

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: McGRAW-EDISON

Report Number: P948534

Luminaire Tested: **GALN-SB3C-760-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-760-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23234 lumens
Efficiency: N/A
Efficacy: 155.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

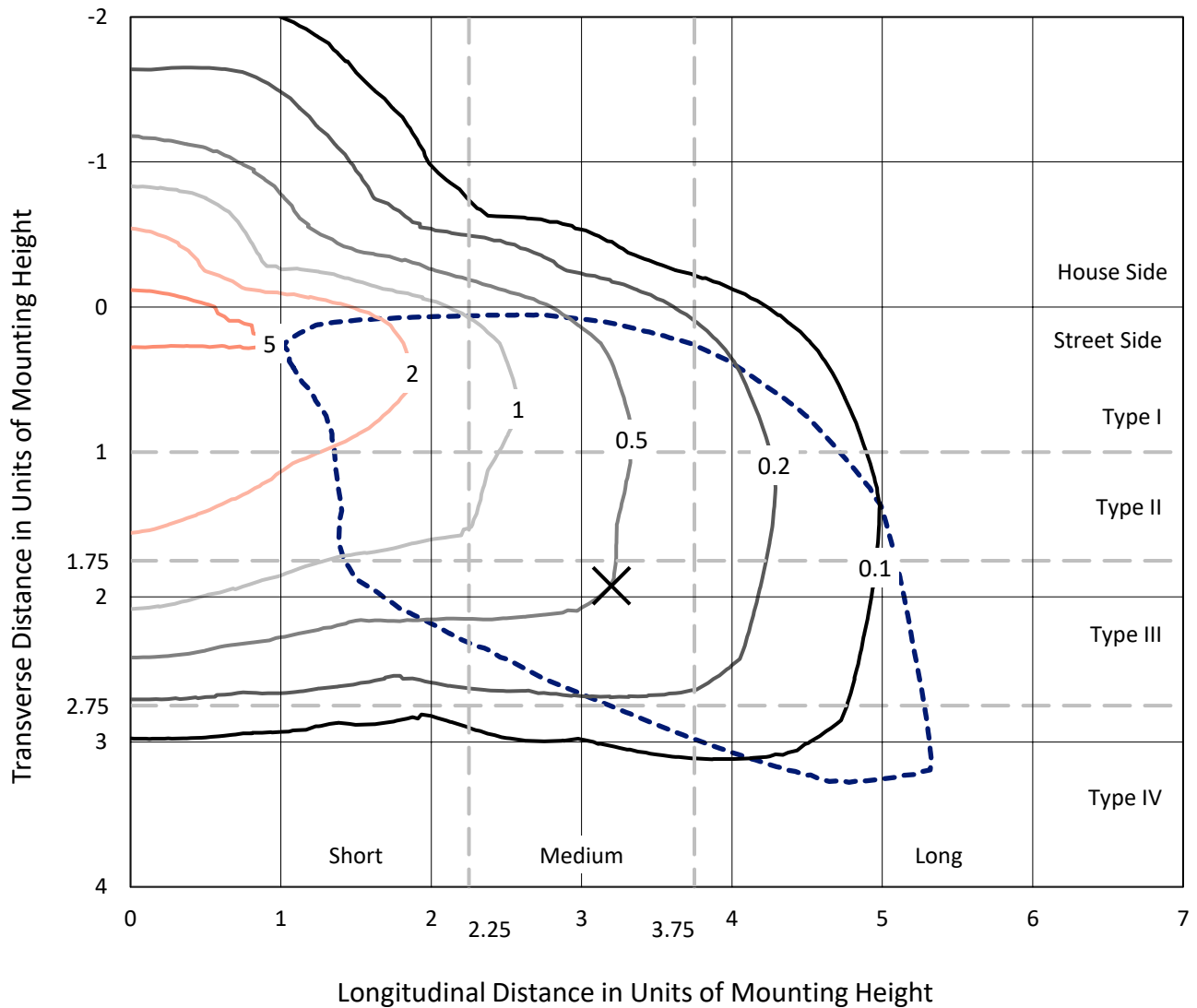
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

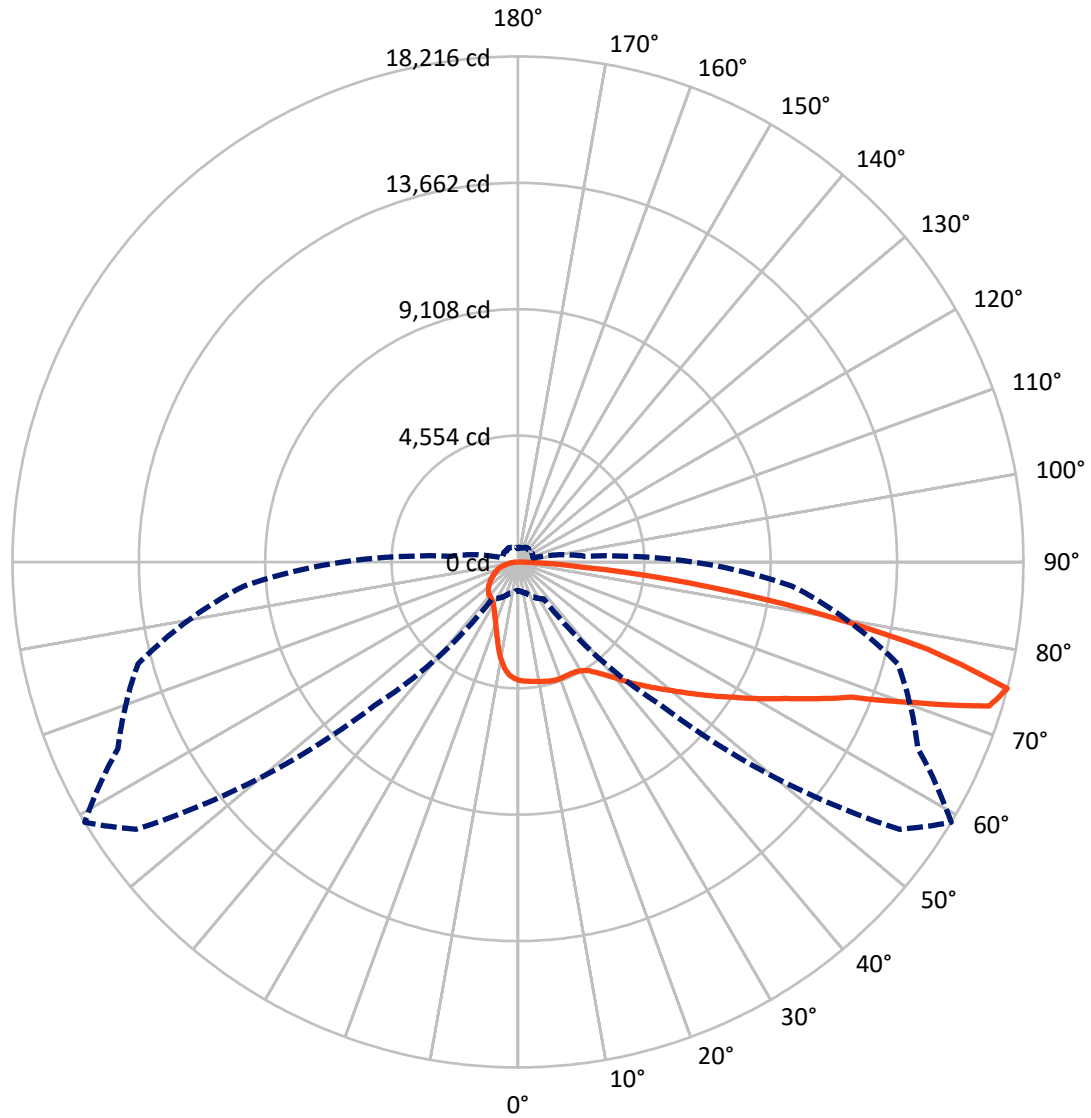
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Medium - N/A

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CATALOG NUMBER: GALN-SB3C-760-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4357.7 | 0.0 | 4357.7 |
| | % Fixture | 18.8 | 0.0 | 18.8 |
| Street Side | Lumens | 18876.3 | 0.0 | 18876.3 |
| | % Fixture | 81.2 | 0.0 | 81.2 |
| Total | Lumens | 23234.0 | 0.0 | 23234.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 382.4 | 1.6 |
| 10°-20° | 977.4 | 4.2 |
| 20°-30° | 1484.6 | 6.4 |
| 30°-40° | 2206.8 | 9.5 |
| 40°-50° | 3281.9 | 14.1 |
| 50°-60° | 4454.8 | 19.2 |
| 60°-70° | 5438.6 | 23.4 |
| 70°-80° | 4268.1 | 18.4 |
| 80°-90° | 739.3 | 3.2 |
| 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° | 23234.0 | 100.0 |
| 0°-180° | 23234.0 | 100.0 |

Coefficient of Utilization



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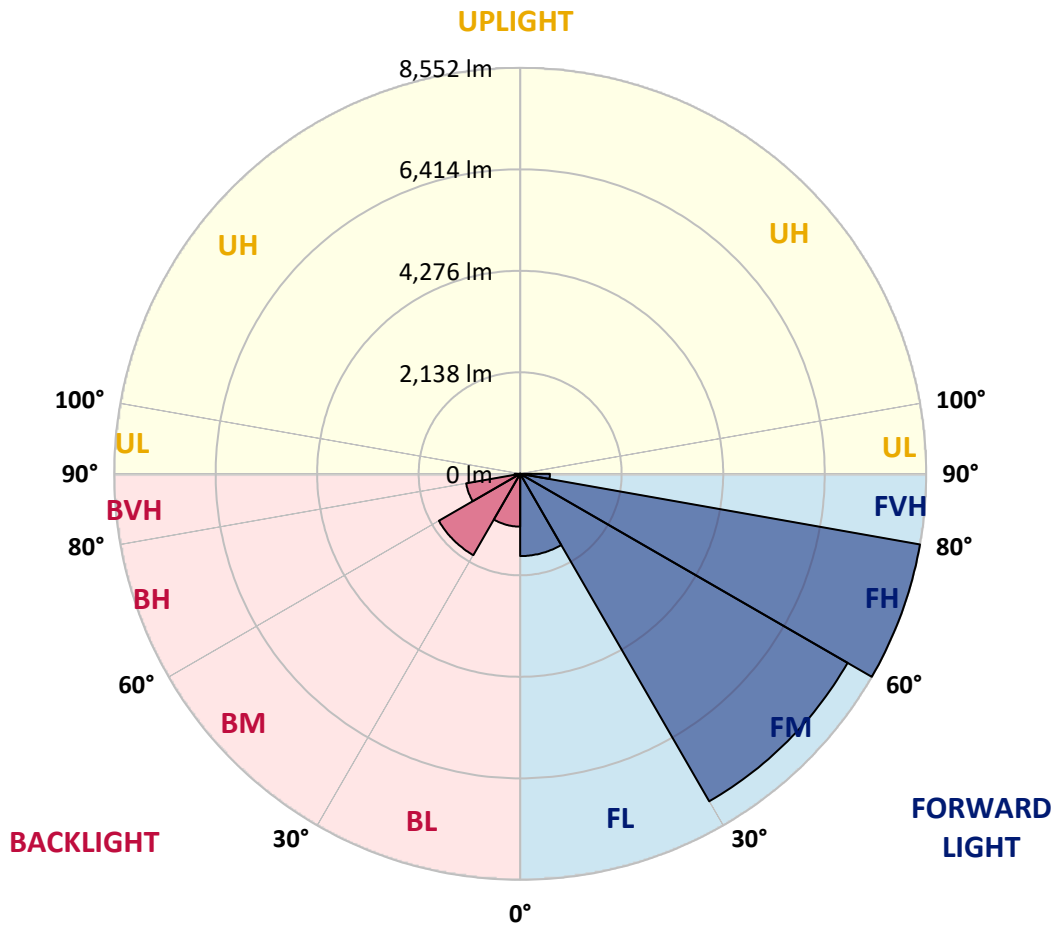
CATALOG NUMBER: GALN-SB3C-760-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1732.3 | 7.5 | | | |
| FM (30°-60°) | 7965.6 | 34.3 | | | |
| FH (60°-80°) | 8552.2 | 36.8 | | | G4/12000 |
| FVH (80°-90°) | 626.2 | 2.7 | | | G4/750 |
| BL (0°-30°) | 1112.0 | 4.8 | B3/2500 | | |
| BM (30°-60°) | 1978.0 | 8.5 | B2/2500 | | |
| BH (60°-80°) | 1154.5 | 5.0 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 113.2 | 0.5 | | | 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 IV Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 59° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0° | 4264.5 | 4264.5 | 4264.5 | 4264.5 | 4264.5 | 4264.5 | 4264.5 | 4264.5 | 4264.5 | 4264.5 |
| 2.5° | 4300.8 | 4285.8 | 4300.8 | 4294.5 | 4292.0 | 4287.0 | 4288.3 | 4297.0 | 4292.0 | 4298.3 |
| 5° | 4272.0 | 4263.3 | 4278.3 | 4274.5 | 4290.8 | 4293.3 | 4309.5 | 4319.5 | 4325.8 | 4327.0 |
| 7.5° | 4224.6 | 4215.8 | 4237.1 | 4254.5 | 4289.5 | 4299.5 | 4333.3 | 4349.5 | 4358.3 | 4373.3 |
| 10° | 4050.8 | 4047.1 | 4099.6 | 4165.8 | 4248.3 | 4299.5 | 4350.8 | 4378.3 | 4392.0 | 4432.0 |
| 12.5° | 3743.4 | 3748.4 | 3817.1 | 3944.6 | 4109.6 | 4274.5 | 4370.8 | 4410.8 | 4432.0 | 4482.0 |
| 15° | 3449.6 | 3448.4 | 3523.4 | 3659.6 | 3890.8 | 4164.6 | 4380.8 | 4449.5 | 4485.8 | 4559.5 |
| 17.5° | 3279.7 | 3274.7 | 3327.1 | 3430.9 | 3645.9 | 3995.8 | 4355.8 | 4470.8 | 4548.3 | 4640.8 |
| 20° | 3248.4 | 3238.4 | 3265.9 | 3317.1 | 3469.6 | 3810.8 | 4290.8 | 4470.8 | 4598.3 | 4718.3 |
| 22.5° | 3362.1 | 3345.9 | 3334.6 | 3328.4 | 3395.9 | 3658.4 | 4217.1 | 4455.8 | 4672.0 | 4829.5 |
| 25° | 3590.9 | 3565.9 | 3508.4 | 3452.1 | 3432.1 | 3589.6 | 4152.1 | 4452.0 | 4782.0 | 4979.5 |
| 27.5° | 3960.8 | 3929.6 | 3813.3 | 3678.4 | 3557.1 | 3624.6 | 4123.3 | 4474.5 | 4903.2 | 5138.2 |
| 30° | 4419.5 | 4385.8 | 4239.6 | 4032.1 | 3814.6 | 3754.6 | 4159.6 | 4540.8 | 5058.2 | 5349.4 |
| 32.5° | 4830.7 | 4793.2 | 4668.3 | 4457.0 | 4163.3 | 3979.6 | 4274.5 | 4667.0 | 5301.9 | 5643.2 |
| 35° | 5195.7 | 5152.0 | 5039.5 | 4844.5 | 4590.8 | 4295.8 | 4482.0 | 4890.7 | 5648.2 | 6120.6 |
| 37.5° | 5553.2 | 5501.9 | 5379.4 | 5173.2 | 4995.7 | 4717.0 | 4768.2 | 5178.2 | 6108.1 | 6700.5 |
| 40° | 5953.1 | 5879.4 | 5730.6 | 5526.9 | 5354.4 | 5210.7 | 5144.5 | 5530.7 | 6575.6 | 7348.0 |
| 42.5° | 6340.6 | 6270.6 | 6093.1 | 5919.4 | 5703.1 | 5661.9 | 5580.7 | 5943.1 | 7086.8 | 8059.1 |
| 45° | 6758.0 | 6674.3 | 6459.3 | 6239.3 | 6103.1 | 5961.9 | 6003.1 | 6355.6 | 7587.9 | 8784.1 |
| 47.5° | 7149.2 | 7055.5 | 6801.8 | 6556.8 | 6481.8 | 6214.3 | 6390.6 | 6809.3 | 8109.1 | 9519.0 |
| 50° | 7360.5 | 7268.0 | 7056.8 | 6835.5 | 6776.8 | 6525.6 | 6810.5 | 7308.0 | 8655.3 | 10251.4 |
| 52.5° | 7536.7 | 7436.7 | 7160.5 | 7038.0 | 7020.5 | 6864.3 | 7328.0 | 7877.9 | 9201.5 | 10898.8 |
| 55° | 7724.2 | 7612.9 | 7260.5 | 7150.5 | 7230.5 | 7244.2 | 7941.7 | 8524.1 | 9779.0 | 11530.0 |
| 57.5° | 7940.4 | 7799.2 | 7356.7 | 7245.5 | 7435.5 | 7689.2 | 8646.6 | 9194.0 | 10346.4 | 12115.0 |
| 60° | 8144.1 | 8001.7 | 7541.7 | 7396.7 | 7656.7 | 8205.4 | 9455.2 | 10005.2 | 10988.8 | 12636.2 |
| 62.5° | 8184.1 | 8066.6 | 7689.2 | 7687.9 | 7956.7 | 8807.8 | 10412.6 | 10823.9 | 11550.0 | 13151.1 |
| 65° | 7491.7 | 7418.0 | 7194.2 | 7676.7 | 8386.6 | 9675.2 | 11478.8 | 11871.2 | 12263.7 | 13601.1 |
| 67.5° | 5701.9 | 5711.9 | 5695.6 | 6626.8 | 8039.1 | 10921.3 | 13022.4 | 12992.4 | 13144.9 | 14106.0 |
| 70° | 2607.2 | 2666.0 | 3048.4 | 4574.5 | 6440.6 | 11065.1 | 15574.6 | 15185.9 | 14251.0 | 14759.7 |
| 72.5° | 1408.6 | 1453.6 | 1609.8 | 2216.0 | 3872.1 | 9837.7 | 17481.9 | 17758.1 | 15722.1 | 15199.6 |
| 75° | 1033.6 | 1058.6 | 1167.4 | 1408.6 | 1626.1 | 7311.7 | 16798.2 | 18215.6 | 15905.8 | 14173.5 |
| 77.5° | 773.7 | 784.9 | 873.7 | 1116.1 | 832.4 | 3854.6 | 13422.3 | 15085.9 | 13616.1 | 11645.0 |
| 80° | 561.2 | 573.7 | 639.9 | 837.4 | 583.7 | 1409.9 | 9216.5 | 10588.9 | 9325.3 | 7423.0 |
| 82.5° | 387.5 | 392.5 | 421.2 | 569.9 | 407.5 | 547.4 | 5229.4 | 6209.3 | 5205.7 | 2604.7 |
| 85° | 233.7 | 240.0 | 252.5 | 332.5 | 231.2 | 260.0 | 2257.3 | 2334.8 | 1556.1 | 622.4 |
| 87.5° | 96.2 | 102.5 | 112.5 | 140.0 | 91.2 | 72.5 | 372.5 | 467.5 | 291.2 | 182.5 |
| 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: GALN-SB3C-760-U-SL3

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4264.5 | 0° | 4264.5 | 4264.5 | 4264.5 | 4264.5 | 4264.5 | 4264.5 | 4264.5 | 4264.5 | 4264.5 | 4264.5 |
| 4277.0 | 2.5° | 4270.8 | 4262.0 | 4238.3 | 4205.8 | 4175.8 | 4138.3 | 4122.1 | 4108.3 | 4095.8 | 4072.1 |
| 4310.8 | 5° | 4297.0 | 4273.3 | 4209.6 | 4127.1 | 4033.3 | 3930.8 | 3830.8 | 3762.1 | 3703.4 | 3659.6 |
| 4349.5 | 7.5° | 4337.0 | 4292.0 | 4175.8 | 4007.1 | 3792.1 | 3572.1 | 3373.4 | 3232.2 | 3125.9 | 3087.2 |
| 4404.5 | 10° | 4378.3 | 4324.5 | 4122.1 | 3824.6 | 3453.4 | 3114.7 | 2850.9 | 2706.0 | 2621.0 | 2593.5 |
| 4469.5 | 12.5° | 4427.0 | 4348.3 | 4038.3 | 3570.9 | 3074.7 | 2703.5 | 2473.5 | 2388.5 | 2344.8 | 2329.8 |
| 4549.5 | 15° | 4498.3 | 4368.3 | 3912.1 | 3253.4 | 2713.5 | 2403.5 | 2254.8 | 2196.0 | 2173.5 | 2172.3 |
| 4632.0 | 17.5° | 4552.0 | 4372.0 | 3715.9 | 2913.4 | 2436.0 | 2222.3 | 2099.8 | 2077.3 | 2092.3 | 2114.8 |
| 4713.3 | 20° | 4612.0 | 4338.3 | 3458.4 | 2603.5 | 2241.0 | 2063.5 | 2012.3 | 2027.3 | 2063.5 | 2096.0 |
| 4820.7 | 22.5° | 4654.5 | 4277.0 | 3147.2 | 2362.3 | 2072.3 | 1972.3 | 1969.8 | 2001.0 | 2021.0 | 2037.3 |
| 4947.0 | 25° | 4692.0 | 4173.3 | 2817.2 | 2159.8 | 1933.5 | 1917.3 | 1944.8 | 1934.8 | 1921.0 | 1934.8 |
| 5073.2 | 27.5° | 4719.5 | 4009.6 | 2522.2 | 1982.3 | 1836.1 | 1879.8 | 1863.6 | 1841.1 | 1839.8 | 1847.3 |
| 5221.9 | 30° | 4710.8 | 3790.8 | 2279.8 | 1813.6 | 1767.3 | 1809.8 | 1771.1 | 1767.3 | 1763.6 | 1767.3 |
| 5445.7 | 32.5° | 4710.8 | 3542.1 | 2093.5 | 1697.3 | 1723.6 | 1707.3 | 1703.6 | 1694.8 | 1679.8 | 1678.6 |
| 5749.4 | 35° | 4737.0 | 3293.4 | 1933.5 | 1634.8 | 1687.3 | 1648.6 | 1651.1 | 1629.8 | 1598.6 | 1583.6 |
| 6151.8 | 37.5° | 4790.7 | 3093.4 | 1774.8 | 1604.8 | 1623.6 | 1622.3 | 1612.3 | 1576.1 | 1521.1 | 1473.6 |
| 6654.3 | 40° | 4920.7 | 3034.7 | 1666.1 | 1591.1 | 1593.6 | 1608.6 | 1582.3 | 1512.3 | 1387.4 | 1309.9 |
| 7164.2 | 42.5° | 5124.5 | 3133.4 | 1642.3 | 1557.3 | 1573.6 | 1588.6 | 1537.3 | 1374.9 | 1286.1 | 1239.9 |
| 7699.2 | 45° | 5383.2 | 3305.9 | 1693.6 | 1508.6 | 1526.1 | 1552.3 | 1399.9 | 1322.4 | 1282.4 | 1283.6 |
| 8229.1 | 47.5° | 5710.6 | 3487.1 | 1788.6 | 1466.1 | 1457.3 | 1472.3 | 1308.6 | 1261.1 | 1206.1 | 1219.9 |
| 8737.8 | 50° | 6089.4 | 3670.9 | 1878.6 | 1408.6 | 1381.1 | 1332.4 | 1249.9 | 1204.9 | 1134.9 | 1102.4 |
| 9229.0 | 52.5° | 6499.3 | 3848.3 | 1914.8 | 1338.6 | 1298.6 | 1242.4 | 1209.9 | 1154.9 | 1069.9 | 1016.1 |
| 9692.7 | 55° | 6888.0 | 4009.6 | 1874.8 | 1254.9 | 1216.1 | 1172.4 | 1167.4 | 1133.6 | 1042.4 | 967.4 |
| 10105.2 | 57.5° | 7255.5 | 4144.6 | 1774.8 | 1169.9 | 1132.4 | 1106.1 | 1139.9 | 1123.6 | 1008.6 | 912.4 |
| 10495.1 | 60° | 7566.7 | 4237.1 | 1629.8 | 1083.6 | 1057.4 | 1043.6 | 1094.9 | 1089.9 | 961.1 | 853.7 |
| 10845.1 | 62.5° | 7814.2 | 4273.3 | 1469.8 | 1001.1 | 994.9 | 969.9 | 1032.4 | 1032.4 | 901.2 | 796.2 |
| 11152.6 | 65° | 8007.9 | 4238.3 | 1307.4 | 919.9 | 932.4 | 894.9 | 956.1 | 948.6 | 837.4 | 744.9 |
| 11506.3 | 67.5° | 8179.1 | 4123.3 | 1127.4 | 839.9 | 868.7 | 821.2 | 876.2 | 858.7 | 767.4 | 693.7 |
| 11812.5 | 70° | 8255.4 | 3855.8 | 922.4 | 759.9 | 794.9 | 748.7 | 796.2 | 763.7 | 688.7 | 638.7 |
| 11476.3 | 72.5° | 7642.9 | 3204.7 | 726.2 | 676.2 | 706.2 | 668.7 | 709.9 | 672.4 | 603.7 | 581.2 |
| 9910.2 | 75° | 6323.1 | 2404.7 | 558.7 | 584.9 | 607.4 | 578.7 | 606.2 | 578.7 | 516.2 | 532.4 |
| 7320.5 | 77.5° | 4592.0 | 1623.6 | 427.5 | 488.7 | 498.7 | 483.7 | 507.4 | 476.2 | 420.0 | 416.2 |
| 3648.4 | 80° | 2283.5 | 951.1 | 335.0 | 386.2 | 382.5 | 372.5 | 400.0 | 385.0 | 337.5 | 357.5 |
| 984.9 | 82.5° | 661.2 | 407.5 | 243.7 | 271.2 | 263.7 | 266.2 | 286.2 | 293.7 | 440.0 | 436.2 |
| 306.2 | 85° | 207.5 | 160.0 | 146.2 | 151.2 | 143.7 | 147.5 | 168.7 | 335.0 | 310.0 | 181.2 |
| 95.0 | 87.5° | 53.7 | 55.0 | 36.2 | 38.7 | 40.0 | 47.5 | 53.7 | 203.7 | 97.5 | 63.7 |
| 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> |
|-------------|
| 4264.5 |
| 4060.8 |
| 3623.4 |
| 3019.7 |
| 2551.0 |
| 2333.5 |
| 2177.3 |
| 2123.5 |
| 2107.3 |
| 2046.0 |
| 1943.5 |
| 1859.8 |
| 1781.1 |
| 1694.8 |
| 1598.6 |
| 1489.8 |
| 1319.9 |
| 1239.9 |
| 1289.9 |
| 1254.9 |
| 1111.1 |
| 1014.9 |
| 967.4 |
| 907.4 |
| 849.9 |
| 792.4 |
| 739.9 |
| 688.7 |
| 628.7 |
| 562.4 |
| 486.2 |
| 397.5 |
| 353.7 |
| 446.2 |
| 196.2 |
| 67.5 |
| 0.0 |

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