

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: P852934

Luminaire Tested: **GLAN-SB7C-727-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-727-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35862 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

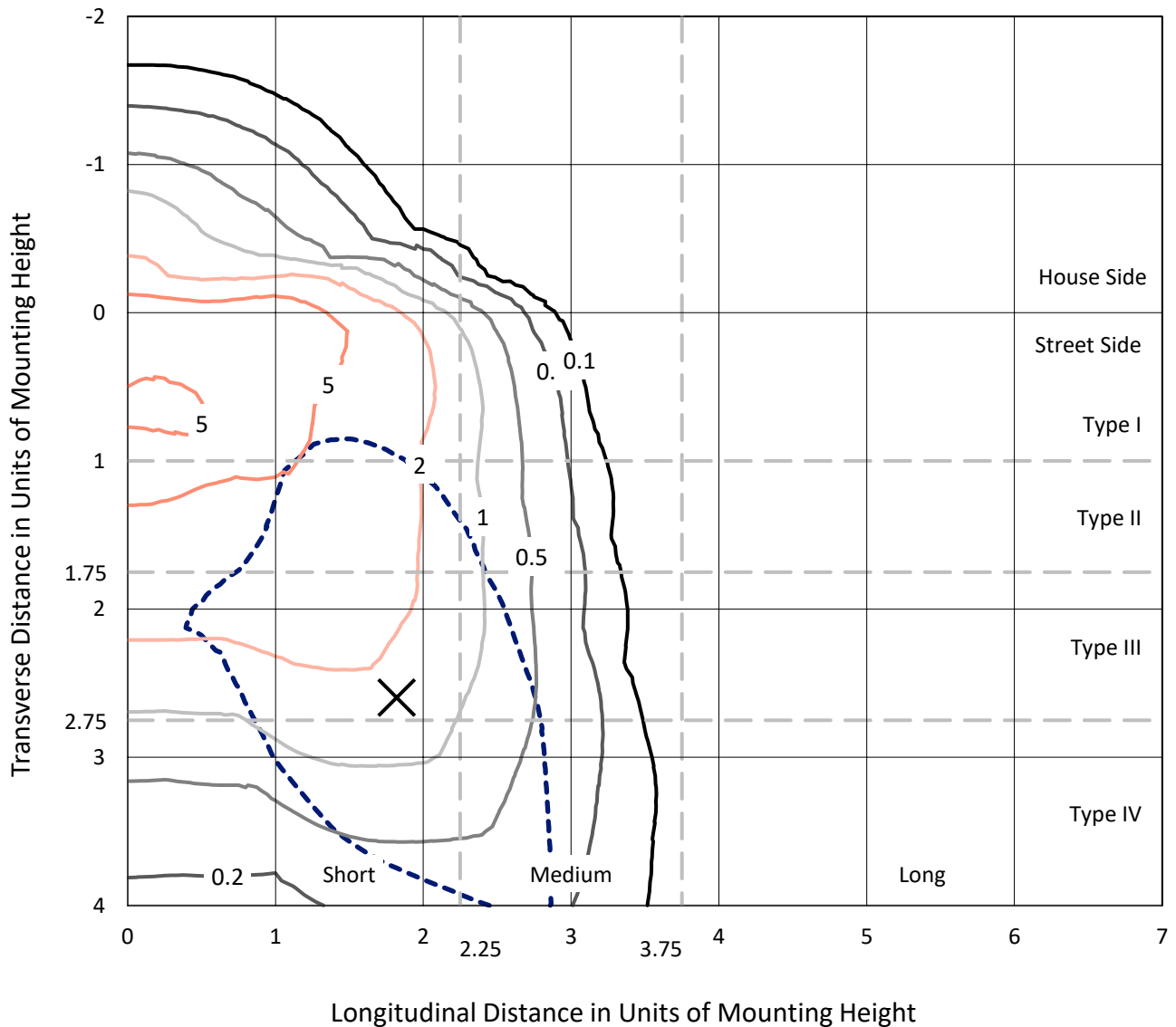
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

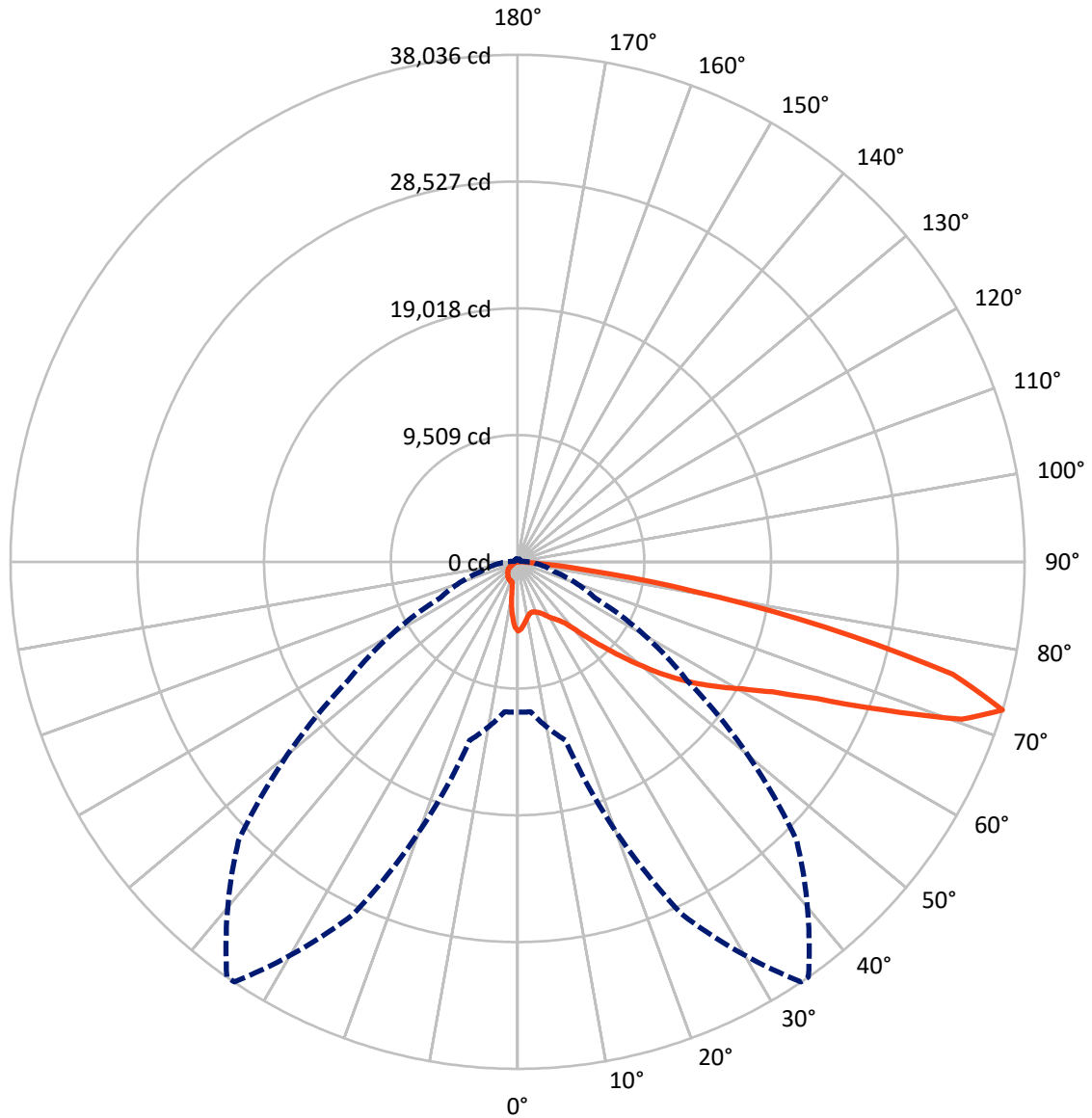
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4036.1 | 0.0 | 4036.1 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| Street Side | Lumens | 31825.9 | 0.0 | 31825.9 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| Total | Lumens | 35862.0 | 0.0 | 35862.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 427.1 | 1.2 |
| 10°-20° | 999.2 | 2.8 |
| 20°-30° | 1623.1 | 4.5 |
| 30°-40° | 2708.1 | 7.6 |
| 40°-50° | 5123.9 | 14.3 |
| 50°-60° | 8141.8 | 22.7 |
| 60°-70° | 10072.0 | 28.1 |
| 70°-80° | 6260.8 | 17.5 |
| 80°-90° | 506.0 | 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° | 35862.0 | 100.0 |
| 0°-180° | 35862.0 | 100.0 |

Coefficient of Utilization

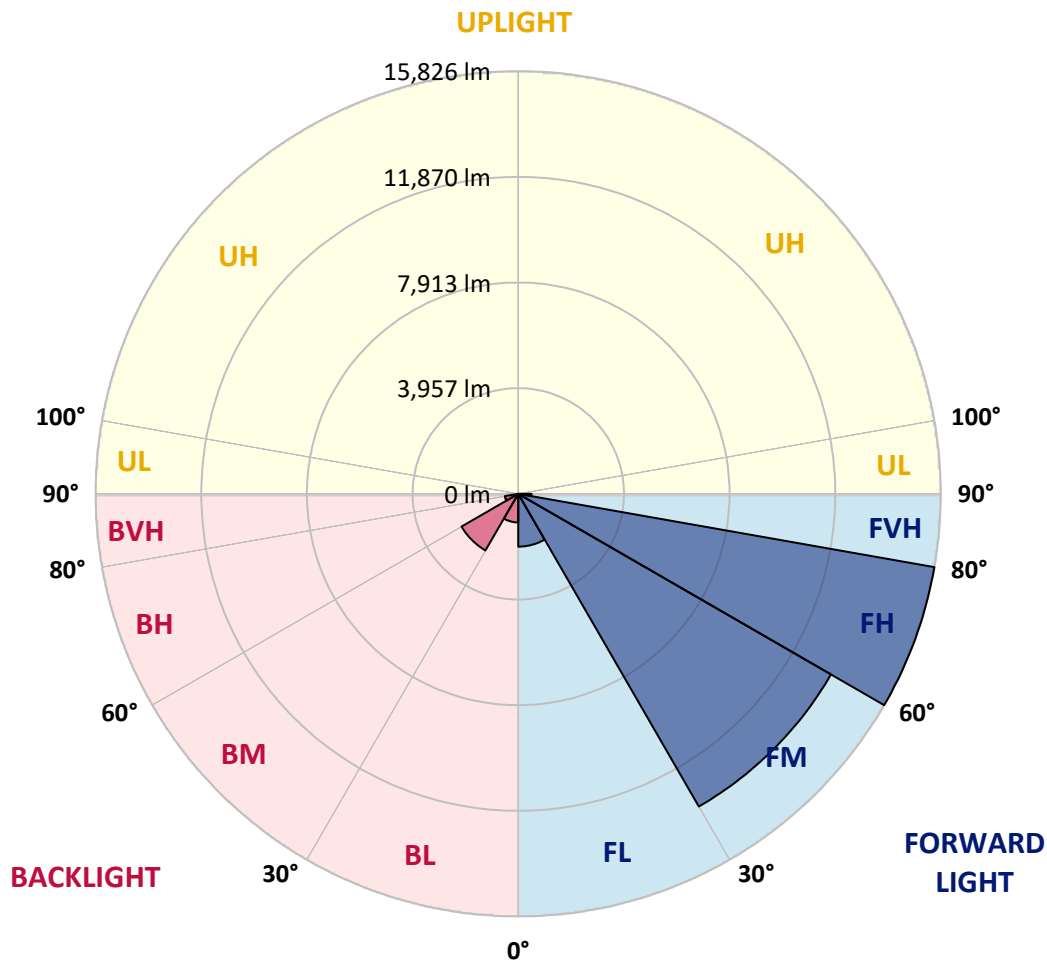


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1976.9 | 5.5 | | | |
| FM (30°-60°) | 13523.6 | 37.7 | | | |
| FH (60°-80°) | 15826.3 | 44.1 | | | G5 |
| FVH (80°-90°) | 499.1 | 1.4 | | | G3/500 |
| BL (0°-30°) | 1072.5 | 3.0 | B3/2500 | | |
| BM (30°-60°) | 2450.3 | 6.8 | B2/2500 | | |
| BH (60°-80°) | 506.5 | 1.4 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 6.9 | 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 IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 34° | 35° | 45° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5197.6 | 5197.6 | 5197.6 | 5197.6 | 5197.6 | 5197.6 | 5197.6 | 5197.6 | 5197.6 | 5197.6 |
| 2.5° | 4966.4 | 5008.4 | 5016.3 | 5029.4 | 5029.4 | 5045.2 | 5071.5 | 5108.3 | 5168.7 | 5200.2 |
| 5° | 4577.5 | 4609.0 | 4648.4 | 4679.9 | 4740.4 | 4748.3 | 4850.7 | 4950.6 | 5089.9 | 5195.0 |
| 7.5° | 4185.9 | 4222.7 | 4275.3 | 4351.5 | 4430.3 | 4454.0 | 4609.0 | 4777.2 | 4997.9 | 5195.0 |
| 10° | 3910.0 | 3912.7 | 3960.0 | 4036.2 | 4162.3 | 4191.2 | 4380.4 | 4619.5 | 4895.4 | 5163.4 |
| 12.5° | 3755.0 | 3773.4 | 3794.4 | 3852.2 | 3973.1 | 3991.5 | 4193.8 | 4475.0 | 4792.9 | 5145.1 |
| 15° | 3755.0 | 3768.1 | 3781.3 | 3810.2 | 3907.4 | 3923.2 | 4101.9 | 4383.0 | 4740.4 | 5152.9 |
| 17.5° | 3794.4 | 3815.4 | 3804.9 | 3839.1 | 3941.6 | 3952.1 | 4109.7 | 4356.7 | 4737.8 | 5202.9 |
| 20° | 3889.0 | 3904.8 | 3883.8 | 3904.8 | 4007.3 | 4028.3 | 4191.2 | 4406.7 | 4782.4 | 5289.6 |
| 22.5° | 4038.8 | 4046.7 | 3996.7 | 4012.5 | 4117.6 | 4143.9 | 4333.1 | 4548.6 | 4890.2 | 5428.8 |
| 25° | 4228.0 | 4243.7 | 4167.5 | 4185.9 | 4285.8 | 4317.3 | 4535.4 | 4761.4 | 5061.0 | 5620.7 |
| 27.5° | 4446.1 | 4454.0 | 4388.3 | 4385.6 | 4514.4 | 4559.1 | 4779.8 | 5024.2 | 5289.6 | 5862.4 |
| 30° | 4695.7 | 4719.4 | 4656.3 | 4645.8 | 4808.7 | 4845.5 | 5063.6 | 5347.4 | 5625.9 | 6225.0 |
| 32.5° | 4892.8 | 4911.2 | 4874.4 | 4900.7 | 5066.2 | 5095.1 | 5407.8 | 5804.6 | 6154.1 | 6740.1 |
| 35° | 5176.6 | 5187.1 | 5103.0 | 5150.3 | 5339.5 | 5413.1 | 5878.2 | 6445.8 | 6818.9 | 7386.5 |
| 37.5° | 6204.0 | 6204.0 | 5846.7 | 5612.8 | 5794.1 | 5859.8 | 6522.0 | 7252.5 | 7638.7 | 8253.6 |
| 40° | 7625.6 | 7602.0 | 7079.0 | 6600.8 | 6577.2 | 6705.9 | 7439.0 | 8269.4 | 8697.7 | 9294.2 |
| 42.5° | 9141.8 | 9105.0 | 8392.9 | 7919.9 | 7841.1 | 7885.8 | 8498.0 | 9522.8 | 9959.0 | 10563.4 |
| 45° | 10487.2 | 10476.7 | 9825.0 | 9189.1 | 9047.2 | 9189.1 | 9819.7 | 10989.1 | 11301.8 | 11937.7 |
| 47.5° | 11614.5 | 11614.5 | 11138.9 | 10723.7 | 10650.1 | 10734.2 | 11609.2 | 12615.6 | 12586.7 | 13401.3 |
| 50° | 12912.6 | 12902.0 | 12450.1 | 12271.4 | 12347.6 | 12465.8 | 13669.3 | 14328.9 | 13916.3 | 14838.7 |
| 52.5° | 13821.7 | 13884.8 | 13729.8 | 13700.9 | 14089.8 | 14294.7 | 15761.0 | 16005.4 | 15106.7 | 16202.4 |
| 55° | 14541.7 | 14615.3 | 14794.0 | 14996.3 | 15745.2 | 16013.3 | 17787.0 | 17595.1 | 16102.6 | 17384.9 |
| 57.5° | 15561.3 | 15456.2 | 15732.1 | 16131.5 | 17342.9 | 17666.1 | 19749.9 | 19095.6 | 16904.0 | 18344.0 |
| 60° | 16798.9 | 16814.7 | 16862.0 | 17366.5 | 18937.9 | 19353.1 | 21683.8 | 20514.5 | 17419.1 | 18932.6 |
| 62.5° | 18286.2 | 18309.9 | 18407.1 | 19182.3 | 21079.5 | 21471.0 | 23744.0 | 21676.0 | 17655.6 | 18767.1 |
| 65° | 18183.7 | 18283.6 | 19368.8 | 22020.2 | 24335.2 | 24721.5 | 26148.3 | 22490.6 | 17298.2 | 17253.5 |
| 67.5° | 16565.1 | 16728.0 | 18543.7 | 25409.9 | 29243.8 | 29674.7 | 29054.6 | 22650.8 | 15755.7 | 13417.1 |
| 70° | 14441.9 | 14499.7 | 16683.3 | 28458.1 | 34927.5 | 35363.7 | 31656.0 | 20887.6 | 11956.1 | 7483.7 |
| 72.5° | 11278.1 | 11291.3 | 13853.3 | 29164.9 | 38012.4 | 38036.1 | 29614.3 | 15506.1 | 6430.0 | 2874.7 |
| 75° | 8056.6 | 7977.7 | 9278.4 | 23652.0 | 33442.8 | 33710.9 | 22201.5 | 7273.5 | 2456.9 | 1358.5 |
| 77.5° | 4320.0 | 4406.7 | 5250.2 | 14026.7 | 23102.8 | 23560.0 | 12113.7 | 2096.9 | 1250.8 | 925.0 |
| 80° | 1334.9 | 1408.5 | 2152.1 | 6422.1 | 13086.0 | 13361.9 | 4490.8 | 932.8 | 872.4 | 659.6 |
| 82.5° | 420.4 | 436.2 | 1003.8 | 2698.7 | 5431.5 | 5557.6 | 1300.7 | 528.2 | 596.5 | 436.2 |
| 85° | 120.9 | 123.5 | 446.7 | 1006.4 | 1342.8 | 1369.0 | 365.3 | 205.0 | 341.6 | 270.7 |
| 87.5° | 13.1 | 42.0 | 168.2 | 168.2 | 118.2 | 115.6 | 39.4 | 44.7 | 97.2 | 34.2 |
| 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° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5197.6 | 0° | 5197.6 | 5197.6 | 5197.6 | 5197.6 | 5197.6 | 5197.6 | 5197.6 | 5197.6 | 5197.6 | 5197.6 |
| 5221.3 | 2.5° | 5208.1 | 5210.7 | 5176.6 | 5118.8 | 5055.7 | 5003.2 | 4937.5 | 4884.9 | 4848.1 | 4837.6 |
| 5268.6 | 5° | 5244.9 | 5226.5 | 5129.3 | 4953.2 | 4743.0 | 4561.7 | 4359.4 | 4199.1 | 4094.0 | 4049.3 |
| 5318.5 | 7.5° | 5300.1 | 5247.5 | 5034.7 | 4687.8 | 4285.8 | 3928.4 | 3565.8 | 3284.6 | 3106.0 | 3016.6 |
| 5365.8 | 10° | 5347.4 | 5242.3 | 4877.0 | 4304.2 | 3689.3 | 3148.0 | 2659.2 | 2320.3 | 2131.1 | 2041.7 |
| 5421.0 | 12.5° | 5392.1 | 5239.6 | 4672.1 | 3849.6 | 3016.6 | 2354.4 | 1899.8 | 1731.7 | 1679.1 | 1660.7 |
| 5510.3 | 15° | 5476.1 | 5247.5 | 4414.5 | 3329.3 | 2346.5 | 1779.0 | 1613.4 | 1610.8 | 1621.3 | 1616.0 |
| 5646.9 | 17.5° | 5591.8 | 5255.4 | 4122.9 | 2777.5 | 1810.5 | 1568.7 | 1560.9 | 1584.5 | 1600.3 | 1592.4 |
| 5817.7 | 20° | 5741.5 | 5286.9 | 3812.8 | 2230.9 | 1555.6 | 1516.2 | 1534.6 | 1555.6 | 1568.7 | 1555.6 |
| 6046.4 | 22.5° | 5951.8 | 5342.1 | 3473.8 | 1792.1 | 1474.1 | 1484.7 | 1500.4 | 1524.1 | 1537.2 | 1518.8 |
| 6338.0 | 25° | 6209.3 | 5428.8 | 3140.1 | 1558.2 | 1434.7 | 1447.9 | 1471.5 | 1497.8 | 1513.6 | 1495.2 |
| 6705.9 | 27.5° | 6543.0 | 5568.1 | 2832.7 | 1505.7 | 1395.3 | 1403.2 | 1437.4 | 1476.8 | 1497.8 | 1474.1 |
| 7228.8 | 30° | 7026.5 | 5796.7 | 2567.3 | 1529.3 | 1371.7 | 1353.3 | 1400.6 | 1455.8 | 1479.4 | 1458.4 |
| 7940.9 | 32.5° | 7667.7 | 6119.9 | 2404.4 | 1566.1 | 1361.2 | 1295.5 | 1340.1 | 1411.1 | 1450.5 | 1437.4 |
| 8871.1 | 35° | 8508.5 | 6611.3 | 2341.3 | 1608.2 | 1353.3 | 1235.0 | 1266.6 | 1342.8 | 1411.1 | 1424.2 |
| 10043.1 | 37.5° | 9528.1 | 7294.5 | 2359.7 | 1626.6 | 1329.6 | 1185.1 | 1200.9 | 1266.6 | 1355.9 | 1397.9 |
| 11362.2 | 40° | 10686.9 | 8090.7 | 2464.8 | 1608.2 | 1303.3 | 1143.1 | 1145.7 | 1195.6 | 1274.4 | 1337.5 |
| 12781.2 | 42.5° | 11882.5 | 9020.9 | 2659.2 | 1539.8 | 1279.7 | 1106.3 | 1098.4 | 1132.5 | 1185.1 | 1229.8 |
| 14197.5 | 45° | 13020.3 | 9977.4 | 2851.1 | 1445.2 | 1250.8 | 1069.5 | 1051.1 | 1064.2 | 1074.7 | 1093.1 |
| 15577.1 | 47.5° | 14013.6 | 10650.1 | 2795.9 | 1358.5 | 1211.4 | 1027.4 | 995.9 | 990.6 | 959.1 | 956.5 |
| 16809.4 | 50° | 14699.4 | 10797.3 | 2483.2 | 1271.8 | 1153.6 | 980.1 | 930.2 | 898.7 | 843.5 | 817.2 |
| 17731.8 | 52.5° | 14917.5 | 10216.5 | 2028.6 | 1185.1 | 1059.0 | 917.1 | 846.1 | 796.2 | 727.9 | 704.2 |
| 18262.6 | 55° | 14628.4 | 9078.7 | 1621.3 | 1080.0 | 927.6 | 833.0 | 754.2 | 688.5 | 633.3 | 604.4 |
| 18320.4 | 57.5° | 13921.6 | 7630.9 | 1282.3 | 956.5 | 788.3 | 738.4 | 659.6 | 593.9 | 546.6 | 517.7 |
| 17679.2 | 60° | 12749.6 | 6059.5 | 1014.3 | 809.3 | 672.7 | 635.9 | 554.4 | 512.4 | 470.4 | 436.2 |
| 16023.8 | 62.5° | 10970.7 | 4325.2 | 796.2 | 641.2 | 562.3 | 520.3 | 473.0 | 441.5 | 391.5 | 344.2 |
| 13046.6 | 65° | 8561.1 | 2646.1 | 614.9 | 470.4 | 452.0 | 430.9 | 402.0 | 373.1 | 312.7 | 265.4 |
| 8511.1 | 67.5° | 5399.9 | 1253.4 | 438.8 | 354.7 | 357.4 | 346.9 | 333.7 | 310.1 | 265.4 | 223.4 |
| 3812.8 | 70° | 2378.1 | 607.0 | 289.0 | 270.7 | 265.4 | 265.4 | 275.9 | 268.0 | 226.0 | 186.6 |
| 1324.4 | 72.5° | 809.3 | 325.8 | 215.5 | 205.0 | 191.8 | 189.2 | 231.2 | 223.4 | 181.3 | 144.5 |
| 659.6 | 75° | 423.1 | 218.1 | 157.7 | 147.2 | 115.6 | 139.3 | 183.9 | 173.4 | 128.8 | 94.6 |
| 436.2 | 77.5° | 275.9 | 155.0 | 107.7 | 94.6 | 65.7 | 92.0 | 136.6 | 120.9 | 76.2 | 47.3 |
| 286.4 | 80° | 173.4 | 102.5 | 63.1 | 44.7 | 31.5 | 49.9 | 73.6 | 52.6 | 28.9 | 10.5 |
| 168.2 | 82.5° | 92.0 | 52.6 | 23.6 | 15.8 | 13.1 | 15.8 | 18.4 | 13.1 | 5.3 | 0.0 |
| 86.7 | 85° | 36.8 | 18.4 | 7.9 | 5.3 | 2.6 | 0.0 | 5.3 | 2.6 | 0.0 | 0.0 |
| 15.8 | 87.5° | 13.1 | 2.6 | 0.0 | 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° |
|--------|
| 5197.6 |
| 4856.0 |
| 4065.1 |
| 3029.7 |
| 2044.4 |
| 1655.5 |
| 1613.4 |
| 1589.8 |
| 1553.0 |
| 1516.2 |
| 1492.5 |
| 1474.1 |
| 1455.8 |
| 1437.4 |
| 1424.2 |
| 1408.5 |
| 1358.5 |
| 1248.2 |
| 1103.6 |
| 953.9 |
| 819.8 |
| 701.6 |
| 604.4 |
| 512.4 |
| 428.3 |
| 336.3 |
| 257.5 |
| 218.1 |
| 178.7 |
| 136.6 |
| 86.7 |
| 42.0 |
| 7.9 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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