

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: P953694

Luminaire Tested: **GLAN-SB7A-935-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-935-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18922 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

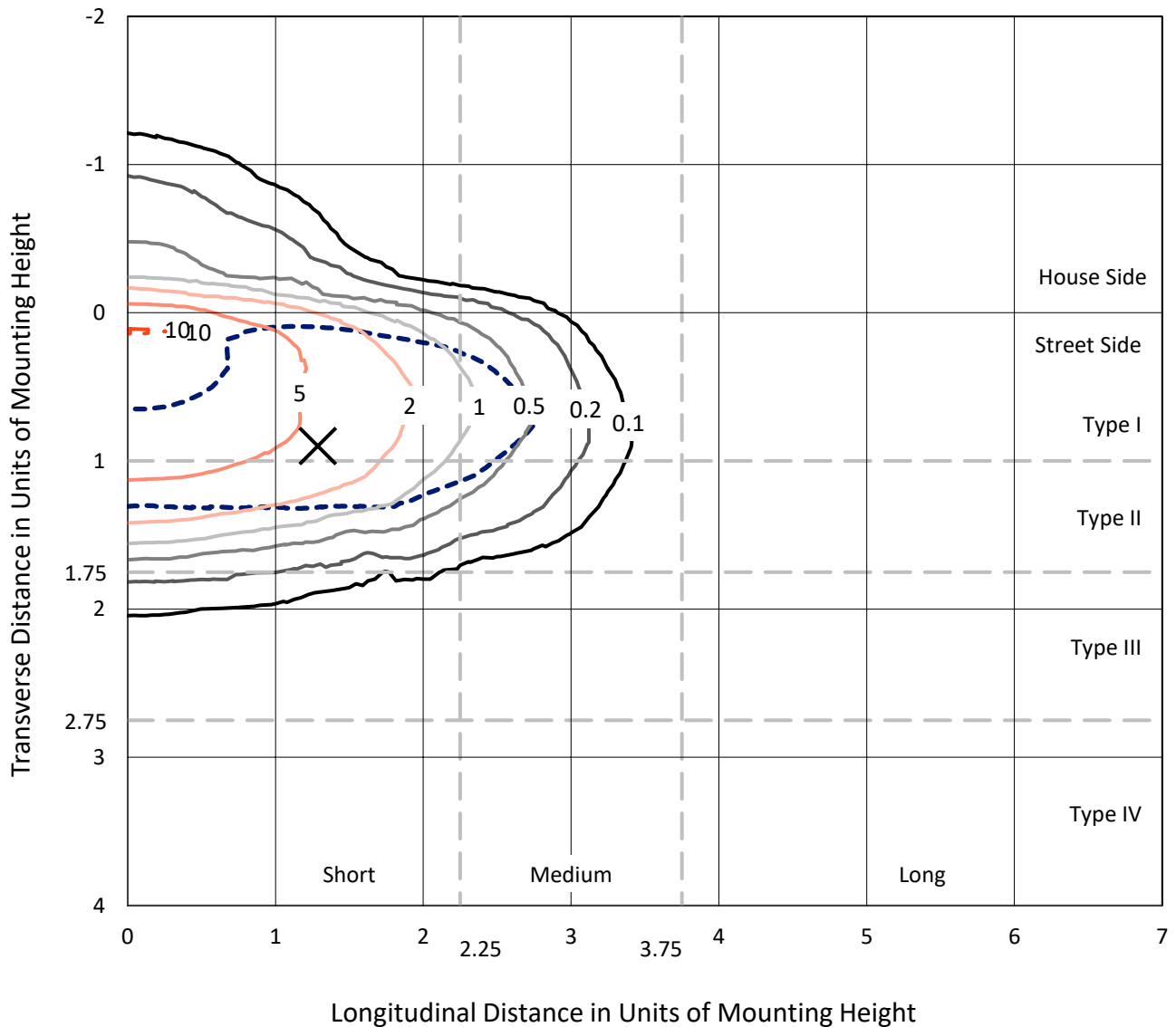
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

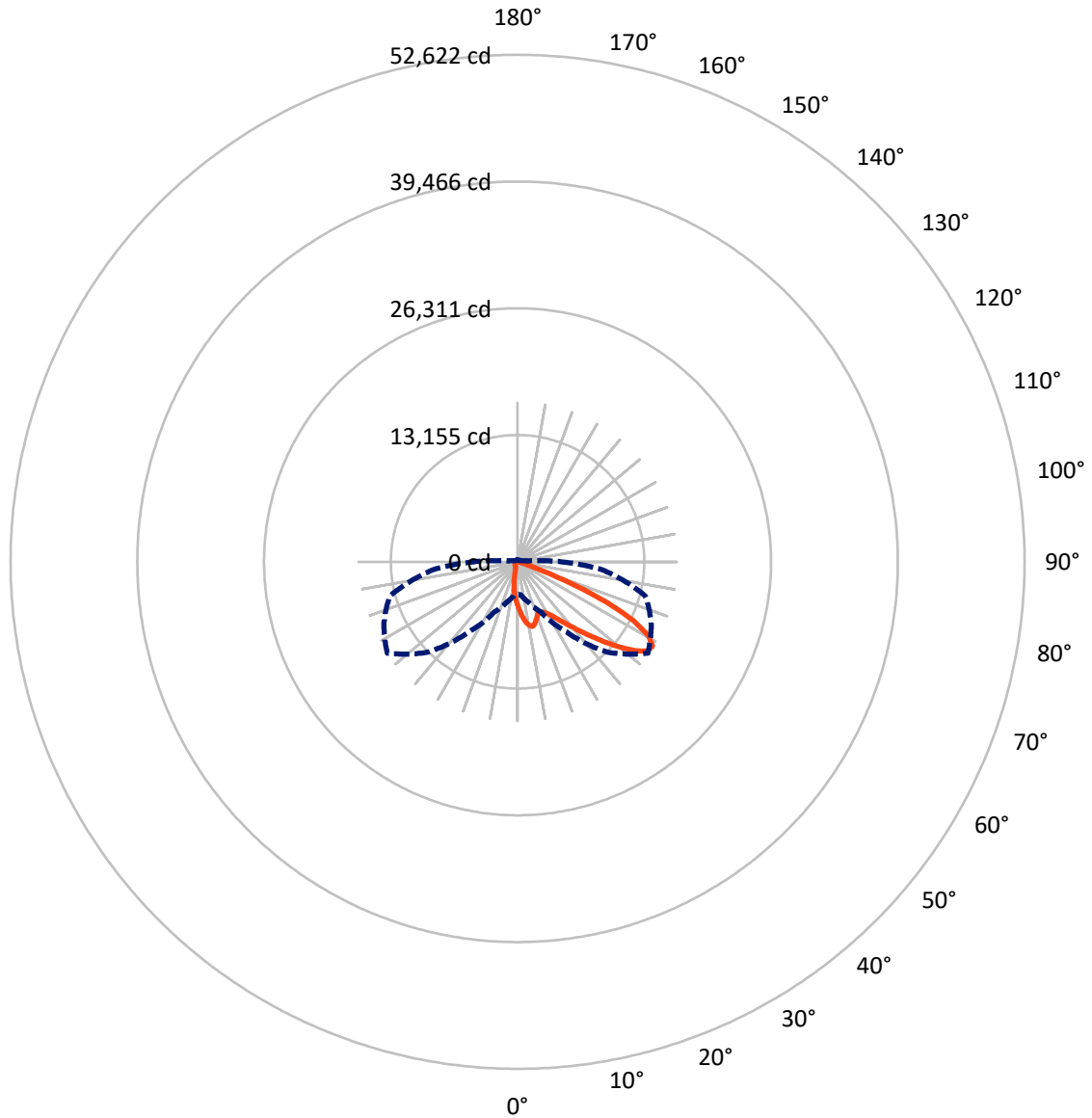
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1477.7 | 0.0 | 1477.7 |
| | % Fixture | 7.8 | 0.0 | 7.8 |
| Street Side | Lumens | 17444.3 | 0.0 | 17444.3 |
| | % Fixture | 92.2 | 0.0 | 92.2 |
| Total | Lumens | 18922.0 | 0.0 | 18922.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 424.3 | 2.2 |
| 10°-20° | 1024.8 | 5.4 |
| 20°-30° | 1639.7 | 8.7 |
| 30°-40° | 2775.2 | 14.7 |
| 40°-50° | 4556.3 | 24.1 |
| 50°-60° | 5007.7 | 26.5 |
| 60°-70° | 2872.4 | 15.2 |
| 70°-80° | 586.9 | 3.1 |
| 80°-90° | 34.6 | 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° | 18922.0 | 100.0 |
| 0°-180° | 18922.0 | 100.0 |

Coefficient of Utilization

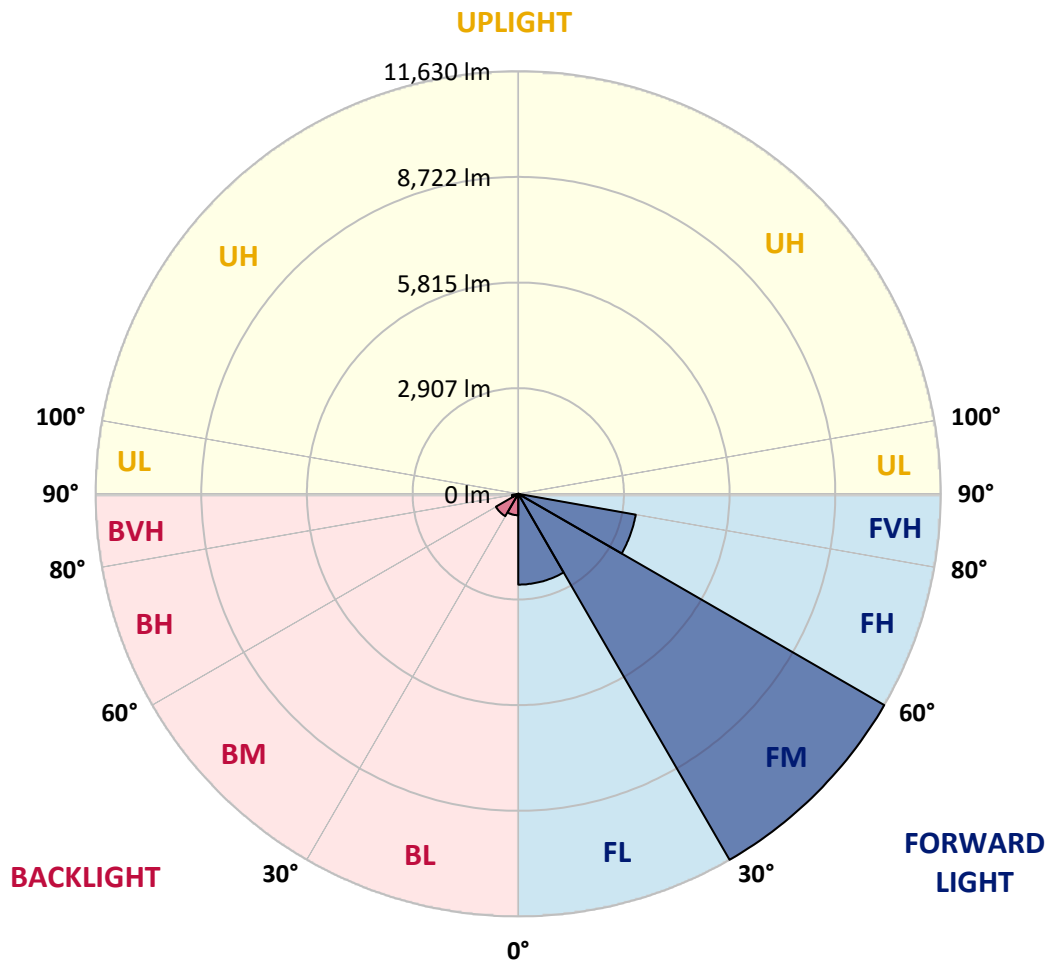


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2498.8 | 13.2 | | | |
| FM (30°-60°) | 11629.6 | 61.5 | | | |
| FH (60°-80°) | 3283.6 | 17.4 | | | G2/5000 |
| FVH (80°-90°) | 32.3 | 0.2 | | | G1/100 |
| BL (0°-30°) | 589.9 | 3.1 | B2/1000 | | |
| BM (30°-60°) | 709.7 | 3.8 | B1/1000 | | |
| BH (60°-80°) | 175.7 | 0.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 2.3 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0° | 4559.7 | 4559.7 | 4559.7 | 4559.7 | 4559.7 | 4559.7 | 4559.7 | 4559.7 | 4559.7 | 4559.7 |
| 2.5° | 5657.7 | 5586.5 | 5576.0 | 5562.0 | 5426.6 | 5325.1 | 5178.1 | 5017.1 | 4836.3 | 4651.9 |
| 5° | 6536.2 | 6480.2 | 6469.7 | 6404.4 | 6250.4 | 6077.7 | 5816.3 | 5486.2 | 5149.0 | 4752.3 |
| 7.5° | 6706.6 | 6696.1 | 6743.9 | 6741.6 | 6720.6 | 6584.1 | 6363.6 | 5970.4 | 5464.0 | 4875.9 |
| 10° | 5947.0 | 5973.9 | 6116.2 | 6241.1 | 6578.2 | 6774.3 | 6726.4 | 6402.1 | 5788.3 | 5017.1 |
| 12.5° | 5255.1 | 5223.6 | 5325.1 | 5466.3 | 5858.4 | 6441.7 | 6876.9 | 6762.6 | 6159.4 | 5177.0 |
| 15° | 4821.1 | 4808.3 | 4865.4 | 4930.8 | 5229.5 | 5817.5 | 6701.9 | 7055.5 | 6516.4 | 5366.0 |
| 17.5° | 4682.2 | 4671.7 | 4689.2 | 4705.6 | 4899.3 | 5354.3 | 6285.4 | 7235.1 | 6858.3 | 5581.8 |
| 20° | 4795.4 | 4781.4 | 4779.1 | 4766.3 | 4846.8 | 5157.1 | 5908.5 | 7248.0 | 7165.1 | 5777.8 |
| 22.5° | 5125.6 | 5109.3 | 5052.1 | 5000.8 | 5007.8 | 5184.0 | 5740.5 | 7119.6 | 7396.2 | 5961.0 |
| 25° | 5724.2 | 5697.3 | 5578.3 | 5405.6 | 5296.0 | 5370.6 | 5766.2 | 6950.4 | 7616.7 | 6104.5 |
| 27.5° | 6473.2 | 6438.2 | 6285.4 | 6028.7 | 5777.8 | 5686.8 | 5951.7 | 6833.8 | 7799.9 | 6214.2 |
| 30° | 7207.1 | 7161.6 | 7011.1 | 6811.6 | 6445.2 | 6158.2 | 6286.6 | 6885.1 | 8018.0 | 6328.6 |
| 32.5° | 7999.4 | 7956.2 | 7756.7 | 7509.3 | 7206.0 | 6819.8 | 6745.1 | 7136.0 | 8285.2 | 6488.4 |
| 35° | 9001.6 | 8934.0 | 8650.4 | 8313.2 | 7991.2 | 7600.3 | 7365.8 | 7568.8 | 8641.1 | 6732.3 |
| 37.5° | 10142.7 | 10051.7 | 9746.0 | 9280.5 | 8860.4 | 8422.9 | 8121.9 | 8163.9 | 9162.6 | 7059.0 |
| 40° | 11218.5 | 11135.6 | 10853.3 | 10414.6 | 9887.2 | 9356.3 | 9035.5 | 8942.1 | 9882.5 | 7456.8 |
| 42.5° | 11863.7 | 11789.0 | 11670.0 | 11484.5 | 11040.0 | 10498.6 | 10093.7 | 9891.9 | 10734.3 | 7932.9 |
| 45° | 11899.9 | 11834.5 | 11994.4 | 12210.2 | 12122.7 | 11762.2 | 11268.7 | 10898.8 | 11589.5 | 8379.7 |
| 47.5° | 11321.2 | 11276.8 | 11762.2 | 12515.9 | 12891.6 | 13043.3 | 12588.3 | 11821.7 | 12295.4 | 8700.6 |
| 50° | 9743.7 | 9727.4 | 10726.1 | 12109.9 | 13184.5 | 14165.7 | 13980.2 | 12680.5 | 12842.6 | 8866.3 |
| 52.5° | 8448.6 | 8389.1 | 8971.3 | 10810.1 | 12758.6 | 14756.1 | 15340.7 | 13522.9 | 13225.3 | 8897.8 |
| 55° | 6407.9 | 6355.4 | 7085.8 | 8635.3 | 11385.3 | 14546.1 | 16335.9 | 14392.1 | 13499.5 | 8817.3 |
| 57.5° | 3437.3 | 3404.6 | 4327.5 | 5747.5 | 8900.1 | 13286.0 | 16515.6 | 15311.5 | 13730.5 | 8603.8 |
| 60° | 1338.3 | 1332.5 | 1677.8 | 2788.6 | 5409.1 | 10809.0 | 15609.0 | 15863.4 | 13875.2 | 8341.2 |
| 62.5° | 809.7 | 827.2 | 883.2 | 1251.9 | 2389.5 | 6714.8 | 13519.4 | 15235.7 | 13972.1 | 8100.9 |
| 65° | 669.7 | 670.9 | 677.9 | 859.9 | 1144.6 | 2809.6 | 10177.7 | 13170.5 | 13732.9 | 7672.7 |
| 67.5° | 574.1 | 584.6 | 611.4 | 682.6 | 807.4 | 1232.1 | 5859.5 | 10202.2 | 12277.9 | 6676.3 |
| 70° | 452.7 | 466.7 | 500.5 | 561.2 | 623.1 | 771.2 | 2165.5 | 6788.3 | 9379.7 | 5032.3 |
| 72.5° | 381.5 | 380.4 | 397.9 | 456.2 | 494.7 | 542.5 | 833.1 | 3803.7 | 5451.1 | 2402.4 |
| 75° | 295.2 | 306.9 | 329.0 | 381.5 | 404.9 | 393.2 | 451.5 | 1389.6 | 1953.2 | 728.1 |
| 77.5° | 231.0 | 240.4 | 260.2 | 311.5 | 334.9 | 278.9 | 260.2 | 497.0 | 627.7 | 261.4 |
| 80° | 103.8 | 112.0 | 177.3 | 229.9 | 273.0 | 192.5 | 141.2 | 254.4 | 278.9 | 119.0 |
| 82.5° | 18.7 | 31.5 | 103.8 | 121.3 | 140.0 | 124.8 | 73.5 | 131.8 | 136.5 | 47.8 |
| 85° | 1.2 | 2.3 | 36.2 | 44.3 | 56.0 | 40.8 | 22.2 | 52.5 | 45.5 | 16.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 5.8 | 7.0 | 9.3 | 7.0 | 5.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CANDELA DISTRIBUTION (continued):

| 90° | | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4559.7 | 0° | 4559.7 | 4559.7 | 4559.7 | 4559.7 | 4559.7 | 4559.7 | 4559.7 | 4559.7 | 4559.7 | 4559.7 |
| 4570.2 | 2.5° | 4486.2 | 4320.5 | 4159.5 | 4027.7 | 3950.7 | 3820.0 | 3733.7 | 3719.7 | 3683.5 | 3715.0 |
| 4581.9 | 5° | 4399.9 | 4103.5 | 3803.7 | 3535.3 | 3314.8 | 3030.1 | 2817.7 | 2727.9 | 2649.7 | 2676.6 |
| 4612.2 | 7.5° | 4359.1 | 3891.2 | 3424.5 | 2965.9 | 2494.6 | 2039.5 | 1701.2 | 1560.0 | 1452.6 | 1467.8 |
| 4646.1 | 10° | 4304.2 | 3670.7 | 2939.1 | 2239.0 | 1607.8 | 1158.6 | 925.2 | 838.9 | 791.1 | 792.2 |
| 4696.2 | 12.5° | 4262.2 | 3407.0 | 2375.5 | 1518.0 | 978.9 | 739.7 | 667.4 | 646.4 | 632.4 | 633.6 |
| 4772.1 | 15° | 4241.2 | 3096.6 | 1819.0 | 1011.6 | 700.1 | 626.6 | 609.1 | 599.7 | 590.4 | 589.2 |
| 4856.1 | 17.5° | 4206.2 | 2751.2 | 1331.3 | 738.6 | 612.6 | 586.9 | 571.7 | 561.2 | 549.5 | 547.2 |
| 4928.4 | 20° | 4153.7 | 2359.2 | 973.1 | 624.2 | 574.1 | 554.2 | 533.2 | 519.2 | 505.2 | 502.9 |
| 4973.9 | 22.5° | 4056.9 | 1945.0 | 747.9 | 577.6 | 546.0 | 523.9 | 498.2 | 481.9 | 467.9 | 465.5 |
| 4951.8 | 25° | 3877.2 | 1556.5 | 630.1 | 548.4 | 521.5 | 494.7 | 466.7 | 444.5 | 431.7 | 429.4 |
| 4903.9 | 27.5° | 3649.7 | 1222.8 | 571.7 | 521.5 | 490.0 | 465.5 | 434.0 | 413.0 | 401.4 | 399.0 |
| 4840.9 | 30° | 3381.3 | 941.6 | 537.9 | 491.2 | 452.7 | 431.7 | 403.7 | 386.2 | 379.2 | 379.2 |
| 4796.6 | 32.5° | 3091.9 | 752.6 | 523.9 | 460.9 | 420.0 | 396.7 | 374.5 | 367.5 | 365.2 | 364.0 |
| 4821.1 | 35° | 2820.1 | 653.4 | 516.9 | 436.4 | 390.9 | 368.7 | 359.4 | 360.5 | 365.2 | 365.2 |
| 4896.9 | 37.5° | 2578.6 | 621.9 | 513.4 | 418.9 | 365.2 | 345.4 | 351.2 | 361.7 | 357.0 | 357.0 |
| 5029.9 | 40° | 2360.4 | 625.4 | 511.0 | 406.0 | 344.2 | 332.5 | 344.2 | 336.0 | 324.4 | 323.2 |
| 5192.1 | 42.5° | 2193.5 | 654.6 | 506.4 | 395.5 | 331.4 | 323.2 | 318.5 | 305.7 | 304.5 | 306.9 |
| 5360.1 | 45° | 2072.2 | 680.2 | 505.2 | 390.9 | 317.4 | 302.2 | 296.4 | 283.5 | 306.9 | 312.7 |
| 5429.0 | 47.5° | 1928.7 | 680.2 | 505.2 | 374.5 | 294.0 | 288.2 | 278.9 | 264.9 | 288.2 | 294.0 |
| 5363.6 | 50° | 1743.2 | 637.1 | 485.4 | 355.9 | 275.4 | 271.9 | 255.5 | 238.0 | 233.4 | 236.9 |
| 5210.8 | 52.5° | 1508.6 | 558.9 | 435.2 | 330.2 | 256.7 | 249.7 | 229.9 | 217.0 | 213.5 | 213.5 |
| 4936.6 | 55° | 1241.4 | 467.9 | 367.5 | 292.9 | 236.9 | 224.0 | 210.0 | 204.2 | 200.7 | 198.4 |
| 4552.7 | 57.5° | 1009.3 | 383.9 | 295.2 | 260.2 | 218.2 | 201.9 | 197.2 | 190.2 | 184.3 | 180.8 |
| 4231.9 | 60° | 828.4 | 302.2 | 243.9 | 231.0 | 199.5 | 184.3 | 183.2 | 173.8 | 158.7 | 156.3 |
| 3967.0 | 62.5° | 639.4 | 221.7 | 205.4 | 200.7 | 180.8 | 168.0 | 165.7 | 147.0 | 123.7 | 119.0 |
| 3591.3 | 65° | 451.5 | 172.7 | 165.7 | 176.2 | 161.0 | 149.3 | 143.5 | 115.5 | 91.0 | 87.5 |
| 3005.6 | 67.5° | 317.4 | 144.7 | 130.7 | 154.0 | 140.0 | 124.8 | 121.3 | 98.0 | 75.8 | 73.5 |
| 2272.9 | 70° | 226.4 | 117.8 | 107.3 | 131.8 | 112.0 | 109.7 | 102.7 | 81.7 | 61.8 | 59.5 |
| 1124.8 | 72.5° | 159.8 | 89.8 | 82.8 | 114.3 | 77.0 | 94.5 | 84.0 | 63.0 | 46.7 | 44.3 |
| 382.7 | 75° | 117.8 | 64.2 | 58.3 | 66.5 | 56.0 | 71.2 | 59.5 | 42.0 | 29.2 | 28.0 |
| 172.7 | 77.5° | 86.3 | 40.8 | 35.0 | 32.7 | 32.7 | 44.3 | 32.7 | 17.5 | 12.8 | 11.7 |
| 87.5 | 80° | 60.7 | 18.7 | 16.3 | 14.0 | 12.8 | 10.5 | 4.7 | 2.3 | 1.2 | 1.2 |
| 30.3 | 82.5° | 36.2 | 8.2 | 8.2 | 5.8 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11.7 | 85° | 8.2 | 3.5 | 3.5 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4.7 | 87.5° | 1.2 | 1.2 | 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 |

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