

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: P848845

Luminaire Tested: **GLAN-SB5C-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22873 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

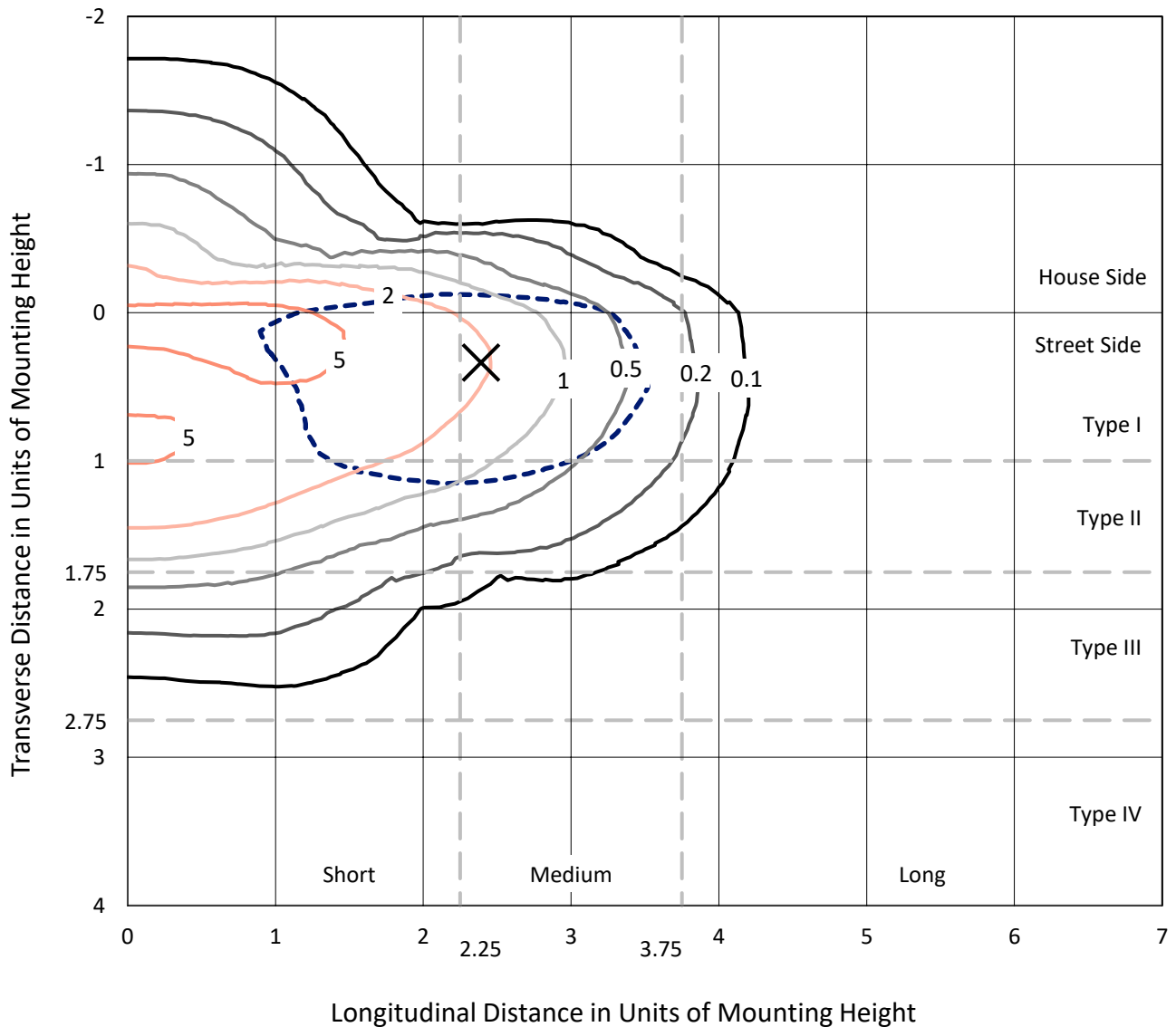
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

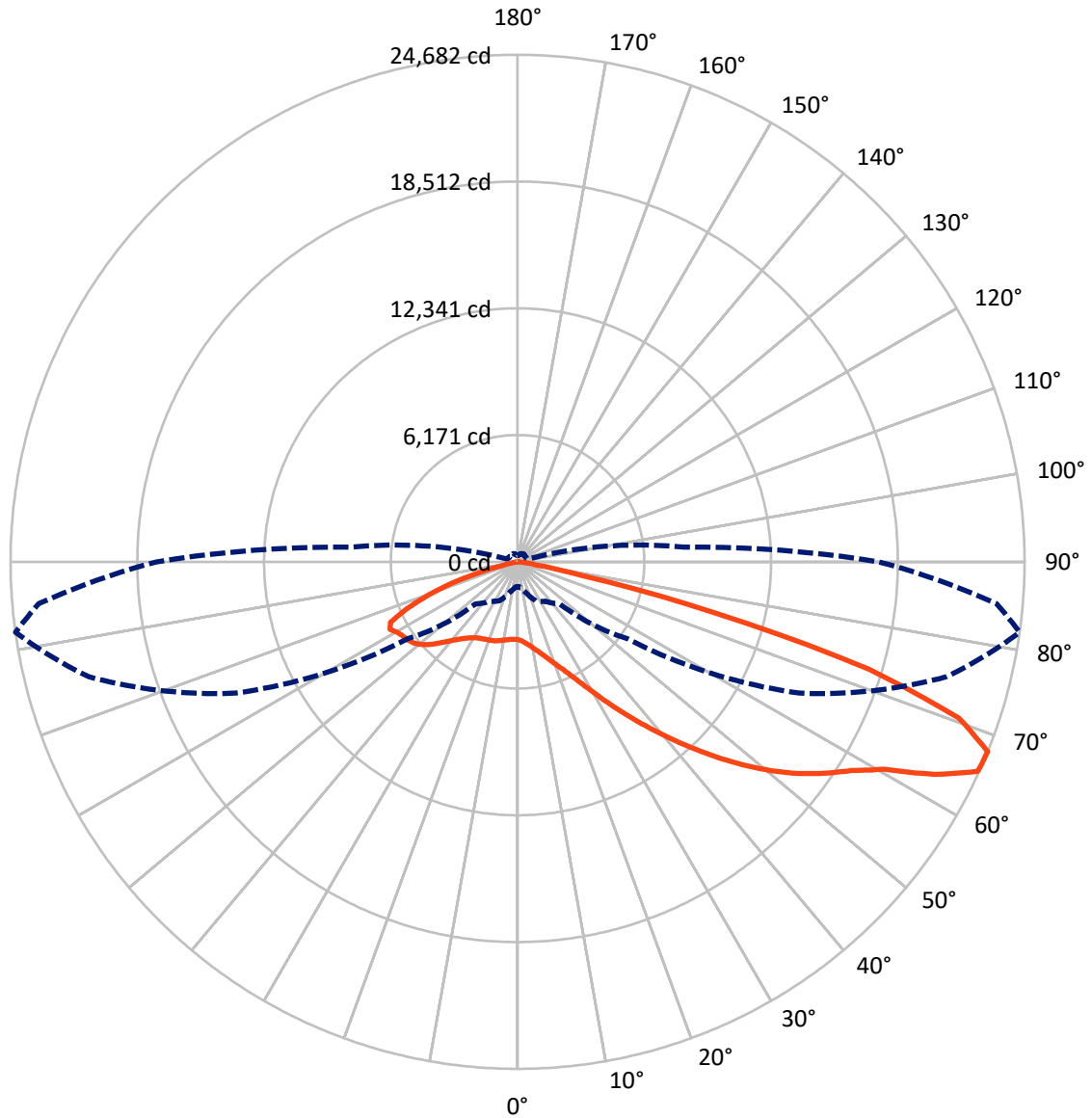
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4143.2 | 0.0 | 4143.2 |
| | % Fixture | 18.1 | 0.0 | 18.1 |
| Street Side | Lumens | 18729.8 | 0.0 | 18729.8 |
| | % Fixture | 81.9 | 0.0 | 81.9 |
| Total | Lumens | 22873.0 | 0.0 | 22873.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 337.6 | 1.5 |
| 10°-20° | 877.3 | 3.8 |
| 20°-30° | 1405.1 | 6.1 |
| 30°-40° | 2484.7 | 10.9 |
| 40°-50° | 4353.4 | 19.0 |
| 50°-60° | 5806.2 | 25.4 |
| 60°-70° | 5405.3 | 23.6 |
| 70°-80° | 2074.5 | 9.1 |
| 80°-90° | 128.8 | 0.6 |
| 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° | 22873.0 | 100.0 |
| 0°-180° | 22873.0 | 100.0 |

Coefficient of Utilization

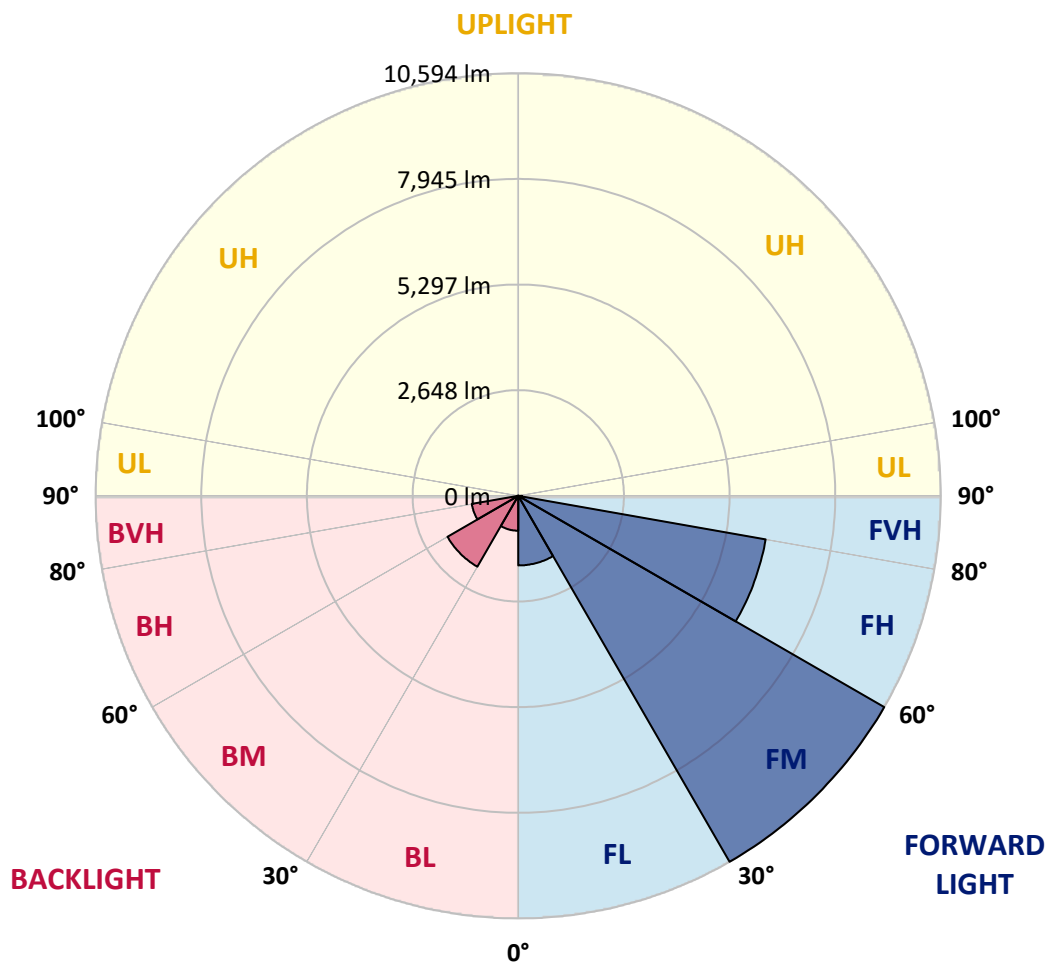


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1745.0 | 7.6 | | | |
| FM (30°-60°) | 10593.8 | 46.3 | | | |
| FH (60°-80°) | 6297.3 | 27.5 | | | G3/7500 |
| FVH (80°-90°) | 93.7 | 0.4 | | | G1/100 |
| BL (0°-30°) | 875.0 | 3.8 | B2/1000 | | |
| BM (30°-60°) | 2050.5 | 9.0 | B2/2500 | | |
| BH (60°-80°) | 1182.6 | 5.2 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 35.2 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0° | 3789.3 | 3789.3 | 3789.3 | 3789.3 | 3789.3 | 3789.3 | 3789.3 | 3789.3 | 3789.3 | 3789.3 |
| 2.5° | 4005.0 | 4028.1 | 4014.9 | 4008.3 | 3996.8 | 3980.3 | 3967.1 | 3926.0 | 3883.1 | 3855.2 |
| 5° | 4085.7 | 4108.8 | 4107.1 | 4113.7 | 4121.9 | 4126.9 | 4123.6 | 4077.5 | 4016.5 | 3968.8 |
| 7.5° | 4016.5 | 4042.9 | 4064.3 | 4097.2 | 4154.9 | 4215.8 | 4245.4 | 4235.6 | 4173.0 | 4107.1 |
| 10° | 3820.6 | 3848.6 | 3899.6 | 3977.0 | 4098.9 | 4230.6 | 4341.0 | 4392.0 | 4352.5 | 4280.0 |
| 12.5° | 3461.6 | 3489.6 | 3590.0 | 3758.0 | 3962.2 | 4191.1 | 4401.9 | 4538.6 | 4548.5 | 4476.0 |
| 15° | 3058.1 | 3086.1 | 3193.1 | 3403.9 | 3715.2 | 4082.4 | 4434.8 | 4693.4 | 4780.7 | 4718.1 |
| 17.5° | 2807.8 | 2832.5 | 2913.2 | 3082.8 | 3407.2 | 3865.0 | 4423.3 | 4858.1 | 5057.3 | 5007.9 |
| 20° | 2732.0 | 2753.4 | 2791.3 | 2909.9 | 3180.0 | 3639.4 | 4347.5 | 5012.9 | 5355.4 | 5327.4 |
| 22.5° | 2812.7 | 2832.5 | 2844.0 | 2896.7 | 3066.3 | 3491.2 | 4252.0 | 5170.9 | 5701.2 | 5704.5 |
| 25° | 2998.8 | 3018.6 | 3005.4 | 3038.3 | 3112.4 | 3445.1 | 4215.8 | 5357.0 | 6136.0 | 6172.2 |
| 27.5° | 3305.1 | 3306.8 | 3275.5 | 3273.8 | 3285.4 | 3514.3 | 4253.7 | 5556.3 | 6684.4 | 6751.9 |
| 30° | 3919.4 | 3894.7 | 3774.5 | 3644.4 | 3585.1 | 3721.8 | 4359.1 | 5791.8 | 7331.5 | 7451.8 |
| 32.5° | 4866.3 | 4830.1 | 4609.4 | 4298.1 | 3985.3 | 4056.1 | 4548.5 | 6060.2 | 8036.4 | 8253.8 |
| 35° | 5893.9 | 5884.0 | 5653.5 | 5190.7 | 4644.0 | 4532.0 | 4856.4 | 6412.6 | 8805.4 | 9151.3 |
| 37.5° | 6849.0 | 6844.1 | 6712.3 | 6167.3 | 5502.0 | 5195.6 | 5350.4 | 6873.7 | 9628.8 | 10129.5 |
| 40° | 7721.8 | 7736.7 | 7604.9 | 7117.5 | 6447.2 | 6047.0 | 6022.3 | 7443.5 | 10544.4 | 11194.9 |
| 42.5° | 8476.1 | 8492.5 | 8359.1 | 7998.5 | 7380.9 | 6989.0 | 6847.4 | 8141.8 | 11438.7 | 12339.5 |
| 45° | 8988.2 | 9090.3 | 9070.6 | 8782.4 | 8339.4 | 7932.6 | 7838.8 | 9017.9 | 12458.0 | 13553.1 |
| 47.5° | 9133.1 | 9227.0 | 9375.2 | 9414.7 | 9144.7 | 8744.5 | 8856.5 | 10073.5 | 13488.9 | 14768.5 |
| 50° | 8775.8 | 8863.1 | 9171.0 | 9581.1 | 9768.8 | 9645.3 | 9846.2 | 11204.8 | 14544.5 | 15980.5 |
| 52.5° | 8071.0 | 8159.9 | 8548.5 | 9197.4 | 9963.1 | 10351.8 | 10839.2 | 12319.7 | 15567.2 | 17128.3 |
| 55° | 7051.6 | 7145.5 | 7644.4 | 8378.9 | 9592.6 | 10643.3 | 11667.6 | 13432.9 | 16504.2 | 18160.9 |
| 57.5° | 5665.0 | 5734.2 | 6252.9 | 7280.5 | 8660.5 | 10353.4 | 12278.5 | 14648.3 | 17386.9 | 19175.3 |
| 60° | 3692.1 | 3753.1 | 4355.8 | 5502.0 | 7115.8 | 9385.1 | 12400.4 | 16003.6 | 18559.4 | 20494.4 |
| 62.5° | 2455.4 | 2496.5 | 2853.9 | 3695.4 | 5011.2 | 7525.9 | 11687.3 | 17085.5 | 20278.7 | 22790.0 |
| 65° | 1684.7 | 1725.8 | 2083.2 | 2669.5 | 3237.6 | 4978.3 | 9637.1 | 16942.3 | 21836.5 | 24613.0 |
| 67.5° | 1202.2 | 1236.7 | 1539.8 | 2093.1 | 2343.4 | 2891.8 | 6532.8 | 15111.0 | 21612.6 | 24682.2 |
| 70° | 861.3 | 881.0 | 1131.4 | 1630.3 | 1862.5 | 1737.4 | 3632.8 | 11557.2 | 18923.4 | 22791.7 |
| 72.5° | 602.7 | 609.3 | 785.5 | 1241.7 | 1500.2 | 1268.0 | 1729.1 | 7705.4 | 14312.3 | 17889.2 |
| 75° | 408.4 | 416.6 | 528.6 | 910.7 | 1203.8 | 968.3 | 915.6 | 4131.8 | 8402.0 | 9902.2 |
| 77.5° | 250.3 | 253.6 | 340.9 | 622.5 | 900.8 | 737.8 | 589.6 | 1750.5 | 3250.8 | 3191.5 |
| 80° | 141.6 | 141.6 | 217.4 | 387.0 | 614.3 | 475.9 | 413.3 | 744.4 | 1029.2 | 904.1 |
| 82.5° | 79.0 | 80.7 | 158.1 | 240.4 | 406.8 | 281.6 | 227.3 | 344.2 | 444.6 | 393.6 |
| 85° | 32.9 | 36.2 | 97.2 | 113.6 | 194.3 | 140.0 | 92.2 | 144.9 | 164.7 | 146.6 |
| 87.5° | 3.3 | 4.9 | 29.6 | 21.4 | 23.1 | 28.0 | 13.2 | 28.0 | 23.1 | 23.1 |
| 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° |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3789.3 | 0° | 3789.3 | 3789.3 | 3789.3 | 3789.3 | 3789.3 | 3789.3 | 3789.3 | 3789.3 | 3789.3 | 3789.3 |
| 3845.3 | 2.5° | 3814.0 | 3789.3 | 3726.7 | 3654.2 | 3558.7 | 3512.6 | 3450.0 | 3407.2 | 3371.0 | 3374.3 |
| 3940.8 | 5° | 3888.1 | 3825.5 | 3685.5 | 3511.0 | 3293.6 | 3138.8 | 2974.1 | 2860.5 | 2768.3 | 2748.5 |
| 4072.5 | 7.5° | 3990.2 | 3891.4 | 3646.0 | 3331.5 | 2964.2 | 2685.9 | 2437.3 | 2277.5 | 2163.9 | 2127.7 |
| 4232.3 | 10° | 4121.9 | 3978.7 | 3595.0 | 3105.9 | 2577.2 | 2223.2 | 1956.4 | 1831.2 | 1753.8 | 1727.5 |
| 4420.0 | 12.5° | 4275.1 | 4079.1 | 3527.4 | 2830.8 | 2178.7 | 1837.8 | 1668.2 | 1605.6 | 1580.9 | 1572.7 |
| 4650.6 | 15° | 4467.8 | 4204.3 | 3425.3 | 2504.8 | 1841.1 | 1602.3 | 1529.9 | 1521.6 | 1524.9 | 1521.6 |
| 4927.2 | 17.5° | 4696.7 | 4341.0 | 3259.0 | 2168.8 | 1613.9 | 1482.1 | 1455.8 | 1462.4 | 1470.6 | 1468.9 |
| 5236.8 | 20° | 4947.0 | 4476.0 | 3046.6 | 1870.8 | 1459.1 | 1396.5 | 1381.7 | 1388.3 | 1394.8 | 1391.5 |
| 5594.2 | 22.5° | 5231.9 | 4620.9 | 2811.1 | 1638.6 | 1355.3 | 1317.4 | 1301.0 | 1302.6 | 1302.6 | 1296.0 |
| 6047.0 | 25° | 5572.8 | 4780.7 | 2564.1 | 1473.9 | 1276.3 | 1246.6 | 1226.9 | 1220.3 | 1210.4 | 1190.6 |
| 6597.1 | 27.5° | 5979.5 | 4950.3 | 2326.9 | 1358.6 | 1213.7 | 1185.7 | 1162.6 | 1146.2 | 1121.5 | 1088.5 |
| 7257.4 | 30° | 6437.3 | 5156.1 | 2126.0 | 1286.1 | 1164.3 | 1136.3 | 1109.9 | 1085.2 | 1049.0 | 1007.8 |
| 8016.6 | 32.5° | 6975.8 | 5376.8 | 1979.5 | 1238.4 | 1119.8 | 1090.2 | 1058.9 | 1029.2 | 989.7 | 948.6 |
| 8869.7 | 35° | 7618.1 | 5643.6 | 1893.8 | 1205.5 | 1085.2 | 1045.7 | 1011.1 | 978.2 | 948.6 | 912.3 |
| 9796.8 | 37.5° | 8314.7 | 5926.8 | 1867.5 | 1189.0 | 1062.2 | 1001.3 | 961.7 | 938.7 | 935.4 | 914.0 |
| 10799.7 | 40° | 9077.2 | 6262.8 | 1887.2 | 1179.1 | 1037.5 | 958.4 | 915.6 | 910.7 | 918.9 | 881.0 |
| 11871.8 | 42.5° | 9884.1 | 6661.3 | 1920.2 | 1167.6 | 1002.9 | 915.6 | 874.4 | 874.4 | 867.9 | 815.2 |
| 13004.8 | 45° | 10756.9 | 7120.8 | 1953.1 | 1139.6 | 961.7 | 872.8 | 841.5 | 830.0 | 802.0 | 750.9 |
| 14144.3 | 47.5° | 11636.3 | 7588.4 | 1977.8 | 1088.5 | 912.3 | 836.6 | 808.6 | 782.2 | 741.1 | 694.9 |
| 15262.5 | 50° | 12471.2 | 8008.4 | 1951.5 | 1012.8 | 856.3 | 802.0 | 772.3 | 736.1 | 691.7 | 660.4 |
| 16321.4 | 52.5° | 13217.2 | 8372.3 | 1839.5 | 923.9 | 797.1 | 765.8 | 739.4 | 701.5 | 665.3 | 632.4 |
| 17276.6 | 55° | 13866.0 | 8667.1 | 1641.9 | 839.9 | 744.4 | 734.5 | 708.1 | 660.4 | 611.0 | 583.0 |
| 18223.5 | 57.5° | 14488.5 | 8891.1 | 1394.8 | 770.7 | 696.6 | 699.9 | 660.4 | 617.5 | 571.4 | 541.8 |
| 19499.7 | 60° | 15316.9 | 9190.8 | 1144.5 | 706.5 | 645.5 | 655.4 | 612.6 | 581.3 | 523.7 | 485.8 |
| 21688.3 | 62.5° | 16640.9 | 9656.8 | 909.0 | 627.4 | 586.3 | 589.6 | 571.4 | 533.6 | 464.4 | 419.9 |
| 23310.4 | 65° | 17691.6 | 9485.6 | 716.4 | 541.8 | 518.7 | 523.7 | 523.7 | 482.5 | 408.4 | 357.4 |
| 23397.7 | 67.5° | 17573.0 | 8122.0 | 571.4 | 457.8 | 454.5 | 457.8 | 469.3 | 434.8 | 362.3 | 321.1 |
| 21615.9 | 70° | 16188.0 | 6460.4 | 457.8 | 380.4 | 395.2 | 387.0 | 419.9 | 396.9 | 326.1 | 284.9 |
| 16757.8 | 72.5° | 13209.0 | 4653.9 | 349.1 | 314.5 | 303.0 | 316.2 | 378.8 | 357.4 | 271.7 | 225.6 |
| 8876.2 | 75° | 7718.5 | 2483.4 | 260.2 | 248.7 | 219.0 | 263.5 | 335.9 | 304.7 | 207.5 | 166.3 |
| 2720.5 | 77.5° | 2513.0 | 866.2 | 191.0 | 182.8 | 163.0 | 212.4 | 286.5 | 256.9 | 169.6 | 131.7 |
| 797.1 | 80° | 673.5 | 261.8 | 130.1 | 120.2 | 105.4 | 158.1 | 227.3 | 204.2 | 121.9 | 85.6 |
| 342.5 | 82.5° | 270.1 | 110.3 | 75.8 | 67.5 | 57.6 | 108.7 | 179.5 | 164.7 | 90.6 | 54.3 |
| 107.0 | 85° | 87.3 | 36.2 | 28.0 | 21.4 | 26.3 | 67.5 | 107.0 | 112.0 | 64.2 | 28.0 |
| 16.5 | 87.5° | 11.5 | 4.9 | 4.9 | 6.6 | 4.9 | 11.5 | 32.9 | 31.3 | 18.1 | 3.3 |
| 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° |
|--------|
| 3789.3 |
| 3341.4 |
| 2704.0 |
| 2091.4 |
| 1707.7 |
| 1567.8 |
| 1520.0 |
| 1465.7 |
| 1389.9 |
| 1292.7 |
| 1187.3 |
| 1085.2 |
| 1004.5 |
| 950.2 |
| 909.0 |
| 912.3 |
| 882.7 |
| 815.2 |
| 749.3 |
| 693.3 |
| 655.4 |
| 629.1 |
| 579.7 |
| 538.5 |
| 480.9 |
| 416.6 |
| 352.4 |
| 314.5 |
| 280.0 |
| 220.7 |
| 161.4 |
| 126.8 |
| 84.0 |
| 54.3 |
| 21.4 |
| 0.0 |
| 0.0 |

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