

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: P952051

Luminaire Tested: **GLAN-SB6A-735-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-735-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27925 lumens
Efficiency: N/A
Efficacy: 163.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

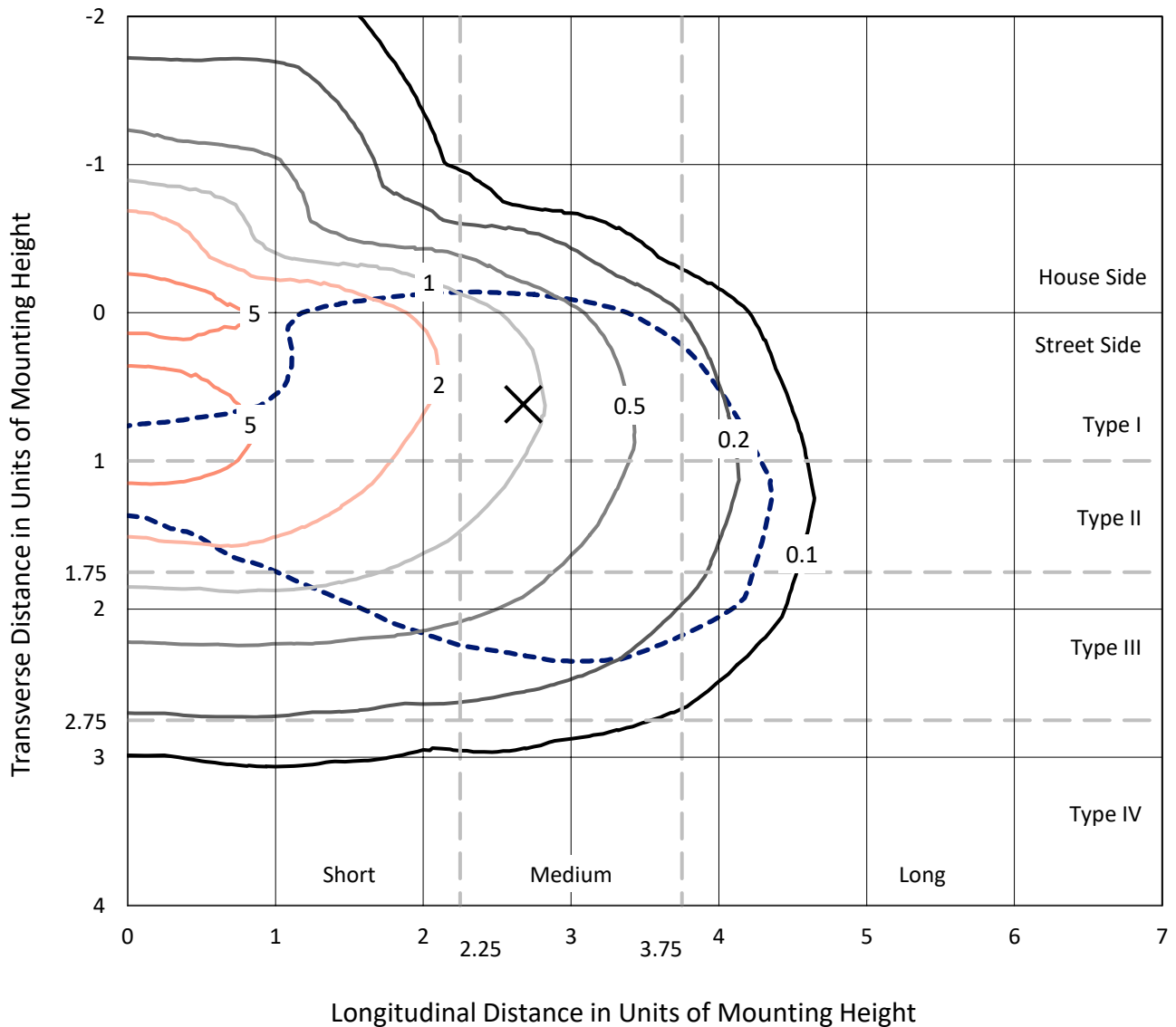
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

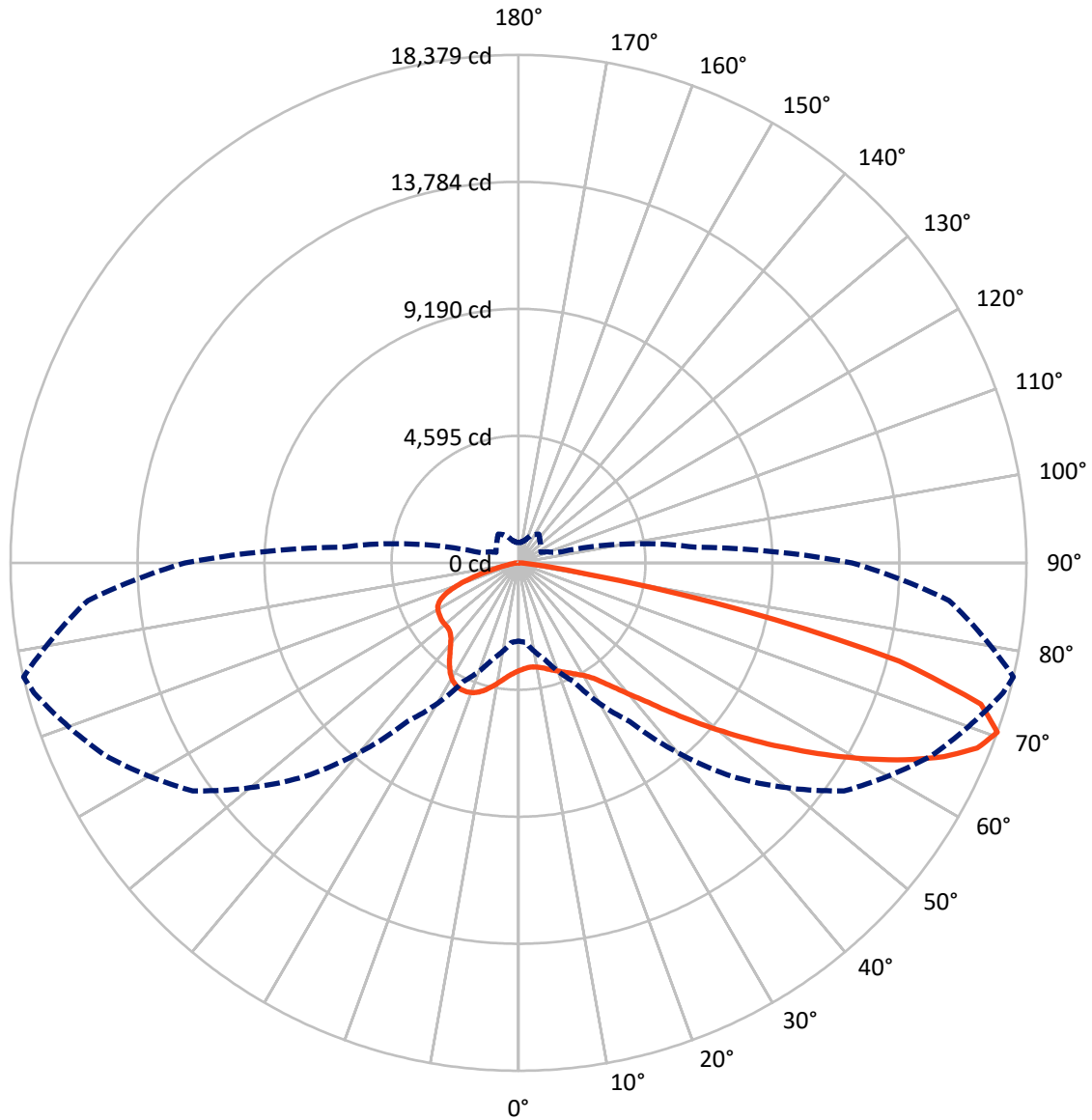
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6115.1 | 0.0 | 6115.1 |
| | % Fixture | 21.9 | 0.0 | 21.9 |
| Street Side | Lumens | 21809.9 | 0.0 | 21809.9 |
| | % Fixture | 78.1 | 0.0 | 78.1 |
| Total | Lumens | 27925.0 | 0.0 | 27925.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 371.6 | 1.3 |
| 10°-20° | 1072.3 | 3.8 |
| 20°-30° | 1833.9 | 6.6 |
| 30°-40° | 2949.0 | 10.6 |
| 40°-50° | 4604.2 | 16.5 |
| 50°-60° | 6150.1 | 22.0 |
| 60°-70° | 6555.1 | 23.5 |
| 70°-80° | 4035.3 | 14.5 |
| 80°-90° | 353.6 | 1.3 |
| 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° | 27925.0 | 100.0 |
| 0°-180° | 27925.0 | 100.0 |

Coefficient of Utilization

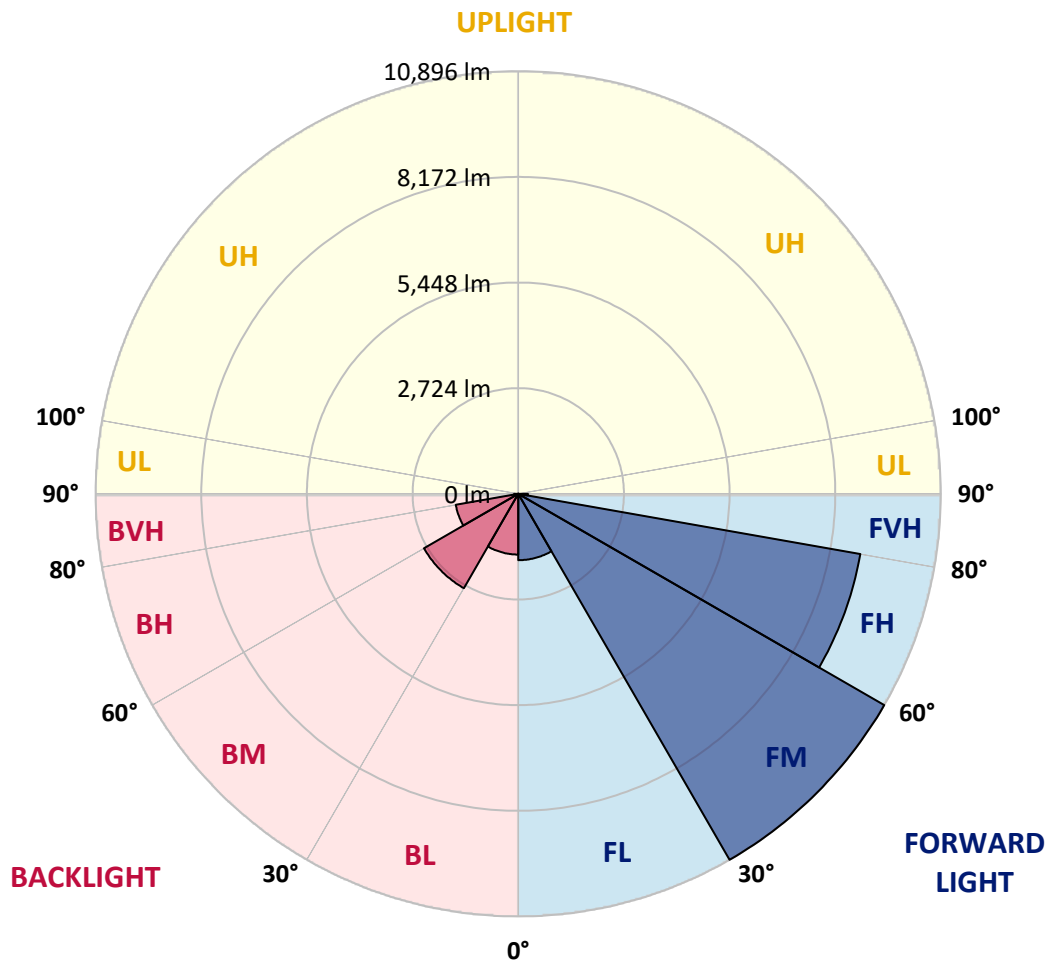


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1710.9 | 6.1 | | | |
| FM (30°-60°) | 10895.7 | 39.0 | | | |
| FH (60°-80°) | 8956.0 | 32.1 | | | G4/12000 |
| FVH (80°-90°) | 247.3 | 0.9 | | | G3/500 |
| BL (0°-30°) | 1566.9 | 5.6 | B3/2500 | | |
| BM (30°-60°) | 2807.6 | 10.1 | B3/5000 | | |
| BH (60°-80°) | 1634.3 | 5.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 106.3 | 0.4 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G4
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 3895.8 | 3895.8 | 3895.8 | 3895.8 | 3895.8 | 3895.8 | 3895.8 | 3895.8 | 3895.8 | 3895.8 |
| 2.5° | 3591.2 | 3589.7 | 3608.3 | 3614.0 | 3648.4 | 3672.7 | 3718.5 | 3767.1 | 3830.0 | 3837.2 |
| 5° | 3383.8 | 3383.8 | 3405.2 | 3428.1 | 3472.5 | 3521.1 | 3591.2 | 3675.5 | 3784.2 | 3801.4 |
| 7.5° | 3207.9 | 3219.3 | 3237.9 | 3282.2 | 3333.7 | 3403.8 | 3511.1 | 3631.2 | 3774.2 | 3801.4 |
| 10° | 3066.3 | 3079.2 | 3102.0 | 3137.8 | 3215.0 | 3312.3 | 3452.4 | 3606.9 | 3798.5 | 3841.4 |
| 12.5° | 3022.0 | 3034.8 | 3047.7 | 3074.9 | 3146.4 | 3260.8 | 3428.1 | 3618.3 | 3857.2 | 3900.1 |
| 15° | 3124.9 | 3140.7 | 3130.6 | 3123.5 | 3160.7 | 3265.1 | 3439.6 | 3659.8 | 3930.1 | 3991.6 |
| 17.5° | 3362.3 | 3368.1 | 3345.2 | 3278.0 | 3272.2 | 3328.0 | 3493.9 | 3717.0 | 4021.6 | 4088.9 |
| 20° | 3745.6 | 3735.6 | 3688.4 | 3555.4 | 3479.6 | 3468.2 | 3586.9 | 3802.8 | 4116.0 | 4187.5 |
| 22.5° | 4266.2 | 4254.8 | 4160.4 | 3950.1 | 3781.4 | 3669.8 | 3721.3 | 3914.4 | 4221.9 | 4302.0 |
| 25° | 4915.5 | 4899.8 | 4761.0 | 4475.0 | 4213.3 | 3937.3 | 3904.4 | 4061.7 | 4352.0 | 4426.4 |
| 27.5° | 5673.5 | 5660.6 | 5510.5 | 5132.9 | 4755.3 | 4303.4 | 4131.8 | 4234.7 | 4487.9 | 4572.3 |
| 30° | 6488.7 | 6525.9 | 6259.9 | 5853.7 | 5376.0 | 4781.1 | 4437.8 | 4447.8 | 4663.8 | 4739.6 |
| 32.5° | 7446.9 | 7511.3 | 7190.9 | 6676.0 | 6023.9 | 5300.2 | 4824.0 | 4745.3 | 4919.8 | 4982.7 |
| 35° | 8396.5 | 8469.5 | 8203.5 | 7634.3 | 6883.4 | 5912.3 | 5227.3 | 5087.1 | 5260.2 | 5328.8 |
| 37.5° | 9217.5 | 9314.7 | 9177.4 | 8682.6 | 7803.0 | 6650.3 | 5753.6 | 5489.0 | 5679.2 | 5765.0 |
| 40° | 9865.3 | 10014.1 | 10004.1 | 9695.1 | 8887.1 | 7545.6 | 6421.5 | 5985.3 | 6199.8 | 6292.8 |
| 42.5° | 10391.6 | 10520.4 | 10631.9 | 10616.2 | 10018.4 | 8562.4 | 7206.6 | 6630.3 | 6793.3 | 6900.6 |
| 45° | 10754.9 | 10892.2 | 11132.5 | 11391.3 | 11106.7 | 9650.8 | 8106.2 | 7395.4 | 7544.2 | 7705.8 |
| 47.5° | 11079.6 | 11235.4 | 11547.2 | 11957.7 | 12030.6 | 10743.5 | 9091.6 | 8286.4 | 8422.3 | 8589.6 |
| 50° | 11108.2 | 11242.6 | 11726.0 | 12308.1 | 12687.1 | 11793.2 | 10149.9 | 9286.1 | 9413.4 | 9592.2 |
| 52.5° | 10417.4 | 10629.0 | 11472.9 | 12298.1 | 12988.8 | 12671.3 | 11201.1 | 10325.9 | 10468.9 | 10683.4 |
| 55° | 8086.2 | 8396.5 | 10730.6 | 11914.8 | 12881.6 | 13239.1 | 12200.8 | 11431.4 | 11614.4 | 11839.0 |
| 57.5° | 6964.9 | 7100.8 | 8518.1 | 11216.8 | 12392.5 | 13386.4 | 13044.6 | 12548.3 | 12843.0 | 13088.9 |
| 60° | 6259.9 | 6372.9 | 7210.9 | 10131.3 | 11748.9 | 13153.3 | 13696.8 | 13589.5 | 14098.6 | 14391.8 |
| 62.5° | 5504.7 | 5612.0 | 6374.3 | 8459.5 | 10925.1 | 12765.7 | 14108.7 | 14550.6 | 15385.8 | 15706.2 |
| 65° | 4755.3 | 4846.9 | 5577.7 | 7108.0 | 9878.2 | 12378.2 | 14321.8 | 15381.5 | 16577.1 | 16908.9 |
| 67.5° | 3920.1 | 3995.9 | 4686.7 | 5996.7 | 8605.4 | 11847.6 | 14427.6 | 16035.1 | 17614.0 | 17898.6 |
| 70° | 2828.9 | 2887.5 | 3601.2 | 4742.5 | 7007.8 | 10935.1 | 14384.7 | 16498.5 | 18151.8 | 18379.2 |
| 72.5° | 1337.2 | 1390.1 | 2228.2 | 3079.2 | 4949.8 | 9158.8 | 13516.6 | 16130.9 | 17605.4 | 17492.5 |
| 75° | 713.7 | 759.4 | 1280.0 | 1689.0 | 2614.4 | 6278.5 | 11061.0 | 13895.6 | 14783.7 | 14234.5 |
| 77.5° | 483.4 | 519.2 | 792.3 | 1014.0 | 1194.2 | 2980.5 | 7109.4 | 9620.8 | 9256.1 | 8349.4 |
| 80° | 383.3 | 420.5 | 649.3 | 686.5 | 577.8 | 1076.9 | 2937.6 | 4453.6 | 3199.3 | 2558.6 |
| 82.5° | 294.6 | 336.1 | 546.3 | 497.7 | 314.6 | 441.9 | 855.2 | 1408.7 | 819.5 | 623.6 |
| 85° | 180.2 | 224.5 | 429.1 | 317.5 | 177.3 | 201.7 | 290.3 | 391.9 | 250.3 | 208.8 |
| 87.5° | 91.5 | 128.7 | 217.4 | 115.8 | 80.1 | 47.2 | 77.2 | 77.2 | 65.8 | 57.2 |
| 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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 CATALOG NUMBER: GLAN-SB6A-735-U-T3R

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3895.8 | 0° | 3895.8 | 3895.8 | 3895.8 | 3895.8 | 3895.8 | 3895.8 | 3895.8 | 3895.8 | 3895.8 | 3895.8 |
| 3875.8 | 2.5° | 3910.1 | 3938.7 | 3987.3 | 4033.1 | 4068.8 | 4103.2 | 4137.5 | 4156.1 | 4161.8 | 4184.7 |
| 3897.2 | 5° | 3955.9 | 4008.8 | 4103.2 | 4191.8 | 4247.6 | 4281.9 | 4306.3 | 4320.6 | 4323.4 | 4330.6 |
| 3955.9 | 7.5° | 4040.2 | 4124.6 | 4256.2 | 4344.9 | 4386.3 | 4383.5 | 4373.5 | 4337.7 | 4323.4 | 4310.5 |
| 4041.7 | 10° | 4158.9 | 4270.5 | 4432.1 | 4493.6 | 4467.9 | 4399.2 | 4310.5 | 4206.1 | 4157.5 | 4110.3 |
| 4158.9 | 12.5° | 4306.3 | 4447.8 | 4606.6 | 4603.7 | 4476.4 | 4300.5 | 4094.6 | 3934.4 | 3832.9 | 3759.9 |
| 4303.4 | 15° | 4485.0 | 4648.1 | 4769.6 | 4672.4 | 4393.5 | 4077.4 | 3775.7 | 3566.9 | 3475.3 | 3395.2 |
| 4449.3 | 17.5° | 4669.5 | 4844.0 | 4899.8 | 4650.9 | 4184.7 | 3747.1 | 3405.2 | 3240.8 | 3150.7 | 3107.8 |
| 4606.6 | 20° | 4849.7 | 5022.8 | 4977.0 | 4527.9 | 3867.2 | 3372.3 | 3067.7 | 2977.6 | 2959.0 | 2969.0 |
| 4759.6 | 22.5° | 5039.9 | 5194.4 | 4992.7 | 4290.5 | 3462.4 | 2989.1 | 2821.7 | 2824.6 | 2866.1 | 2896.1 |
| 4919.8 | 25° | 5234.4 | 5338.8 | 4951.3 | 3947.3 | 3027.7 | 2707.3 | 2665.8 | 2711.6 | 2793.1 | 2851.8 |
| 5100.0 | 27.5° | 5421.8 | 5467.6 | 4861.2 | 3522.5 | 2654.4 | 2505.7 | 2512.8 | 2607.2 | 2730.2 | 2811.7 |
| 5318.8 | 30° | 5633.5 | 5582.0 | 4688.1 | 3044.8 | 2395.5 | 2332.6 | 2392.7 | 2502.8 | 2625.8 | 2698.7 |
| 5594.8 | 32.5° | 5872.3 | 5680.6 | 4413.5 | 2602.9 | 2212.5 | 2193.9 | 2292.6 | 2364.1 | 2418.4 | 2439.9 |
| 5961.0 | 35° | 6169.8 | 5819.4 | 4061.7 | 2292.6 | 2048.0 | 2092.3 | 2186.7 | 2151.0 | 2129.5 | 2118.1 |
| 6452.9 | 37.5° | 6555.9 | 6006.7 | 3649.8 | 2090.9 | 1915.0 | 2019.4 | 2058.0 | 1946.5 | 1862.1 | 1820.6 |
| 7049.3 | 40° | 7020.7 | 6281.3 | 3253.6 | 1935.0 | 1830.6 | 1956.5 | 1889.3 | 1754.8 | 1647.6 | 1588.9 |
| 7720.1 | 42.5° | 7537.0 | 6568.8 | 2920.4 | 1817.8 | 1783.4 | 1905.0 | 1764.8 | 1604.7 | 1431.6 | 1413.0 |
| 8519.5 | 45° | 8079.0 | 6864.8 | 2693.0 | 1727.6 | 1760.5 | 1860.7 | 1693.3 | 1434.5 | 1311.5 | 1387.3 |
| 9321.9 | 47.5° | 8621.1 | 7136.6 | 2555.7 | 1660.4 | 1749.1 | 1810.6 | 1630.4 | 1340.1 | 1252.8 | 1363.0 |
| 10181.4 | 50° | 9224.6 | 7379.7 | 2494.2 | 1611.8 | 1736.2 | 1790.6 | 1536.0 | 1315.8 | 1191.3 | 1264.3 |
| 11071.0 | 52.5° | 9823.9 | 7568.5 | 2448.5 | 1563.2 | 1717.6 | 1774.8 | 1490.2 | 1287.2 | 1117.0 | 1121.3 |
| 11966.3 | 55° | 10421.7 | 7691.5 | 2398.4 | 1498.8 | 1676.2 | 1740.5 | 1486.0 | 1255.7 | 1061.2 | 1041.2 |
| 12913.0 | 57.5° | 11059.5 | 7761.6 | 2336.9 | 1427.3 | 1604.7 | 1653.3 | 1481.7 | 1231.4 | 1044.0 | 1011.1 |
| 13881.3 | 60° | 11708.8 | 7864.5 | 2256.8 | 1340.1 | 1508.8 | 1548.9 | 1471.6 | 1222.8 | 1034.0 | 978.2 |
| 14793.7 | 62.5° | 12290.9 | 7900.3 | 2161.0 | 1257.1 | 1385.8 | 1445.9 | 1450.2 | 1215.6 | 1006.8 | 911.0 |
| 15551.7 | 65° | 12672.8 | 7745.8 | 1993.7 | 1162.7 | 1252.8 | 1340.1 | 1408.7 | 1191.3 | 958.2 | 862.4 |
| 15926.4 | 67.5° | 12657.0 | 7305.3 | 1731.9 | 1041.2 | 1124.1 | 1222.8 | 1348.7 | 1149.9 | 899.6 | 802.3 |
| 15643.2 | 70° | 12067.8 | 6435.8 | 1400.1 | 899.6 | 982.5 | 1096.9 | 1271.4 | 1088.4 | 829.5 | 736.5 |
| 13909.9 | 72.5° | 10350.2 | 5037.1 | 1016.9 | 733.7 | 818.1 | 966.8 | 1171.3 | 1014.0 | 758.0 | 677.9 |
| 10280.1 | 75° | 7394.0 | 3187.9 | 689.3 | 563.5 | 636.4 | 819.5 | 1046.9 | 926.8 | 692.2 | 680.8 |
| 5148.6 | 77.5° | 3777.1 | 1523.1 | 456.2 | 411.9 | 443.4 | 646.4 | 879.6 | 828.1 | 702.2 | 562.1 |
| 1464.5 | 80° | 1228.5 | 562.1 | 287.5 | 280.3 | 294.6 | 430.5 | 680.8 | 679.3 | 532.0 | 381.9 |
| 354.7 | 82.5° | 391.9 | 241.7 | 187.4 | 180.2 | 173.1 | 270.3 | 474.8 | 537.7 | 359.0 | 241.7 |
| 127.3 | 85° | 155.9 | 144.4 | 110.1 | 101.5 | 72.9 | 127.3 | 248.9 | 357.5 | 267.4 | 174.5 |
| 32.9 | 87.5° | 57.2 | 57.2 | 30.0 | 21.5 | 15.7 | 42.9 | 67.2 | 107.3 | 153.0 | 90.1 |
| 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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| <u>180°</u> |
|-------------|
| 3895.8 |
| 4197.6 |
| 4342.0 |
| 4313.4 |
| 4096.0 |
| 3742.8 |
| 3386.7 |
| 3120.6 |
| 2964.7 |
| 2903.3 |
| 2867.5 |
| 2831.7 |
| 2715.9 |
| 2451.3 |
| 2129.5 |
| 1830.6 |
| 1593.2 |
| 1431.6 |
| 1427.3 |
| 1414.4 |
| 1318.6 |
| 1151.3 |
| 1055.5 |
| 1015.4 |
| 982.5 |
| 911.0 |
| 862.4 |
| 806.6 |
| 745.1 |
| 673.6 |
| 642.1 |
| 500.6 |
| 337.5 |
| 240.3 |
| 178.8 |
| 88.7 |
| 0.0 |

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