

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: P848957

Luminaire Tested: **GLAN-SB5D-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5D-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39561 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

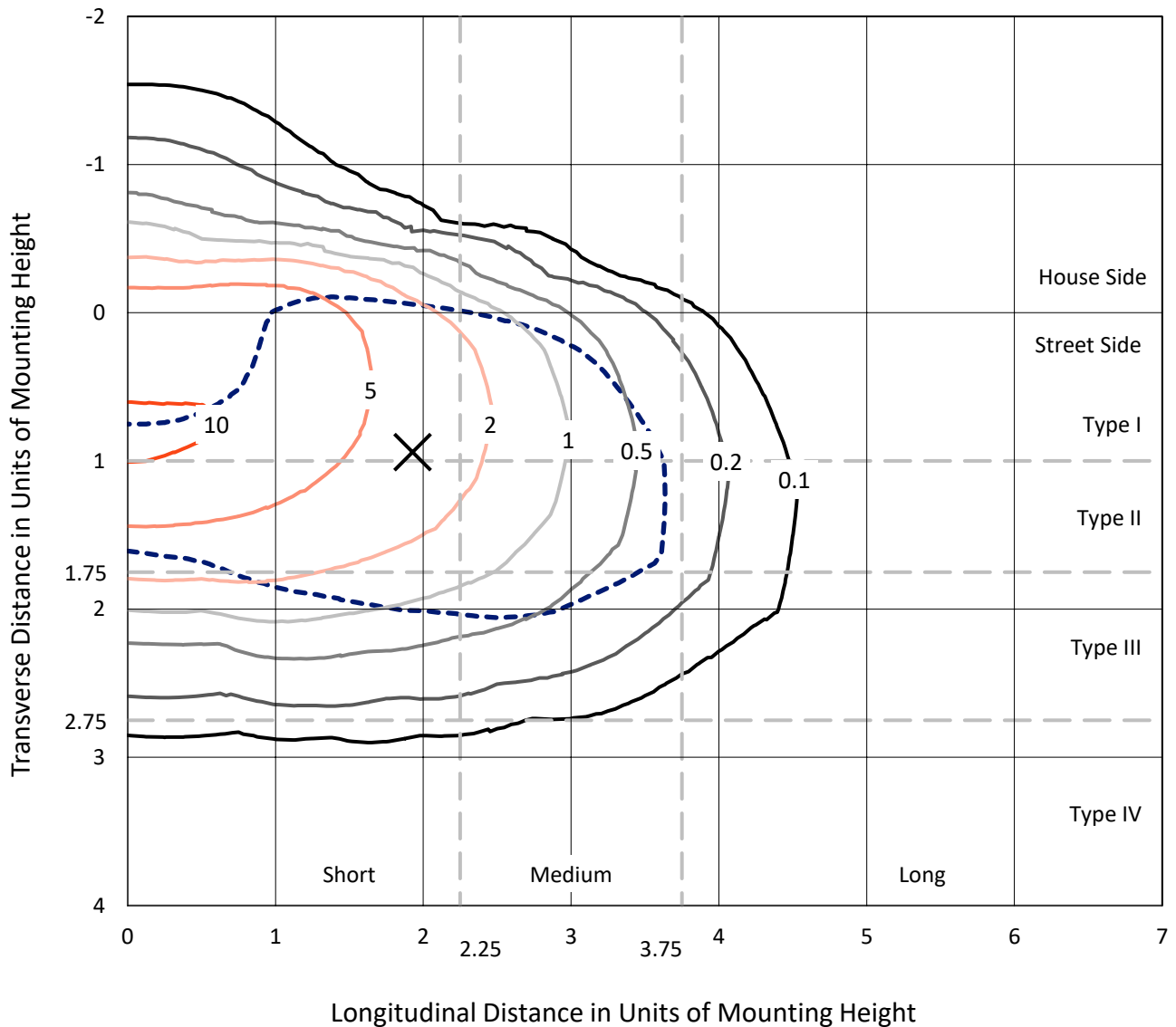
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

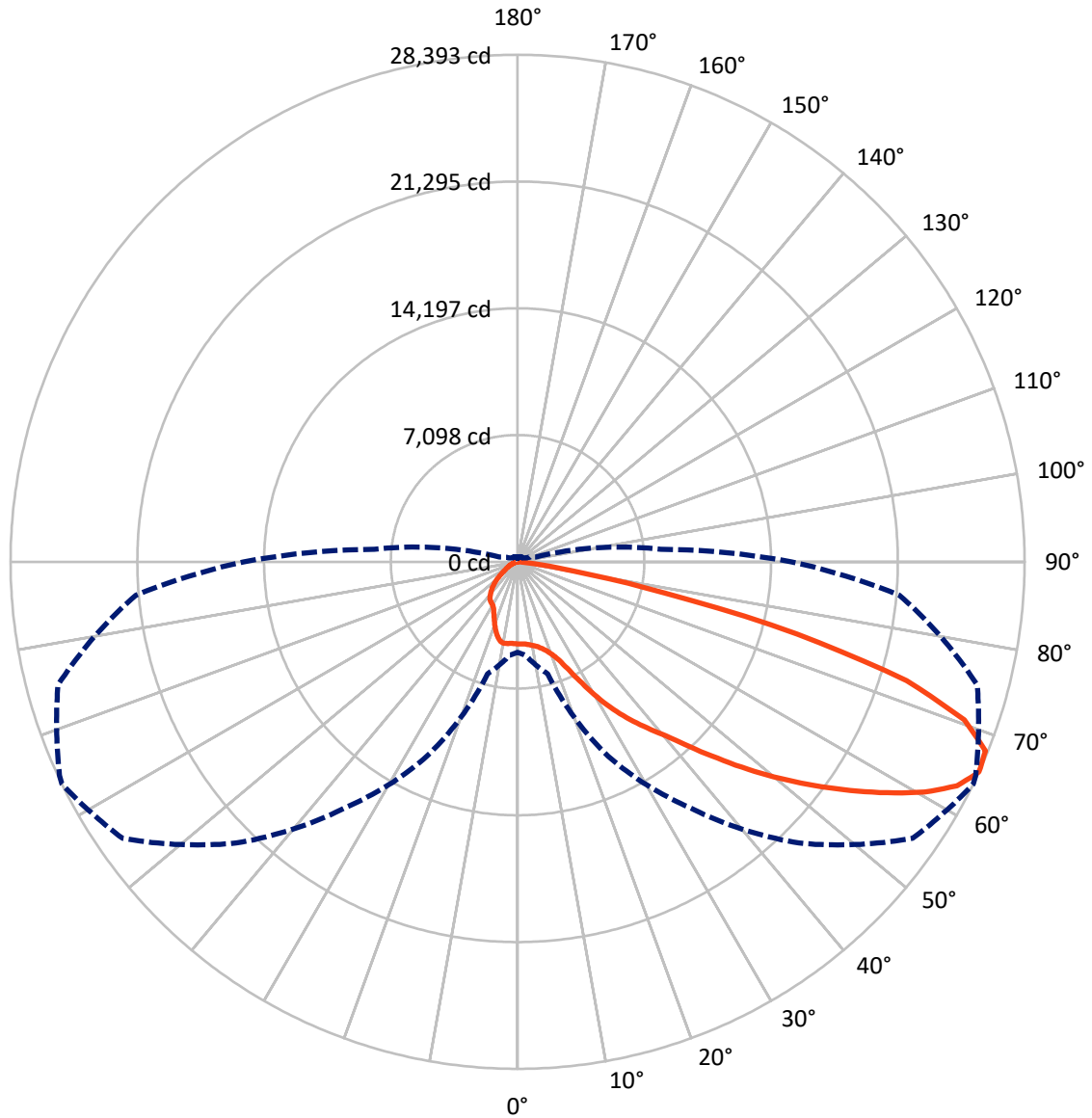
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5290.5 | 0.0 | 5290.5 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 34270.5 | 0.0 | 34270.5 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 39561.0 | 0.0 | 39561.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 424.5 | 1.1 |
| 10°-20° | 1151.4 | 2.9 |
| 20°-30° | 2181.8 | 5.5 |
| 30°-40° | 4415.0 | 11.2 |
| 40°-50° | 7521.0 | 19.0 |
| 50°-60° | 10228.0 | 25.9 |
| 60°-70° | 9604.6 | 24.3 |
| 70°-80° | 3848.0 | 9.7 |
| 80°-90° | 186.4 | 0.5 |
| 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° | 39561.0 | 100.0 |
| 0°-180° | 39561.0 | 100.0 |

Coefficient of Utilization



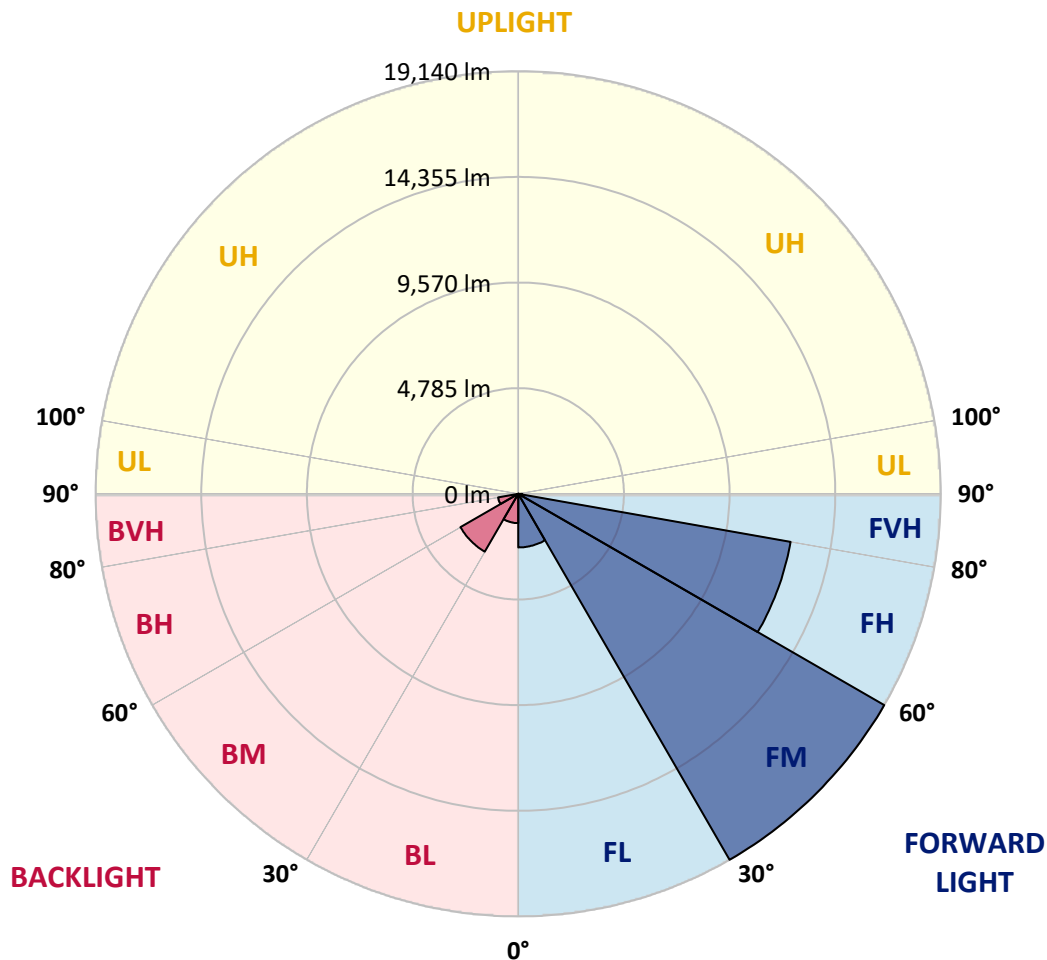
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2429.5 | 6.1 | | | |
| FM (30°-60°) | 19139.6 | 48.4 | | | |
| FH (60°-80°) | 12524.1 | 31.7 | | | G5 |
| FVH (80°-90°) | 177.3 | 0.4 | | | G2/225 |
| BL (0°-30°) | 1328.3 | 3.4 | B3/2500 | | |
| BM (30°-60°) | 3024.5 | 7.6 | B3/5000 | | |
| BH (60°-80°) | 928.6 | 2.3 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 9.1 | 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-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4601.4 | 4601.4 | 4601.4 | 4601.4 | 4601.4 | 4601.4 | 4601.4 | 4601.4 | 4601.4 | 4601.4 |
| 2.5° | 4585.4 | 4617.3 | 4609.3 | 4601.4 | 4598.7 | 4604.0 | 4606.7 | 4604.0 | 4604.0 | 4604.0 |
| 5° | 4497.9 | 4524.4 | 4524.4 | 4543.0 | 4569.5 | 4601.4 | 4625.2 | 4630.5 | 4635.8 | 4643.8 |
| 7.5° | 4330.8 | 4352.1 | 4368.0 | 4429.0 | 4495.3 | 4580.1 | 4651.7 | 4688.9 | 4694.2 | 4723.4 |
| 10° | 4216.8 | 4243.3 | 4269.8 | 4333.5 | 4429.0 | 4556.3 | 4678.3 | 4768.4 | 4781.7 | 4850.7 |
| 12.5° | 4211.5 | 4238.0 | 4272.5 | 4341.5 | 4452.8 | 4588.1 | 4736.6 | 4866.6 | 4890.4 | 4991.2 |
| 15° | 4267.2 | 4299.0 | 4330.8 | 4415.7 | 4535.1 | 4699.5 | 4858.6 | 5020.4 | 5044.3 | 5187.5 |
| 17.5° | 4381.2 | 4423.7 | 4447.5 | 4532.4 | 4659.7 | 4842.7 | 5052.2 | 5237.9 | 5259.1 | 5426.2 |
| 20° | 4606.7 | 4657.0 | 4665.0 | 4734.0 | 4858.6 | 5054.9 | 5304.2 | 5534.9 | 5561.4 | 5752.4 |
| 22.5° | 5073.4 | 5145.0 | 5081.4 | 5115.9 | 5227.2 | 5423.5 | 5694.0 | 5985.7 | 6022.9 | 6240.3 |
| 25° | 5895.6 | 5996.3 | 5831.9 | 5773.6 | 5821.3 | 6025.5 | 6365.0 | 6733.6 | 6776.1 | 6951.1 |
| 27.5° | 7510.7 | 7380.7 | 7131.4 | 6887.4 | 6744.2 | 6860.9 | 7242.8 | 7699.0 | 7752.0 | 7921.8 |
| 30° | 9284.9 | 9170.9 | 8834.1 | 8293.0 | 7953.6 | 7935.0 | 8287.7 | 8796.9 | 8857.9 | 9019.7 |
| 32.5° | 11061.8 | 10953.1 | 10587.1 | 9921.4 | 9332.7 | 9040.9 | 9284.9 | 9849.8 | 9881.6 | 9985.1 |
| 35° | 12809.5 | 12698.1 | 12332.2 | 11650.6 | 10926.6 | 10263.5 | 10215.8 | 10852.3 | 10862.9 | 10971.6 |
| 37.5° | 14567.9 | 14475.0 | 14085.2 | 13416.9 | 12703.5 | 11788.5 | 11345.6 | 11801.7 | 11815.0 | 11921.1 |
| 40° | 15822.3 | 15862.1 | 15594.2 | 15077.1 | 14464.4 | 13464.6 | 12613.3 | 12812.2 | 12732.6 | 12910.3 |
| 42.5° | 16899.0 | 16978.6 | 16745.2 | 16485.3 | 16129.9 | 15249.4 | 14183.3 | 14148.8 | 14021.5 | 14117.0 |
| 45° | 17829.9 | 17896.2 | 17686.7 | 17625.7 | 17617.8 | 16999.8 | 15899.2 | 15692.3 | 15514.7 | 15496.1 |
| 47.5° | 18172.0 | 18299.3 | 18389.5 | 18593.7 | 18991.5 | 18731.6 | 17673.4 | 17352.5 | 17153.6 | 17007.8 |
| 50° | 18302.0 | 18437.2 | 18744.9 | 19339.0 | 20280.4 | 20391.8 | 19439.7 | 19079.0 | 18835.1 | 18569.8 |
| 52.5° | 18127.0 | 18368.3 | 18782.0 | 19781.8 | 21147.7 | 21723.2 | 21134.4 | 20818.8 | 20540.3 | 20108.1 |
| 55° | 17095.3 | 17336.6 | 18182.6 | 19776.5 | 21580.0 | 22656.7 | 22736.3 | 22595.7 | 22282.8 | 21601.2 |
| 57.5° | 14920.6 | 15278.6 | 16617.9 | 19102.9 | 21572.0 | 23460.3 | 24306.3 | 24407.1 | 24057.0 | 23081.0 |
| 60° | 11907.8 | 12393.2 | 14026.8 | 17609.8 | 20906.3 | 23895.2 | 25682.7 | 26186.6 | 25815.3 | 24539.7 |
| 62.5° | 8309.0 | 8871.2 | 10417.4 | 15270.7 | 19384.0 | 23582.3 | 26687.9 | 27618.7 | 27337.6 | 25844.5 |
| 65° | 5068.1 | 5248.5 | 6494.9 | 12016.6 | 16795.6 | 22272.1 | 26998.2 | 28393.1 | 28300.3 | 26642.8 |
| 67.5° | 3376.1 | 3527.3 | 3885.3 | 8240.0 | 13037.6 | 19654.5 | 26255.6 | 28257.9 | 28284.4 | 26512.8 |
| 70° | 2034.1 | 2164.1 | 2397.5 | 4792.3 | 8449.5 | 15557.1 | 23956.2 | 26534.0 | 26687.9 | 24775.7 |
| 72.5° | 838.1 | 925.6 | 1137.7 | 2172.1 | 4375.9 | 9873.7 | 19076.4 | 22781.3 | 23139.4 | 20832.1 |
| 75° | 474.7 | 519.8 | 668.3 | 1090.0 | 1898.9 | 4601.4 | 11555.1 | 16172.4 | 16700.1 | 14358.3 |
| 77.5° | 315.6 | 336.8 | 432.3 | 705.5 | 1068.8 | 1570.0 | 4938.2 | 8425.7 | 9433.4 | 7842.2 |
| 80° | 212.2 | 230.7 | 297.0 | 472.1 | 694.8 | 673.6 | 1572.7 | 3121.5 | 3840.2 | 2694.5 |
| 82.5° | 143.2 | 145.9 | 212.2 | 310.3 | 440.2 | 326.2 | 464.1 | 970.7 | 1220.0 | 779.7 |
| 85° | 82.2 | 79.6 | 156.5 | 180.3 | 196.3 | 135.3 | 140.6 | 291.7 | 381.9 | 328.9 |
| 87.5° | 10.6 | 15.9 | 61.0 | 47.7 | 26.5 | 29.2 | 29.2 | 50.4 | 74.3 | 79.6 |
| 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):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4601.4 | 0° | 4601.4 | 4601.4 | 4601.4 | 4601.4 | 4601.4 | 4601.4 | 4601.4 | 4601.4 | 4601.4 | 4601.4 |
| 4606.7 | 2.5° | 4606.7 | 4604.0 | 4596.1 | 4588.1 | 4569.5 | 4558.9 | 4564.2 | 4558.9 | 4556.3 | 4558.9 |
| 4641.1 | 5° | 4641.1 | 4633.2 | 4612.0 | 4585.4 | 4548.3 | 4503.2 | 4474.1 | 4431.6 | 4391.8 | 4368.0 |
| 4734.0 | 7.5° | 4734.0 | 4726.0 | 4696.8 | 4622.6 | 4503.2 | 4314.9 | 4142.5 | 3991.4 | 3877.3 | 3811.0 |
| 4882.5 | 10° | 4882.5 | 4869.2 | 4824.1 | 4659.7 | 4346.8 | 3935.7 | 3593.6 | 3309.8 | 3124.1 | 3036.6 |
| 5057.5 | 12.5° | 5057.5 | 5041.6 | 4962.0 | 4625.2 | 4049.7 | 3407.9 | 2935.9 | 2620.3 | 2447.9 | 2371.0 |
| 5259.1 | 15° | 5264.4 | 5243.2 | 5086.7 | 4460.8 | 3617.4 | 2824.5 | 2392.2 | 2156.1 | 2044.8 | 1975.8 |
| 5516.3 | 17.5° | 5521.6 | 5484.5 | 5179.5 | 4214.2 | 3148.0 | 2378.9 | 2058.0 | 1880.3 | 1782.2 | 1715.9 |
| 5853.1 | 20° | 5855.8 | 5794.8 | 5253.8 | 3919.8 | 2715.7 | 2097.8 | 1832.6 | 1684.1 | 1609.8 | 1551.5 |
| 6330.5 | 22.5° | 6322.6 | 6235.0 | 5343.9 | 3601.5 | 2410.7 | 1904.2 | 1665.5 | 1556.8 | 1495.8 | 1429.5 |
| 6996.2 | 25° | 6900.7 | 6797.3 | 5455.3 | 3307.1 | 2201.2 | 1737.1 | 1543.5 | 1453.3 | 1381.7 | 1304.8 |
| 7868.7 | 27.5° | 7709.6 | 7523.9 | 5587.9 | 3065.8 | 2020.9 | 1593.9 | 1432.1 | 1331.3 | 1249.1 | 1185.5 |
| 8857.9 | 30° | 8611.3 | 8306.3 | 5704.6 | 2919.9 | 1856.5 | 1461.3 | 1286.3 | 1185.5 | 1108.6 | 1063.5 |
| 9746.4 | 32.5° | 9465.3 | 9051.5 | 5781.5 | 2856.3 | 1707.9 | 1310.1 | 1127.1 | 1018.4 | 960.1 | 946.8 |
| 10616.3 | 35° | 10271.5 | 9725.2 | 5773.6 | 2795.3 | 1575.3 | 1159.0 | 970.7 | 859.3 | 814.2 | 822.1 |
| 11552.5 | 37.5° | 11199.7 | 10443.9 | 5717.9 | 2699.8 | 1466.6 | 1021.0 | 835.4 | 737.3 | 697.5 | 700.1 |
| 12690.2 | 40° | 12279.1 | 11274.0 | 5683.4 | 2519.5 | 1347.3 | 893.8 | 724.0 | 644.5 | 615.3 | 604.7 |
| 13888.9 | 42.5° | 13430.1 | 12077.6 | 5688.7 | 2315.3 | 1198.7 | 779.7 | 647.1 | 580.8 | 554.3 | 546.3 |
| 15222.9 | 45° | 14586.4 | 12844.0 | 5696.7 | 2103.1 | 1042.3 | 692.2 | 591.4 | 535.7 | 519.8 | 509.2 |
| 16575.5 | 47.5° | 15673.8 | 13496.4 | 5548.1 | 1875.0 | 888.4 | 625.9 | 546.3 | 509.2 | 495.9 | 482.7 |
| 17933.4 | 50° | 16686.9 | 13931.4 | 5190.1 | 1609.8 | 766.5 | 572.8 | 511.9 | 485.3 | 472.1 | 458.8 |
| 19163.9 | 52.5° | 17474.5 | 14000.3 | 4598.7 | 1336.6 | 681.6 | 533.1 | 490.6 | 466.8 | 450.9 | 437.6 |
| 20158.4 | 55° | 17824.6 | 13568.0 | 3758.0 | 1082.0 | 615.3 | 498.6 | 469.4 | 445.5 | 427.0 | 413.7 |
| 20940.8 | 57.5° | 17734.4 | 12658.4 | 2930.5 | 869.9 | 551.6 | 464.1 | 442.9 | 427.0 | 405.8 | 384.6 |
| 21574.7 | 60° | 17291.5 | 11441.1 | 2209.2 | 724.0 | 493.3 | 427.0 | 413.7 | 400.5 | 371.3 | 339.5 |
| 21818.6 | 62.5° | 16525.1 | 9910.8 | 1575.3 | 599.4 | 429.6 | 384.6 | 379.2 | 368.6 | 326.2 | 267.9 |
| 21458.0 | 65° | 15352.9 | 8051.7 | 1060.8 | 498.6 | 368.6 | 336.8 | 339.5 | 320.9 | 265.2 | 198.9 |
| 20137.2 | 67.5° | 13639.6 | 5887.6 | 678.9 | 408.4 | 307.6 | 281.1 | 283.8 | 273.2 | 225.4 | 169.7 |
| 17633.7 | 70° | 11457.0 | 3898.6 | 442.9 | 310.3 | 246.6 | 217.5 | 233.4 | 236.0 | 190.9 | 137.9 |
| 13533.6 | 72.5° | 8399.1 | 2302.0 | 310.3 | 230.7 | 180.3 | 151.2 | 190.9 | 196.3 | 153.8 | 103.4 |
| 8141.9 | 75° | 4787.0 | 1092.7 | 233.4 | 167.1 | 111.4 | 106.1 | 148.5 | 148.5 | 106.1 | 69.0 |
| 3524.6 | 77.5° | 2010.3 | 456.2 | 164.4 | 108.7 | 63.6 | 61.0 | 100.8 | 92.8 | 53.0 | 31.8 |
| 859.3 | 80° | 580.8 | 204.2 | 87.5 | 53.0 | 26.5 | 23.9 | 39.8 | 29.2 | 13.3 | 5.3 |
| 326.2 | 82.5° | 228.1 | 90.2 | 34.5 | 21.2 | 10.6 | 10.6 | 5.3 | 0.0 | 0.0 | 0.0 |
| 185.6 | 85° | 135.3 | 37.1 | 15.9 | 8.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 39.8 | 87.5° | 34.5 | 8.0 | 5.3 | 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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| 180° |
|--------|
| 4601.4 |
| 4569.5 |
| 4373.3 |
| 3813.7 |
| 3028.7 |
| 2363.0 |
| 1978.5 |
| 1710.6 |
| 1540.9 |
| 1418.9 |
| 1296.9 |
| 1172.2 |
| 1055.5 |
| 954.7 |
| 822.1 |
| 710.8 |
| 602.0 |
| 543.7 |
| 509.2 |
| 482.7 |
| 458.8 |
| 434.9 |
| 411.1 |
| 381.9 |
| 334.2 |
| 262.6 |
| 193.6 |
| 161.8 |
| 132.6 |
| 98.1 |
| 63.6 |
| 31.8 |
| 5.3 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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