | 26.4 | 20.4 | 16.2 | 15.3 |
| 85° | 18.7 | 17.9 | 21.3 | 22.1 | 26.4 | 24.7 | 20.4 | 15.3 | 11.9 | 8.5 | 7.7 |
| 87.5° | 5.1 | 5.1 | 6.0 | 6.0 | 5.1 | 4.3 | 4.3 | 4.3 | 3.4 | 2.6 | 2.6 |
| 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)