

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: P942700

Luminaire Tested: **GLAN-SB6D-830-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942700  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-830-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 56086 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - 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

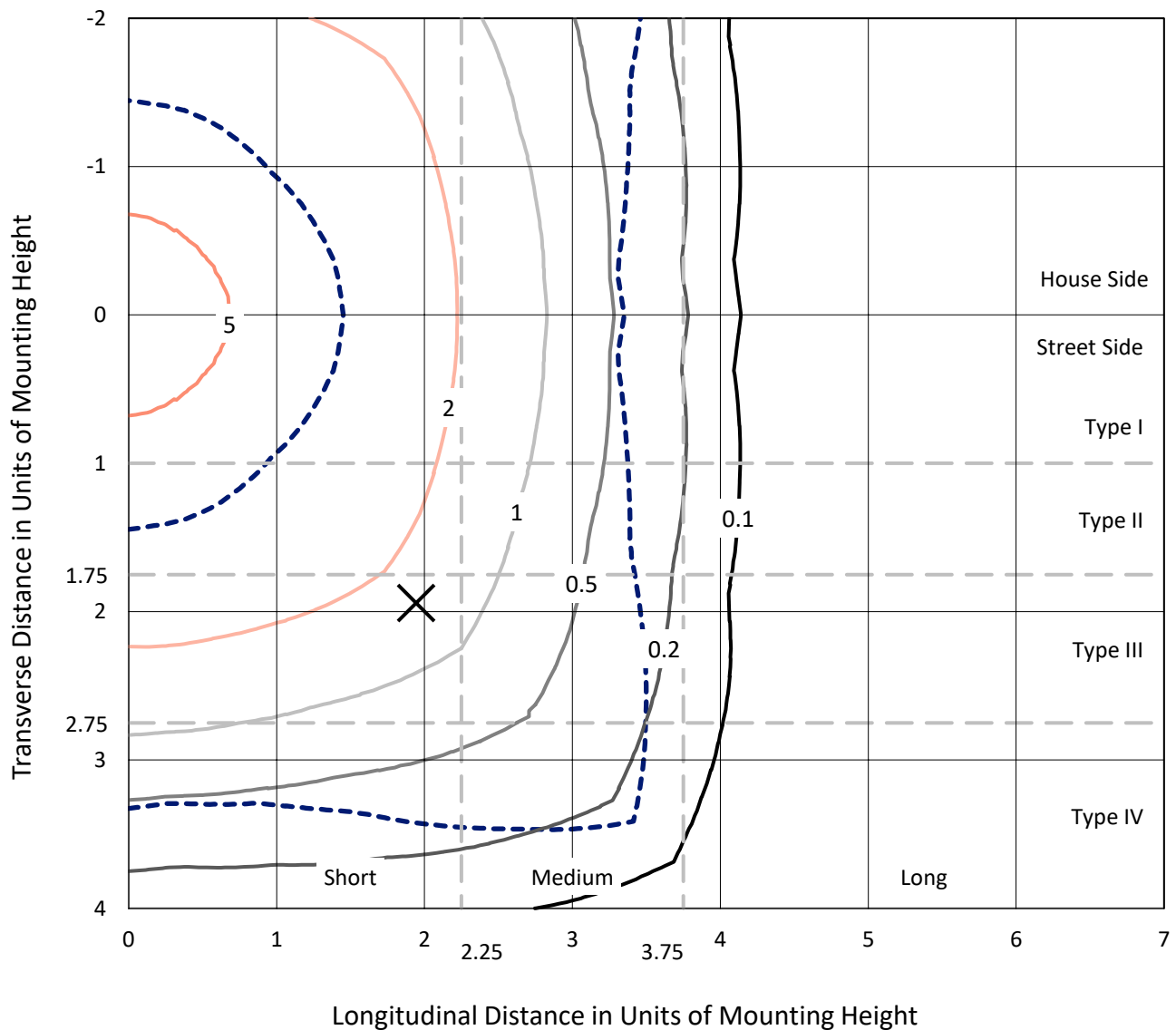


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## Iso-Footcandle Lines of Horizontal Illumination

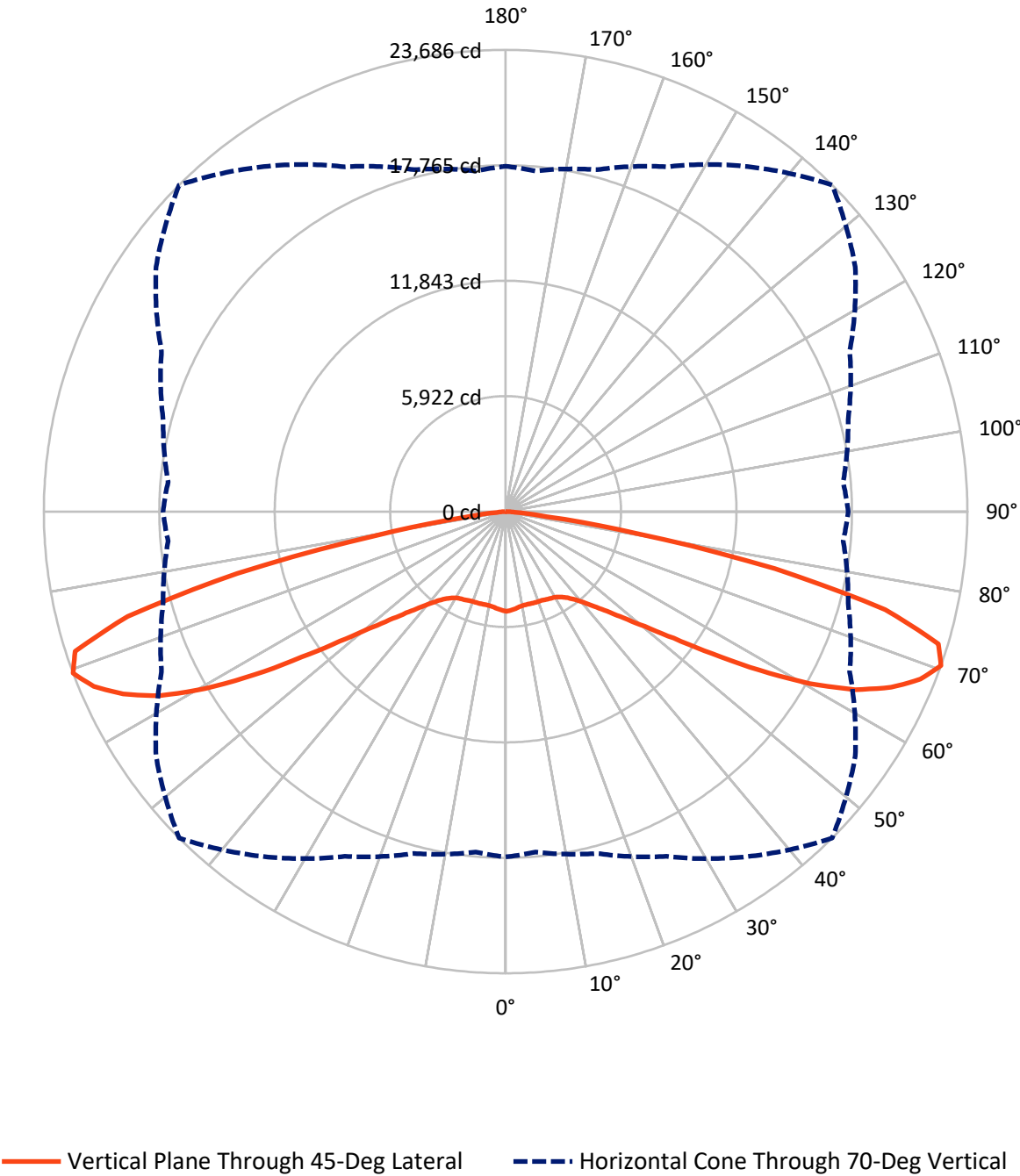
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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    | 28043.0  | 0.0    | 28043.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 28043.0  | 0.0    | 28043.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 56086.0  | 0.0    | 56086.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 475.9   | 0.8       |
| 10°-20°   | 1397.4  | 2.5       |
| 20°-30°   | 2325.5  | 4.1       |
| 30°-40°   | 3516.9  | 6.3       |
| 40°-50°   | 5844.3  | 10.4      |
| 50°-60°   | 11027.9 | 19.7      |
| 60°-70°   | 18621.0 | 33.2      |
| 70°-80°   | 12236.0 | 21.8      |
| 80°-90°   | 641.0   | 1.1       |
| 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°    | 56086.0 | 100.0     |
| 0°-180°   | 56086.0 | 100.0     |

**Coefficient of Utilization**



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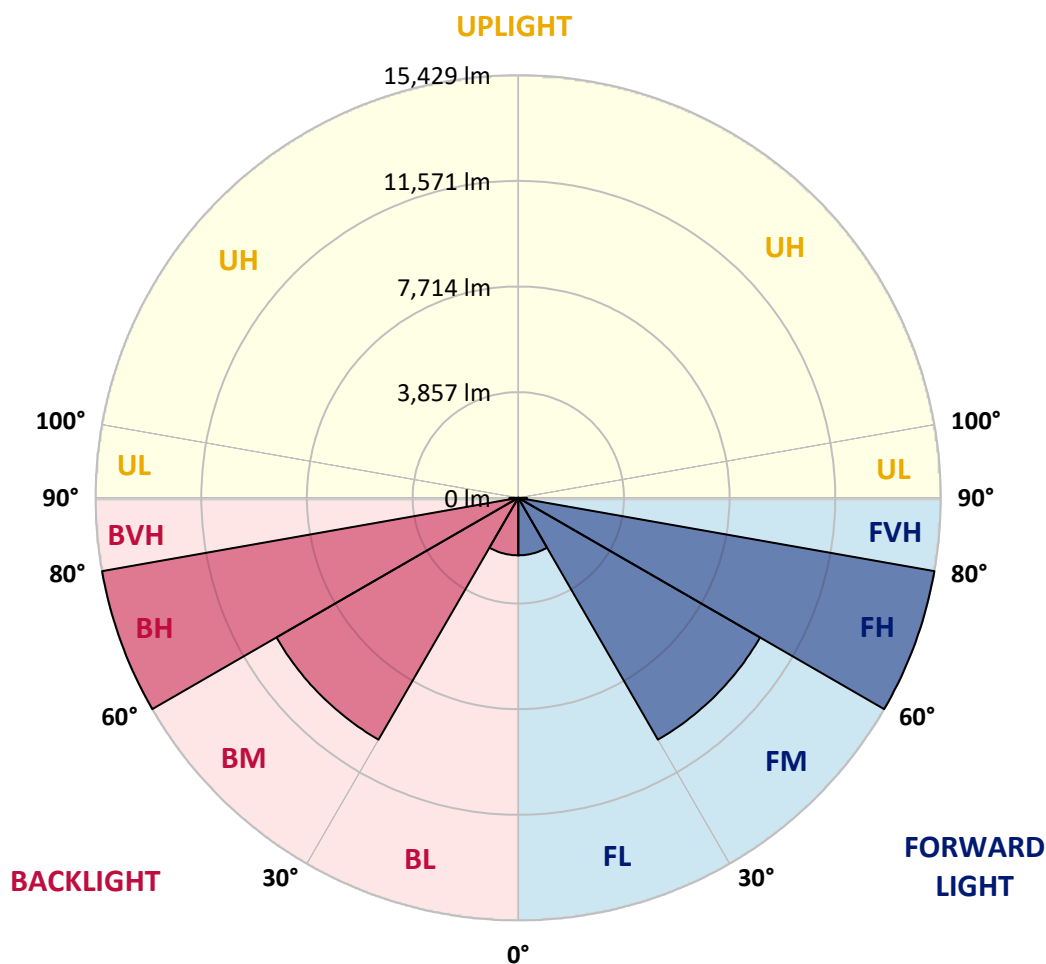
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 2099.4  | 3.7       |                         |      |        |
| FM   | (30°-60°)   | 10194.5 | 18.2      |                         |      |        |
| FH   | (60°-80°)   | 15428.5 | 27.5      |                         |      | G5     |
| FVH  | (80°-90°)   | 320.5   | 0.6       |                         |      | G3/500 |
| BL   | (0°-30°)    | 2099.4  | 3.7       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 10194.5 | 18.2      | B5                      |      |        |
| BH   | (60°-80°)   | 15428.5 | 27.5      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 320.5   | 0.6       |                         |      | G3/500 |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |        |

**BUG Rating: B5-U0-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5116.2  | 5116.2  | 5116.2  | 5116.2  | 5116.2  | 5116.2  | 5116.2  | 5116.2  | 5116.2  | 5116.2  |
| 2.5°  | 5084.1  | 5098.7  | 5092.9  | 5081.2  | 5081.2  | 5072.4  | 5081.2  | 5087.0  | 5095.8  | 5101.6  |
| 5°    | 5017.1  | 5028.7  | 5025.8  | 5017.1  | 5020.0  | 5011.2  | 5017.1  | 5025.8  | 5031.6  | 5034.5  |
| 7.5°  | 4958.8  | 4970.4  | 4964.6  | 4950.0  | 4950.0  | 4941.3  | 4944.2  | 4952.9  | 4961.7  | 4964.6  |
| 10°   | 4944.2  | 4955.8  | 4938.3  | 4915.0  | 4906.3  | 4894.6  | 4897.5  | 4906.3  | 4923.8  | 4932.5  |
| 12.5° | 4950.0  | 4958.8  | 4941.3  | 4906.3  | 4897.5  | 4885.9  | 4885.9  | 4894.6  | 4917.9  | 4929.6  |
| 15°   | 4967.5  | 4976.2  | 4950.0  | 4912.1  | 4903.4  | 4894.6  | 4891.7  | 4903.4  | 4929.6  | 4950.0  |
| 17.5° | 4999.6  | 5008.3  | 4967.5  | 4915.0  | 4903.4  | 4906.3  | 4903.4  | 4912.1  | 4952.9  | 4990.8  |
| 20°   | 5028.7  | 5034.5  | 4979.2  | 4915.0  | 4903.4  | 4906.3  | 4903.4  | 4920.9  | 4973.3  | 5025.8  |
| 22.5° | 5037.5  | 5043.3  | 4990.8  | 4935.4  | 4926.7  | 4929.6  | 4926.7  | 4944.2  | 4993.7  | 5046.2  |
| 25°   | 5040.4  | 5049.1  | 5008.3  | 4964.6  | 4979.2  | 4985.0  | 4979.2  | 4982.1  | 5020.0  | 5066.6  |
| 27.5° | 5084.1  | 5095.8  | 5057.9  | 5020.0  | 5028.7  | 5025.8  | 5034.5  | 5043.3  | 5072.4  | 5119.1  |
| 30°   | 5174.5  | 5183.2  | 5151.2  | 5113.3  | 5107.4  | 5087.0  | 5113.3  | 5142.4  | 5174.5  | 5215.3  |
| 32.5° | 5323.2  | 5340.6  | 5299.8  | 5259.0  | 5232.8  | 5221.1  | 5241.5  | 5291.1  | 5334.8  | 5378.5  |
| 35°   | 5570.9  | 5582.6  | 5544.7  | 5468.9  | 5422.3  | 5422.3  | 5439.8  | 5503.9  | 5573.9  | 5629.2  |
| 37.5° | 5920.8  | 5935.3  | 5868.3  | 5777.9  | 5708.0  | 5708.0  | 5731.3  | 5798.3  | 5903.3  | 5982.0  |
| 40°   | 6346.4  | 6366.8  | 6282.3  | 6189.0  | 6121.9  | 6110.3  | 6139.4  | 6215.2  | 6314.3  | 6413.4  |
| 42.5° | 6859.5  | 6882.8  | 6772.0  | 6690.4  | 6637.9  | 6637.9  | 6652.5  | 6722.4  | 6812.8  | 6935.3  |
| 45°   | 7515.4  | 7556.2  | 7404.6  | 7323.0  | 7273.4  | 7285.1  | 7293.8  | 7355.0  | 7436.7  | 7576.6  |
| 47.5° | 8296.7  | 8337.5  | 8177.1  | 8092.6  | 8083.8  | 8139.2  | 8104.3  | 8148.0  | 8191.7  | 8352.0  |
| 50°   | 9182.9  | 9252.8  | 9142.1  | 9136.2  | 9153.7  | 9255.8  | 9174.1  | 9197.4  | 9147.9  | 9249.9  |
| 52.5° | 10267.3 | 10369.4 | 10349.0 | 10383.9 | 10579.3 | 10789.1 | 10602.6 | 10520.9 | 10334.4 | 10366.4 |
| 55°   | 11582.1 | 11736.6 | 11765.7 | 11975.6 | 12418.7 | 12847.3 | 12450.8 | 12121.4 | 11724.9 | 11652.0 |
| 57.5° | 13077.6 | 13200.0 | 13339.9 | 13768.5 | 14596.4 | 15357.3 | 14596.4 | 13867.6 | 13243.7 | 13095.1 |
| 60°   | 14686.8 | 14838.4 | 14972.5 | 15605.1 | 16835.3 | 17905.1 | 16811.9 | 15654.6 | 14829.6 | 14628.5 |
| 62.5° | 16415.5 | 16610.8 | 16704.1 | 17406.6 | 18840.9 | 20117.8 | 18861.3 | 17459.1 | 16543.7 | 16328.0 |
| 65°   | 18074.2 | 18234.6 | 18339.5 | 19088.7 | 20458.9 | 21738.6 | 20552.1 | 19170.3 | 18228.7 | 17946.0 |
| 67.5° | 18846.8 | 18934.2 | 19190.7 | 20039.1 | 21485.0 | 22945.5 | 21729.9 | 20129.4 | 19077.1 | 18581.5 |
| 70°   | 17715.7 | 17537.8 | 18155.9 | 19514.3 | 21607.4 | 23686.0 | 21887.3 | 19473.5 | 18185.0 | 17380.4 |
| 72.5° | 13689.8 | 13383.7 | 14456.5 | 16779.9 | 20208.2 | 23213.7 | 20348.1 | 16911.1 | 15124.0 | 13491.5 |
| 75°   | 7448.3  | 7101.4  | 8582.3  | 11520.9 | 16115.2 | 20120.7 | 16485.4 | 11850.3 | 9556.0  | 7392.9  |
| 77.5° | 2101.9  | 1970.7  | 3165.9  | 5573.9  | 9693.0  | 14127.0 | 10066.2 | 5696.3  | 3754.8  | 2227.2  |
| 80°   | 644.3   | 623.9   | 845.4   | 1679.2  | 4116.3  | 6766.2  | 3955.9  | 1699.6  | 1075.7  | 679.2   |
| 82.5° | 381.9   | 349.8   | 419.8   | 612.2   | 1049.5  | 2125.2  | 1020.3  | 638.4   | 513.1   | 344.0   |
| 85°   | 218.6   | 204.1   | 247.8   | 297.4   | 352.7   | 451.9   | 294.4   | 303.2   | 274.0   | 183.7   |
| 87.5° | 90.4    | 81.6    | 96.2    | 93.3    | 81.6    | 104.9   | 78.7    | 93.3    | 110.8   | 72.9    |
| 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°     |
|---------|
| 5116.2  |
| 5098.7  |
| 5034.5  |
| 4964.6  |
| 4932.5  |
| 4932.5  |
| 4952.9  |
| 4990.8  |
| 5028.7  |
| 5046.2  |
| 5063.7  |
| 5107.4  |
| 5206.5  |
| 5361.0  |
| 5608.8  |
| 5952.8  |
| 6381.4  |
| 6926.5  |
| 7570.8  |
| 8305.4  |
| 9188.7  |
| 10258.6 |
| 11538.4 |
| 12990.1 |
| 14453.6 |
| 16153.1 |
| 17806.0 |
| 18587.3 |
| 17572.8 |
| 13896.7 |
| 7873.9  |
| 2475.0  |
| 717.1   |
| 373.1   |
| 192.4   |
| 67.0    |
| 0.0     |

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