

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: McGRAW-EDISON

Report Number: P527355

Luminaire Tested: **GALN-SA2B-760-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527355
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: McGRAW-EDISON
Catalog Number: GALN-SA2B-760-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6750 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

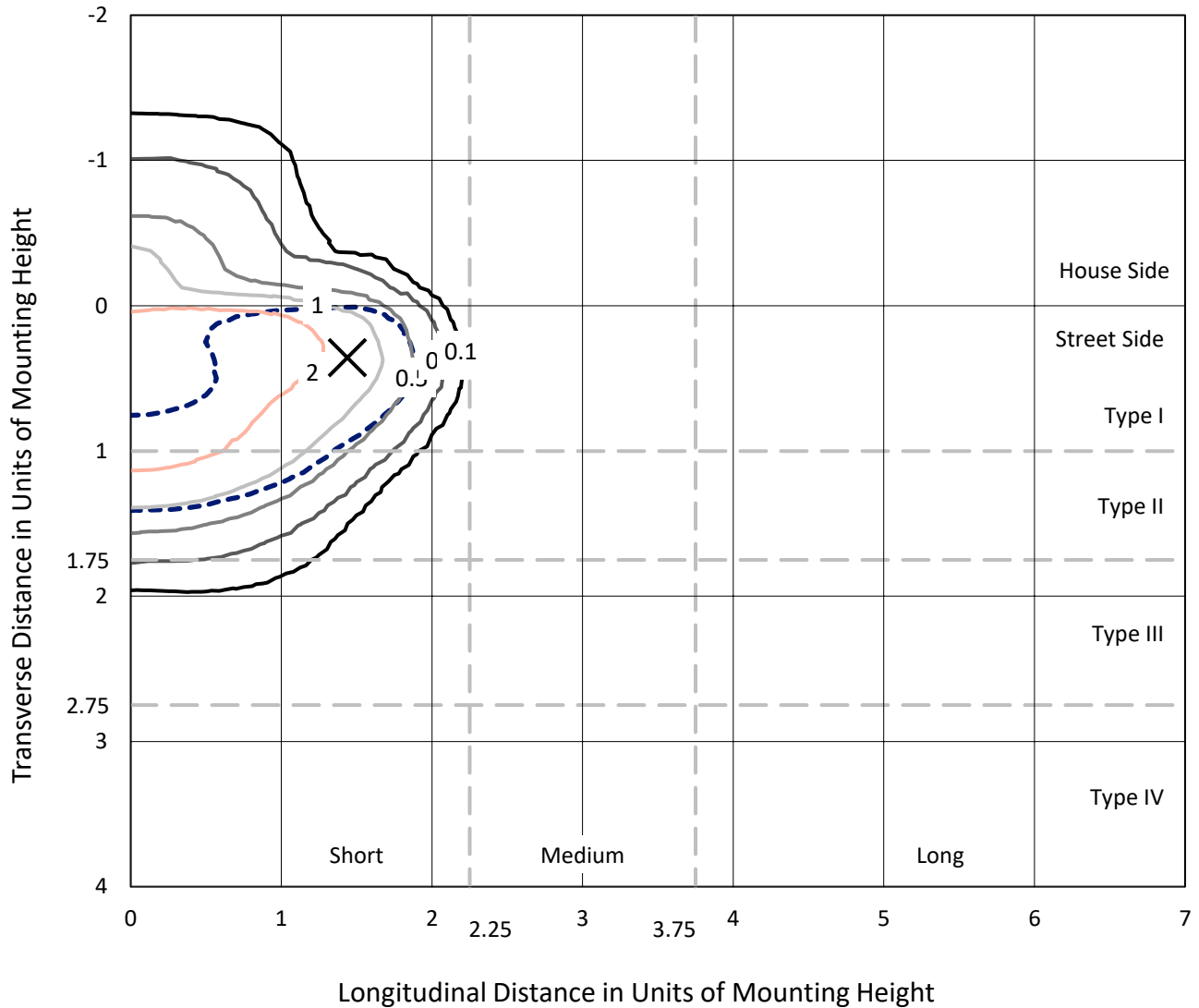
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527355
 CATALOG NUMBER: GALN-SA2B-760-U-T2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

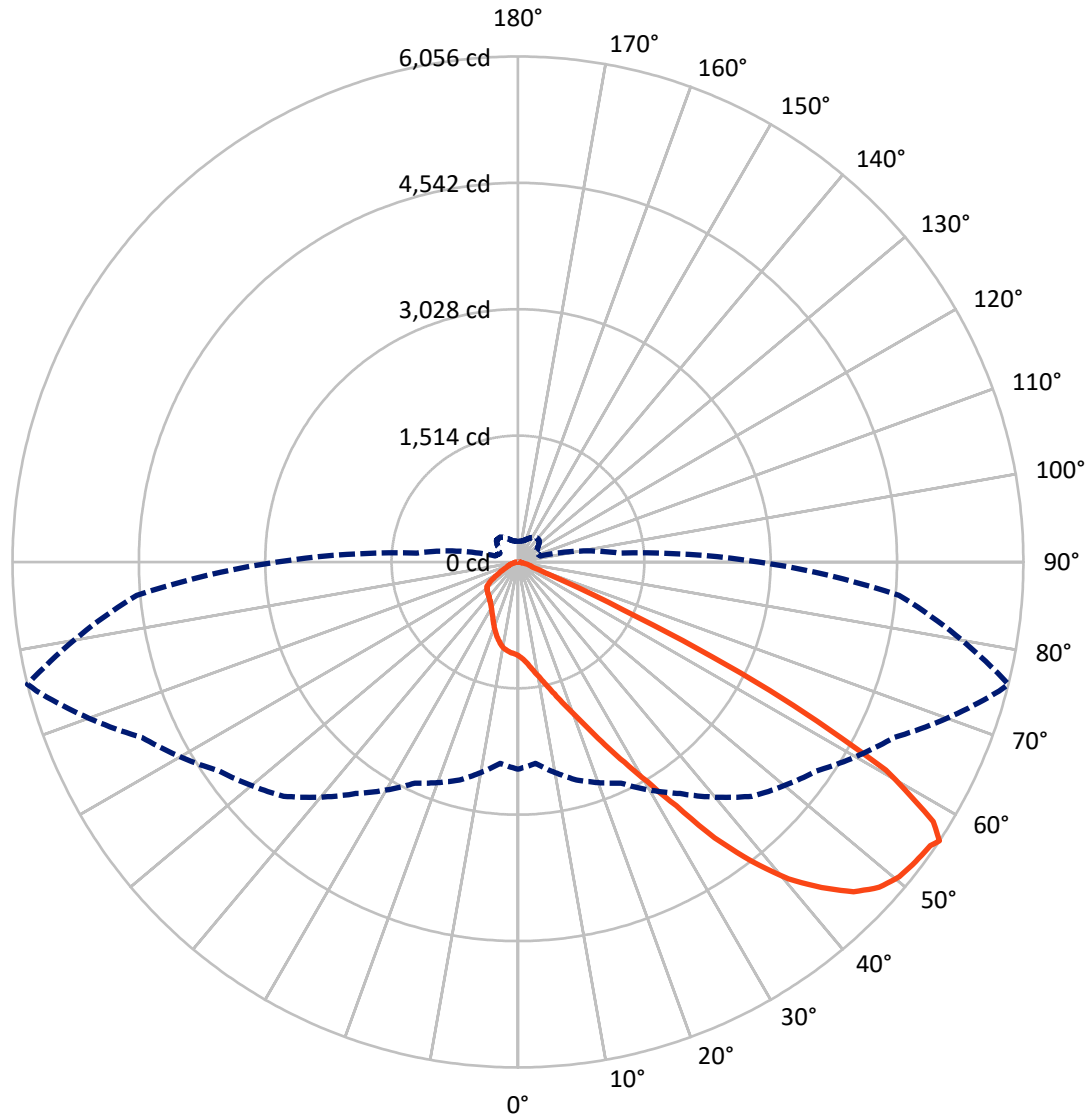
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - N/A

REPORT NUMBER: P527355
CATALOG NUMBER: GALN-SA2B-760-U-T2-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P527355
 CATALOG NUMBER: GALN-SA2B-760-U-T2-GRSBK

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1060.4 | 0.0 | 1060.4 |
| | % Fixture | 15.7 | 0.0 | 15.7 |
| Street Side | Lumens | 5689.6 | 0.0 | 5689.6 |
| | % Fixture | 84.3 | 0.0 | 84.3 |
| Total | Lumens | 6750.0 | 0.0 | 6750.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 113.2 | 1.7 |
| 10°-20° | 363.6 | 5.4 |
| 20°-30° | 659.3 | 9.8 |
| 30°-40° | 1137.0 | 16.8 |
| 40°-50° | 1847.2 | 27.4 |
| 50°-60° | 1947.0 | 28.8 |
| 60°-70° | 594.9 | 8.8 |
| 70°-80° | 76.3 | 1.1 |
| 80°-90° | 11.6 | 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° | 6750.0 | 100.0 |
| 0°-180° | 6750.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P527355

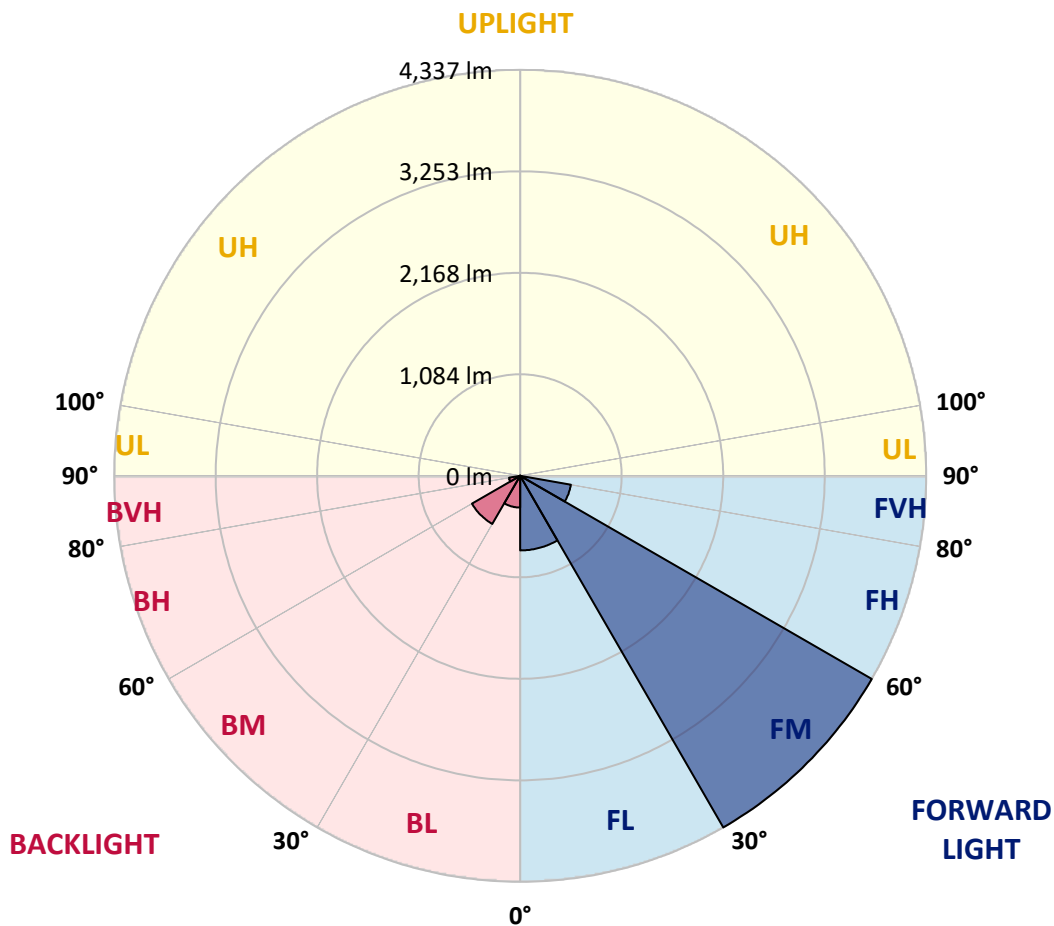
CATALOG NUMBER: GALN-SA2B-760-U-T2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 796.9 | 11.8 | | | |
| FM (30°-60°) | 4336.9 | 64.2 | | | |
| FH (60°-80°) | 550.2 | 8.2 | | | G0/660 |
| FVH (80°-90°) | 5.7 | 0.1 | | | G0/10 |
| BL (0°-30°) | 339.2 | 5.0 | B1/500 | | |
| BM (30°-60°) | 594.3 | 8.8 | B1/1000 | | |
| BH (60°-80°) | 121.0 | 1.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 5.9 | 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-G1

Type II Short





REPORT NUMBER: P527355

CATALOG NUMBER: GALN-SA2B-760-U-T2-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 76° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1123.5 | 1123.5 | 1123.5 | 1123.5 | 1123.5 | 1123.5 | 1123.5 | 1123.5 | 1123.5 | 1123.5 | 1123.5 |
| 2.5° | 1294.0 | 1264.1 | 1265.4 | 1262.9 | 1259.2 | 1245.5 | 1204.4 | 1198.2 | 1170.8 | 1163.4 | 1138.5 |
| 5° | 1449.5 | 1423.4 | 1438.3 | 1415.9 | 1394.8 | 1382.3 | 1315.2 | 1284.1 | 1240.5 | 1224.3 | 1189.5 |
| 7.5° | 1546.6 | 1534.1 | 1529.2 | 1530.4 | 1510.5 | 1479.4 | 1449.5 | 1381.1 | 1322.6 | 1310.2 | 1236.8 |
| 10° | 1593.9 | 1586.4 | 1593.9 | 1590.1 | 1598.8 | 1602.6 | 1550.3 | 1509.3 | 1423.4 | 1402.3 | 1287.8 |
| 12.5° | 1605.1 | 1620.0 | 1626.2 | 1642.4 | 1663.5 | 1699.6 | 1695.9 | 1639.9 | 1525.4 | 1511.8 | 1366.2 |
| 15° | 1632.4 | 1644.9 | 1638.7 | 1664.8 | 1704.6 | 1765.6 | 1797.9 | 1789.2 | 1666.0 | 1641.2 | 1457.0 |
| 17.5° | 1657.3 | 1634.9 | 1656.1 | 1708.3 | 1748.2 | 1841.5 | 1919.9 | 1955.9 | 1819.1 | 1790.5 | 1540.4 |
| 20° | 1690.9 | 1684.7 | 1681.0 | 1707.1 | 1778.0 | 1902.4 | 2058.0 | 2123.9 | 1990.8 | 1960.9 | 1659.8 |
| 22.5° | 1792.9 | 1794.2 | 1791.7 | 1753.1 | 1804.1 | 1944.7 | 2178.7 | 2341.7 | 2196.1 | 2171.2 | 1795.4 |
| 25° | 1927.3 | 1911.2 | 1898.7 | 1867.6 | 1861.4 | 1983.3 | 2300.6 | 2607.9 | 2442.4 | 2425.0 | 1942.3 |
| 27.5° | 2069.2 | 2069.2 | 2031.8 | 2003.2 | 1963.4 | 2079.1 | 2412.6 | 2866.7 | 2739.8 | 2716.2 | 2070.4 |
| 30° | 2223.5 | 2232.2 | 2227.2 | 2166.2 | 2141.3 | 2183.6 | 2527.0 | 3197.7 | 3080.7 | 3050.9 | 2281.9 |
| 32.5° | 2451.2 | 2432.5 | 2453.6 | 2402.6 | 2329.2 | 2366.5 | 2707.5 | 3493.8 | 3523.7 | 3481.4 | 2559.4 |
| 35° | 2752.3 | 2741.1 | 2727.4 | 2644.0 | 2556.9 | 2586.8 | 2962.5 | 3858.4 | 4079.9 | 4058.7 | 2839.4 |
| 37.5° | 3022.3 | 3016.0 | 3004.8 | 2947.6 | 2846.8 | 2882.9 | 3252.4 | 4237.9 | 4622.3 | 4552.7 | 3235.0 |
| 40° | 3305.9 | 3339.5 | 3303.5 | 3252.4 | 3160.4 | 3240.0 | 3593.4 | 4463.1 | 5079.0 | 4994.4 | 3537.4 |
| 42.5° | 3690.4 | 3664.3 | 3680.5 | 3587.1 | 3537.4 | 3624.5 | 3935.5 | 4688.3 | 5433.6 | 5332.8 | 3858.4 |
| 45° | 4099.8 | 4101.0 | 4057.5 | 4027.6 | 3898.2 | 3992.8 | 4145.8 | 4812.7 | 5716.0 | 5637.6 | 4101.0 |
| 47.5° | 4362.3 | 4361.1 | 4408.3 | 4455.6 | 4322.5 | 4229.2 | 4288.9 | 4930.9 | 5861.6 | 5825.5 | 4189.4 |
| 50° | 4321.2 | 4333.7 | 4394.7 | 4571.3 | 4641.0 | 4515.3 | 4423.3 | 4896.1 | 5927.6 | 5923.8 | 4265.3 |
| 52.5° | 3758.8 | 3799.9 | 3901.9 | 4157.0 | 4507.9 | 4663.4 | 4563.9 | 4960.8 | 5959.9 | 5966.1 | 4378.5 |
| 55° | 2861.7 | 2884.1 | 3078.2 | 3388.1 | 3776.3 | 4308.8 | 4507.9 | 5011.8 | 5984.8 | 5996.0 | 4515.3 |
| 56° | 2482.3 | 2422.5 | 2702.5 | 2922.7 | 3386.8 | 3969.1 | 4366.0 | 4972.0 | 5969.9 | 6055.7 | 4583.8 |
| 57.5° | 1873.8 | 1834.0 | 2060.5 | 2335.4 | 2782.1 | 3396.8 | 3925.6 | 4784.1 | 5869.1 | 5867.8 | 4485.5 |
| 60° | 1139.7 | 1099.9 | 1274.1 | 1435.9 | 1685.9 | 2091.6 | 2652.7 | 3809.9 | 4962.0 | 5066.5 | 3631.9 |
| 62.5° | 678.1 | 703.0 | 874.7 | 973.0 | 1053.9 | 1096.2 | 1372.4 | 2264.5 | 3310.9 | 3385.6 | 2253.3 |
| 65° | 451.7 | 460.4 | 589.8 | 751.5 | 787.6 | 627.1 | 558.7 | 917.0 | 1435.9 | 1389.8 | 929.4 |
| 67.5° | 278.7 | 298.6 | 395.7 | 564.9 | 625.9 | 457.9 | 265.0 | 342.2 | 395.7 | 395.7 | 268.8 |
| 70° | 169.2 | 179.2 | 263.8 | 384.5 | 429.3 | 294.9 | 192.9 | 192.9 | 190.4 | 186.6 | 160.5 |
| 72.5° | 80.9 | 87.1 | 134.4 | 197.8 | 201.6 | 155.5 | 149.3 | 163.0 | 159.3 | 158.0 | 133.1 |
| 75° | 34.8 | 37.3 | 47.3 | 62.2 | 70.9 | 65.9 | 90.8 | 117.0 | 120.7 | 117.0 | 95.8 |
| 77.5° | 11.2 | 12.4 | 17.4 | 22.4 | 23.6 | 28.6 | 38.6 | 48.5 | 56.0 | 52.3 | 47.3 |
| 80° | 1.2 | 2.5 | 5.0 | 11.2 | 17.4 | 22.4 | 28.6 | 32.4 | 36.1 | 36.1 | 33.6 |
| 82.5° | 1.2 | 1.2 | 5.0 | 10.0 | 16.2 | 21.2 | 27.4 | 31.1 | 36.1 | 37.3 | 34.8 |
| 85° | 0.0 | 1.2 | 3.7 | 8.7 | 13.7 | 13.7 | 12.4 | 12.4 | 8.7 | 8.7 | 8.7 |
| 87.5° | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 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: P527355

CATALOG NUMBER: GALN-SA2B-760-U-T2-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1123.5 | 1123.5 | 1123.5 | 1123.5 | 1123.5 | 1123.5 | 1123.5 | 1123.5 | 1123.5 | 1123.5 | 1123.5 |
| 2.5° | 1133.5 | 1131.0 | 1097.4 | 1076.3 | 1065.1 | 1042.7 | 1029.0 | 1019.0 | 1011.6 | 1002.9 | 1004.1 |
| 5° | 1148.4 | 1139.7 | 1083.7 | 1045.2 | 999.1 | 974.2 | 953.1 | 935.7 | 924.5 | 922.0 | 917.0 |
| 7.5° | 1190.7 | 1144.7 | 1060.1 | 990.4 | 931.9 | 907.1 | 888.4 | 877.2 | 882.2 | 871.0 | 879.7 |
| 10° | 1223.1 | 1154.7 | 1031.5 | 930.7 | 872.2 | 853.5 | 843.6 | 852.3 | 864.7 | 859.8 | 853.5 |
| 12.5° | 1262.9 | 1164.6 | 985.4 | 873.5 | 818.7 | 805.0 | 822.4 | 838.6 | 863.5 | 873.5 | 861.0 |
| 15° | 1307.7 | 1175.8 | 927.0 | 807.5 | 772.7 | 783.9 | 813.7 | 842.3 | 867.2 | 879.7 | 887.1 |
| 17.5° | 1362.4 | 1172.1 | 869.7 | 755.3 | 729.1 | 761.5 | 797.6 | 823.7 | 861.0 | 879.7 | 874.7 |
| 20° | 1413.5 | 1159.6 | 806.3 | 703.0 | 704.2 | 734.1 | 764.0 | 806.3 | 826.2 | 851.1 | 842.3 |
| 22.5° | 1462.0 | 1137.2 | 740.3 | 666.9 | 666.9 | 712.9 | 727.9 | 755.3 | 772.7 | 785.1 | 783.9 |
| 25° | 1530.4 | 1094.9 | 685.6 | 632.1 | 647.0 | 676.9 | 689.3 | 698.0 | 690.6 | 700.5 | 701.8 |
| 27.5° | 1578.9 | 1051.4 | 640.8 | 601.0 | 628.3 | 650.7 | 647.0 | 642.0 | 624.6 | 610.9 | 619.6 |
| 30° | 1631.2 | 1000.4 | 602.2 | 579.8 | 594.7 | 614.7 | 599.7 | 584.8 | 557.4 | 535.0 | 536.3 |
| 32.5° | 1705.9 | 976.7 | 568.6 | 554.9 | 574.8 | 577.3 | 561.2 | 538.8 | 511.4 | 490.2 | 489.0 |
| 35° | 1845.2 | 961.8 | 540.0 | 538.8 | 542.5 | 543.7 | 527.6 | 500.2 | 489.0 | 471.6 | 477.8 |
| 37.5° | 1984.6 | 954.3 | 520.1 | 515.1 | 513.9 | 515.1 | 496.5 | 470.3 | 491.5 | 490.2 | 492.7 |
| 40° | 2162.5 | 987.9 | 491.5 | 485.3 | 486.5 | 486.5 | 462.9 | 455.4 | 492.7 | 496.5 | 497.7 |
| 42.5° | 2342.9 | 1030.2 | 472.8 | 452.9 | 457.9 | 457.9 | 445.4 | 436.7 | 462.9 | 438.0 | 434.2 |
| 45° | 2499.7 | 1092.4 | 452.9 | 420.6 | 433.0 | 439.2 | 435.5 | 420.6 | 404.4 | 362.1 | 362.1 |
| 47.5° | 2550.7 | 1147.2 | 429.3 | 389.4 | 399.4 | 426.8 | 415.6 | 384.5 | 355.9 | 321.0 | 318.5 |
| 50° | 2640.3 | 1206.9 | 410.6 | 353.4 | 374.5 | 408.1 | 396.9 | 365.8 | 333.5 | 308.6 | 309.8 |
| 52.5° | 2732.3 | 1275.3 | 375.8 | 311.1 | 337.2 | 393.2 | 393.2 | 358.3 | 308.6 | 291.2 | 288.7 |
| 55° | 2870.5 | 1272.9 | 313.5 | 255.1 | 301.1 | 370.8 | 377.0 | 321.0 | 276.2 | 262.5 | 262.5 |
| 56° | 2890.4 | 1215.6 | 282.4 | 238.9 | 284.9 | 364.6 | 365.8 | 311.1 | 263.8 | 248.8 | 248.8 |
| 57.5° | 2741.1 | 1097.4 | 247.6 | 219.0 | 265.0 | 353.4 | 354.6 | 302.4 | 253.8 | 232.7 | 230.2 |
| 60° | 2109.0 | 742.8 | 206.5 | 195.3 | 240.1 | 318.5 | 324.7 | 275.0 | 222.7 | 206.5 | 205.3 |
| 62.5° | 1190.7 | 411.8 | 181.7 | 176.7 | 206.5 | 271.2 | 289.9 | 240.1 | 189.1 | 180.4 | 182.9 |
| 65° | 543.7 | 226.5 | 153.0 | 143.1 | 166.7 | 209.0 | 233.9 | 197.8 | 155.5 | 145.6 | 145.6 |
| 67.5° | 199.1 | 154.3 | 130.6 | 113.2 | 117.0 | 135.6 | 151.8 | 128.2 | 103.3 | 88.3 | 92.1 |
| 70° | 141.8 | 129.4 | 114.5 | 98.3 | 90.8 | 88.3 | 87.1 | 72.2 | 51.0 | 39.8 | 42.3 |
| 72.5° | 114.5 | 107.0 | 95.8 | 83.4 | 70.9 | 59.7 | 51.0 | 37.3 | 23.6 | 16.2 | 14.9 |
| 75° | 82.1 | 78.4 | 69.7 | 59.7 | 49.8 | 42.3 | 34.8 | 23.6 | 12.4 | 6.2 | 6.2 |
| 77.5° | 42.3 | 42.3 | 41.1 | 37.3 | 31.1 | 24.9 | 19.9 | 13.7 | 7.5 | 2.5 | 2.5 |
| 80° | 32.4 | 34.8 | 36.1 | 32.4 | 28.6 | 22.4 | 16.2 | 10.0 | 5.0 | 1.2 | 1.2 |
| 82.5° | 31.1 | 36.1 | 38.6 | 33.6 | 28.6 | 21.2 | 16.2 | 10.0 | 5.0 | 1.2 | 1.2 |
| 85° | 7.5 | 7.5 | 11.2 | 12.4 | 16.2 | 17.4 | 13.7 | 8.7 | 3.7 | 1.2 | 1.2 |
| 87.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 1.2 | 1.2 | 1.2 | 1.2 | 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)