

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: P849733

Luminaire Tested: **GLAN-SB6D-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41268 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

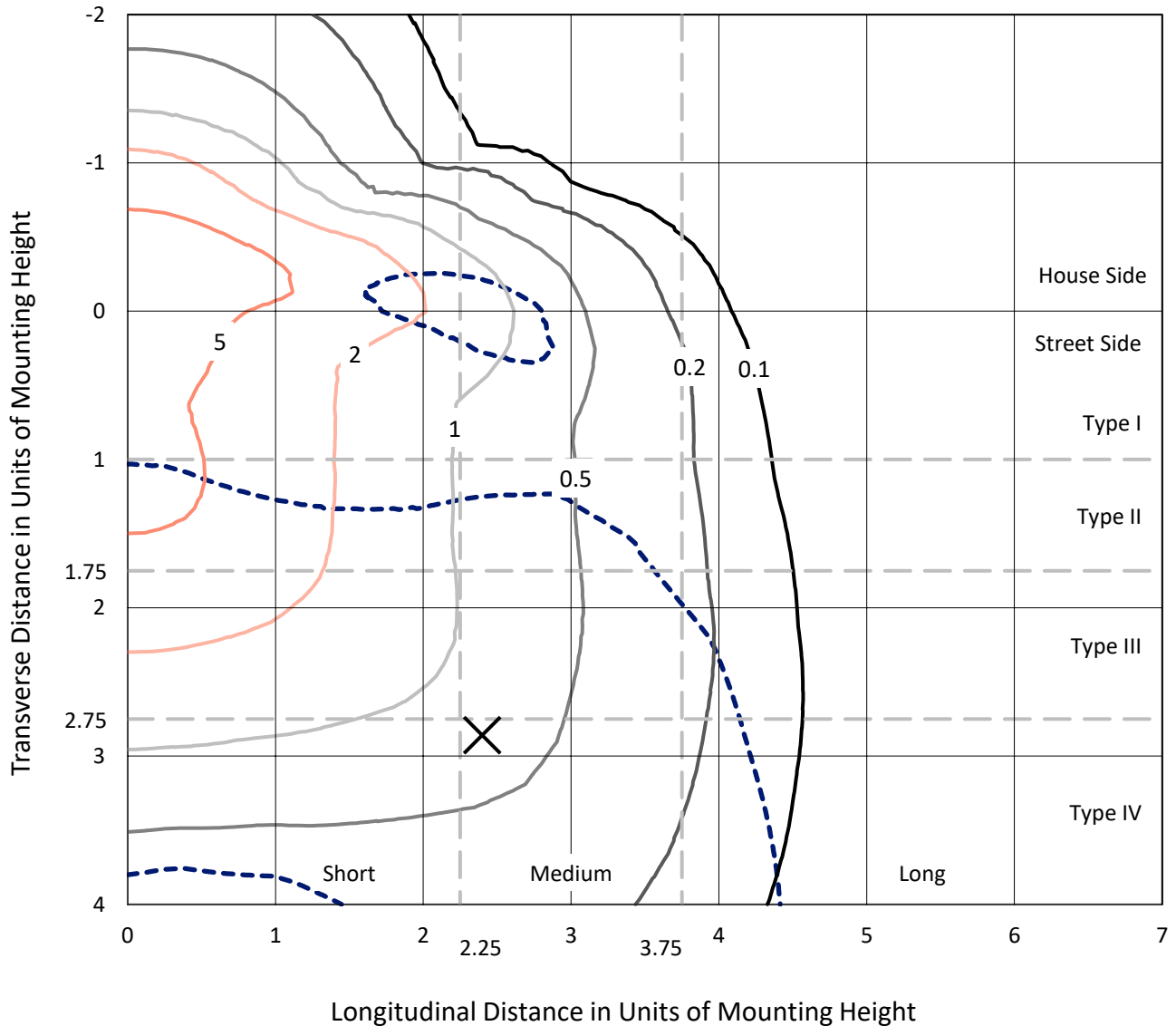
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

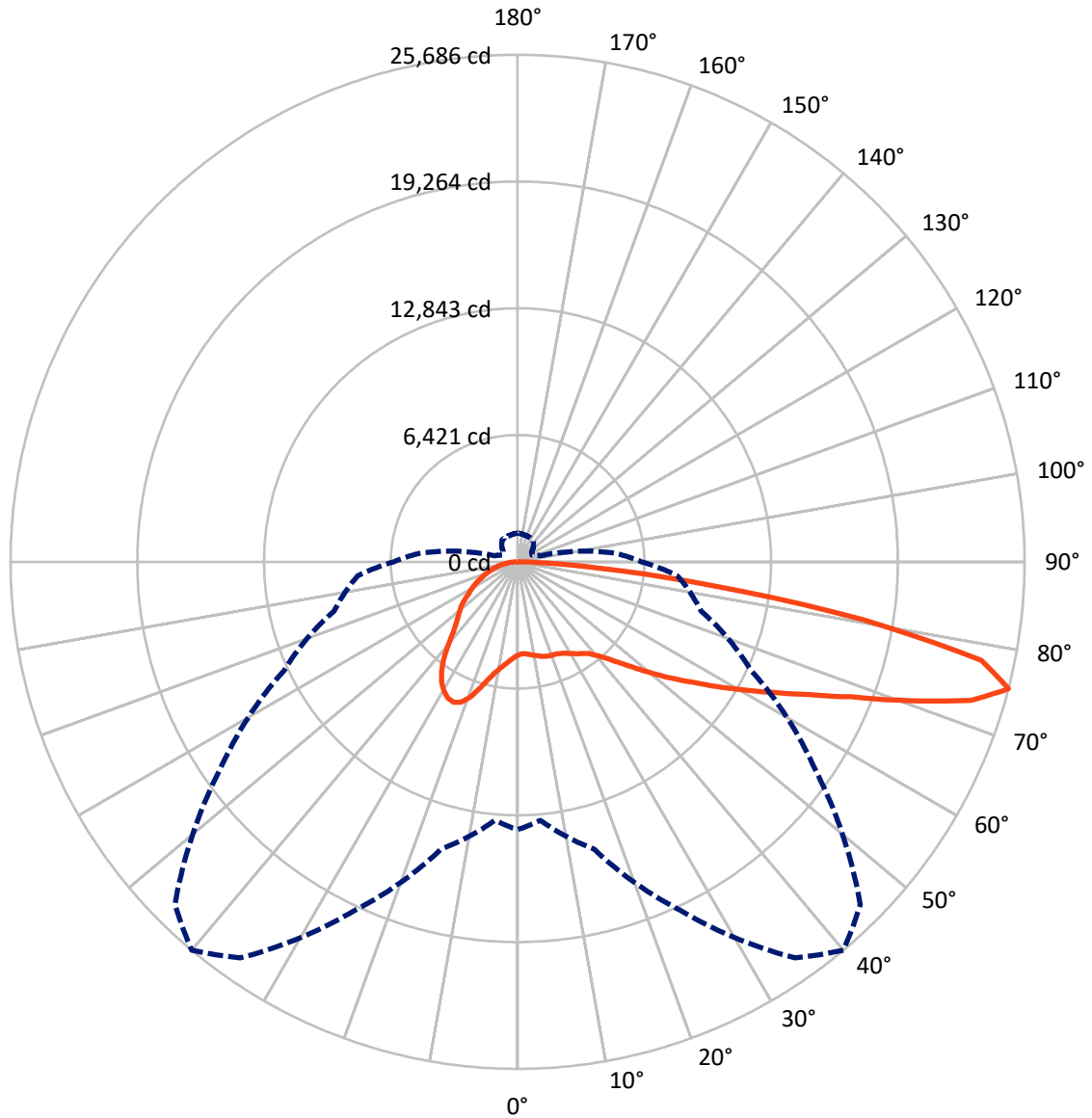
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 12786.2 | 0.0 | 12786.2 |
| | % Fixture | 31.0 | 0.0 | 31.0 |
| Street Side | Lumens | 28481.8 | 0.0 | 28481.8 |
| | % Fixture | 69.0 | 0.0 | 69.0 |
| Total | Lumens | 41268.0 | 0.0 | 41268.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 471.1 | 1.1 |
| 10°-20° | 1581.5 | 3.8 |
| 20°-30° | 2887.8 | 7.0 |
| 30°-40° | 4095.6 | 9.9 |
| 40°-50° | 5530.3 | 13.4 |
| 50°-60° | 7439.8 | 18.0 |
| 60°-70° | 9442.8 | 22.9 |
| 70°-80° | 8569.9 | 20.8 |
| 80°-90° | 1249.2 | 3.0 |
| 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° | 41268.0 | 100.0 |
| 0°-180° | 41268.0 | 100.0 |

Coefficient of Utilization

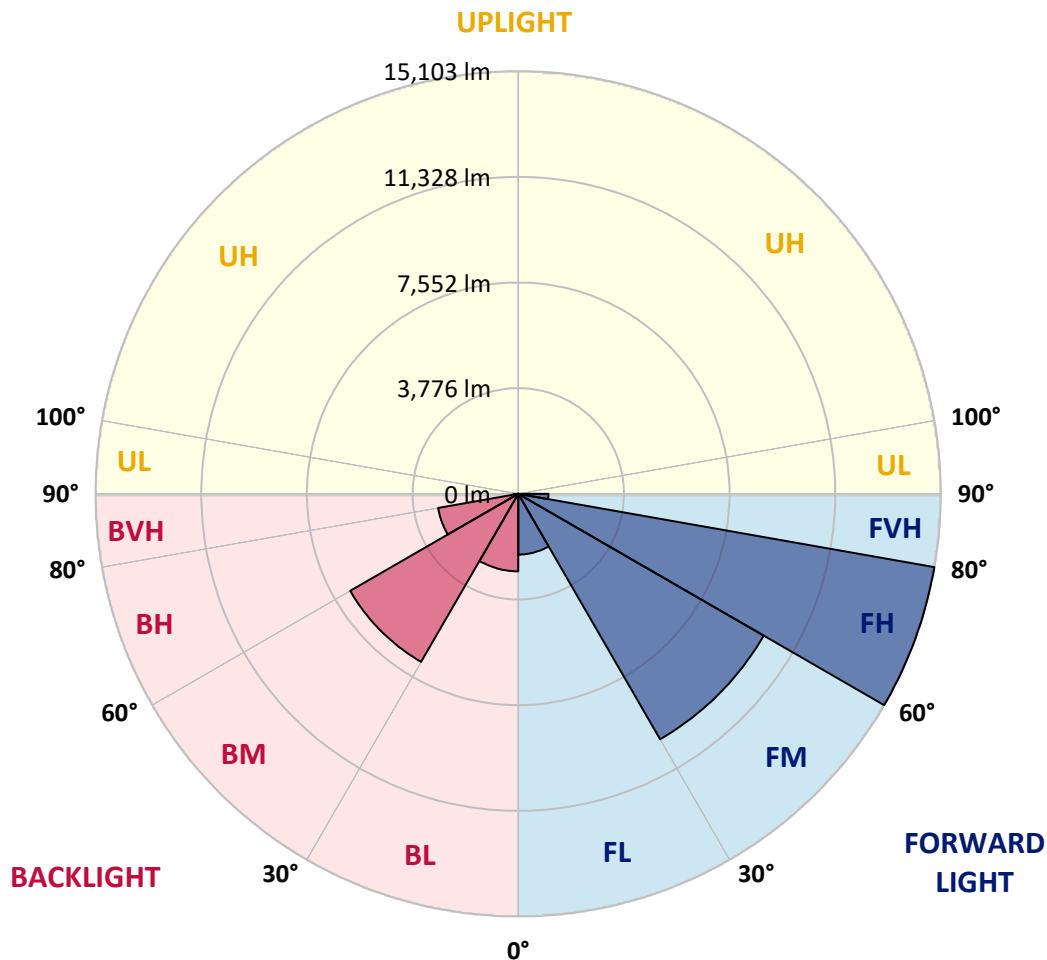


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2170.7 | 5.3 | | | |
| FM (30°-60°) | 10130.4 | 24.5 | | | |
| FH (60°-80°) | 15103.5 | 36.6 | | | G5 |
| FVH (80°-90°) | 1077.2 | 2.6 | | | G5 |
| BL (0°-30°) | 2769.6 | 6.7 | B4/5000 | | |
| BM (30°-60°) | 6935.4 | 16.8 | B4/8500 | | |
| BH (60°-80°) | 2909.2 | 7.0 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 172.0 | 0.4 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 40° | 45° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4719.1 | 4719.1 | 4719.1 | 4719.1 | 4719.1 | 4719.1 | 4719.1 | 4719.1 | 4719.1 | 4719.1 |
| 2.5° | 4646.8 | 4673.1 | 4666.5 | 4657.8 | 4657.8 | 4660.0 | 4657.8 | 4673.1 | 4688.4 | 4703.7 |
| 5° | 4695.0 | 4721.2 | 4708.1 | 4697.2 | 4688.4 | 4686.2 | 4679.7 | 4677.5 | 4686.2 | 4705.9 |
| 7.5° | 4789.1 | 4815.4 | 4795.7 | 4776.0 | 4758.4 | 4749.7 | 4740.9 | 4727.8 | 4721.2 | 4732.2 |
| 10° | 4894.2 | 4920.4 | 4896.3 | 4861.3 | 4832.9 | 4821.9 | 4813.2 | 4800.0 | 4791.3 | 4797.8 |
| 12.5° | 4999.2 | 5025.5 | 4992.7 | 4944.5 | 4907.3 | 4900.7 | 4889.8 | 4885.4 | 4883.2 | 4881.0 |
| 15° | 5097.7 | 5119.6 | 5078.0 | 5021.1 | 4981.7 | 4970.8 | 4959.8 | 4966.4 | 4977.3 | 4990.5 |
| 17.5° | 5174.3 | 5196.2 | 5134.9 | 5060.5 | 5023.3 | 5018.9 | 5012.3 | 5034.2 | 5064.9 | 5097.7 |
| 20° | 5244.4 | 5266.3 | 5187.5 | 5086.8 | 5043.0 | 5043.0 | 5045.2 | 5091.1 | 5134.9 | 5183.1 |
| 22.5° | 5342.9 | 5360.4 | 5264.1 | 5126.2 | 5062.7 | 5067.1 | 5084.6 | 5130.5 | 5185.3 | 5250.9 |
| 25° | 5489.5 | 5502.6 | 5384.4 | 5200.6 | 5128.4 | 5141.5 | 5156.8 | 5178.7 | 5231.2 | 5307.8 |
| 27.5° | 5725.9 | 5736.8 | 5581.4 | 5331.9 | 5222.5 | 5244.4 | 5266.3 | 5250.9 | 5275.0 | 5340.7 |
| 30° | 6058.6 | 6065.2 | 5868.2 | 5537.7 | 5382.3 | 5393.2 | 5397.6 | 5334.1 | 5288.1 | 5340.7 |
| 32.5° | 6452.6 | 6450.4 | 6216.2 | 5787.2 | 5563.9 | 5553.0 | 5515.8 | 5391.0 | 5283.8 | 5329.7 |
| 35° | 7063.3 | 7039.2 | 6737.1 | 6137.4 | 5769.7 | 5701.8 | 5614.3 | 5454.5 | 5305.6 | 5318.8 |
| 37.5° | 8074.5 | 8000.1 | 7582.0 | 6710.9 | 6076.1 | 5903.2 | 5774.1 | 5557.4 | 5353.8 | 5314.4 |
| 40° | 9214.8 | 9120.7 | 8661.1 | 7496.6 | 6535.8 | 6257.8 | 6049.8 | 5704.0 | 5432.6 | 5334.1 |
| 42.5° | 10567.5 | 10434.0 | 9939.3 | 8422.5 | 7118.0 | 6715.2 | 6402.2 | 5890.1 | 5548.6 | 5397.6 |
| 45° | 12228.8 | 12051.5 | 11351.1 | 9466.6 | 7851.2 | 7315.0 | 6896.9 | 6172.4 | 5725.9 | 5520.2 |
| 47.5° | 13907.6 | 13951.4 | 12955.5 | 10661.6 | 8731.1 | 8054.8 | 7516.3 | 6597.0 | 5984.2 | 5717.1 |
| 50° | 15691.5 | 15722.1 | 14551.1 | 11985.9 | 9729.2 | 8890.9 | 8212.4 | 7072.0 | 6343.1 | 5997.3 |
| 52.5° | 17083.6 | 17088.0 | 16000.1 | 13371.4 | 10768.9 | 9810.2 | 8963.1 | 7614.8 | 6759.0 | 6369.4 |
| 55° | 17954.7 | 17943.8 | 17015.7 | 14682.5 | 11964.0 | 10775.5 | 9794.9 | 8232.1 | 7266.8 | 6807.2 |
| 57.5° | 18587.3 | 18554.4 | 17716.1 | 15809.7 | 13237.9 | 11915.8 | 10736.1 | 8932.5 | 7866.5 | 7328.1 |
| 60° | 18828.0 | 18808.4 | 18191.1 | 16783.7 | 14577.4 | 13176.6 | 11821.7 | 9716.1 | 8547.3 | 7943.2 |
| 62.5° | 18920.0 | 18957.2 | 18657.3 | 17727.1 | 16011.1 | 14573.0 | 13014.6 | 10652.9 | 9313.3 | 8639.2 |
| 65° | 19243.9 | 19311.8 | 19250.5 | 18961.6 | 17630.8 | 16208.1 | 14597.1 | 11767.0 | 10149.5 | 9385.6 |
| 67.5° | 19885.2 | 19953.1 | 19979.4 | 20439.0 | 19609.5 | 18245.8 | 16571.4 | 13154.7 | 11127.9 | 10160.4 |
| 70° | 19869.9 | 19850.2 | 20314.2 | 21614.4 | 22087.2 | 21067.2 | 19233.0 | 14861.9 | 12294.5 | 10803.9 |
| 72.5° | 18086.0 | 17928.5 | 19025.0 | 21601.3 | 24149.0 | 24013.3 | 22483.3 | 17063.9 | 13301.3 | 10882.7 |
| 75° | 13568.4 | 13148.1 | 15085.2 | 19467.2 | 24492.7 | 25685.6 | 24549.6 | 18429.7 | 13062.8 | 9615.4 |
| 77.5° | 5802.5 | 5380.1 | 7663.0 | 14411.1 | 21920.8 | 24011.1 | 22654.1 | 16078.9 | 10427.4 | 6358.5 |
| 80° | 1519.0 | 1516.8 | 2315.7 | 6533.6 | 14907.9 | 17731.5 | 15555.8 | 10383.7 | 5957.9 | 2272.0 |
| 82.5° | 628.2 | 612.9 | 851.4 | 2541.2 | 7284.3 | 9950.3 | 8120.4 | 4631.5 | 2151.6 | 615.1 |
| 85° | 234.2 | 232.0 | 413.7 | 877.7 | 2569.7 | 4104.0 | 2970.2 | 1184.1 | 536.3 | 299.9 |
| 87.5° | 65.7 | 63.5 | 89.7 | 304.2 | 626.0 | 949.9 | 507.8 | 194.8 | 151.0 | 118.2 |
| 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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 CATALOG NUMBER: GLAN-SB6D-930-U-SL4

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 4719.1 | 0° | 4719.1 | 4719.1 | 4719.1 | 4719.1 | 4719.1 | 4719.1 | 4719.1 | 4719.1 | 4719.1 | 4719.1 |
| 4727.8 | 2.5° | 4734.4 | 4745.3 | 4765.0 | 4780.3 | 4800.0 | 4821.9 | 4852.6 | 4872.3 | 4892.0 | 4905.1 |
| 4738.7 | 5° | 4754.1 | 4778.1 | 4828.5 | 4878.8 | 4937.9 | 4992.7 | 5056.1 | 5102.1 | 5139.3 | 5150.2 |
| 4778.1 | 7.5° | 4797.8 | 4837.2 | 4922.6 | 5008.0 | 5102.1 | 5191.8 | 5283.8 | 5362.6 | 5426.0 | 5450.1 |
| 4848.2 | 10° | 4874.5 | 4927.0 | 5047.4 | 5167.8 | 5292.5 | 5430.4 | 5548.6 | 5662.4 | 5752.2 | 5789.4 |
| 4931.4 | 12.5° | 4970.8 | 5036.4 | 5194.0 | 5360.4 | 5533.3 | 5723.7 | 5876.9 | 6017.0 | 6128.6 | 6179.0 |
| 5047.4 | 15° | 5095.5 | 5180.9 | 5382.3 | 5605.5 | 5859.4 | 6124.3 | 6319.1 | 6474.5 | 6599.2 | 6660.5 |
| 5167.8 | 17.5° | 5231.2 | 5345.0 | 5598.9 | 5936.0 | 6299.4 | 6647.4 | 6875.0 | 6988.8 | 7118.0 | 7177.1 |
| 5279.4 | 20° | 5362.6 | 5502.6 | 5866.0 | 6356.3 | 6840.0 | 7209.9 | 7393.8 | 7424.4 | 7433.2 | 7439.7 |
| 5384.4 | 22.5° | 5498.3 | 5686.5 | 6200.9 | 6886.0 | 7404.7 | 7660.8 | 7687.1 | 7555.7 | 7371.9 | 7286.5 |
| 5487.3 | 25° | 5647.1 | 5896.6 | 6638.6 | 7470.4 | 7890.6 | 7921.3 | 7719.9 | 7400.3 | 7052.3 | 6892.5 |
| 5570.5 | 27.5° | 5791.6 | 6139.6 | 7163.9 | 8028.5 | 8240.8 | 7971.6 | 7538.2 | 7085.1 | 6664.9 | 6496.4 |
| 5629.6 | 30° | 5936.0 | 6417.6 | 7744.0 | 8516.6 | 8400.6 | 7846.8 | 7251.5 | 6745.9 | 6323.4 | 6146.1 |
| 5682.1 | 32.5° | 6082.7 | 6741.5 | 8411.6 | 8869.0 | 8372.2 | 7582.0 | 6894.7 | 6365.0 | 5992.9 | 5806.9 |
| 5728.1 | 35° | 6249.0 | 7139.9 | 9044.1 | 9061.6 | 8181.7 | 7192.4 | 6424.1 | 5909.8 | 5585.8 | 5437.0 |
| 5782.8 | 37.5° | 6465.7 | 7645.5 | 9602.3 | 9109.8 | 7849.0 | 6621.1 | 5839.7 | 5371.3 | 5104.3 | 5036.4 |
| 5863.8 | 40° | 6734.9 | 8254.0 | 10029.1 | 9033.2 | 7356.6 | 5927.3 | 5200.6 | 4826.3 | 4675.3 | 4690.6 |
| 5973.2 | 42.5° | 7085.1 | 8934.7 | 10328.9 | 8836.2 | 6671.5 | 5211.5 | 4640.3 | 4473.9 | 4546.1 | 4607.4 |
| 6137.4 | 45° | 7540.4 | 9641.7 | 10515.0 | 8501.3 | 5896.6 | 4605.2 | 4309.7 | 4349.1 | 4403.9 | 4410.4 |
| 6402.2 | 47.5° | 8122.6 | 10357.4 | 10637.6 | 7995.7 | 5106.5 | 4178.4 | 4099.6 | 4108.4 | 4097.4 | 4051.5 |
| 6798.4 | 50° | 8849.3 | 11053.4 | 10747.0 | 7325.9 | 4434.5 | 3911.4 | 3806.3 | 3775.7 | 3624.7 | 3475.8 |
| 7325.9 | 52.5° | 9676.7 | 11692.6 | 10793.0 | 6494.2 | 3911.4 | 3688.1 | 3517.4 | 3324.8 | 3042.4 | 2996.5 |
| 7989.1 | 55° | 10596.0 | 12283.5 | 10674.8 | 5472.0 | 3471.4 | 3401.4 | 3143.1 | 2911.1 | 2880.5 | 2841.1 |
| 8862.4 | 57.5° | 11694.8 | 12920.5 | 10434.0 | 4331.6 | 3020.5 | 3066.5 | 2814.8 | 2841.1 | 2786.3 | 2725.1 |
| 9985.3 | 60° | 12896.4 | 13579.3 | 10011.6 | 3292.0 | 2554.3 | 2648.4 | 2729.4 | 2727.2 | 2711.9 | 2661.6 |
| 11169.4 | 62.5° | 13977.7 | 14012.7 | 9179.8 | 2521.5 | 2145.0 | 2324.5 | 2545.6 | 2543.4 | 2530.3 | 2501.8 |
| 12406.1 | 65° | 14621.2 | 13947.0 | 7792.1 | 1985.2 | 1807.9 | 2057.5 | 2296.1 | 2313.6 | 2315.7 | 2313.6 |
| 13336.4 | 67.5° | 14507.4 | 13178.8 | 5887.9 | 1580.3 | 1530.0 | 1786.1 | 2048.7 | 2072.8 | 2090.3 | 2094.7 |
| 13454.5 | 70° | 13220.3 | 11491.2 | 3839.2 | 1260.7 | 1282.6 | 1547.5 | 1814.5 | 1838.6 | 1853.9 | 1871.4 |
| 11675.1 | 72.5° | 10304.9 | 8448.8 | 2197.6 | 1020.0 | 1065.9 | 1341.7 | 1582.5 | 1611.0 | 1619.7 | 1652.5 |
| 8124.8 | 75° | 6279.7 | 4968.6 | 1186.3 | 803.3 | 875.5 | 1146.9 | 1352.7 | 1385.5 | 1400.8 | 1440.2 |
| 3990.2 | 77.5° | 2985.5 | 2151.6 | 676.3 | 626.0 | 704.8 | 936.8 | 1142.6 | 1179.8 | 1138.2 | 1160.1 |
| 1101.0 | 80° | 1009.0 | 798.9 | 426.8 | 477.2 | 538.4 | 731.1 | 914.9 | 952.1 | 864.6 | 860.2 |
| 365.5 | 82.5° | 352.4 | 323.9 | 271.4 | 317.4 | 348.0 | 523.1 | 691.7 | 739.8 | 643.5 | 641.3 |
| 164.2 | 85° | 137.9 | 131.3 | 151.0 | 172.9 | 207.9 | 321.8 | 455.3 | 479.3 | 396.2 | 319.6 |
| 48.2 | 87.5° | 28.5 | 30.6 | 37.2 | 39.4 | 63.5 | 111.6 | 164.2 | 201.4 | 159.8 | 135.7 |
| 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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| 180° |
|--------|
| 4719.1 |
| 4896.3 |
| 5154.6 |
| 5452.3 |
| 5791.6 |
| 6179.0 |
| 6656.1 |
| 7174.9 |
| 7457.2 |
| 7310.6 |
| 6916.6 |
| 6516.1 |
| 6165.8 |
| 5831.0 |
| 5469.8 |
| 5084.6 |
| 4743.1 |
| 4664.3 |
| 4454.2 |
| 4086.5 |
| 3495.5 |
| 3011.8 |
| 2847.6 |
| 2714.1 |
| 2644.1 |
| 2490.9 |
| 2313.6 |
| 2099.1 |
| 1880.2 |
| 1665.7 |
| 1444.6 |
| 1142.6 |
| 851.4 |
| 610.7 |
| 315.2 |
| 124.8 |
| 0.0 |

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