

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: P849943

Luminaire Tested: **GLAN-SB7B-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31042 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

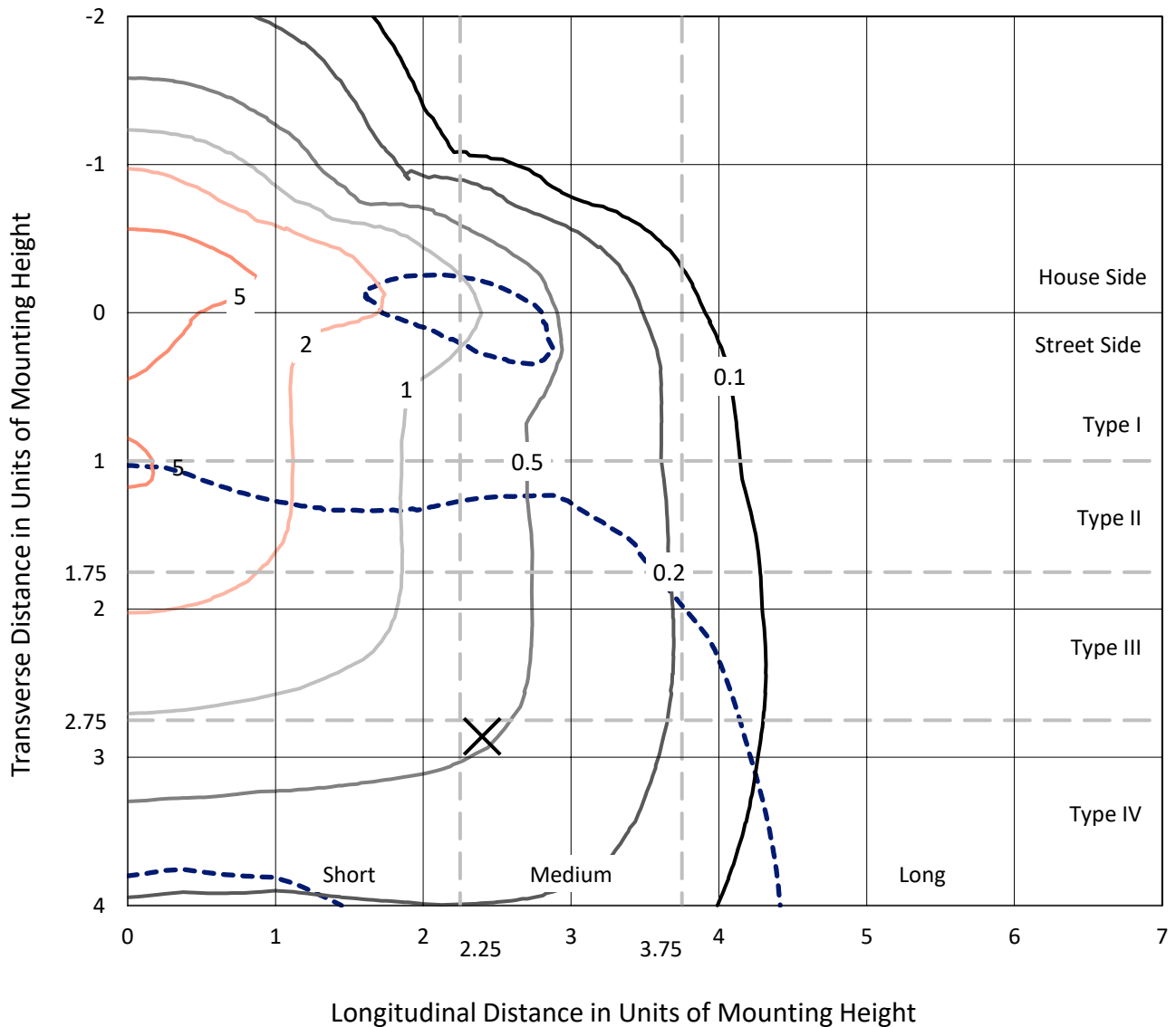
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

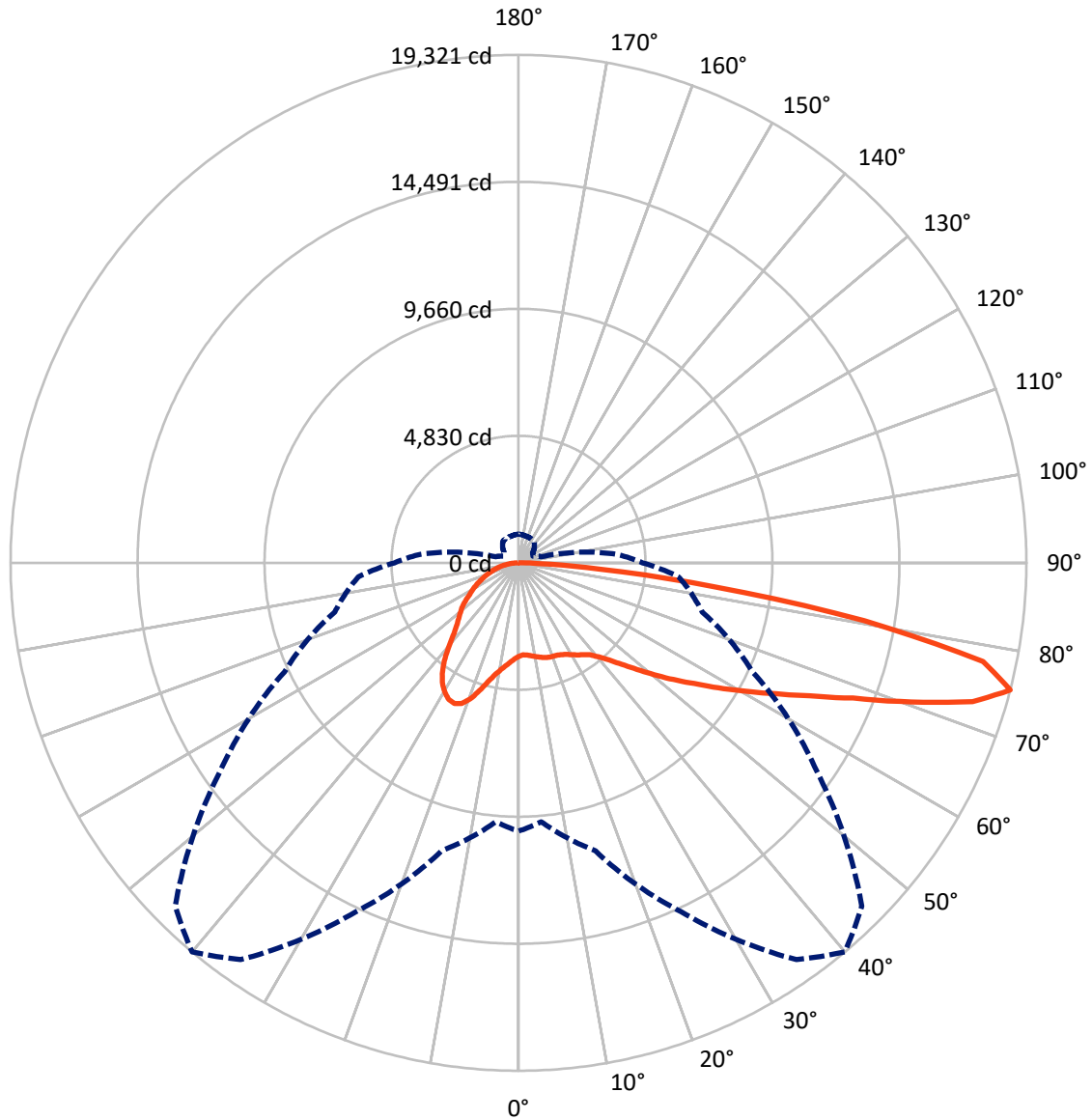
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9617.8 | 0.0 | 9617.8 |
| | % Fixture | 31.0 | 0.0 | 31.0 |
| Street Side | Lumens | 21424.1 | 0.0 | 21424.1 |
| | % Fixture | 69.0 | 0.0 | 69.0 |
| Total | Lumens | 31042.0 | 0.0 | 31042.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 354.3 | 1.1 |
| 10°-20° | 1189.6 | 3.8 |
| 20°-30° | 2172.2 | 7.0 |
| 30°-40° | 3080.7 | 9.9 |
| 40°-50° | 4159.9 | 13.4 |
| 50°-60° | 5596.2 | 18.0 |
| 60°-70° | 7102.9 | 22.9 |
| 70°-80° | 6446.3 | 20.8 |
| 80°-90° | 939.7 | 3.0 |
| 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° | 31042.0 | 100.0 |
| 0°-180° | 31042.0 | 100.0 |

Coefficient of Utilization

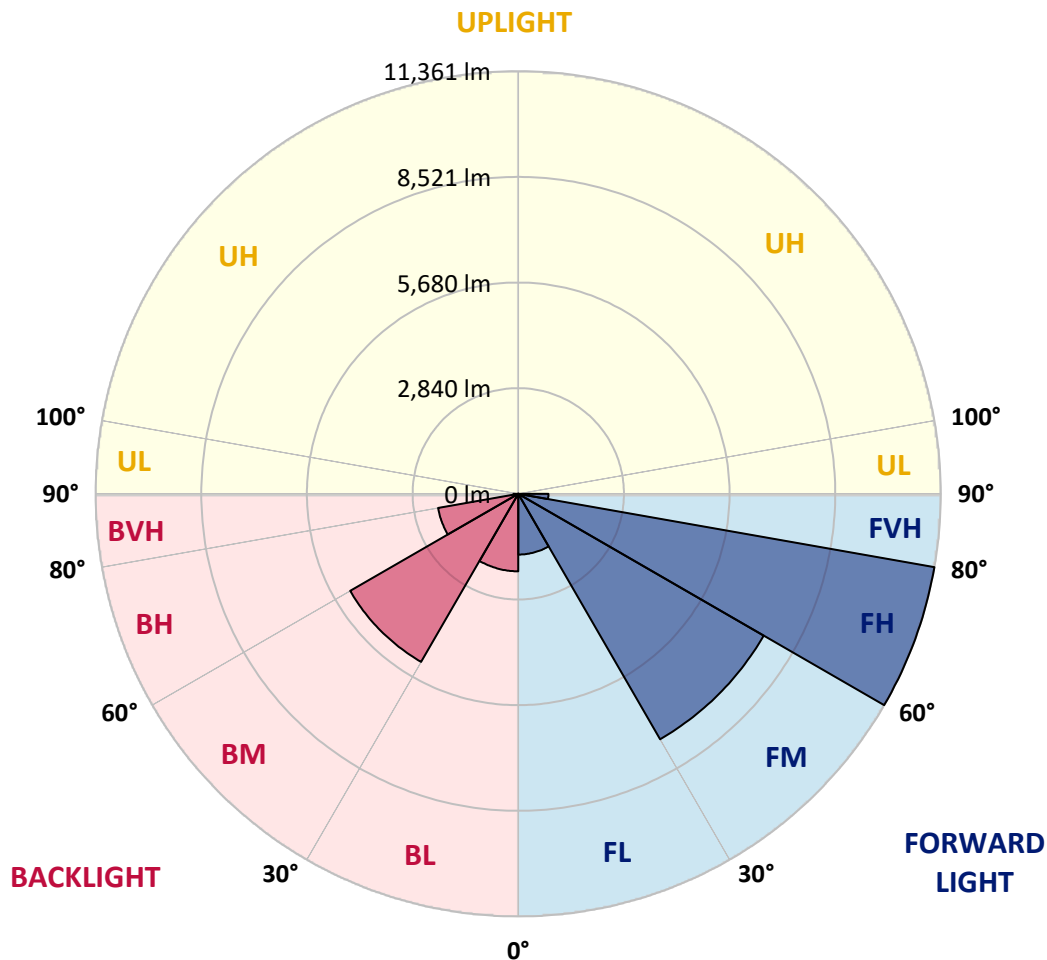


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1632.8 | 5.3 | | | |
| FM (30°-60°) | 7620.1 | 24.5 | | | |
| FH (60°-80°) | 11360.9 | 36.6 | | | G4/12000 |
| FVH (80°-90°) | 810.3 | 2.6 | | | G5 |
| BL (0°-30°) | 2083.3 | 6.7 | B3/2500 | | |
| BM (30°-60°) | 5216.8 | 16.8 | B4/8500 | | |
| BH (60°-80°) | 2188.3 | 7.0 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 129.4 | 0.4 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 40° | 45° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0° | 3549.7 | 3549.7 | 3549.7 | 3549.7 | 3549.7 | 3549.7 | 3549.7 | 3549.7 | 3549.7 | 3549.7 |
| 2.5° | 3495.4 | 3515.1 | 3510.2 | 3503.6 | 3503.6 | 3505.2 | 3503.6 | 3515.1 | 3526.6 | 3538.2 |
| 5° | 3531.6 | 3551.3 | 3541.5 | 3533.2 | 3526.6 | 3525.0 | 3520.1 | 3518.4 | 3525.0 | 3539.8 |
| 7.5° | 3602.4 | 3622.1 | 3607.3 | 3592.5 | 3579.3 | 3572.7 | 3566.2 | 3556.3 | 3551.3 | 3559.6 |
| 10° | 3681.4 | 3701.2 | 3683.1 | 3656.7 | 3635.3 | 3627.1 | 3620.5 | 3610.6 | 3604.0 | 3609.0 |
| 12.5° | 3760.4 | 3780.2 | 3755.5 | 3719.3 | 3691.3 | 3686.3 | 3678.1 | 3674.8 | 3673.2 | 3671.5 |
| 15° | 3834.5 | 3851.0 | 3819.7 | 3776.9 | 3747.3 | 3739.0 | 3730.8 | 3735.7 | 3744.0 | 3753.9 |
| 17.5° | 3892.2 | 3908.6 | 3862.5 | 3806.5 | 3778.5 | 3775.3 | 3770.3 | 3786.8 | 3809.8 | 3834.5 |
| 20° | 3944.8 | 3961.3 | 3902.0 | 3826.3 | 3793.4 | 3793.4 | 3795.0 | 3829.6 | 3862.5 | 3898.7 |
| 22.5° | 4018.9 | 4032.1 | 3959.7 | 3855.9 | 3808.2 | 3811.5 | 3824.6 | 3859.2 | 3900.4 | 3949.8 |
| 25° | 4129.2 | 4139.1 | 4050.2 | 3911.9 | 3857.6 | 3867.5 | 3879.0 | 3895.4 | 3935.0 | 3992.6 |
| 27.5° | 4307.0 | 4315.3 | 4198.4 | 4010.7 | 3928.4 | 3944.8 | 3961.3 | 3949.8 | 3967.9 | 4017.3 |
| 30° | 4557.3 | 4562.2 | 4414.1 | 4165.5 | 4048.6 | 4056.8 | 4060.1 | 4012.3 | 3977.8 | 4017.3 |
| 32.5° | 4853.7 | 4852.0 | 4675.8 | 4353.1 | 4185.2 | 4177.0 | 4149.0 | 4055.1 | 3974.5 | 4009.0 |
| 35° | 5313.0 | 5294.9 | 5067.7 | 4616.6 | 4340.0 | 4288.9 | 4223.1 | 4102.9 | 3990.9 | 4000.8 |
| 37.5° | 6073.7 | 6017.7 | 5703.2 | 5047.9 | 4570.5 | 4440.4 | 4343.3 | 4180.3 | 4027.2 | 3997.5 |
| 40° | 6931.5 | 6860.7 | 6514.9 | 5639.0 | 4916.2 | 4707.1 | 4550.7 | 4290.6 | 4086.4 | 4012.3 |
| 42.5° | 7948.9 | 7848.5 | 7476.4 | 6335.4 | 5354.2 | 5051.2 | 4815.8 | 4430.5 | 4173.7 | 4060.1 |
| 45° | 9198.6 | 9065.2 | 8538.4 | 7120.8 | 5905.7 | 5502.4 | 5187.9 | 4642.9 | 4307.0 | 4152.3 |
| 47.5° | 10461.4 | 10494.3 | 9745.2 | 8019.7 | 6567.6 | 6058.8 | 5653.8 | 4962.3 | 4501.3 | 4300.5 |
| 50° | 11803.2 | 11826.3 | 10945.4 | 9015.8 | 7318.4 | 6687.8 | 6177.4 | 5319.6 | 4771.3 | 4511.2 |
| 52.5° | 12850.4 | 12853.6 | 12035.4 | 10058.0 | 8100.4 | 7379.3 | 6742.1 | 5727.9 | 5084.2 | 4791.1 |
| 55° | 13505.6 | 13497.4 | 12799.3 | 11044.2 | 8999.4 | 8105.4 | 7367.8 | 6192.2 | 5466.1 | 5120.4 |
| 57.5° | 13981.4 | 13956.8 | 13326.2 | 11892.1 | 9957.6 | 8963.1 | 8075.7 | 6719.1 | 5917.3 | 5512.2 |
| 60° | 14162.6 | 14147.7 | 13683.4 | 12624.8 | 10965.2 | 9911.5 | 8892.3 | 7308.5 | 6429.3 | 5974.9 |
| 62.5° | 14231.7 | 14259.7 | 14034.1 | 13334.4 | 12043.6 | 10961.9 | 9789.6 | 8013.2 | 7005.5 | 6498.4 |
| 65° | 14475.4 | 14526.4 | 14480.3 | 14263.0 | 13262.0 | 12191.8 | 10980.0 | 8851.2 | 7634.5 | 7059.9 |
| 67.5° | 14957.8 | 15008.8 | 15028.6 | 15374.3 | 14750.3 | 13724.6 | 12465.1 | 9895.0 | 8370.4 | 7642.7 |
| 70° | 14946.3 | 14931.4 | 15280.5 | 16258.5 | 16614.1 | 15846.8 | 14467.1 | 11179.2 | 9248.0 | 8126.8 |
| 72.5° | 13604.4 | 13485.9 | 14310.7 | 16248.6 | 18165.0 | 18062.9 | 16912.1 | 12835.5 | 10005.3 | 8186.0 |
| 75° | 10206.2 | 9890.1 | 11347.2 | 14643.3 | 18423.5 | 19320.8 | 18466.3 | 13862.9 | 9825.9 | 7232.7 |
| 77.5° | 4364.7 | 4046.9 | 5764.1 | 10840.1 | 16489.0 | 18061.3 | 17040.5 | 12094.6 | 7843.6 | 4782.9 |
| 80° | 1142.6 | 1141.0 | 1741.9 | 4914.6 | 11213.8 | 13337.7 | 11701.1 | 7810.6 | 4481.6 | 1709.0 |
| 82.5° | 472.5 | 461.0 | 640.5 | 1911.5 | 5479.3 | 7484.7 | 6108.2 | 3483.8 | 1618.4 | 462.6 |
| 85° | 176.2 | 174.5 | 311.2 | 660.2 | 1932.9 | 3087.0 | 2234.2 | 890.7 | 403.4 | 225.6 |
| 87.5° | 49.4 | 47.7 | 67.5 | 228.9 | 470.9 | 714.5 | 382.0 | 146.5 | 113.6 | 88.9 |
| 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-SB7B-722-U-SL4

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3549.7 | 0° | 3549.7 | 3549.7 | 3549.7 | 3549.7 | 3549.7 | 3549.7 | 3549.7 | 3549.7 | 3549.7 | 3549.7 |
| 3556.3 | 2.5° | 3561.2 | 3569.5 | 3584.3 | 3595.8 | 3610.6 | 3627.1 | 3650.1 | 3664.9 | 3679.8 | 3689.6 |
| 3564.5 | 5° | 3576.0 | 3594.1 | 3632.0 | 3669.9 | 3714.3 | 3755.5 | 3803.2 | 3837.8 | 3865.8 | 3874.0 |
| 3594.1 | 7.5° | 3609.0 | 3638.6 | 3702.8 | 3767.0 | 3837.8 | 3905.3 | 3974.5 | 4033.7 | 4081.5 | 4099.6 |
| 3646.8 | 10° | 3666.6 | 3706.1 | 3796.7 | 3887.2 | 3981.1 | 4084.8 | 4173.7 | 4259.3 | 4326.8 | 4354.8 |
| 3709.4 | 12.5° | 3739.0 | 3788.4 | 3907.0 | 4032.1 | 4162.2 | 4305.4 | 4420.7 | 4526.0 | 4610.0 | 4647.9 |
| 3796.7 | 15° | 3832.9 | 3897.1 | 4048.6 | 4216.5 | 4407.5 | 4606.7 | 4753.2 | 4870.1 | 4964.0 | 5010.1 |
| 3887.2 | 17.5° | 3935.0 | 4020.6 | 4211.6 | 4465.1 | 4738.4 | 5000.2 | 5171.4 | 5257.0 | 5354.2 | 5398.6 |
| 3971.2 | 20° | 4033.7 | 4139.1 | 4412.4 | 4781.2 | 5145.1 | 5423.3 | 5561.6 | 5584.7 | 5591.3 | 5596.2 |
| 4050.2 | 22.5° | 4135.8 | 4277.4 | 4664.3 | 5179.7 | 5569.9 | 5762.5 | 5782.2 | 5683.5 | 5545.2 | 5481.0 |
| 4127.6 | 25° | 4247.8 | 4435.5 | 4993.6 | 5619.3 | 5935.4 | 5958.4 | 5806.9 | 5566.6 | 5304.8 | 5184.6 |
| 4190.2 | 27.5° | 4356.4 | 4618.2 | 5388.8 | 6039.1 | 6198.8 | 5996.3 | 5670.3 | 5329.5 | 5013.4 | 4886.6 |
| 4234.6 | 30° | 4465.1 | 4827.3 | 5825.1 | 6406.2 | 6319.0 | 5902.4 | 5454.6 | 5074.3 | 4756.5 | 4623.2 |
| 4274.1 | 32.5° | 4575.4 | 5071.0 | 6327.2 | 6671.3 | 6297.6 | 5703.2 | 5186.2 | 4787.8 | 4507.9 | 4368.0 |
| 4308.7 | 35° | 4700.5 | 5370.6 | 6803.0 | 6816.2 | 6154.3 | 5410.2 | 4832.3 | 4445.3 | 4201.7 | 4089.7 |
| 4349.9 | 37.5° | 4863.5 | 5751.0 | 7222.9 | 6852.4 | 5904.1 | 4980.4 | 4392.7 | 4040.3 | 3839.5 | 3788.4 |
| 4410.8 | 40° | 5066.1 | 6208.7 | 7543.9 | 6794.8 | 5533.6 | 4458.5 | 3911.9 | 3630.4 | 3516.8 | 3528.3 |
| 4493.1 | 42.5° | 5329.5 | 6720.7 | 7769.5 | 6646.6 | 5018.3 | 3920.1 | 3490.4 | 3365.3 | 3419.6 | 3465.7 |
| 4616.6 | 45° | 5671.9 | 7252.5 | 7909.4 | 6394.7 | 4435.5 | 3464.1 | 3241.8 | 3271.4 | 3312.6 | 3317.5 |
| 4815.8 | 47.5° | 6109.9 | 7790.9 | 8001.6 | 6014.4 | 3841.1 | 3143.0 | 3083.8 | 3090.3 | 3082.1 | 3047.5 |
| 5113.8 | 50° | 6656.5 | 8314.5 | 8084.0 | 5510.6 | 3335.7 | 2942.2 | 2863.1 | 2840.1 | 2726.5 | 2614.5 |
| 5510.6 | 52.5° | 7278.8 | 8795.2 | 8118.5 | 4884.9 | 2942.2 | 2774.2 | 2645.8 | 2500.9 | 2288.5 | 2254.0 |
| 6009.5 | 55° | 7970.3 | 9239.7 | 8029.6 | 4116.1 | 2611.2 | 2558.5 | 2364.3 | 2189.7 | 2166.7 | 2137.1 |
| 6666.4 | 57.5° | 8796.9 | 9718.9 | 7848.5 | 3258.3 | 2272.1 | 2306.6 | 2117.3 | 2137.1 | 2095.9 | 2049.8 |
| 7511.0 | 60° | 9700.7 | 10214.4 | 7530.8 | 2476.2 | 1921.4 | 1992.2 | 2053.1 | 2051.4 | 2039.9 | 2002.1 |
| 8401.7 | 62.5° | 10514.1 | 10540.4 | 6905.1 | 1896.7 | 1613.5 | 1748.5 | 1914.8 | 1913.1 | 1903.3 | 1881.9 |
| 9331.9 | 65° | 10998.1 | 10491.0 | 5861.3 | 1493.3 | 1359.9 | 1547.6 | 1727.1 | 1740.3 | 1741.9 | 1740.3 |
| 10031.7 | 67.5° | 10912.5 | 9913.1 | 4428.9 | 1188.7 | 1150.9 | 1343.5 | 1541.1 | 1559.2 | 1572.3 | 1575.6 |
| 10120.6 | 70° | 9944.4 | 8643.7 | 2887.8 | 948.3 | 964.8 | 1164.0 | 1364.9 | 1383.0 | 1394.5 | 1407.7 |
| 8782.0 | 72.5° | 7751.4 | 6355.2 | 1653.0 | 767.2 | 801.8 | 1009.3 | 1190.4 | 1211.8 | 1218.4 | 1243.1 |
| 6111.5 | 75° | 4723.6 | 3737.4 | 892.4 | 604.2 | 658.6 | 862.7 | 1017.5 | 1042.2 | 1053.7 | 1083.3 |
| 3001.4 | 77.5° | 2245.7 | 1618.4 | 508.7 | 470.9 | 530.1 | 704.7 | 859.4 | 887.4 | 856.1 | 872.6 |
| 828.2 | 80° | 759.0 | 600.9 | 321.1 | 358.9 | 405.0 | 549.9 | 688.2 | 716.2 | 650.3 | 647.0 |
| 275.0 | 82.5° | 265.1 | 243.7 | 204.2 | 238.7 | 261.8 | 393.5 | 520.3 | 556.5 | 484.0 | 482.4 |
| 123.5 | 85° | 103.7 | 98.8 | 113.6 | 130.1 | 156.4 | 242.0 | 342.5 | 360.6 | 298.0 | 240.4 |
| 36.2 | 87.5° | 21.4 | 23.0 | 28.0 | 29.6 | 47.7 | 84.0 | 123.5 | 151.5 | 120.2 | 102.1 |
| 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> |
|-------------|
| 3549.7 |
| 3683.1 |
| 3877.3 |
| 4101.2 |
| 4356.4 |
| 4647.9 |
| 5006.8 |
| 5397.0 |
| 5609.4 |
| 5499.1 |
| 5202.7 |
| 4901.4 |
| 4638.0 |
| 4386.1 |
| 4114.4 |
| 3824.6 |
| 3567.8 |
| 3508.5 |
| 3350.5 |
| 3073.9 |
| 2629.3 |
| 2265.5 |
| 2142.0 |
| 2041.6 |
| 1988.9 |
| 1873.6 |
| 1740.3 |
| 1578.9 |
| 1414.3 |
| 1252.9 |
| 1086.6 |
| 859.4 |
| 640.5 |
| 459.4 |
| 237.1 |
| 93.8 |
| 0.0 |

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