

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: P943640

Luminaire Tested: **GLAN-SB8B-722-U-5WQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943640  
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-SB8B-722-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 38048 lumens  
Efficiency: N/A  
Efficacy: 129.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 292.8  
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



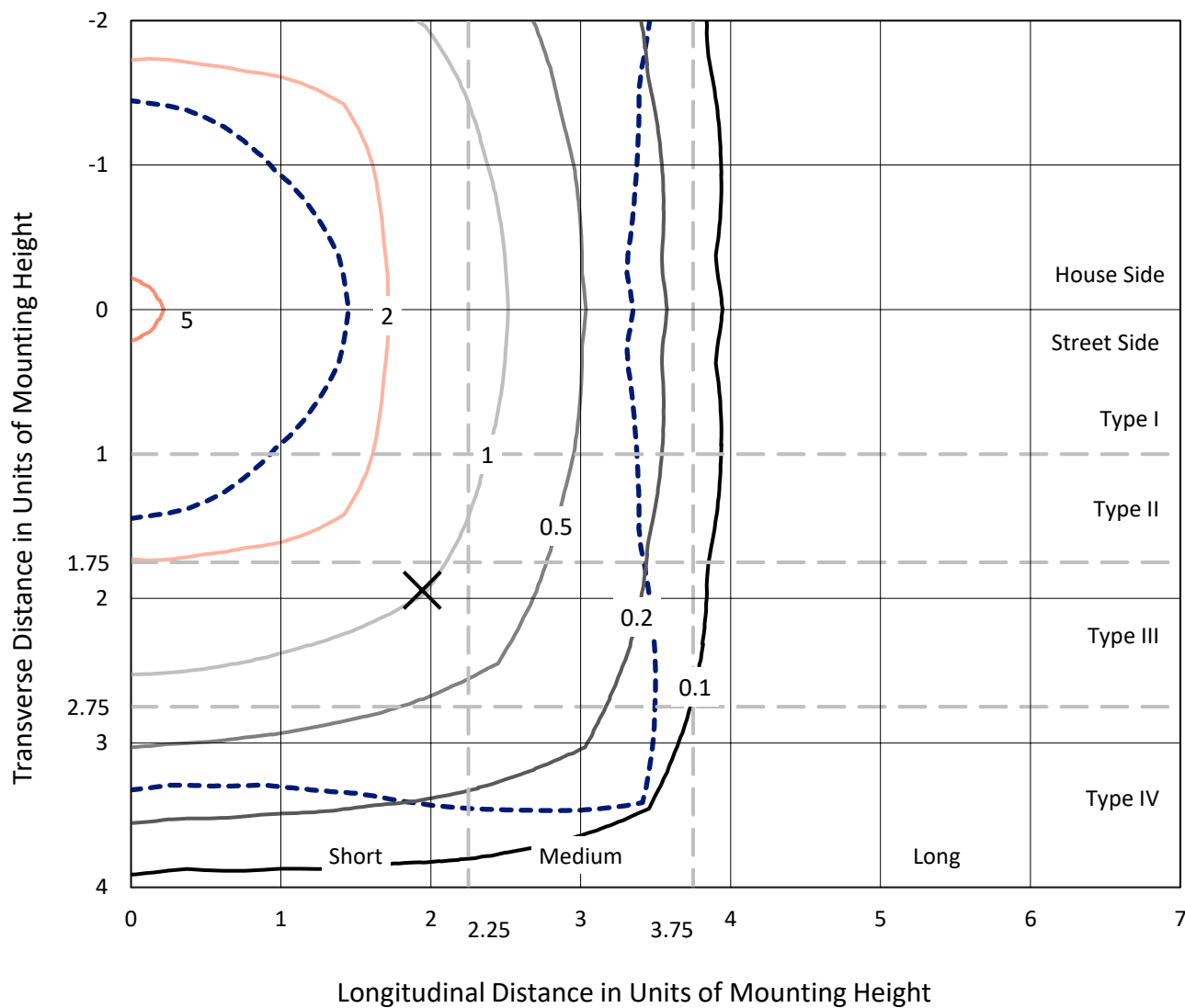
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

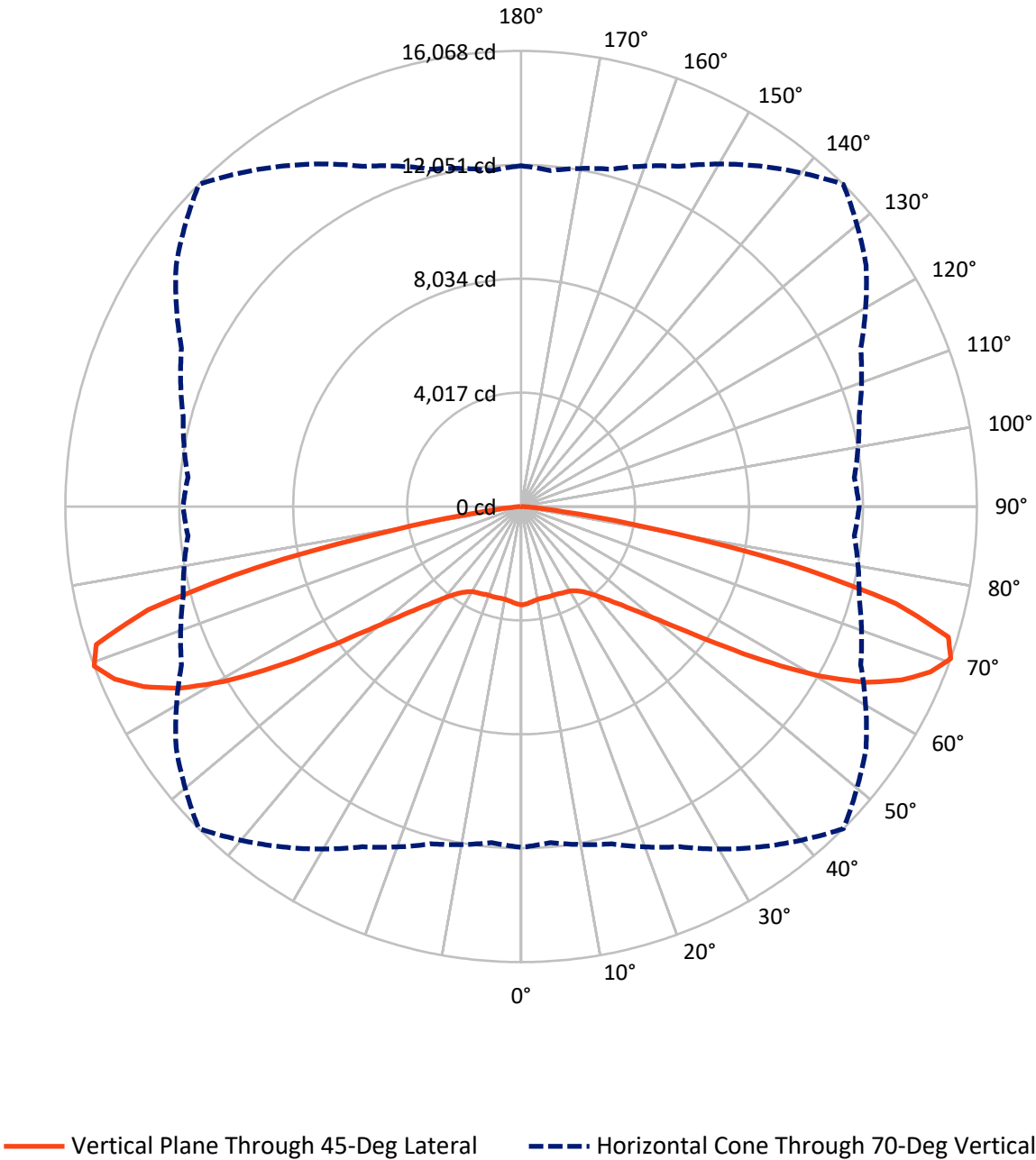
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
Type V - Short - N/A

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Luminous Intensity Polar Plot



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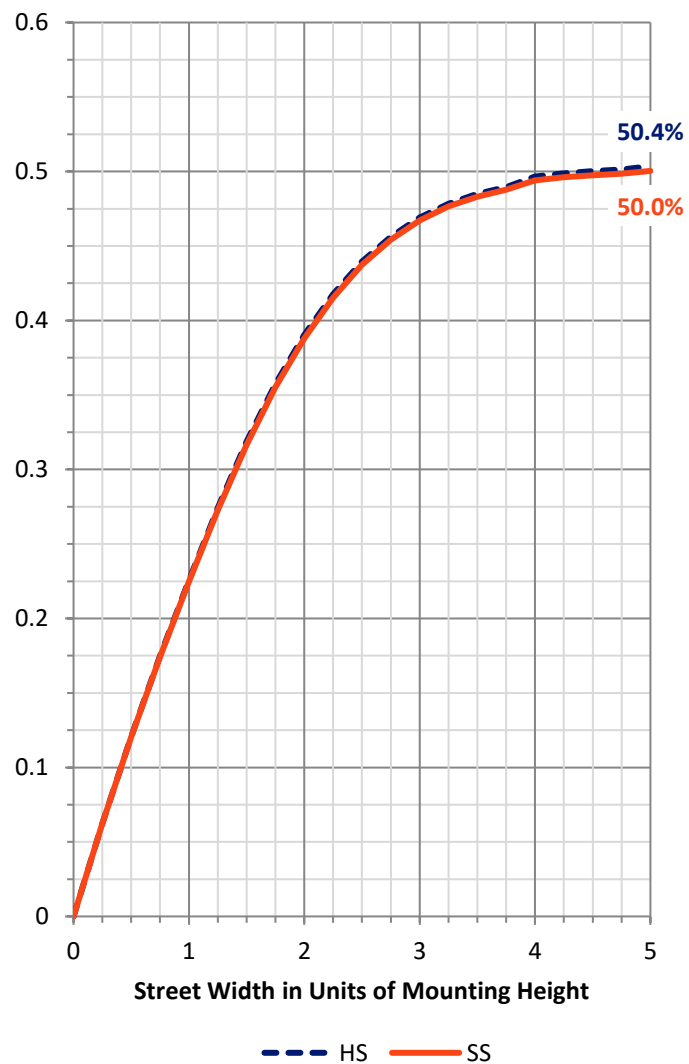
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 19024.0  | 0.0    | 19024.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 19024.0  | 0.0    | 19024.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 38048.0  | 0.0    | 38048.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 322.9   | 0.8       |
| 10°-20°   | 948.0   | 2.5       |
| 20°-30°   | 1577.6  | 4.1       |
| 30°-40°   | 2385.8  | 6.3       |
| 40°-50°   | 3964.7  | 10.4      |
| 50°-60°   | 7481.2  | 19.7      |
| 60°-70°   | 12632.3 | 33.2      |
| 70°-80°   | 8300.7  | 21.8      |
| 80°-90°   | 434.9   | 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°    | 38048.0 | 100.0     |
| 0°-180°   | 38048.0 | 100.0     |

**Coefficient of Utilization**



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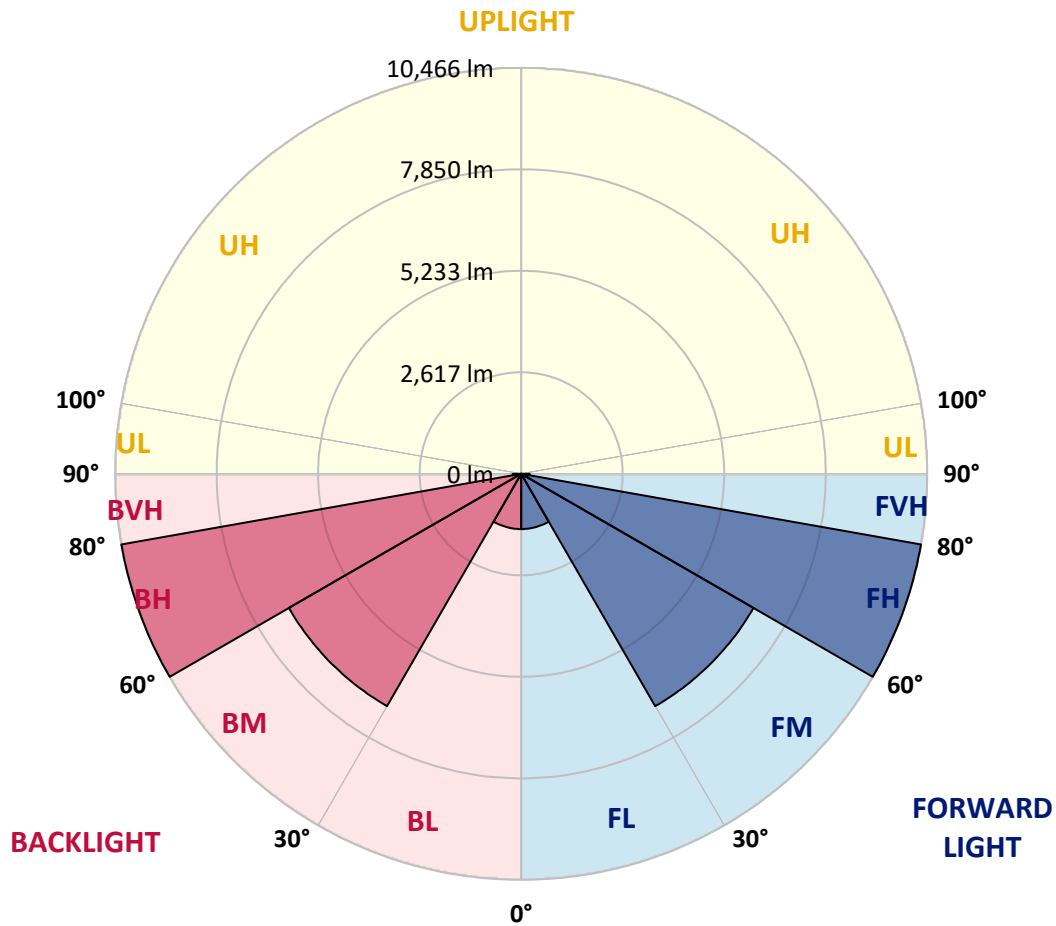
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1424.2  | 3.7       |                         |      |          |
| FM   | (30°-60°)   | 6915.8  | 18.2      |                         |      |          |
| FH   | (60°-80°)   | 10466.5 | 27.5      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 217.4   | 0.6       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1424.2  | 3.7       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 6915.8  | 18.2      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 10466.5 | 27.5      | B5                      |      | G4/12000 |
| BVH  | (80°-90°)   | 217.4   | 0.6       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B5-U0-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3470.7  | 3470.7  | 3470.7  | 3470.7  | 3470.7  | 3470.7  | 3470.7  | 3470.7  | 3470.7  | 3470.7  |
| 2.5°  | 3449.0  | 3458.9  | 3454.9  | 3447.0  | 3447.0  | 3441.1  | 3447.0  | 3451.0  | 3456.9  | 3460.9  |
| 5°    | 3403.5  | 3411.4  | 3409.4  | 3403.5  | 3405.5  | 3399.5  | 3403.5  | 3409.4  | 3413.4  | 3415.4  |
| 7.5°  | 3364.0  | 3371.9  | 3367.9  | 3358.0  | 3358.0  | 3352.1  | 3354.1  | 3360.0  | 3365.9  | 3367.9  |
| 10°   | 3354.1  | 3362.0  | 3350.1  | 3334.3  | 3328.4  | 3320.4  | 3322.4  | 3328.4  | 3340.2  | 3346.2  |
| 12.5° | 3358.0  | 3364.0  | 3352.1  | 3328.4  | 3322.4  | 3314.5  | 3314.5  | 3320.4  | 3336.3  | 3344.2  |
| 15°   | 3369.9  | 3375.8  | 3358.0  | 3332.3  | 3326.4  | 3320.4  | 3318.5  | 3326.4  | 3344.2  | 3358.0  |
| 17.5° | 3391.6  | 3397.6  | 3369.9  | 3334.3  | 3326.4  | 3328.4  | 3326.4  | 3332.3  | 3360.0  | 3385.7  |
| 20°   | 3411.4  | 3415.4  | 3377.8  | 3334.3  | 3326.4  | 3328.4  | 3326.4  | 3338.2  | 3373.8  | 3409.4  |
| 22.5° | 3417.3  | 3421.3  | 3385.7  | 3348.1  | 3342.2  | 3344.2  | 3342.2  | 3354.1  | 3387.7  | 3423.3  |
| 25°   | 3419.3  | 3425.3  | 3397.6  | 3367.9  | 3377.8  | 3381.8  | 3377.8  | 3379.8  | 3405.5  | 3437.1  |
| 27.5° | 3449.0  | 3456.9  | 3431.2  | 3405.5  | 3411.4  | 3409.4  | 3415.4  | 3421.3  | 3441.1  | 3472.7  |
| 30°   | 3510.3  | 3516.2  | 3494.5  | 3468.8  | 3464.8  | 3451.0  | 3468.8  | 3488.5  | 3510.3  | 3538.0  |
| 32.5° | 3611.2  | 3623.0  | 3595.3  | 3567.6  | 3549.8  | 3541.9  | 3555.8  | 3589.4  | 3619.1  | 3648.7  |
| 35°   | 3779.3  | 3787.2  | 3761.5  | 3710.0  | 3678.4  | 3678.4  | 3690.3  | 3733.8  | 3781.2  | 3818.8  |
| 37.5° | 4016.6  | 4026.5  | 3981.0  | 3919.7  | 3872.2  | 3872.2  | 3888.0  | 3933.5  | 4004.7  | 4058.1  |
| 40°   | 4305.3  | 4319.1  | 4261.8  | 4198.5  | 4153.0  | 4145.1  | 4164.9  | 4216.3  | 4283.6  | 4350.8  |
| 42.5° | 4653.4  | 4669.2  | 4594.0  | 4538.7  | 4503.1  | 4503.1  | 4513.0  | 4560.4  | 4621.7  | 4704.8  |
| 45°   | 5098.3  | 5126.0  | 5023.2  | 4967.8  | 4934.2  | 4942.1  | 4948.0  | 4989.6  | 5044.9  | 5139.9  |
| 47.5° | 5628.3  | 5656.0  | 5547.3  | 5489.9  | 5484.0  | 5521.5  | 5497.8  | 5527.5  | 5557.1  | 5665.9  |
| 50°   | 6229.5  | 6277.0  | 6201.9  | 6197.9  | 6209.8  | 6279.0  | 6223.6  | 6239.4  | 6205.8  | 6275.0  |
| 52.5° | 6965.2  | 7034.4  | 7020.6  | 7044.3  | 7176.8  | 7319.2  | 7192.6  | 7137.3  | 7010.7  | 7032.5  |
| 55°   | 7857.1  | 7961.9  | 7981.7  | 8124.1  | 8424.7  | 8715.4  | 8446.5  | 8223.0  | 7954.0  | 7904.6  |
| 57.5° | 8871.7  | 8954.7  | 9049.6  | 9340.4  | 9902.0  | 10418.2 | 9902.0  | 9407.6  | 8984.4  | 8883.5  |
| 60°   | 9963.3  | 10066.1 | 10157.1 | 10586.3 | 11420.8 | 12146.6 | 11405.0 | 10619.9 | 10060.2 | 9923.8  |
| 62.5° | 11136.0 | 11268.5 | 11331.8 | 11808.4 | 12781.4 | 13647.6 | 12795.3 | 11844.0 | 11223.1 | 11076.7 |
| 65°   | 12261.3 | 12370.1 | 12441.3 | 12949.5 | 13879.0 | 14747.2 | 13942.3 | 13004.9 | 12366.1 | 12174.3 |
| 67.5° | 12785.4 | 12844.7 | 13018.7 | 13594.2 | 14575.1 | 15565.9 | 14741.3 | 13655.5 | 12941.6 | 12605.4 |
| 70°   | 12018.1 | 11897.4 | 12316.7 | 13238.3 | 14658.2 | 16068.3 | 14848.1 | 13210.6 | 12336.5 | 11790.6 |
| 72.5° | 9287.0  | 9079.3  | 9807.1  | 11383.2 | 13708.9 | 15747.9 | 13803.9 | 11472.2 | 10260.0 | 9152.5  |
| 75°   | 5052.8  | 4817.5  | 5822.1  | 7815.6  | 10932.3 | 13649.6 | 11183.5 | 8039.1  | 6482.7  | 5015.3  |
| 77.5° | 1425.9  | 1336.9  | 2147.7  | 3781.2  | 6575.6  | 9583.6  | 6828.8  | 3864.3  | 2547.2  | 1510.9  |
| 80°   | 437.1   | 423.2   | 573.5   | 1139.1  | 2792.4  | 4590.1  | 2683.6  | 1153.0  | 729.7   | 460.8   |
| 82.5° | 259.1   | 237.3   | 284.8   | 415.3   | 711.9   | 1441.7  | 692.2   | 433.1   | 348.1   | 233.4   |
| 85°   | 148.3   | 138.4   | 168.1   | 201.7   | 239.3   | 306.5   | 199.7   | 205.7   | 185.9   | 124.6   |
| 87.5° | 61.3    | 55.4    | 65.3    | 63.3    | 55.4    | 71.2    | 53.4    | 63.3    | 75.2    | 49.4    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 3470.7  |
| 3458.9  |
| 3415.4  |
| 3367.9  |
| 3346.2  |
| 3346.2  |
| 3360.0  |
| 3385.7  |
| 3411.4  |
| 3423.3  |
| 3435.1  |
| 3464.8  |
| 3532.1  |
| 3636.9  |
| 3805.0  |
| 4038.3  |
| 4329.0  |
| 4698.9  |
| 5135.9  |
| 5634.3  |
| 6233.5  |
| 6959.3  |
| 7827.5  |
| 8812.3  |
| 9805.1  |
| 10958.1 |
| 12079.4 |
| 12609.4 |
| 11921.2 |
| 9427.4  |
| 5341.6  |
| 1679.0  |
| 486.5   |
| 253.1   |
| 130.5   |
| 45.5    |
| 0.0     |

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