

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: P952826

Luminaire Tested: **GALN-SB6C-760-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952826  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-760-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

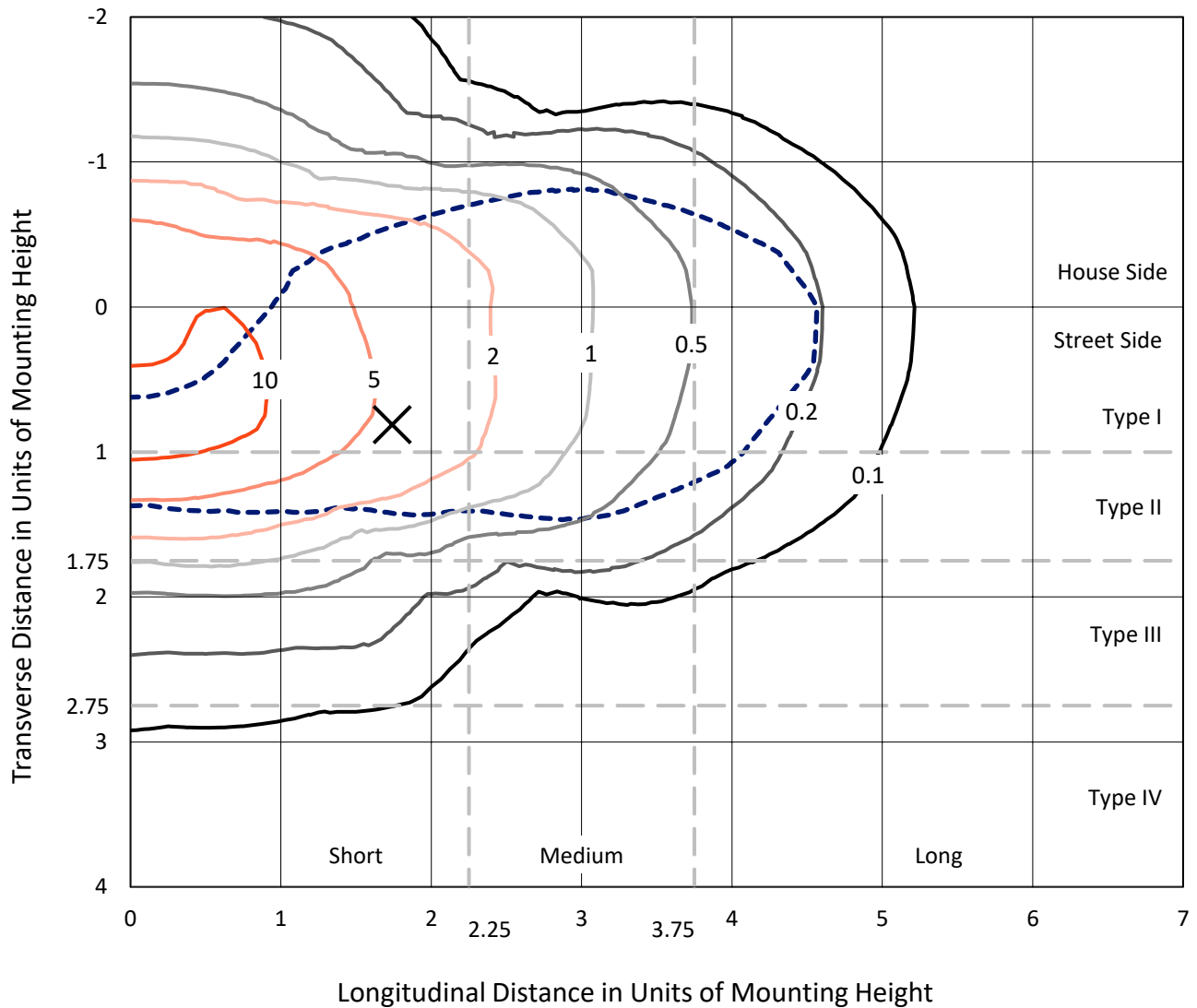
Lumens per Lamp: N/A  
Luminaire Lumens: 48691 lumens  
Efficiency: N/A  
Efficacy: 161.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

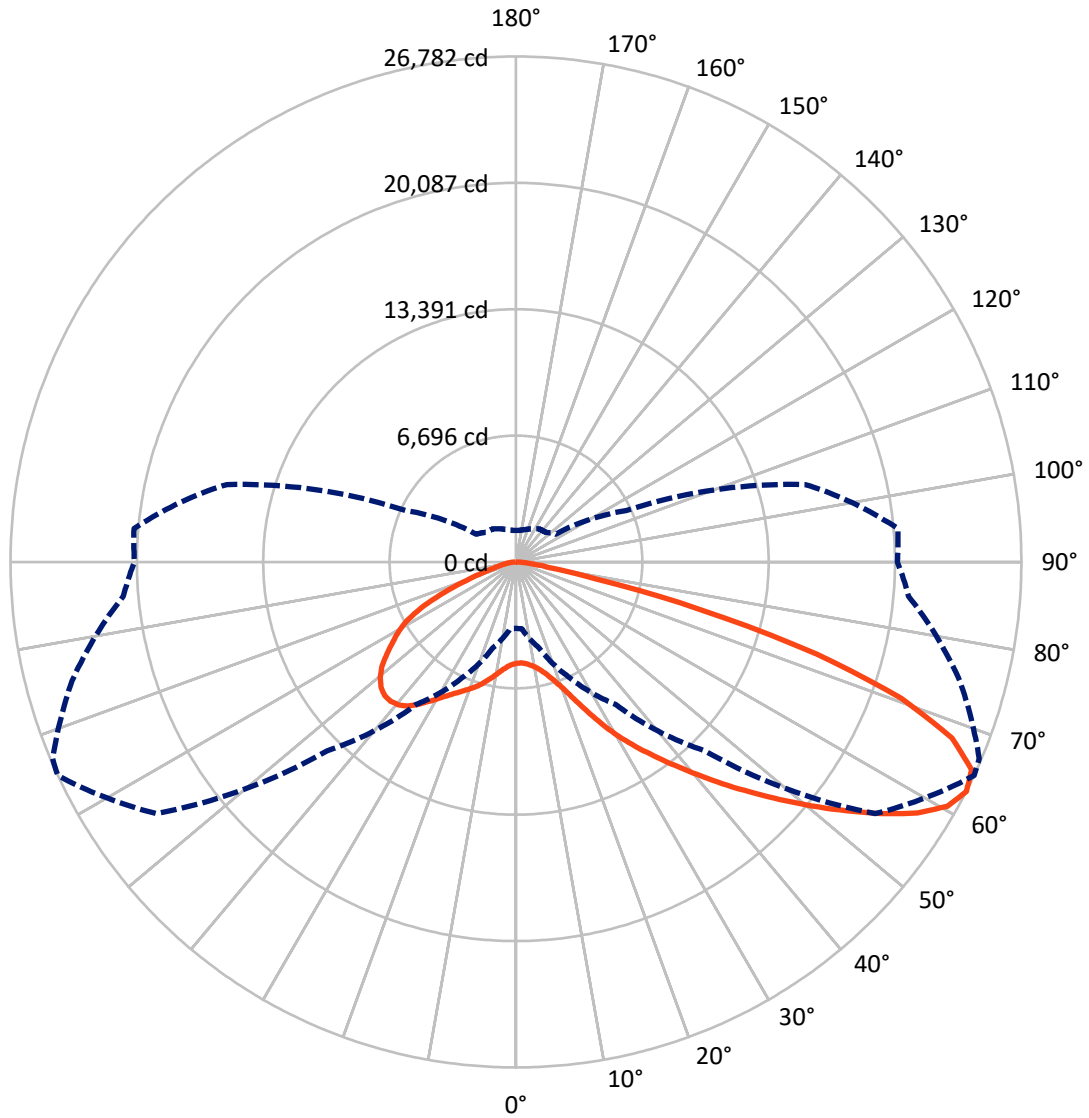
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 15364.7  | 0.0    | 15364.7 |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 33326.2  | 0.0    | 33326.2 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 48691.0  | 0.0    | 48691.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 534.9   | 1.1       |
| 10°-20°   | 1814.0  | 3.7       |
| 20°-30°   | 3678.1  | 7.6       |
| 30°-40°   | 6364.9  | 13.1      |
| 40°-50°   | 9632.1  | 19.8      |
| 50°-60°   | 11293.0 | 23.2      |
| 60°-70°   | 9467.8  | 19.4      |
| 70°-80°   | 5227.0  | 10.7      |
| 80°-90°   | 679.0   | 1.4       |
| 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°    | 48691.0 | 100.0     |
| 0°-180°   | 48691.0 | 100.0     |

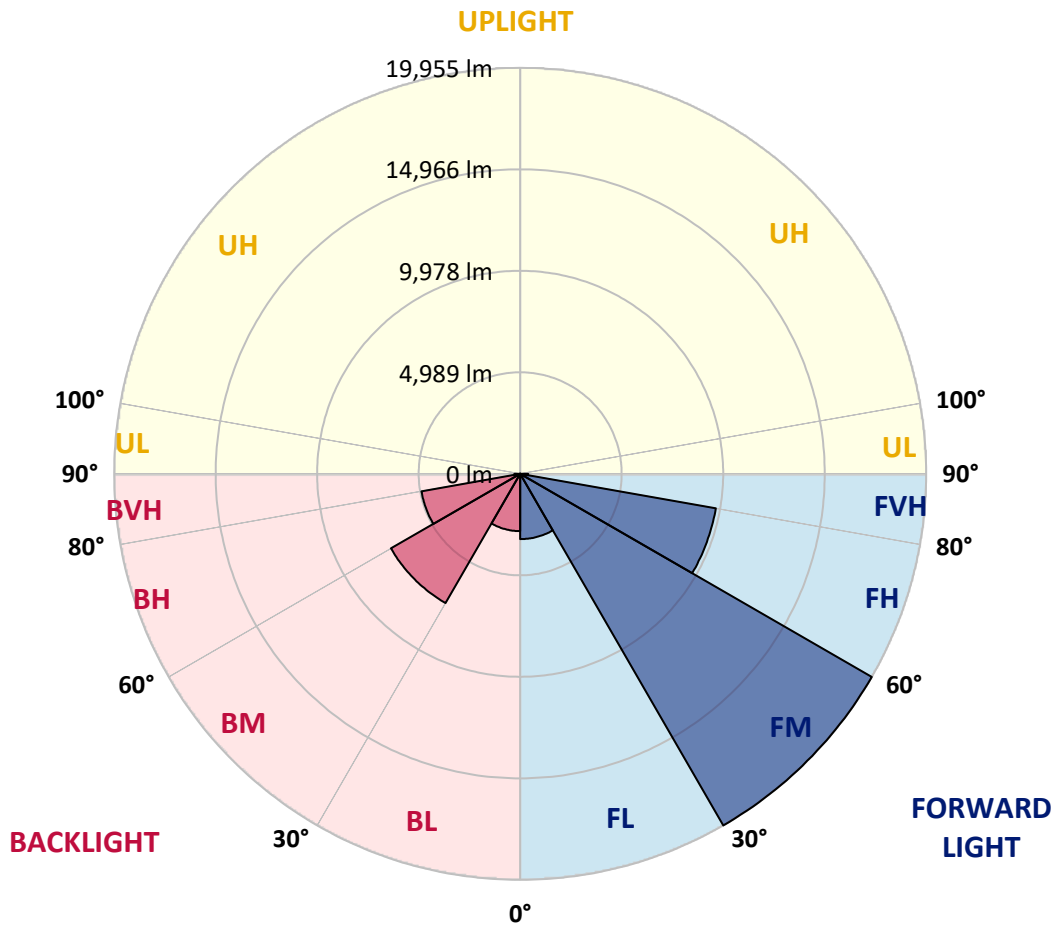


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3209.4  | 6.6       |                         |      |          |
| FM   | (30°-60°)   | 19955.1 | 41.0      |                         |      |          |
| FH   | (60°-80°)   | 9766.0  | 20.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 395.7   | 0.8       |                         |      | G3/500   |
| BL   | (0°-30°)    | 2817.7  | 5.8       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 7334.9  | 15.1      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 4928.9  | 10.1      | B4/5000                 |      | G4/5000  |
| BVH  | (80°-90°)   | 283.2   | 0.6       |                         |      | G3/500   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B4-U0-G4**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 67°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5365.5  | 5365.5  | 5365.5  | 5365.5  | 5365.5  | 5365.5  | 5365.5  | 5365.5  | 5365.5  | 5365.5  |
| 2.5°  | 5330.2  | 5315.0  | 5327.6  | 5327.6  | 5332.7  | 5330.2  | 5347.9  | 5352.9  | 5360.5  | 5375.6  |
| 5°    | 5277.1  | 5274.6  | 5297.3  | 5317.5  | 5337.7  | 5355.4  | 5378.2  | 5411.0  | 5416.1  | 5433.7  |
| 7.5°  | 5259.4  | 5244.3  | 5279.6  | 5304.9  | 5352.9  | 5395.9  | 5456.5  | 5512.1  | 5534.8  | 5542.4  |
| 10°   | 5395.9  | 5370.6  | 5403.4  | 5418.6  | 5459.0  | 5501.9  | 5572.7  | 5661.1  | 5686.4  | 5716.7  |
| 12.5° | 5628.3  | 5600.5  | 5648.5  | 5671.2  | 5709.1  | 5747.0  | 5795.0  | 5880.9  | 5893.5  | 5949.1  |
| 15°   | 5946.6  | 5913.7  | 5944.0  | 5971.8  | 6035.0  | 6070.3  | 6118.3  | 6201.7  | 6201.7  | 6244.6  |
| 17.5° | 6378.5  | 6335.6  | 6358.3  | 6368.4  | 6408.8  | 6461.9  | 6542.7  | 6616.0  | 6653.9  | 6638.7  |
| 20°   | 7022.7  | 6969.6  | 6969.6  | 6919.1  | 6904.0  | 6946.9  | 7053.0  | 7154.0  | 7194.5  | 7116.2  |
| 22.5° | 7990.2  | 7914.4  | 7871.5  | 7699.7  | 7631.5  | 7636.5  | 7742.6  | 7866.4  | 7899.3  | 7760.3  |
| 25°   | 9220.4  | 9101.7  | 9043.6  | 8791.0  | 8636.9  | 8503.0  | 8586.4  | 8745.5  | 8791.0  | 8619.2  |
| 27.5° | 10450.7 | 10458.3 | 10402.7 | 10099.5 | 9844.4  | 9599.4  | 9556.4  | 9723.1  | 9771.1  | 9576.6  |
| 30°   | 12176.0 | 11996.7 | 11890.6 | 11526.8 | 11163.0 | 10819.5 | 10642.7 | 10710.9 | 10723.5 | 10491.1 |
| 32.5° | 13663.9 | 13618.5 | 13391.1 | 13072.8 | 12605.5 | 12067.4 | 11771.8 | 11663.2 | 11643.0 | 11312.1 |
| 35°   | 15359.0 | 15333.7 | 15093.7 | 14714.8 | 14209.6 | 13461.8 | 12928.8 | 12618.1 | 12592.8 | 12128.0 |
| 37.5° | 17081.8 | 17081.8 | 16846.9 | 16432.6 | 15909.7 | 14975.0 | 14164.1 | 13671.5 | 13590.7 | 12984.4 |
| 40°   | 18456.0 | 18372.7 | 18415.6 | 18241.3 | 17642.6 | 16649.8 | 15535.8 | 14820.9 | 14712.3 | 13984.8 |
| 42.5° | 19236.6 | 19208.8 | 19466.5 | 19661.0 | 19416.0 | 18622.8 | 17046.4 | 16066.3 | 15914.7 | 15086.2 |
| 45°   | 19410.9 | 19380.6 | 19840.4 | 20552.7 | 20896.3 | 20570.4 | 18688.4 | 17377.4 | 17193.0 | 16238.1 |
| 47.5° | 19009.3 | 18948.6 | 19623.1 | 20747.2 | 21848.6 | 22422.1 | 20466.8 | 18799.6 | 18531.8 | 17359.7 |
| 50°   | 17801.8 | 17743.7 | 18764.2 | 20257.2 | 22169.5 | 23680.1 | 22396.8 | 20307.7 | 19898.5 | 18562.1 |
| 52.5° | 15177.1 | 15204.9 | 16803.9 | 18855.2 | 21747.6 | 24463.2 | 24059.0 | 21896.6 | 21404.0 | 19792.4 |
| 55°   | 11822.4 | 11883.0 | 13848.3 | 16106.7 | 20060.1 | 24344.5 | 25193.3 | 23533.6 | 23043.5 | 20949.3 |
| 57.5° | 8465.1  | 8732.9  | 10574.5 | 12810.1 | 16819.1 | 22462.5 | 25440.8 | 25089.7 | 24614.8 | 22212.4 |
| 60°   | 5486.8  | 5534.8  | 7429.4  | 9682.7  | 12807.6 | 19117.9 | 24938.1 | 26269.4 | 25898.1 | 23500.7 |
| 62.5° | 3516.4  | 3549.2  | 4703.7  | 6772.6  | 9217.9  | 14143.9 | 23245.6 | 26782.2 | 26668.5 | 24352.1 |
| 65°   | 2584.2  | 2559.0  | 3160.2  | 4476.3  | 6209.3  | 8722.8  | 19959.1 | 26534.7 | 26759.5 | 24885.1 |
| 67.5° | 2157.3  | 2122.0  | 2417.5  | 3099.6  | 4574.9  | 4953.8  | 14767.9 | 24925.5 | 25749.0 | 24824.5 |
| 70°   | 1965.3  | 1935.0  | 2114.4  | 2301.3  | 3569.4  | 3316.8  | 7444.6  | 21669.3 | 22937.4 | 24134.8 |
| 72.5° | 1664.7  | 1611.7  | 1856.7  | 2043.7  | 2776.2  | 2543.8  | 3076.8  | 16644.8 | 18190.8 | 21924.4 |
| 75°   | 1290.9  | 1255.5  | 1465.2  | 1798.6  | 2086.6  | 1985.6  | 1945.1  | 10107.1 | 11794.6 | 16955.5 |
| 77.5° | 1023.1  | 975.1   | 1167.1  | 1402.0  | 1876.9  | 1498.0  | 1417.2  | 4352.6  | 6024.9  | 10824.5 |
| 80°   | 770.5   | 727.5   | 886.7   | 1109.0  | 1442.4  | 1129.2  | 917.0   | 1775.9  | 2271.0  | 5484.3  |
| 82.5° | 548.2   | 510.3   | 618.9   | 813.4   | 970.0   | 1013.0  | 563.3   | 995.3   | 1119.1  | 2114.4  |
| 85°   | 351.1   | 328.4   | 414.3   | 510.3   | 616.4   | 651.7   | 343.6   | 520.4   | 570.9   | 871.5   |
| 87.5° | 192.0   | 156.6   | 222.3   | 237.5   | 285.5   | 260.2   | 164.2   | 189.5   | 204.6   | 315.8   |
| 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°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 5365.5  | 0°    | 5365.5  | 5365.5  | 5365.5  | 5365.5 | 5365.5 | 5365.5 | 5365.5 | 5365.5 | 5365.5 | 5365.5 |
| 5375.6  | 2.5°  | 5385.7  | 5393.3  | 5418.6  | 5426.2 | 5443.8 | 5466.6 | 5481.7 | 5496.9 | 5496.9 | 5512.1 |
| 5456.5  | 5°    | 5459.0  | 5476.7  | 5529.7  | 5557.5 | 5603.0 | 5648.5 | 5676.3 | 5709.1 | 5729.3 | 5739.4 |
| 5585.3  | 7.5°  | 5600.5  | 5628.3  | 5704.0  | 5752.0 | 5830.3 | 5893.5 | 5936.4 | 5981.9 | 5992.0 | 6019.8 |
| 5764.7  | 10°   | 5792.5  | 5825.3  | 5911.2  | 6002.1 | 6095.6 | 6173.9 | 6214.3 | 6247.2 | 6259.8 | 6264.8 |
| 5994.5  | 12.5° | 6012.2  | 6060.2  | 6171.4  | 6282.5 | 6381.0 | 6449.3 | 6459.4 | 6451.8 | 6416.4 | 6386.1 |
| 6277.5  | 15°   | 6282.5  | 6325.5  | 6449.3  | 6570.5 | 6666.5 | 6679.1 | 6616.0 | 6575.6 | 6532.6 | 6525.0 |
| 6593.2  | 17.5° | 6605.9  | 6628.6  | 6742.3  | 6861.0 | 6868.6 | 6825.7 | 6732.2 | 6694.3 | 6653.9 | 6626.1 |
| 7005.0  | 20°   | 6982.3  | 6974.7  | 7055.5  | 7106.1 | 7053.0 | 6921.6 | 6780.2 | 6717.0 | 6676.6 | 6643.8 |
| 7510.2  | 22.5° | 7431.9  | 7373.8  | 7363.7  | 7351.1 | 7209.6 | 6934.3 | 6742.3 | 6661.5 | 6598.3 | 6552.8 |
| 8215.0  | 25°   | 8086.2  | 7863.9  | 7709.8  | 7623.9 | 7305.6 | 6866.1 | 6621.0 | 6441.7 | 6322.9 | 6244.6 |
| 9076.4  | 27.5° | 8904.7  | 8530.8  | 8141.8  | 7932.1 | 7305.6 | 6727.1 | 6328.0 | 6037.5 | 5843.0 | 5762.1 |
| 9910.1  | 30°   | 9685.2  | 9293.7  | 8720.3  | 8303.4 | 7287.9 | 6499.8 | 5855.6 | 5451.4 | 5224.1 | 5143.2 |
| 10622.4 | 32.5° | 10352.2 | 9925.2  | 9334.1  | 8710.2 | 7245.0 | 6131.0 | 5269.5 | 4822.4 | 4602.6 | 4506.6 |
| 11327.2 | 35°   | 10971.1 | 10516.4 | 9950.5  | 9157.3 | 7131.3 | 5590.4 | 4625.4 | 4284.3 | 4039.3 | 3885.2 |
| 12044.7 | 37.5° | 11605.1 | 11064.5 | 10534.0 | 9561.5 | 6926.7 | 4958.8 | 4130.3 | 3839.7 | 3551.8 | 3344.6 |
| 12807.6 | 40°   | 12294.8 | 11648.1 | 11158.0 | 9801.5 | 6590.7 | 4357.6 | 3746.3 | 3481.0 | 3175.4 | 2955.6 |
| 13686.7 | 42.5° | 13100.6 | 12347.8 | 11852.7 | 9925.2 | 6131.0 | 3930.7 | 3496.2 | 3236.0 | 2948.0 | 2768.7 |
| 14628.9 | 45°   | 13941.8 | 13118.3 | 12486.7 | 9922.7 | 5618.2 | 3731.1 | 3415.4 | 3157.7 | 2839.4 | 2652.5 |
| 15596.4 | 47.5° | 14823.4 | 13924.1 | 13034.9 | 9761.0 | 5173.5 | 3758.9 | 3369.9 | 2988.4 | 2637.3 | 2455.4 |
| 16574.1 | 50°   | 15707.6 | 14805.7 | 13565.4 | 9457.9 | 4984.1 | 3698.3 | 3200.6 | 2751.0 | 2336.7 | 2172.5 |
| 17491.0 | 52.5° | 16584.2 | 15743.0 | 14022.6 | 9025.9 | 4792.1 | 3473.5 | 2983.4 | 2442.8 | 2212.9 | 2099.2 |
| 18438.3 | 55°   | 17465.8 | 16670.0 | 14520.3 | 8396.9 | 4312.1 | 3210.7 | 2619.6 | 2326.6 | 2114.4 | 2010.8 |
| 19365.4 | 57.5° | 18349.9 | 17741.1 | 14992.7 | 7767.9 | 3708.4 | 2887.4 | 2420.0 | 2185.1 | 2015.9 | 1927.5 |
| 20141.0 | 60°   | 19269.5 | 18966.3 | 15480.2 | 7189.4 | 3112.2 | 2473.1 | 2273.5 | 2071.4 | 1899.7 | 1801.1 |
| 20886.2 | 62.5° | 20216.8 | 20315.3 | 15861.7 | 6444.2 | 2564.0 | 2220.5 | 2142.2 | 1935.0 | 1768.3 | 1674.8 |
| 21502.6 | 65°   | 21171.6 | 21616.2 | 16111.8 | 5411.0 | 2079.0 | 1980.5 | 2000.7 | 1786.0 | 1616.7 | 1535.9 |
| 21954.7 | 67.5° | 21891.6 | 22553.4 | 16041.0 | 4094.9 | 1705.1 | 1753.1 | 1823.9 | 1629.4 | 1470.2 | 1407.1 |
| 21881.5 | 70°   | 21972.4 | 22442.3 | 15343.8 | 2804.0 | 1427.3 | 1530.8 | 1626.8 | 1475.3 | 1311.1 | 1265.6 |
| 20850.8 | 72.5° | 20896.3 | 20926.6 | 13401.2 | 1831.5 | 1207.5 | 1343.9 | 1419.7 | 1318.6 | 1159.5 | 1114.0 |
| 18241.3 | 75°   | 18074.6 | 17306.6 | 9839.3  | 1207.5 | 1010.5 | 1154.4 | 1225.2 | 1154.4 | 1000.4 | 1010.5 |
| 13648.8 | 77.5° | 13694.2 | 12256.9 | 5974.3  | 858.9  | 843.7  | 970.0  | 1066.0 | 1015.5 | 884.2  | 992.8  |
| 6863.5  | 80°   | 7055.5  | 6631.1  | 2665.1  | 641.6  | 666.9  | 775.5  | 876.6  | 810.9  | 699.7  | 666.9  |
| 1533.4  | 82.5° | 1616.7  | 1879.5  | 1050.9  | 459.8  | 482.5  | 558.3  | 669.4  | 608.8  | 502.7  | 424.4  |
| 639.1   | 85°   | 565.9   | 618.9   | 464.8   | 288.0  | 282.9  | 348.6  | 454.7  | 406.7  | 341.0  | 272.8  |
| 270.3   | 87.5° | 179.4   | 234.9   | 174.3   | 116.2  | 121.3  | 156.6  | 209.7  | 192.0  | 159.1  | 103.6  |
| 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°  
5365.5  
5512.1  
5744.5  
6009.7  
6252.2  
6386.1  
6525.0  
6628.6  
6646.3  
6568.0  
6275.0  
5802.6  
5191.2  
4554.6  
3935.7  
3400.2  
2998.5  
2804.0  
2682.8  
2480.7  
2182.6  
2099.2  
2000.7  
1912.3  
1793.6  
1672.3  
1533.4  
1409.6  
1268.1  
1111.5  
975.1  
874.0  
608.8  
419.3  
288.0  
108.6  
0.0

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