

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: P526627

Luminaire Tested: **GLAN-SA1C-750-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1C-750-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4196 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

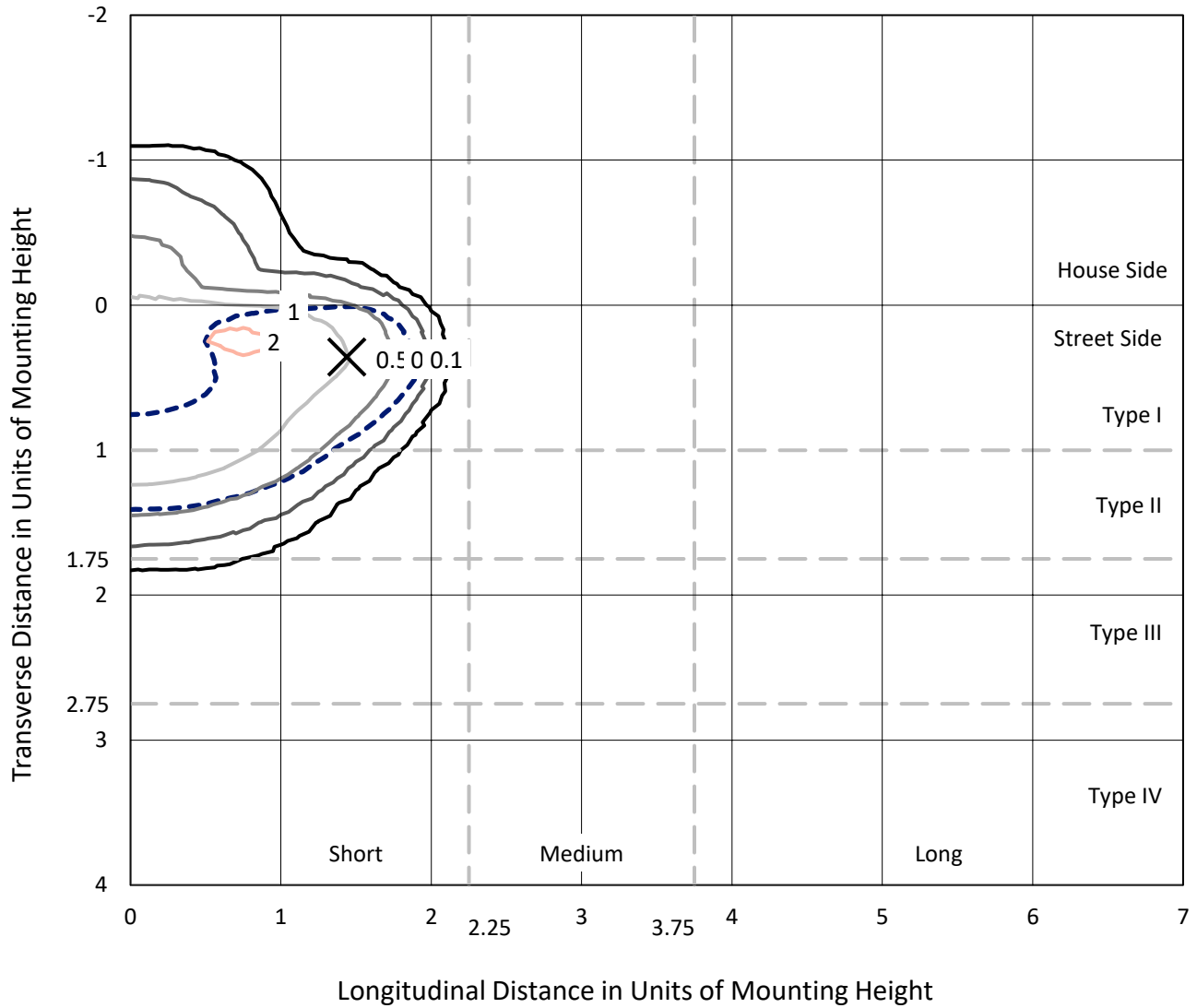
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526627
 CATALOG NUMBER: GLAN-SA1C-750-U-T2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

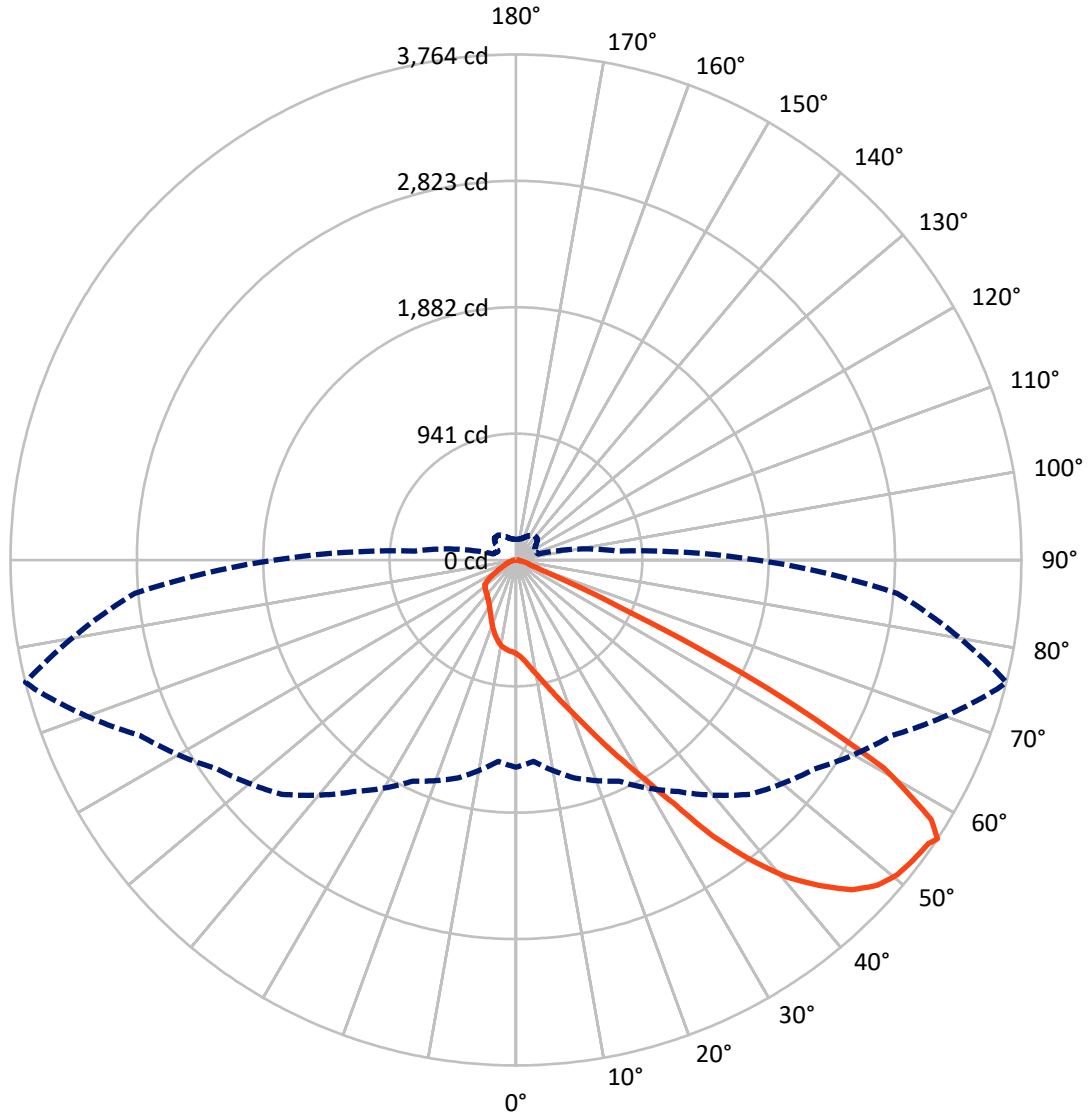
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - N/A

REPORT NUMBER: P526627
CATALOG NUMBER: GLAN-SA1C-750-U-T2-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P526627
 CATALOG NUMBER: GLAN-SA1C-750-U-T2-GRSBK

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 659.2 | 0.0 | 659.2 |
| | % Fixture | 15.7 | 0.0 | 15.7 |
| Street Side | Lumens | 3536.8 | 0.0 | 3536.8 |
| | % Fixture | 84.3 | 0.0 | 84.3 |
| Total | Lumens | 4196.0 | 0.0 | 4196.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 70.4 | 1.7 |
| 10°-20° | 226.0 | 5.4 |
| 20°-30° | 409.9 | 9.8 |
| 30°-40° | 706.8 | 16.8 |
| 40°-50° | 1148.2 | 27.4 |
| 50°-60° | 1210.3 | 28.8 |
| 60°-70° | 369.8 | 8.8 |
| 70°-80° | 47.4 | 1.1 |
| 80°-90° | 7.2 | 0.2 |
| 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° | 4196.0 | 100.0 |
| 0°-180° | 4196.0 | 100.0 |

Coefficient of Utilization

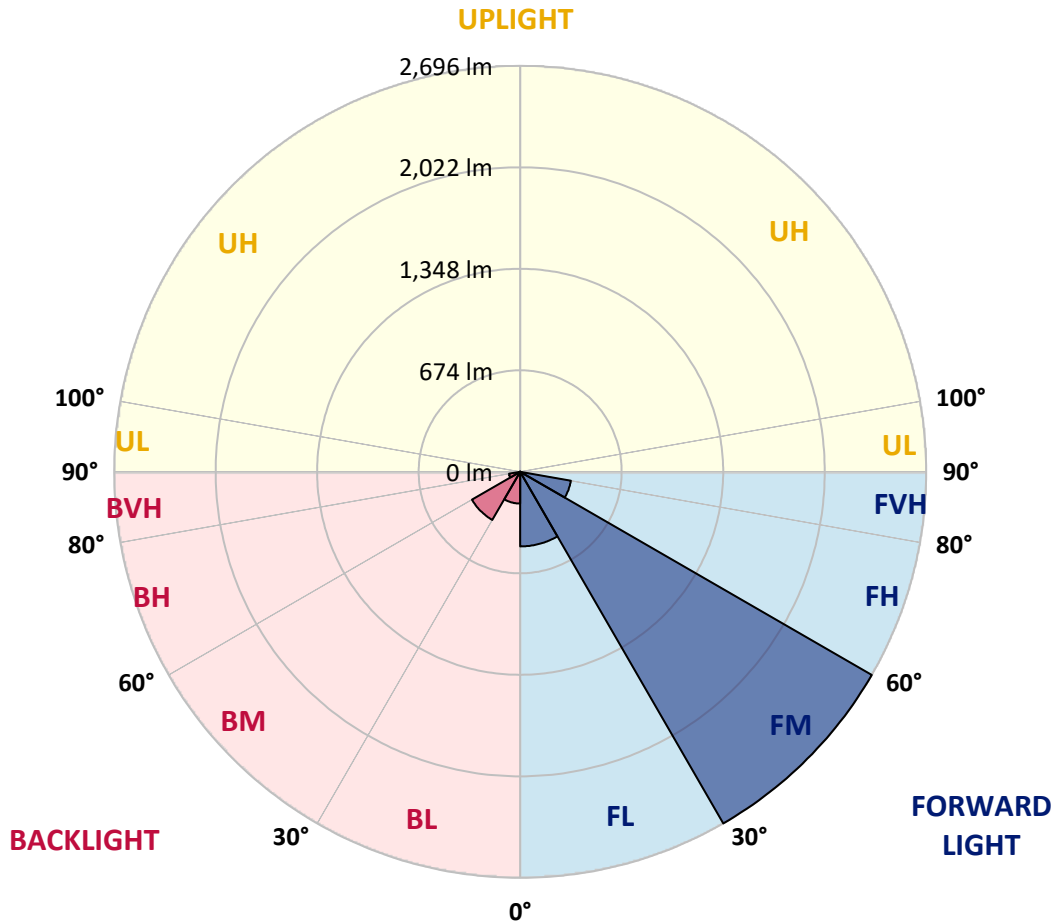


REPORT NUMBER: P526627
 CATALOG NUMBER: GLAN-SA1C-750-U-T2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 495.4 | 11.8 | | | |
| FM (30°-60°) | 2695.9 | 64.3 | | | |
| FH (60°-80°) | 342.0 | 8.2 | | | G0/660 |
| FVH (80°-90°) | 3.5 | 0.1 | | | G0/10 |
| BL (0°-30°) | 210.9 | 5.0 | B1/500 | | |
| BM (30°-60°) | 369.4 | 8.8 | B1/1000 | | |
| BH (60°-80°) | 75.2 | 1.8 | B0/110 | | G0/110 |
| BVH (80°-90°) | 3.7 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G0
 Type II Short





REPORT NUMBER: P526627

CATALOG NUMBER: GLAN-SA1C-750-U-T2-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 76° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 698.4 | 698.4 | 698.4 | 698.4 | 698.4 | 698.4 | 698.4 | 698.4 | 698.4 | 698.4 | 698.4 |
| 2.5° | 804.4 | 785.8 | 786.6 | 785.1 | 782.7 | 774.2 | 748.7 | 744.8 | 727.8 | 723.2 | 707.7 |
| 5° | 901.1 | 884.8 | 894.1 | 880.2 | 867.0 | 859.3 | 817.5 | 798.2 | 771.1 | 761.1 | 739.4 |
| 7.5° | 961.4 | 953.7 | 950.6 | 951.4 | 939.0 | 919.6 | 901.1 | 858.5 | 822.2 | 814.4 | 768.8 |
| 10° | 990.8 | 986.2 | 990.8 | 988.5 | 993.9 | 996.2 | 963.7 | 938.2 | 884.8 | 871.7 | 800.5 |
| 12.5° | 997.8 | 1007.0 | 1010.9 | 1021.0 | 1034.1 | 1056.5 | 1054.2 | 1019.4 | 948.3 | 939.7 | 849.3 |
| 15° | 1014.8 | 1022.5 | 1018.6 | 1034.9 | 1059.6 | 1097.5 | 1117.6 | 1112.2 | 1035.7 | 1020.2 | 905.7 |
| 17.5° | 1030.2 | 1016.3 | 1029.5 | 1062.0 | 1086.7 | 1144.7 | 1193.4 | 1215.9 | 1130.8 | 1113.0 | 957.5 |
| 20° | 1051.1 | 1047.3 | 1044.9 | 1061.2 | 1105.3 | 1182.6 | 1279.3 | 1320.3 | 1237.5 | 1219.0 | 1031.8 |
| 22.5° | 1114.5 | 1115.3 | 1113.8 | 1089.8 | 1121.5 | 1208.9 | 1354.3 | 1455.6 | 1365.1 | 1349.7 | 1116.1 |
| 25° | 1198.1 | 1188.0 | 1180.3 | 1161.0 | 1157.1 | 1232.9 | 1430.1 | 1621.2 | 1518.3 | 1507.5 | 1207.4 |
| 27.5° | 1286.3 | 1286.3 | 1263.1 | 1245.3 | 1220.5 | 1292.4 | 1499.7 | 1782.0 | 1703.1 | 1688.5 | 1287.0 |
| 30° | 1382.2 | 1387.6 | 1384.5 | 1346.6 | 1331.1 | 1357.4 | 1570.9 | 1987.8 | 1915.1 | 1896.5 | 1418.5 |
| 32.5° | 1523.7 | 1512.1 | 1525.3 | 1493.5 | 1447.9 | 1471.1 | 1683.0 | 2171.9 | 2190.4 | 2164.1 | 1591.0 |
| 35° | 1710.9 | 1703.9 | 1695.4 | 1643.6 | 1589.5 | 1608.0 | 1841.6 | 2398.5 | 2536.2 | 2523.0 | 1765.0 |
| 37.5° | 1878.7 | 1874.9 | 1867.9 | 1832.3 | 1769.7 | 1792.1 | 2021.8 | 2634.4 | 2873.4 | 2830.1 | 2011.0 |
| 40° | 2055.1 | 2076.0 | 2053.5 | 2021.8 | 1964.6 | 2014.1 | 2233.7 | 2774.4 | 3157.2 | 3104.7 | 2198.9 |
| 42.5° | 2294.1 | 2277.8 | 2287.9 | 2229.9 | 2198.9 | 2253.1 | 2446.4 | 2914.4 | 3377.7 | 3315.0 | 2398.5 |
| 45° | 2548.5 | 2549.3 | 2522.2 | 2503.7 | 2423.2 | 2482.0 | 2577.2 | 2991.7 | 3553.3 | 3504.5 | 2549.3 |
| 47.5° | 2711.7 | 2711.0 | 2740.4 | 2769.7 | 2687.0 | 2629.0 | 2666.1 | 3065.2 | 3643.7 | 3621.3 | 2604.2 |
| 50° | 2686.2 | 2693.9 | 2731.8 | 2841.7 | 2885.0 | 2806.9 | 2749.6 | 3043.5 | 3684.7 | 3682.4 | 2651.4 |
| 52.5° | 2336.6 | 2362.1 | 2425.6 | 2584.1 | 2802.2 | 2898.9 | 2837.0 | 3083.8 | 3704.9 | 3708.7 | 2721.8 |
| 55° | 1778.9 | 1792.9 | 1913.5 | 2106.1 | 2347.4 | 2678.5 | 2802.2 | 3115.5 | 3720.3 | 3727.3 | 2806.9 |
| 56° | 1543.0 | 1505.9 | 1679.9 | 1816.8 | 2105.3 | 2467.3 | 2714.1 | 3090.7 | 3711.0 | 3764.4 | 2849.4 |
| 57.5° | 1164.8 | 1140.1 | 1280.8 | 1451.8 | 1729.4 | 2111.5 | 2440.3 | 2973.9 | 3648.4 | 3647.6 | 2788.3 |
| 60° | 708.5 | 683.7 | 792.0 | 892.6 | 1048.0 | 1300.2 | 1649.0 | 2368.3 | 3084.5 | 3149.5 | 2257.7 |
| 62.5° | 421.5 | 437.0 | 543.7 | 604.8 | 655.1 | 681.4 | 853.1 | 1407.7 | 2058.2 | 2104.6 | 1400.7 |
| 65° | 280.8 | 286.2 | 366.6 | 467.2 | 489.6 | 389.8 | 347.3 | 570.0 | 892.6 | 864.0 | 577.8 |
| 67.5° | 173.3 | 185.6 | 246.0 | 351.1 | 389.0 | 284.6 | 164.7 | 212.7 | 246.0 | 246.0 | 167.1 |
| 70° | 105.2 | 111.4 | 164.0 | 239.0 | 266.8 | 183.3 | 119.9 | 119.9 | 118.3 | 116.0 | 99.8 |
| 72.5° | 50.3 | 54.1 | 83.5 | 123.0 | 125.3 | 96.7 | 92.8 | 101.3 | 99.0 | 98.2 | 82.8 |
| 75° | 21.7 | 23.2 | 29.4 | 38.7 | 44.1 | 41.0 | 56.5 | 72.7 | 75.0 | 72.7 | 59.6 |
| 77.5° | 7.0 | 7.7 | 10.8 | 13.9 | 14.7 | 17.8 | 24.0 | 30.2 | 34.8 | 32.5 | 29.4 |
| 80° | 0.8 | 1.5 | 3.1 | 7.0 | 10.8 | 13.9 | 17.8 | 20.1 | 22.4 | 22.4 | 20.9 |
| 82.5° | 0.8 | 0.8 | 3.1 | 6.2 | 10.1 | 13.1 | 17.0 | 19.3 | 22.4 | 23.2 | 21.7 |
| 85° | 0.0 | 0.8 | 2.3 | 5.4 | 8.5 | 8.5 | 7.7 | 7.7 | 5.4 | 5.4 | 5.4 |
| 87.5° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 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: P526627

CATALOG NUMBER: GLAN-SA1C-750-U-T2-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 698.4 | 698.4 | 698.4 | 698.4 | 698.4 | 698.4 | 698.4 | 698.4 | 698.4 | 698.4 | 698.4 |
| 2.5° | 704.6 | 703.1 | 682.2 | 669.0 | 662.1 | 648.2 | 639.6 | 633.5 | 628.8 | 623.4 | 624.2 |
| 5° | 713.9 | 708.5 | 673.7 | 649.7 | 621.1 | 605.6 | 592.5 | 581.6 | 574.7 | 573.1 | 570.0 |
| 7.5° | 740.2 | 711.6 | 659.0 | 615.7 | 579.3 | 563.8 | 552.2 | 545.3 | 548.4 | 541.4 | 546.8 |
| 10° | 760.3 | 717.8 | 641.2 | 578.5 | 542.2 | 530.6 | 524.4 | 529.8 | 537.6 | 534.5 | 530.6 |
| 12.5° | 785.1 | 724.0 | 612.6 | 543.0 | 508.9 | 500.4 | 511.3 | 521.3 | 536.8 | 543.0 | 535.2 |
| 15° | 812.9 | 730.9 | 576.2 | 502.0 | 480.3 | 487.3 | 505.8 | 523.6 | 539.1 | 546.8 | 551.5 |
| 17.5° | 846.9 | 728.6 | 540.6 | 469.5 | 453.2 | 473.4 | 495.8 | 512.0 | 535.2 | 546.8 | 543.7 |
| 20° | 878.6 | 720.9 | 501.2 | 437.0 | 437.8 | 456.3 | 474.9 | 501.2 | 513.6 | 529.0 | 523.6 |
| 22.5° | 908.8 | 706.9 | 460.2 | 414.6 | 414.6 | 443.2 | 452.5 | 469.5 | 480.3 | 488.1 | 487.3 |
| 25° | 951.4 | 680.6 | 426.2 | 392.9 | 402.2 | 420.8 | 428.5 | 433.9 | 429.3 | 435.5 | 436.2 |
| 27.5° | 981.5 | 653.6 | 398.3 | 373.6 | 390.6 | 404.5 | 402.2 | 399.1 | 388.3 | 379.8 | 385.2 |
| 30° | 1014.0 | 621.9 | 374.4 | 360.4 | 369.7 | 382.1 | 372.8 | 363.5 | 346.5 | 332.6 | 333.4 |
| 32.5° | 1060.4 | 607.2 | 353.5 | 345.0 | 357.3 | 358.9 | 348.8 | 334.9 | 317.9 | 304.7 | 304.0 |
| 35° | 1147.0 | 597.9 | 335.7 | 334.9 | 337.2 | 338.0 | 327.9 | 310.9 | 304.0 | 293.1 | 297.0 |
| 37.5° | 1233.7 | 593.2 | 323.3 | 320.2 | 319.4 | 320.2 | 308.6 | 292.4 | 305.5 | 304.7 | 306.3 |
| 40° | 1344.3 | 614.1 | 305.5 | 301.6 | 302.4 | 302.4 | 287.7 | 283.1 | 306.3 | 308.6 | 309.4 |
| 42.5° | 1456.4 | 640.4 | 293.9 | 281.5 | 284.6 | 284.6 | 276.9 | 271.5 | 287.7 | 272.3 | 269.9 |
| 45° | 1553.9 | 679.1 | 281.5 | 261.4 | 269.2 | 273.0 | 270.7 | 261.4 | 251.4 | 225.1 | 225.1 |
| 47.5° | 1585.6 | 713.1 | 266.8 | 242.1 | 248.3 | 265.3 | 258.3 | 239.0 | 221.2 | 199.6 | 198.0 |
| 50° | 1641.3 | 750.3 | 255.2 | 219.7 | 232.8 | 253.7 | 246.7 | 227.4 | 207.3 | 191.8 | 192.6 |
| 52.5° | 1698.5 | 792.8 | 233.6 | 193.4 | 209.6 | 244.4 | 244.4 | 222.8 | 191.8 | 181.0 | 179.4 |
| 55° | 1784.4 | 791.2 | 194.9 | 158.6 | 187.2 | 230.5 | 234.4 | 199.6 | 171.7 | 163.2 | 163.2 |
| 56° | 1796.7 | 755.7 | 175.6 | 148.5 | 177.1 | 226.6 | 227.4 | 193.4 | 164.0 | 154.7 | 154.7 |
| 57.5° | 1703.9 | 682.2 | 153.9 | 136.1 | 164.7 | 219.7 | 220.4 | 187.9 | 157.8 | 144.6 | 143.1 |
| 60° | 1311.0 | 461.8 | 128.4 | 121.4 | 149.3 | 198.0 | 201.9 | 170.9 | 138.4 | 128.4 | 127.6 |
| 62.5° | 740.2 | 256.0 | 112.9 | 109.8 | 128.4 | 168.6 | 180.2 | 149.3 | 117.6 | 112.2 | 113.7 |
| 65° | 338.0 | 140.8 | 95.1 | 88.9 | 103.6 | 129.9 | 145.4 | 123.0 | 96.7 | 90.5 | 90.5 |
| 67.5° | 123.8 | 95.9 | 81.2 | 70.4 | 72.7 | 84.3 | 94.4 | 79.7 | 64.2 | 54.9 | 57.2 |
| 70° | 88.2 | 80.4 | 71.2 | 61.1 | 56.5 | 54.9 | 54.1 | 44.9 | 31.7 | 24.8 | 26.3 |
| 72.5° | 71.2 | 66.5 | 59.6 | 51.8 | 44.1 | 37.1 | 31.7 | 23.2 | 14.7 | 10.1 | 9.3 |
| 75° | 51.0 | 48.7 | 43.3 | 37.1 | 30.9 | 26.3 | 21.7 | 14.7 | 7.7 | 3.9 | 3.9 |
| 77.5° | 26.3 | 26.3 | 25.5 | 23.2 | 19.3 | 15.5 | 12.4 | 8.5 | 4.6 | 1.5 | 1.5 |
| 80° | 20.1 | 21.7 | 22.4 | 20.1 | 17.8 | 13.9 | 10.1 | 6.2 | 3.1 | 0.8 | 0.8 |
| 82.5° | 19.3 | 22.4 | 24.0 | 20.9 | 17.8 | 13.1 | 10.1 | 6.2 | 3.1 | 0.8 | 0.8 |
| 85° | 4.6 | 4.6 | 7.0 | 7.7 | 10.1 | 10.8 | 8.5 | 5.4 | 2.3 | 0.8 | 0.8 |
| 87.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.8 | 0.8 | 0.8 | 0.8 | 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)