

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: P531243

Luminaire Tested: **GLAN-SA6C-735-U-AFL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-27)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-735-U-AFL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28971 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

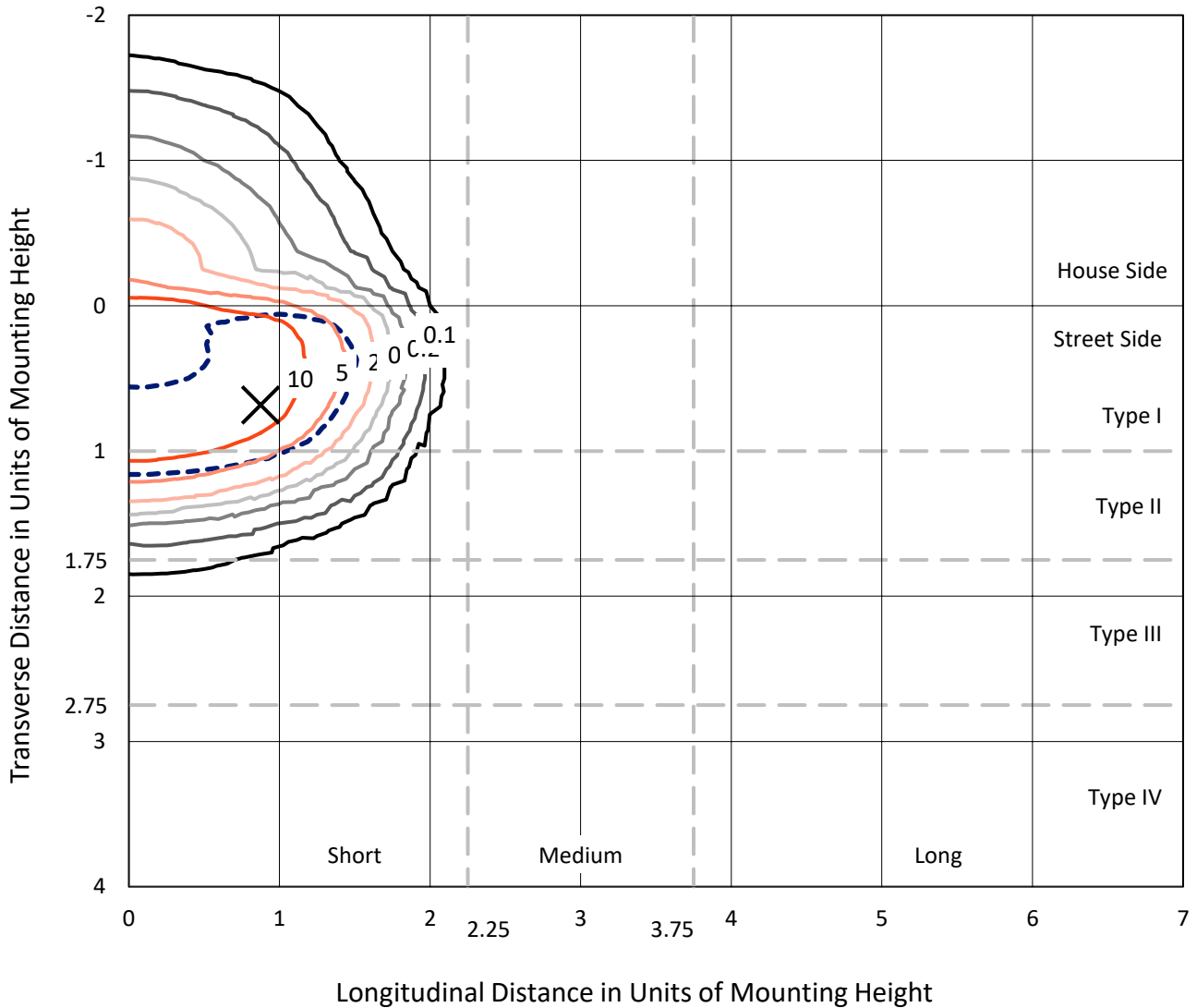
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

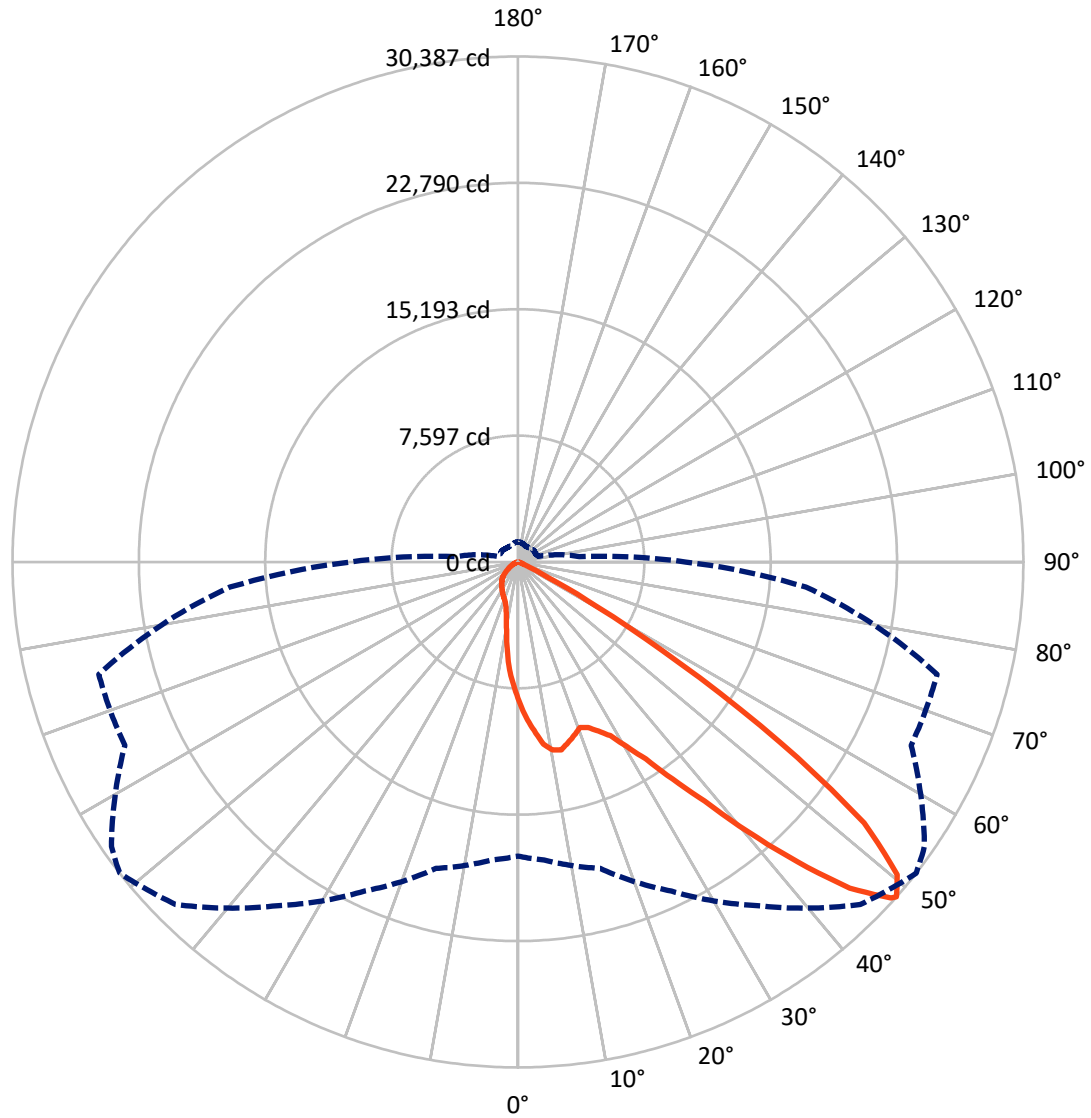
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral - - - Horizontal Cone Through 48-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3527.5 | 0.0 | 3527.5 |
| | % Fixture | 12.2 | 0.0 | 12.2 |
| Street Side | Lumens | 25443.6 | 0.0 | 25443.6 |
| | % Fixture | 87.8 | 0.0 | 87.8 |
| Total | Lumens | 28971.0 | 0.0 | 28971.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 765.8 | 2.6 |
| 10°-20° | 2001.2 | 6.9 |
| 20°-30° | 3416.9 | 11.8 |
| 30°-40° | 6292.2 | 21.7 |
| 40°-50° | 9771.7 | 33.7 |
| 50°-60° | 5880.9 | 20.3 |
| 60°-70° | 680.2 | 2.3 |
| 70°-80° | 131.7 | 0.5 |
| 80°-90° | 30.4 | 0.1 |
| 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° | 28971.0 | 100.0 |
| 0°-180° | 28971.0 | 100.0 |

Coefficient of Utilization



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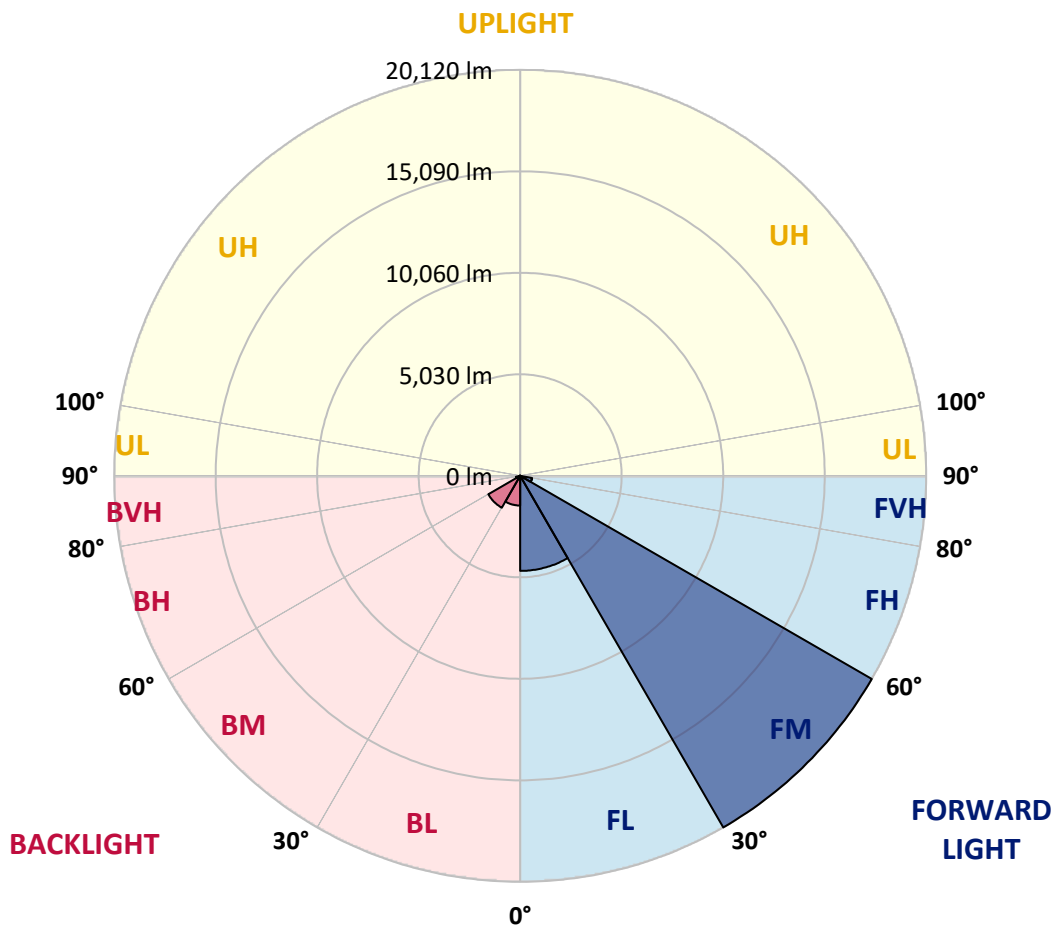
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 4710.3 | 16.3 | | | |
| FM (30°-60°) | 20119.8 | 69.4 | | | |
| FH (60°-80°) | 599.0 | 2.1 | | | G0/660 |
| FVH (80°-90°) | 14.5 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1473.5 | 5.1 | B3/2500 | | |
| BM (30°-60°) | 1825.1 | 6.3 | B2/2500 | | |
| BH (60°-80°) | 212.9 | 0.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 16.0 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 52° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 8366.3 | 8366.3 | 8366.3 | 8366.3 | 8366.3 | 8366.3 | 8366.3 | 8366.3 | 8366.3 | 8366.3 | 8366.3 |
| 2.5° | 10140.1 | 9907.8 | 9929.0 | 9776.9 | 9688.2 | 9544.6 | 9350.4 | 9312.4 | 9101.2 | 8814.0 | 8522.6 |
| 5° | 11052.4 | 10997.5 | 11069.3 | 10849.6 | 10858.1 | 10621.6 | 10165.5 | 10173.9 | 9688.2 | 9219.4 | 8767.6 |
| 7.5° | 11111.5 | 10984.8 | 11056.6 | 11250.9 | 11364.9 | 11322.6 | 11065.0 | 10841.2 | 10380.9 | 9692.5 | 9033.6 |
| 10° | 9950.1 | 10190.8 | 10266.8 | 10587.8 | 11043.9 | 11525.4 | 11495.8 | 11508.5 | 11124.2 | 10224.6 | 9261.7 |
| 12.5° | 9253.2 | 9092.8 | 9350.4 | 9544.6 | 10233.0 | 11166.4 | 11592.9 | 11685.9 | 11715.4 | 10739.8 | 9489.7 |
| 15° | 8936.5 | 8936.5 | 8978.7 | 9033.6 | 9532.0 | 10393.5 | 11263.5 | 11533.8 | 12171.5 | 11415.6 | 9848.7 |
| 17.5° | 9135.0 | 9126.5 | 9185.7 | 9071.6 | 9257.5 | 9920.5 | 10959.4 | 11267.7 | 12682.5 | 12078.6 | 10131.7 |
| 20° | 9738.9 | 9768.5 | 9730.5 | 9401.1 | 9413.7 | 9912.1 | 10621.6 | 11107.3 | 13028.9 | 12653.0 | 10507.6 |
| 22.5° | 10579.3 | 10596.2 | 10380.9 | 10021.9 | 9916.3 | 10161.2 | 10815.9 | 11187.5 | 13307.6 | 13341.4 | 10621.6 |
| 25° | 11550.7 | 11483.1 | 11440.9 | 10934.1 | 10613.1 | 10824.3 | 11255.1 | 11470.5 | 13480.8 | 13932.6 | 10946.8 |
| 27.5° | 12897.9 | 12762.8 | 12505.2 | 12053.3 | 11816.8 | 11516.9 | 11825.2 | 12180.0 | 13974.9 | 14760.4 | 11301.5 |
| 30° | 14887.1 | 14768.9 | 14266.3 | 13683.5 | 13062.6 | 12767.0 | 12864.2 | 13058.4 | 14866.0 | 15719.1 | 11770.3 |
| 32.5° | 17881.4 | 17632.2 | 16905.8 | 15795.1 | 14950.5 | 14135.4 | 14110.0 | 14317.0 | 15664.2 | 17045.2 | 12327.8 |
| 35° | 21179.8 | 21103.8 | 20035.3 | 18890.8 | 17256.4 | 15997.8 | 16019.0 | 16128.8 | 17193.0 | 18785.2 | 13058.4 |
| 37.5° | 23371.7 | 23789.8 | 23109.9 | 21880.9 | 20508.3 | 18709.2 | 18253.1 | 18291.1 | 19292.0 | 20846.2 | 14376.1 |
| 40° | 25065.2 | 24710.5 | 24790.7 | 24503.5 | 23566.0 | 22341.2 | 21331.9 | 21133.4 | 21720.4 | 23126.8 | 15685.3 |
| 42.5° | 24326.2 | 24343.1 | 24837.2 | 25517.1 | 25749.4 | 25660.7 | 24630.2 | 24254.4 | 23798.3 | 24993.4 | 16931.2 |
| 45° | 22239.9 | 22674.9 | 23316.8 | 25115.9 | 26695.4 | 28177.8 | 27975.1 | 27350.0 | 25234.2 | 26471.6 | 17649.1 |
| 47.5° | 18911.9 | 18895.0 | 19946.6 | 22286.3 | 25795.9 | 29267.4 | 30188.1 | 29748.9 | 26252.0 | 26306.9 | 17501.3 |
| 48° | 17682.9 | 17987.0 | 19072.4 | 21826.0 | 25225.7 | 29106.9 | 30386.6 | 29833.3 | 26078.8 | 26087.3 | 17374.6 |
| 50° | 13071.1 | 13016.2 | 14367.6 | 17746.3 | 22531.3 | 27350.0 | 29550.4 | 29981.2 | 26074.6 | 24976.6 | 16487.7 |
| 52.5° | 6905.1 | 7141.6 | 8125.6 | 11157.9 | 15930.3 | 22383.5 | 26066.2 | 26737.7 | 25153.9 | 23160.5 | 15212.3 |
| 55° | 2935.2 | 2652.2 | 3408.2 | 5038.4 | 8961.8 | 14954.7 | 19123.1 | 20618.1 | 21268.5 | 20495.6 | 13307.6 |
| 57.5° | 1047.4 | 1144.5 | 1317.7 | 1896.3 | 3767.2 | 8184.7 | 11402.9 | 12564.3 | 14735.1 | 15039.1 | 9067.4 |
| 60° | 671.5 | 684.2 | 739.1 | 870.0 | 1414.8 | 3154.8 | 5410.0 | 6334.9 | 7319.0 | 7555.5 | 4231.7 |
| 62.5° | 519.5 | 523.7 | 549.0 | 570.1 | 671.5 | 1224.8 | 2031.4 | 2407.3 | 2500.2 | 2149.7 | 1110.7 |
| 65° | 435.0 | 439.2 | 447.7 | 447.7 | 477.2 | 574.4 | 709.5 | 781.3 | 760.2 | 751.7 | 629.3 |
| 67.5° | 333.6 | 342.1 | 359.0 | 359.0 | 375.9 | 350.5 | 392.8 | 418.1 | 473.0 | 574.4 | 536.4 |
| 70° | 261.8 | 266.1 | 278.7 | 287.2 | 287.2 | 253.4 | 283.0 | 308.3 | 346.3 | 426.6 | 422.3 |
| 72.5° | 202.7 | 211.2 | 219.6 | 219.6 | 206.9 | 173.2 | 202.7 | 223.8 | 249.2 | 295.6 | 287.2 |
| 75° | 156.3 | 156.3 | 160.5 | 130.9 | 101.4 | 88.7 | 122.5 | 147.8 | 185.8 | 194.3 | 160.5 |
| 77.5° | 42.2 | 46.5 | 42.2 | 38.0 | 42.2 | 63.3 | 80.2 | 92.9 | 118.3 | 118.3 | 105.6 |
| 80° | 0.0 | 4.2 | 12.7 | 25.3 | 42.2 | 59.1 | 71.8 | 80.2 | 92.9 | 101.4 | 97.1 |
| 82.5° | 0.0 | 4.2 | 12.7 | 25.3 | 38.0 | 46.5 | 63.3 | 67.6 | 76.0 | 88.7 | 88.7 |
| 85° | 0.0 | 4.2 | 8.4 | 16.9 | 25.3 | 29.6 | 29.6 | 25.3 | 25.3 | 21.1 | 16.9 |
| 87.5° | 0.0 | 0.0 | 4.2 | 8.4 | 8.4 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 |
| 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-SA6C-735-U-AFL-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8366.3 | 8366.3 | 8366.3 | 8366.3 | 8366.3 | 8366.3 | 8366.3 | 8366.3 | 8366.3 | 8366.3 | 8366.3 |
| 2.5° | 8408.6 | 8277.7 | 8079.2 | 7766.6 | 7466.8 | 7272.5 | 7086.7 | 6879.7 | 6765.7 | 6757.3 | 6693.9 |
| 5° | 8509.9 | 8214.3 | 7741.3 | 7204.9 | 6630.6 | 6136.4 | 5638.1 | 5312.9 | 5021.5 | 4861.0 | 4831.4 |
| 7.5° | 8564.8 | 8180.5 | 7416.1 | 6516.5 | 5536.7 | 4730.1 | 4172.6 | 3763.0 | 3602.5 | 3484.2 | 3480.0 |
| 10° | 8678.9 | 8121.4 | 6930.4 | 5604.3 | 4392.2 | 3577.1 | 3192.8 | 3007.0 | 2918.3 | 2884.5 | 2833.8 |
| 12.5° | 8763.3 | 8011.6 | 6432.1 | 4666.7 | 3471.5 | 2964.8 | 2795.8 | 2753.6 | 2757.8 | 2774.7 | 2753.6 |
| 15° | 8881.6 | 7914.5 | 5760.6 | 3830.5 | 2914.1 | 2669.1 | 2669.1 | 2677.6 | 2736.7 | 2745.1 | 2740.9 |
| 17.5° | 8873.1 | 7724.4 | 5068.0 | 3154.8 | 2576.2 | 2542.4 | 2555.1 | 2635.3 | 2673.3 | 2686.0 | 2656.5 |
| 20° | 8974.5 | 7547.0 | 4354.2 | 2694.5 | 2386.2 | 2436.8 | 2521.3 | 2542.4 | 2588.9 | 2597.3 | 2563.5 |
| 22.5° | 8944.9 | 7103.6 | 3691.2 | 2331.3 | 2242.6 | 2339.7 | 2424.2 | 2449.5 | 2436.8 | 2411.5 | 2407.3 |
| 25° | 8890.0 | 6723.5 | 3083.0 | 2090.5 | 2137.0 | 2242.6 | 2322.8 | 2276.4 | 2251.0 | 2255.2 | 2259.5 |
| 27.5° | 8792.9 | 6242.0 | 2580.4 | 1921.6 | 1993.4 | 2149.7 | 2145.4 | 2128.5 | 2153.9 | 2132.8 | 2153.9 |
| 30° | 8776.0 | 5760.6 | 2166.5 | 1769.6 | 1887.8 | 2001.8 | 2010.3 | 2039.9 | 2069.4 | 2031.4 | 2069.4 |
| 32.5° | 8801.3 | 5232.7 | 1870.9 | 1676.6 | 1824.5 | 1828.7 | 1921.6 | 1951.2 | 1930.0 | 1845.6 | 1854.0 |
| 35° | 8995.6 | 4827.2 | 1655.5 | 1626.0 | 1723.1 | 1727.3 | 1816.0 | 1778.0 | 1685.1 | 1634.4 | 1664.0 |
| 37.5° | 9405.3 | 4489.4 | 1554.2 | 1579.5 | 1588.0 | 1642.9 | 1647.1 | 1571.1 | 1579.5 | 1575.3 | 1592.2 |
| 40° | 9929.0 | 4231.7 | 1482.4 | 1537.3 | 1528.8 | 1566.8 | 1414.8 | 1457.0 | 1495.0 | 1507.7 | 1516.2 |
| 42.5° | 10287.9 | 4045.9 | 1435.9 | 1469.7 | 1452.8 | 1385.2 | 1300.8 | 1343.0 | 1372.6 | 1419.0 | 1427.5 |
| 45° | 10448.4 | 3898.1 | 1381.0 | 1351.5 | 1351.5 | 1229.0 | 1195.2 | 1203.6 | 1271.2 | 1321.9 | 1313.4 |
| 47.5° | 10186.6 | 3754.5 | 1283.9 | 1195.2 | 1224.8 | 1123.4 | 1085.4 | 1085.4 | 1157.2 | 1220.5 | 1207.9 |
| 48° | 10085.2 | 3695.4 | 1288.1 | 1161.4 | 1182.5 | 1106.5 | 1068.5 | 1060.0 | 1140.3 | 1199.4 | 1199.4 |
| 50° | 9582.7 | 3475.8 | 1178.3 | 1068.5 | 1026.3 | 1017.8 | 992.5 | 1000.9 | 1051.6 | 1106.5 | 1106.5 |
| 52.5° | 8602.8 | 3002.8 | 996.7 | 916.5 | 840.4 | 891.1 | 903.8 | 886.9 | 912.2 | 962.9 | 958.7 |
| 55° | 7179.6 | 2305.9 | 798.2 | 760.2 | 701.1 | 756.0 | 781.3 | 760.2 | 734.9 | 772.9 | 772.9 |
| 57.5° | 4599.2 | 1241.6 | 637.7 | 646.2 | 587.0 | 641.9 | 663.1 | 612.4 | 565.9 | 595.5 | 591.3 |
| 60° | 2073.6 | 743.3 | 523.7 | 511.0 | 473.0 | 536.4 | 570.1 | 511.0 | 447.7 | 468.8 | 489.9 |
| 62.5° | 777.1 | 527.9 | 397.0 | 388.5 | 380.1 | 439.2 | 456.1 | 409.7 | 346.3 | 359.0 | 363.2 |
| 65° | 570.1 | 464.6 | 316.7 | 287.2 | 304.1 | 346.3 | 337.9 | 291.4 | 249.2 | 249.2 | 257.6 |
| 67.5° | 485.7 | 405.4 | 257.6 | 223.8 | 223.8 | 228.1 | 211.2 | 185.8 | 173.2 | 181.6 | 190.0 |
| 70° | 380.1 | 321.0 | 202.7 | 173.2 | 156.3 | 139.4 | 122.5 | 118.3 | 105.6 | 118.3 | 114.0 |
| 72.5° | 245.0 | 215.4 | 156.3 | 130.9 | 118.3 | 97.1 | 80.2 | 76.0 | 63.3 | 59.1 | 59.1 |
| 75° | 130.9 | 130.9 | 122.5 | 105.6 | 92.9 | 76.0 | 63.3 | 50.7 | 33.8 | 25.3 | 25.3 |
| 77.5° | 92.9 | 101.4 | 109.8 | 101.4 | 84.5 | 63.3 | 50.7 | 33.8 | 16.9 | 8.4 | 8.4 |
| 80° | 88.7 | 101.4 | 109.8 | 97.1 | 84.5 | 63.3 | 46.5 | 25.3 | 12.7 | 4.2 | 4.2 |
| 82.5° | 80.2 | 92.9 | 101.4 | 88.7 | 76.0 | 54.9 | 42.2 | 25.3 | 12.7 | 4.2 | 4.2 |
| 85° | 16.9 | 21.1 | 25.3 | 25.3 | 29.6 | 38.0 | 29.6 | 21.1 | 8.4 | 4.2 | 4.2 |
| 87.5° | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 8.4 | 8.4 | 4.2 | 4.2 | 4.2 |
| 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)