

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: P530079

Luminaire Tested: **GLAN-SA5B-735-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5B-735-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15524 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

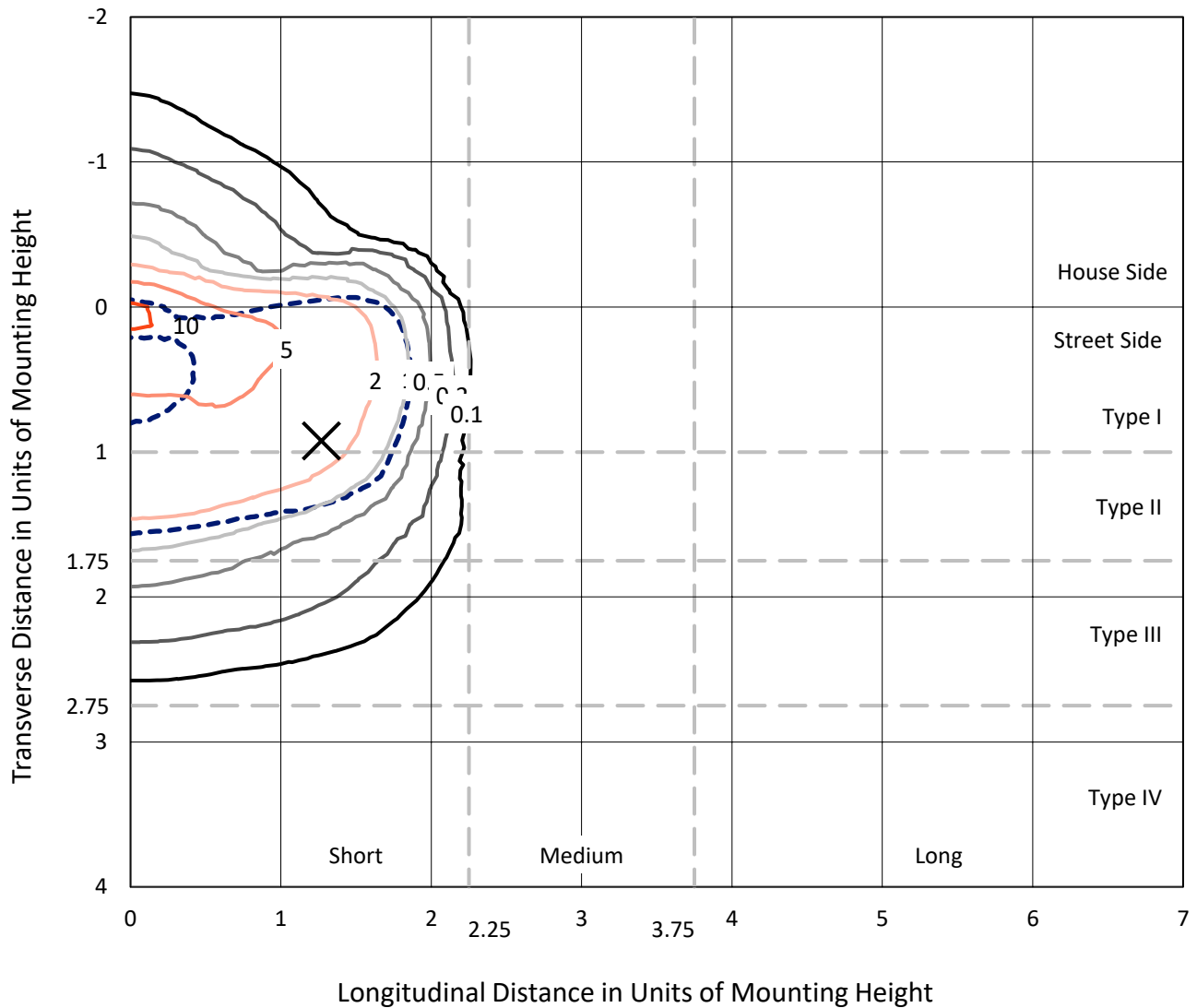
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

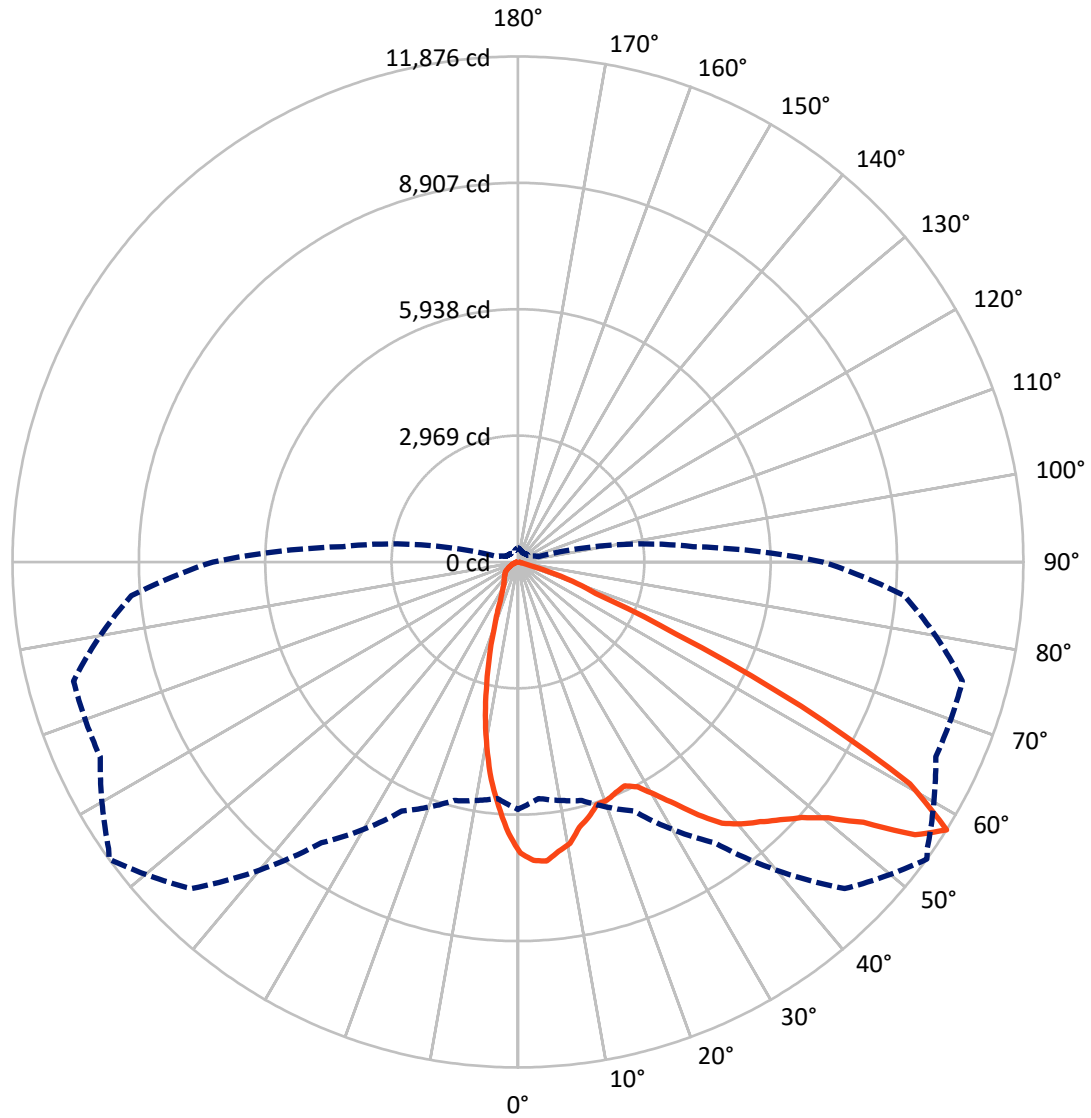
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2193.8 | 0.0 | 2193.8 |
| | % Fixture | 14.1 | 0.0 | 14.1 |
| Street Side | Lumens | 13330.2 | 0.0 | 13330.2 |
| | % Fixture | 85.9 | 0.0 | 85.9 |
| Total | Lumens | 15524.0 | 0.0 | 15524.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 572.3 | 3.7 |
| 10°-20° | 1221.8 | 7.9 |
| 20°-30° | 1619.1 | 10.4 |
| 30°-40° | 2353.0 | 15.2 |
| 40°-50° | 3489.2 | 22.5 |
| 50°-60° | 4363.0 | 28.1 |
| 60°-70° | 1721.0 | 11.1 |
| 70°-80° | 171.4 | 1.1 |
| 80°-90° | 13.3 | 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° | 15524.0 | 100.0 |
| 0°-180° | 15524.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P530079

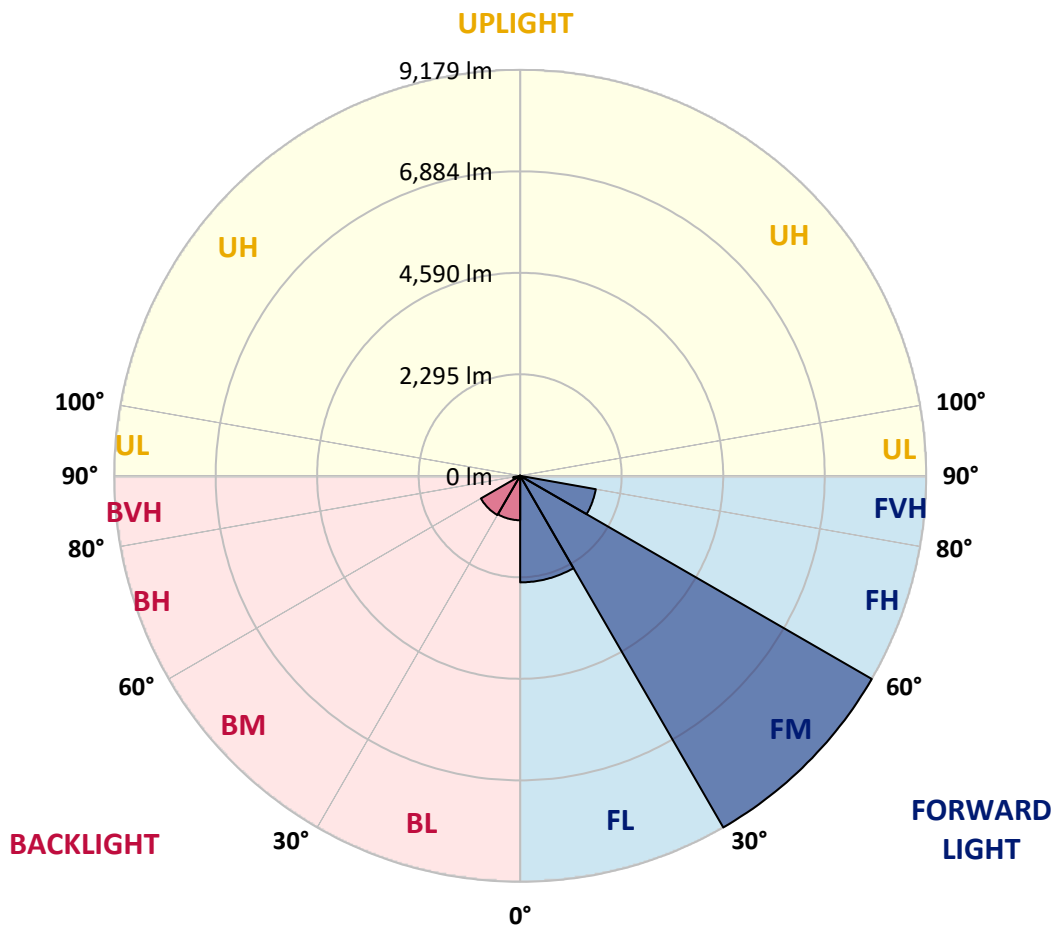
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2409.8 | 15.5 | | | |
| FM (30°-60°) | 9179.3 | 59.1 | | | |
| FH (60°-80°) | 1735.1 | 11.2 | | | G1/1800 |
| FVH (80°-90°) | 6.0 | 0.0 | | | G0/10 |
| BL (0°-30°) | 1003.3 | 6.5 | B3/2500 | | |
| BM (30°-60°) | 1025.9 | 6.6 | B2/2500 | | |
| BH (60°-80°) | 157.3 | 1.0 | B1/500 | | G1/500 |
| BVH (80°-90°) | 7.3 | 0.0 | | | G0/10 |
| 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° | 54° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|--------|
| 0° | 6838.5 | 6838.5 | 6838.5 | 6838.5 | 6838.5 | 6838.5 | 6838.5 | 6838.5 | 6838.5 | 6838.5 | 6838.5 |
| 2.5° | 7236.9 | 7161.8 | 7167.6 | 7141.6 | 7107.0 | 7133.0 | 7020.4 | 7046.4 | 7043.5 | 6890.5 | 6789.5 |
| 5° | 7055.0 | 7135.9 | 7052.1 | 7121.4 | 7055.0 | 7127.2 | 7057.9 | 7006.0 | 6922.2 | 6809.7 | 6622.0 |
| 7.5° | 6746.2 | 6668.2 | 6691.3 | 6777.9 | 6792.3 | 6954.0 | 6867.4 | 6933.8 | 6899.2 | 6676.9 | 6420.0 |
| 10° | 6125.5 | 6108.2 | 6223.7 | 6339.1 | 6480.6 | 6653.8 | 6720.2 | 6682.7 | 6656.7 | 6573.0 | 6229.4 |
| 12.5° | 5649.2 | 5698.3 | 5695.4 | 5885.9 | 6125.5 | 6223.7 | 6396.9 | 6391.1 | 6535.4 | 6379.5 | 6050.5 |
| 15° | 5196.0 | 5222.0 | 5343.2 | 5461.6 | 5727.2 | 6007.2 | 6220.8 | 6249.6 | 6422.8 | 6313.2 | 5911.9 |
| 17.5° | 4918.9 | 4881.4 | 4976.6 | 5118.1 | 5389.4 | 5756.0 | 5992.7 | 6062.0 | 6298.7 | 6275.6 | 5753.1 |
| 20° | 4644.7 | 4644.7 | 4722.6 | 4890.0 | 5138.3 | 5551.1 | 5972.5 | 5952.3 | 6298.7 | 6232.3 | 5582.8 |
| 22.5° | 4552.3 | 4598.5 | 4618.7 | 4745.7 | 5040.1 | 5395.2 | 5885.9 | 5923.5 | 6347.8 | 6212.1 | 5507.8 |
| 25° | 4679.3 | 4618.7 | 4624.5 | 4725.5 | 5002.6 | 5320.1 | 5822.4 | 5906.1 | 6437.3 | 6313.2 | 5447.2 |
| 27.5° | 4699.5 | 4760.1 | 4777.4 | 4846.7 | 5031.5 | 5343.2 | 5981.2 | 6151.5 | 6659.6 | 6549.9 | 5464.5 |
| 30° | 4875.6 | 4936.2 | 4933.3 | 5051.7 | 5178.7 | 5530.9 | 6336.2 | 6370.9 | 7118.5 | 6847.2 | 5571.3 |
| 32.5° | 5089.2 | 5152.7 | 5172.9 | 5311.5 | 5412.5 | 5874.4 | 6769.3 | 6858.7 | 7560.2 | 7314.8 | 5851.3 |
| 35° | 5354.8 | 5331.7 | 5424.1 | 5562.6 | 5779.1 | 6376.7 | 7297.5 | 7447.6 | 8036.5 | 7921.0 | 6140.0 |
| 37.5° | 5686.7 | 5657.9 | 5747.4 | 5972.5 | 6267.0 | 6971.3 | 7785.4 | 7883.5 | 8382.9 | 8483.9 | 6674.0 |
| 40° | 5920.6 | 5932.1 | 6203.5 | 6506.6 | 6818.3 | 7537.1 | 8094.2 | 8189.5 | 8625.4 | 9009.3 | 7078.1 |
| 42.5° | 6310.3 | 6382.4 | 6708.6 | 7078.1 | 7404.3 | 7961.4 | 8345.4 | 8437.7 | 8738.0 | 9430.8 | 7623.7 |
| 45° | 6876.1 | 6844.3 | 7205.1 | 7617.9 | 7978.8 | 8403.1 | 8642.7 | 8610.9 | 8804.4 | 9849.3 | 7967.2 |
| 47.5° | 7603.5 | 7609.3 | 7848.9 | 8201.0 | 8576.3 | 8787.0 | 8974.7 | 8862.1 | 8942.9 | 10291.0 | 8426.2 |
| 50° | 8100.0 | 8143.3 | 8336.7 | 8697.5 | 8885.2 | 9208.5 | 9448.1 | 9378.8 | 9352.8 | 10556.6 | 8714.9 |
| 52.5° | 8227.0 | 8356.9 | 8460.8 | 8911.2 | 9349.9 | 9860.9 | 10166.9 | 10314.1 | 9852.2 | 10646.1 | 9081.5 |
| 55° | 7268.6 | 7384.1 | 7750.7 | 8368.5 | 9526.0 | 10894.3 | 11315.8 | 11318.6 | 10504.6 | 11044.4 | 9338.4 |
| 57.5° | 5810.9 | 5577.1 | 5802.2 | 6457.5 | 8053.8 | 10851.0 | 11875.8 | 11740.1 | 10830.8 | 10810.6 | 9116.1 |
| 60° | 4018.3 | 3960.5 | 3975.0 | 4234.8 | 5574.2 | 8631.2 | 10582.5 | 10758.6 | 9973.5 | 9370.1 | 7216.7 |
| 62.5° | 3184.0 | 3134.9 | 3071.4 | 3042.6 | 3461.1 | 5377.9 | 7464.9 | 7713.2 | 6974.2 | 6076.4 | 4278.1 |
| 65° | 2494.1 | 2465.2 | 2473.9 | 2589.3 | 2586.5 | 3051.2 | 4081.8 | 3980.7 | 3186.9 | 2355.5 | 1345.2 |
| 67.5° | 1682.9 | 1726.2 | 1760.9 | 2110.2 | 2289.1 | 2124.6 | 1971.6 | 1913.9 | 1036.3 | 435.9 | 297.3 |
| 70° | 946.8 | 952.6 | 990.1 | 1319.2 | 1737.8 | 1648.3 | 1359.6 | 1359.6 | 516.7 | 158.8 | 170.3 |
| 72.5° | 516.7 | 499.4 | 464.8 | 568.7 | 773.6 | 785.2 | 606.2 | 528.3 | 153.0 | 103.9 | 95.3 |
| 75° | 251.1 | 248.3 | 213.6 | 176.1 | 167.4 | 138.6 | 106.8 | 98.1 | 69.3 | 66.4 | 57.7 |
| 77.5° | 52.0 | 49.1 | 26.0 | 26.0 | 28.9 | 31.8 | 40.4 | 40.4 | 49.1 | 49.1 | 40.4 |
| 80° | 0.0 | 0.0 | 2.9 | 11.5 | 20.2 | 28.9 | 34.6 | 34.6 | 40.4 | 40.4 | 31.8 |
| 82.5° | 0.0 | 0.0 | 2.9 | 8.7 | 17.3 | 26.0 | 31.8 | 34.6 | 40.4 | 43.3 | 34.6 |
| 85° | 0.0 | 0.0 | 0.0 | 5.8 | 14.4 | 20.2 | 17.3 | 17.3 | 14.4 | 11.5 | 5.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



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CATALOG NUMBER: GLAN-SA5B-735-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6838.5 | 6838.5 | 6838.5 | 6838.5 | 6838.5 | 6838.5 | 6838.5 | 6838.5 | 6838.5 | 6838.5 | 6838.5 |
| 2.5° | 6737.5 | 6731.7 | 6598.9 | 6523.9 | 6388.2 | 6269.9 | 6174.6 | 6105.3 | 6105.3 | 6062.0 | 6021.6 |
| 5° | 6547.0 | 6497.9 | 6215.0 | 6033.1 | 5776.2 | 5585.7 | 5455.8 | 5354.8 | 5196.0 | 5239.3 | 5069.0 |
| 7.5° | 6310.3 | 6186.1 | 5810.9 | 5533.8 | 5178.7 | 4907.3 | 4630.2 | 4384.9 | 4148.2 | 4041.3 | 4099.1 |
| 10° | 6056.2 | 5839.7 | 5334.6 | 4895.8 | 4454.1 | 3957.6 | 3634.3 | 3241.7 | 2999.3 | 2984.8 | 2921.3 |
| 12.5° | 5787.8 | 5542.4 | 4927.6 | 4321.4 | 3741.1 | 3143.6 | 2650.0 | 2283.4 | 2118.8 | 1937.0 | 1971.6 |
| 15° | 5585.7 | 5222.0 | 4474.3 | 3744.0 | 2973.3 | 2370.0 | 1873.5 | 1590.6 | 1434.7 | 1391.4 | 1376.9 |
| 17.5° | 5366.3 | 4976.6 | 4012.5 | 3129.2 | 2332.4 | 1706.0 | 1348.1 | 1212.4 | 1151.8 | 1151.8 | 1143.1 |
| 20° | 5138.3 | 4699.5 | 3553.5 | 2557.6 | 1749.3 | 1273.0 | 1079.6 | 1036.3 | 1033.4 | 1030.5 | 1030.5 |
| 22.5° | 4988.2 | 4382.0 | 3137.8 | 2032.2 | 1319.2 | 1019.0 | 938.2 | 920.8 | 932.4 | 967.0 | 967.0 |
| 25° | 4829.4 | 4076.0 | 2678.8 | 1567.5 | 1021.9 | 874.7 | 828.5 | 840.0 | 868.9 | 900.6 | 889.1 |
| 27.5° | 4667.8 | 3876.8 | 2245.8 | 1229.7 | 837.1 | 765.0 | 747.6 | 773.6 | 805.4 | 834.2 | 825.6 |
| 30° | 4630.2 | 3663.2 | 1835.9 | 932.4 | 718.8 | 666.8 | 678.4 | 701.5 | 733.2 | 744.8 | 756.3 |
| 32.5° | 4688.0 | 3495.8 | 1504.0 | 765.0 | 626.4 | 612.0 | 612.0 | 623.5 | 643.7 | 669.7 | 661.0 |
| 35° | 4852.5 | 3400.5 | 1189.3 | 663.9 | 574.4 | 560.0 | 557.1 | 568.7 | 580.2 | 588.9 | 580.2 |
| 37.5° | 5103.6 | 3325.4 | 972.8 | 588.9 | 539.8 | 516.7 | 510.9 | 508.1 | 519.6 | 522.5 | 528.3 |
| 40° | 5424.1 | 3365.9 | 825.6 | 542.7 | 505.2 | 479.2 | 461.9 | 461.9 | 461.9 | 470.5 | 473.4 |
| 42.5° | 5770.5 | 3420.7 | 713.0 | 516.7 | 473.4 | 441.7 | 424.3 | 418.6 | 424.3 | 435.9 | 433.0 |
| 45° | 6134.2 | 3527.5 | 640.8 | 476.3 | 444.5 | 404.1 | 381.0 | 375.3 | 389.7 | 412.8 | 409.9 |
| 47.5° | 6474.8 | 3680.5 | 586.0 | 450.3 | 415.7 | 378.2 | 349.3 | 343.5 | 369.5 | 401.2 | 404.1 |
| 50° | 6815.4 | 3946.1 | 565.8 | 430.1 | 395.5 | 352.2 | 326.2 | 320.4 | 349.3 | 389.7 | 398.4 |
| 52.5° | 7208.0 | 4231.9 | 551.4 | 404.1 | 372.4 | 332.0 | 303.1 | 297.3 | 329.1 | 381.0 | 383.9 |
| 55° | 7464.9 | 4474.3 | 539.8 | 357.9 | 329.1 | 300.2 | 277.1 | 274.2 | 308.9 | 355.1 | 366.6 |
| 57.5° | 7164.7 | 4136.6 | 499.4 | 311.8 | 280.0 | 265.6 | 245.4 | 245.4 | 274.2 | 317.5 | 326.2 |
| 60° | 5432.7 | 2722.1 | 355.1 | 251.1 | 236.7 | 228.0 | 219.4 | 219.4 | 242.5 | 274.2 | 277.1 |
| 62.5° | 3181.1 | 1466.4 | 228.0 | 202.1 | 202.1 | 193.4 | 179.0 | 179.0 | 202.1 | 219.4 | 222.3 |
| 65° | 943.9 | 470.5 | 184.7 | 173.2 | 170.3 | 155.9 | 141.4 | 138.6 | 155.9 | 164.5 | 161.7 |
| 67.5° | 271.3 | 216.5 | 153.0 | 144.3 | 141.4 | 118.4 | 109.7 | 106.8 | 109.7 | 103.9 | 101.0 |
| 70° | 161.7 | 147.2 | 118.4 | 121.2 | 106.8 | 86.6 | 77.9 | 75.1 | 69.3 | 60.6 | 54.8 |
| 72.5° | 89.5 | 89.5 | 86.6 | 92.4 | 75.1 | 57.7 | 49.1 | 40.4 | 31.8 | 26.0 | 23.1 |
| 75° | 54.8 | 57.7 | 60.6 | 63.5 | 49.1 | 37.5 | 31.8 | 20.2 | 11.5 | 5.8 | 5.8 |
| 77.5° | 37.5 | 40.4 | 43.3 | 46.2 | 40.4 | 34.6 | 26.0 | 14.4 | 2.9 | 0.0 | 0.0 |
| 80° | 28.9 | 31.8 | 37.5 | 40.4 | 43.3 | 46.2 | 34.6 | 14.4 | 2.9 | 0.0 | 0.0 |
| 82.5° | 31.8 | 34.6 | 43.3 | 40.4 | 40.4 | 40.4 | 31.8 | 14.4 | 2.9 | 0.0 | 0.0 |
| 85° | 5.8 | 8.7 | 14.4 | 14.4 | 20.2 | 26.0 | 20.2 | 5.8 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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)