

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: P949997

Luminaire Tested: **GLAN-SB4C-830-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949997  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-830-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28261 lumens  
Efficiency: N/A  
Efficacy: 140.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 200.7  
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

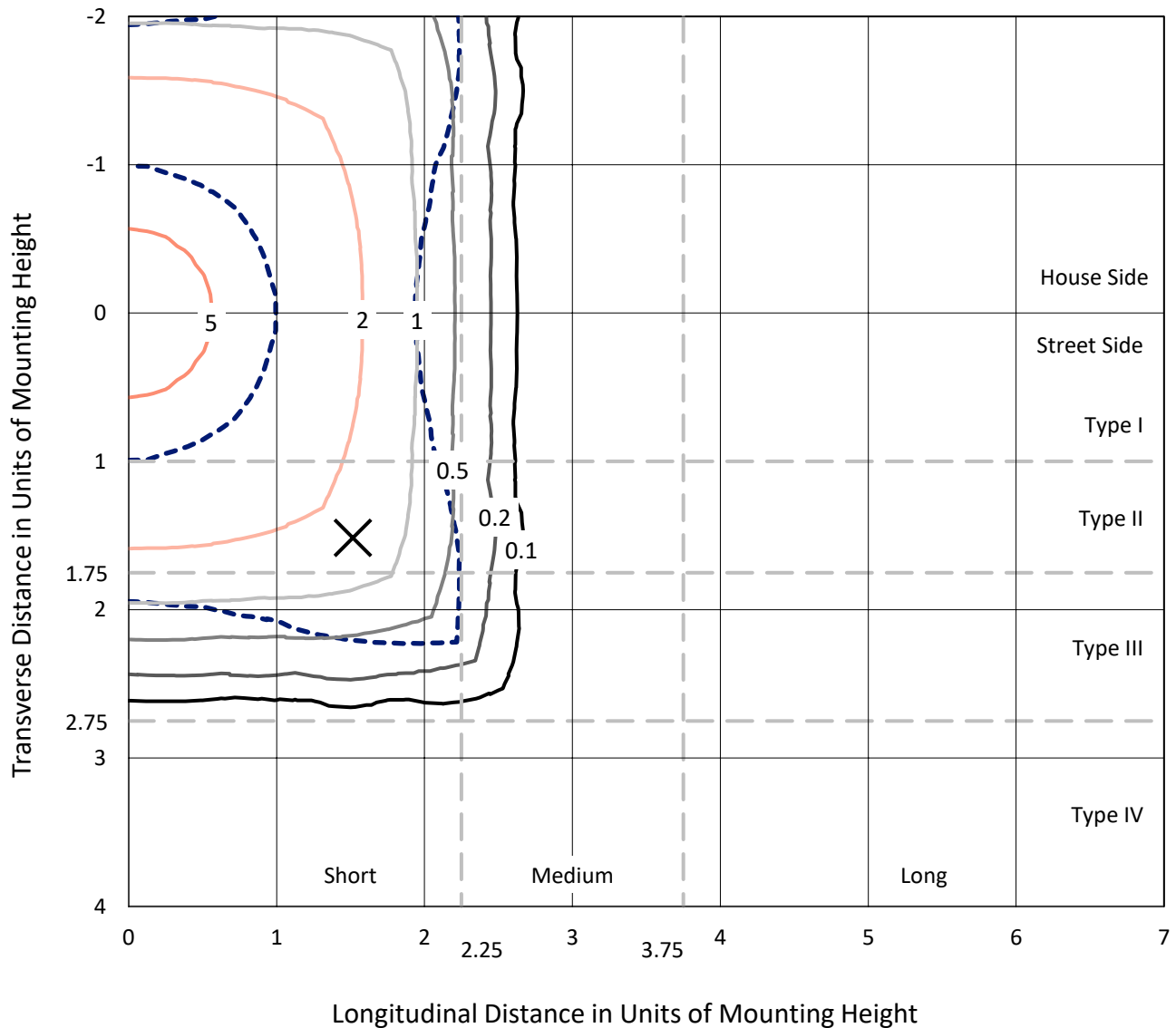


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

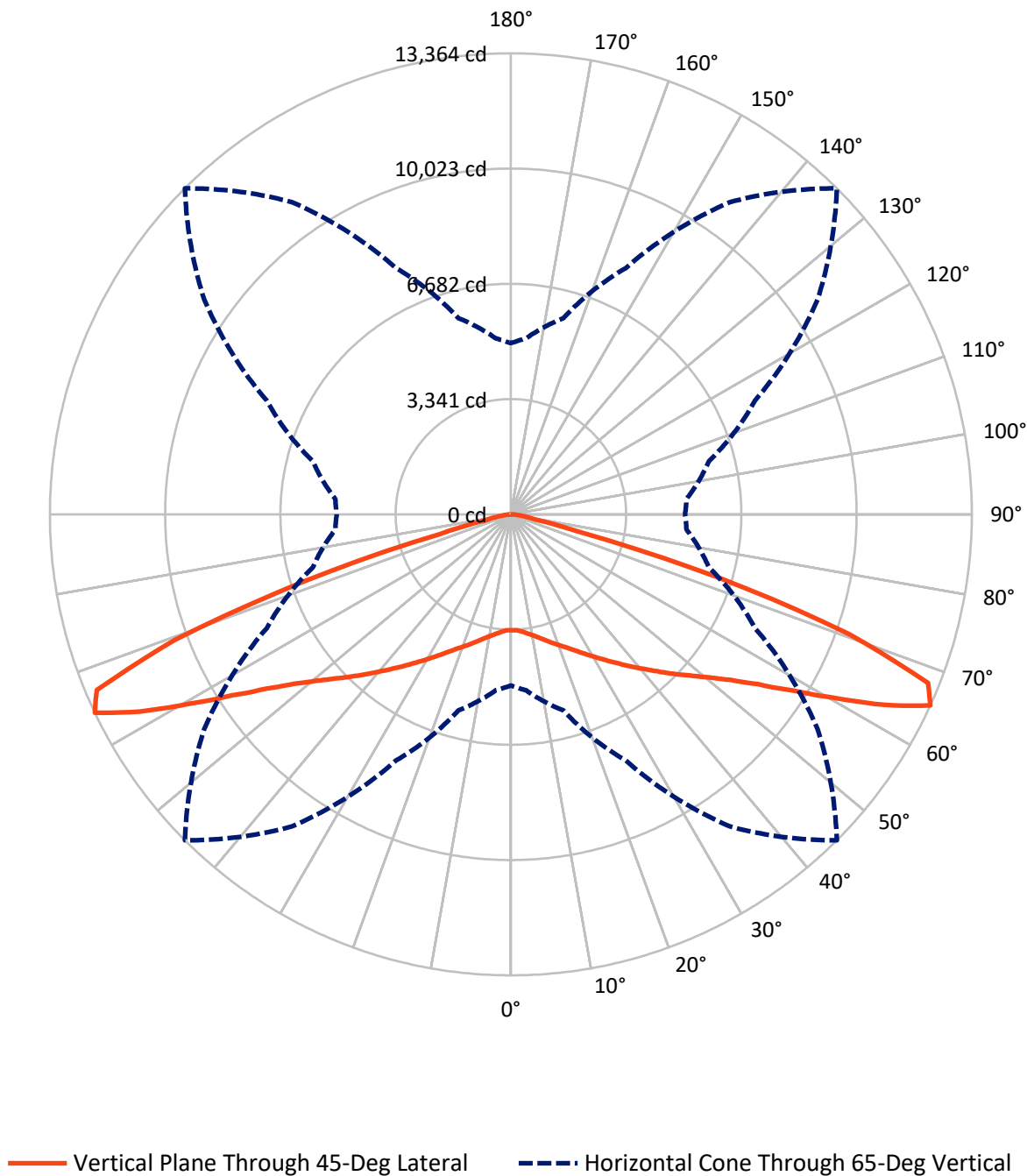


Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 14130.5  | 0.0    | 14130.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 14130.5  | 0.0    | 14130.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 28261.0  | 0.0    | 28261.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 331.9   | 1.2       |
| 10°-20°   | 1083.1  | 3.8       |
| 20°-30°   | 2045.0  | 7.2       |
| 30°-40°   | 3348.7  | 11.8      |
| 40°-50°   | 5192.2  | 18.4      |
| 50°-60°   | 7669.9  | 27.1      |
| 60°-70°   | 7301.0  | 25.8      |
| 70°-80°   | 1178.1  | 4.2       |
| 80°-90°   | 111.0   | 0.4       |
| 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°    | 28261.0 | 100.0     |
| 0°-180°   | 28261.0 | 100.0     |

**Coefficient of Utilization**



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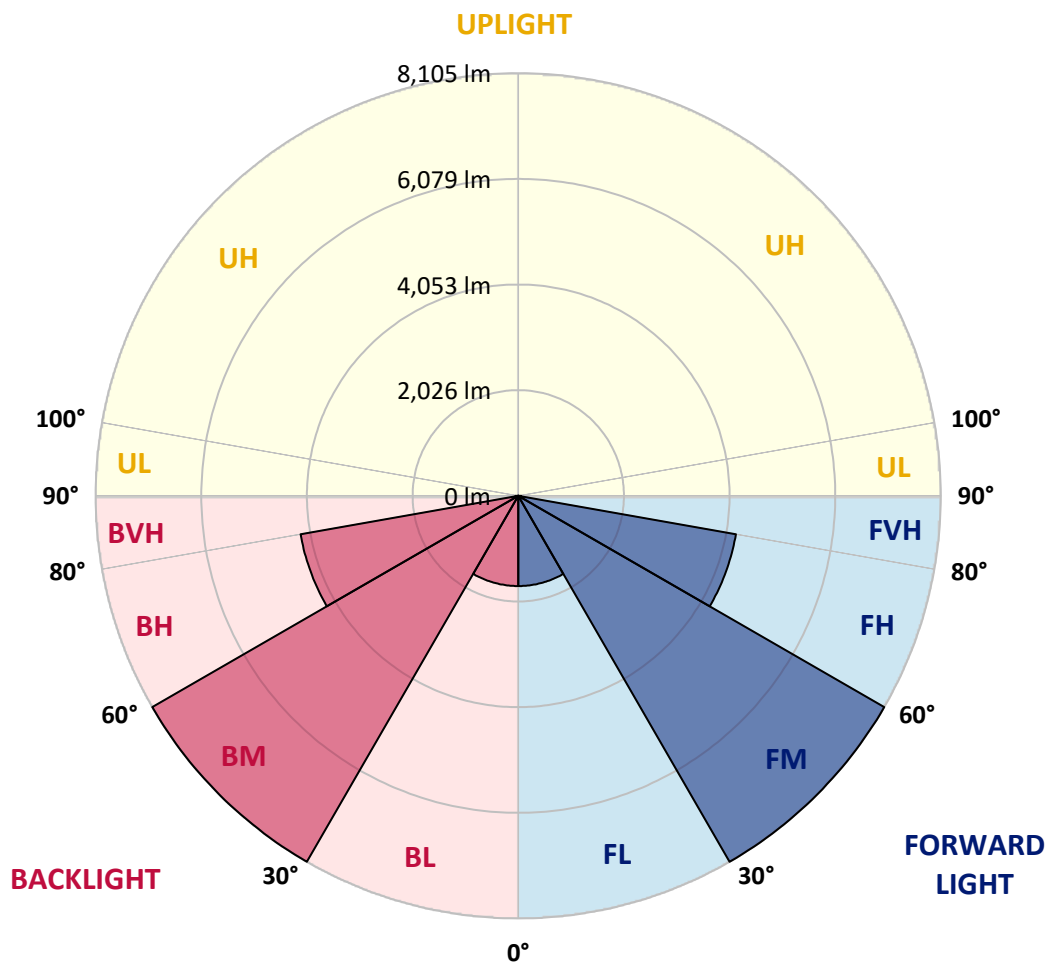
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1730.0 | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 8105.4 | 28.7      |                         |      |         |
| FH   | (60°-80°)   | 4239.6 | 15.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 55.5   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1730.0 | 6.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 8105.4 | 28.7      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4239.6 | 15.0      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 55.5   | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 45°     | 55°     | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|---------|---------|---------|--------|--------|--------|
| 0°    | 3363.3 | 3363.3 | 3363.3 | 3363.3 | 3363.3  | 3363.3  | 3363.3  | 3363.3 | 3363.3 | 3363.3 |
| 2.5°  | 3386.0 | 3374.7 | 3383.2 | 3376.1 | 3370.4  | 3364.8  | 3367.6  | 3377.5 | 3381.8 | 3383.2 |
| 5°    | 3431.4 | 3421.5 | 3425.7 | 3425.7 | 3415.8  | 3413.0  | 3414.4  | 3421.5 | 3430.0 | 3430.0 |
| 7.5°  | 3505.1 | 3495.2 | 3505.1 | 3499.5 | 3491.0  | 3488.1  | 3486.7  | 3492.4 | 3505.1 | 3505.1 |
| 10°   | 3594.5 | 3583.1 | 3588.8 | 3586.0 | 3576.0  | 3571.8  | 3570.4  | 3578.9 | 3590.2 | 3588.8 |
| 12.5° | 3692.3 | 3679.5 | 3686.6 | 3678.1 | 3675.3  | 3671.0  | 3671.0  | 3669.6 | 3676.7 | 3671.0 |
| 15°   | 3801.5 | 3793.0 | 3795.8 | 3790.1 | 3794.4  | 3791.6  | 3780.2  | 3774.5 | 3777.4 | 3768.9 |
| 17.5° | 3930.5 | 3910.7 | 3920.6 | 3917.8 | 3917.8  | 3923.4  | 3905.0  | 3897.9 | 3903.6 | 3895.1 |
| 20°   | 4079.4 | 4059.5 | 4063.8 | 4058.1 | 4051.0  | 4056.7  | 4034.0  | 4039.7 | 4044.0 | 4038.3 |
| 22.5° | 4242.5 | 4216.9 | 4215.5 | 4218.4 | 4202.8  | 4204.2  | 4188.6  | 4202.8 | 4211.3 | 4195.7 |
| 25°   | 4409.8 | 4382.8 | 4401.3 | 4394.2 | 4374.3  | 4378.6  | 4367.2  | 4381.4 | 4388.5 | 4368.7 |
| 27.5° | 4587.0 | 4568.6 | 4585.6 | 4589.9 | 4565.8  | 4582.8  | 4565.8  | 4578.5 | 4585.6 | 4555.8 |
| 30°   | 4794.0 | 4775.6 | 4791.2 | 4802.5 | 4774.2  | 4801.1  | 4786.9  | 4795.5 | 4796.9 | 4761.4 |
| 32.5° | 5019.5 | 4991.1 | 5030.8 | 5036.5 | 5005.3  | 5037.9  | 5019.5  | 5030.8 | 5037.9 | 4989.7 |
| 35°   | 5294.6 | 5259.1 | 5304.5 | 5297.4 | 5270.5  | 5297.4  | 5280.4  | 5297.4 | 5314.4 | 5256.3 |
| 37.5° | 5590.9 | 5554.1 | 5602.3 | 5589.5 | 5564.0  | 5582.4  | 5572.5  | 5583.8 | 5610.8 | 5548.4 |
| 40°   | 5917.0 | 5871.7 | 5936.9 | 5914.2 | 5890.1  | 5887.3  | 5892.9  | 5900.0 | 5935.5 | 5866.0 |
| 42.5° | 6265.9 | 6217.6 | 6315.5 | 6280.0 | 6246.0  | 6223.3  | 6241.7  | 6255.9 | 6290.0 | 6212.0 |
| 45°   | 6664.3 | 6609.0 | 6736.6 | 6694.1 | 6640.2  | 6593.4  | 6623.2  | 6644.4 | 6694.1 | 6600.5 |
| 47.5° | 7103.9 | 7041.5 | 7177.6 | 7164.8 | 7076.9  | 6974.8  | 7042.9  | 7103.9 | 7140.7 | 7027.3 |
| 50°   | 7533.5 | 7485.3 | 7663.9 | 7679.5 | 7571.8  | 7428.6  | 7523.6  | 7615.7 | 7625.7 | 7476.8 |
| 52.5° | 7936.2 | 7888.0 | 8147.5 | 8245.3 | 8148.9  | 7978.7  | 8079.4  | 8173.0 | 8097.8 | 7905.0 |
| 55°   | 8258.1 | 8218.4 | 8548.7 | 8801.1 | 8833.7  | 8693.4  | 8752.9  | 8750.1 | 8503.4 | 8207.0 |
| 57.5° | 8336.0 | 8330.4 | 8747.2 | 9281.8 | 9622.1  | 9639.1  | 9521.4  | 9220.8 | 8689.1 | 8290.7 |
| 60°   | 7981.6 | 8017.0 | 8589.8 | 9532.8 | 10440.3 | 10817.4 | 10308.4 | 9450.5 | 8477.8 | 7924.8 |
| 62.5° | 6920.9 | 7014.5 | 7705.1 | 9226.5 | 11101.0 | 12173.0 | 10939.4 | 9101.7 | 7610.1 | 6888.3 |
| 65°   | 4959.9 | 5123.0 | 5885.8 | 7873.8 | 11041.5 | 13364.0 | 10848.6 | 7810.0 | 5942.6 | 5110.2 |
| 67.5° | 2250.3 | 2416.2 | 3064.2 | 5391.0 | 9598.0  | 13040.7 | 9575.3  | 5447.7 | 3217.3 | 2424.7 |
| 70°   | 815.3  | 843.7  | 1052.1 | 2158.1 | 6134.0  | 10390.6 | 6396.3  | 2173.7 | 1118.8 | 899.0  |
| 72.5° | 493.4  | 497.7  | 541.7  | 772.8  | 2131.2  | 6308.4  | 2221.9  | 798.3  | 553.0  | 490.6  |
| 75°   | 313.4  | 310.5  | 385.7  | 472.2  | 755.8   | 2128.3  | 792.6   | 472.2  | 384.3  | 350.2  |
| 77.5° | 225.5  | 232.5  | 276.5  | 353.1  | 476.4   | 721.7   | 467.9   | 337.5  | 276.5  | 226.9  |
| 80°   | 168.7  | 173.0  | 201.3  | 275.1  | 334.6   | 449.5   | 297.8   | 249.6  | 208.4  | 141.8  |
| 82.5° | 121.9  | 121.9  | 131.9  | 199.9  | 204.2   | 242.5   | 161.6   | 175.8  | 137.5  | 100.7  |
| 85°   | 72.3   | 70.9   | 82.2   | 119.1  | 106.3   | 89.3    | 73.7    | 107.8  | 86.5   | 62.4   |
| 87.5° | 25.5   | 26.9   | 25.5   | 34.0   | 28.4    | 24.1    | 22.7    | 29.8   | 24.1   | 21.3   |
| 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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| 90°    |
|--------|
| 3363.3 |
| 3383.2 |
| 3430.0 |
| 3500.9 |
| 3586.0 |
| 3673.9 |
| 3770.3 |
| 3902.2 |
| 4051.0 |
| 4211.3 |
| 4391.3 |
| 4578.5 |
| 4782.7 |
| 5022.3 |
| 5291.7 |
| 5586.7 |
| 5888.7 |
| 6253.1 |
| 6648.7 |
| 7065.6 |
| 7495.2 |
| 7910.7 |
| 8216.9 |
| 8265.1 |
| 7859.6 |
| 6845.8 |
| 5049.3 |
| 2389.2 |
| 887.6  |
| 499.1  |
| 353.1  |
| 231.1  |
| 146.0  |
| 100.7  |
| 61.0   |
| 19.9   |
| 0.0    |

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