

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: P954196

Luminaire Tested: **GLAN-SB7C-740-U-5MQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P954196  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-740-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 59010 lumens  
Efficiency: N/A  
Efficacy: 168.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - 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



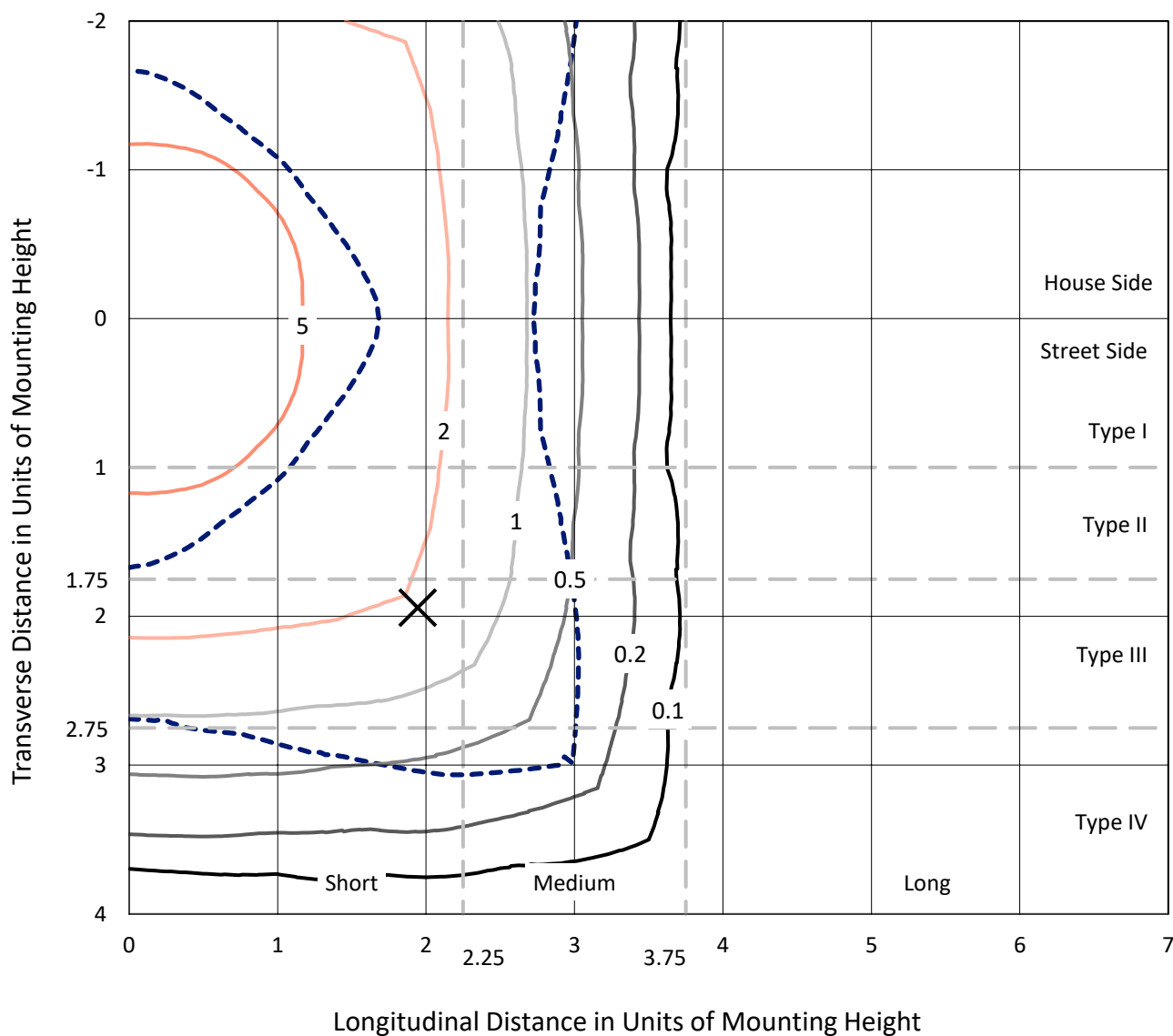
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

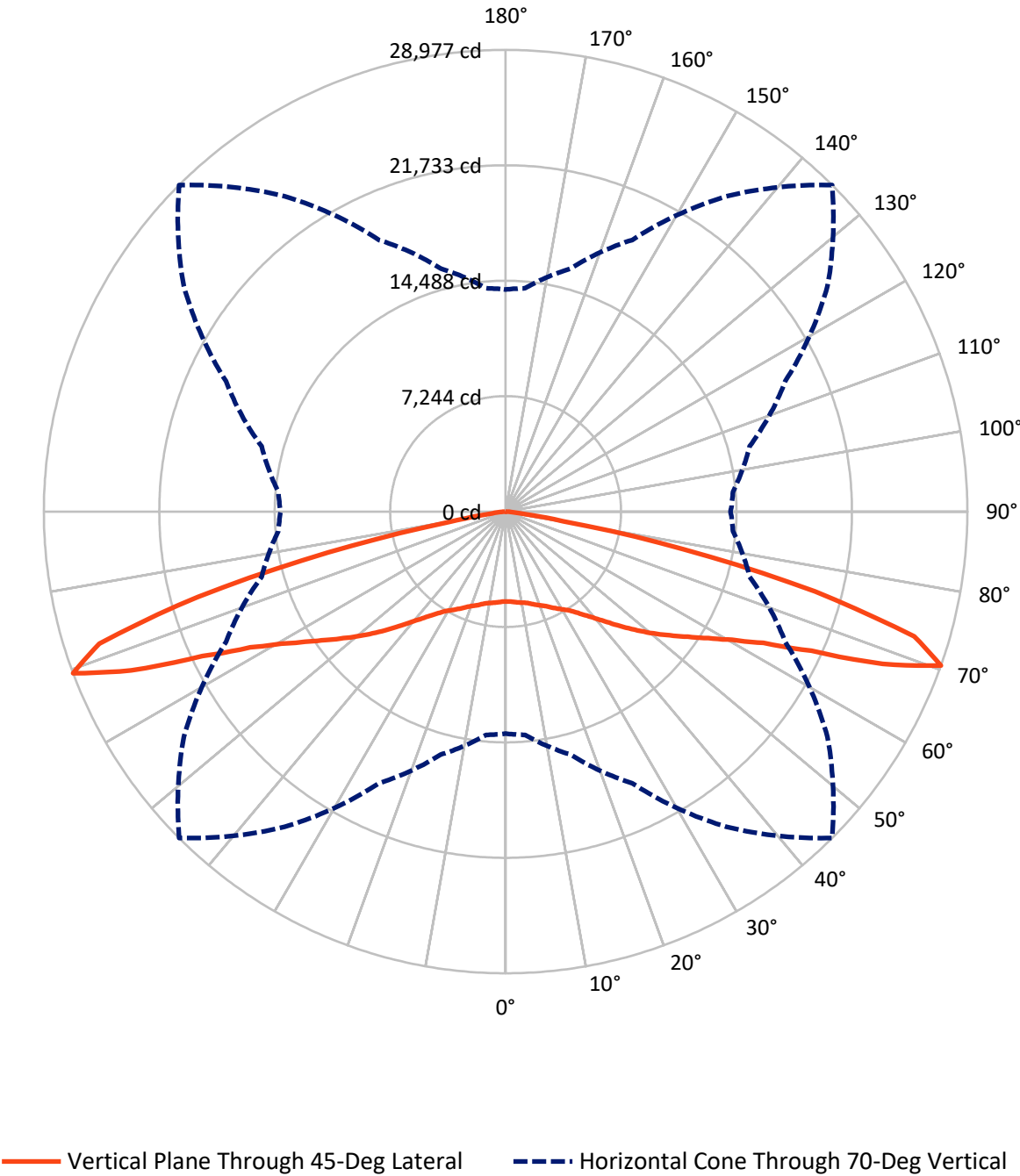


Based on 25 foot mounting height. Maximum calculated value = 9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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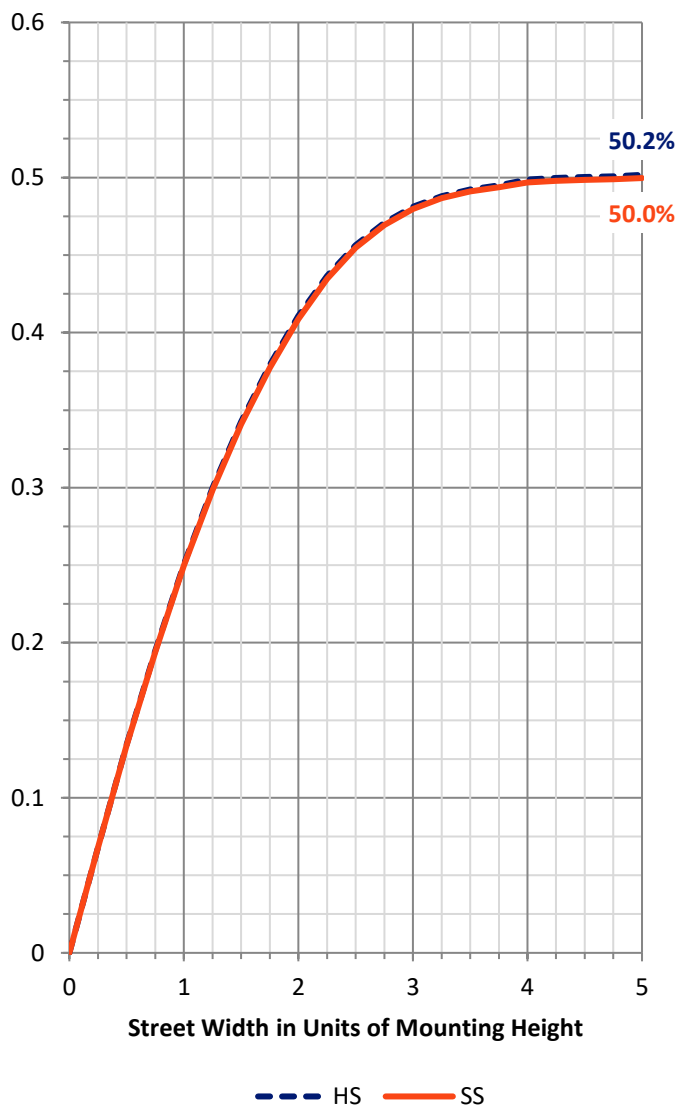
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 29505.0  | 0.0    | 29505.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 29505.0  | 0.0    | 29505.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 59010.0  | 0.0    | 59010.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 549.1   | 0.9       |
| 10°-20°   | 1702.8  | 2.9       |
| 20°-30°   | 3043.2  | 5.2       |
| 30°-40°   | 4932.9  | 8.4       |
| 40°-50°   | 8035.0  | 13.6      |
| 50°-60°   | 12250.6 | 20.8      |
| 60°-70°   | 18225.0 | 30.9      |
| 70°-80°   | 9933.2  | 16.8      |
| 80°-90°   | 338.3   | 0.6       |
| 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°    | 59010.0 | 100.0     |
| 0°-180°   | 59010.0 | 100.0     |

**Coefficient of Utilization**



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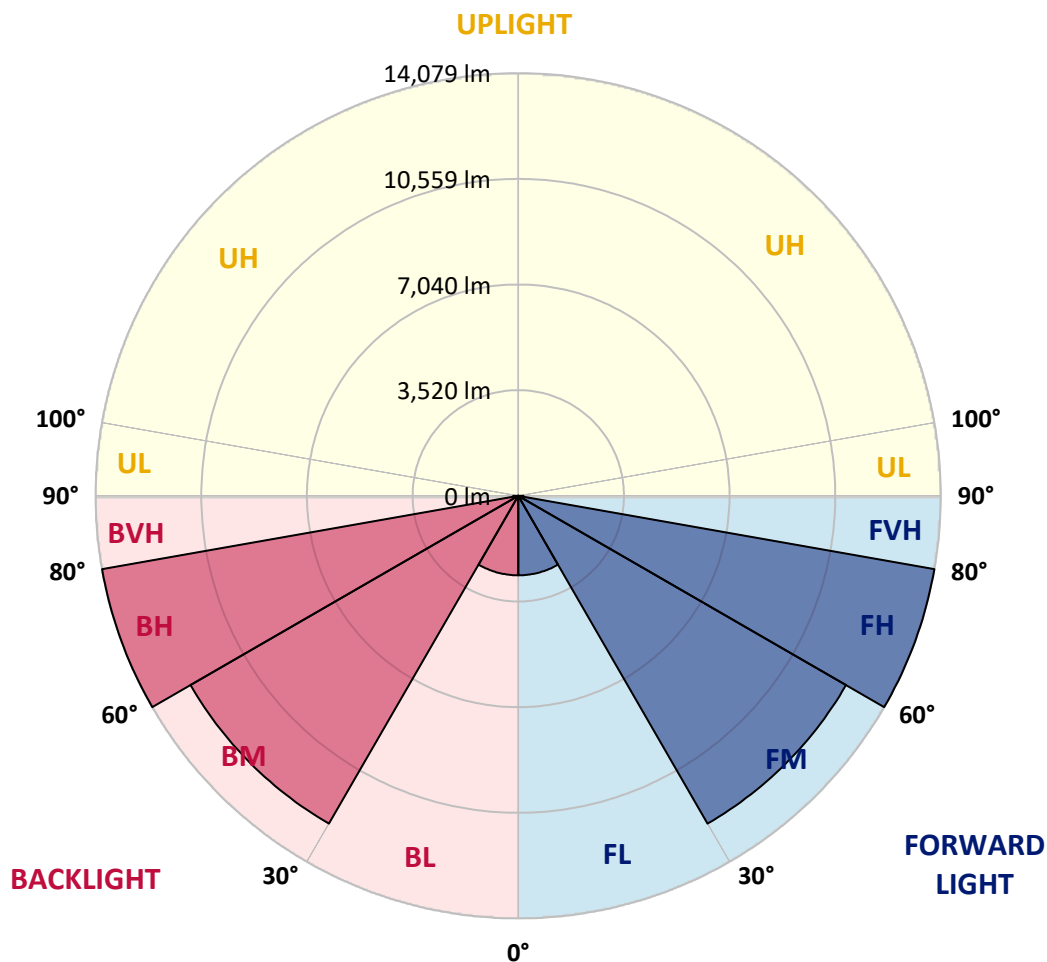
CATALOG NUMBER: GLAN-SB7C-740-U-5MQ

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 2647.6  | 4.5       |                         |      |        |
| FM   | (30°-60°)   | 12609.2 | 21.4      |                         |      |        |
| FH   | (60°-80°)   | 14079.1 | 23.9      |                         |      | G5     |
| FVH  | (80°-90°)   | 169.1   | 0.3       |                         |      | G2/225 |
| BL   | (0°-30°)    | 2647.6  | 4.5       | B4/5000                 |      |        |
| BM   | (30°-60°)   | 12609.2 | 21.4      | B5                      |      |        |
| BH   | (60°-80°)   | 14079.1 | 23.9      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 169.1   | 0.3       |                         |      | G2/225 |
| 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°    | 5652.5  | 5652.5  | 5652.5  | 5652.5  | 5652.5  | 5652.5  | 5652.5  | 5652.5  | 5652.5  | 5652.5  |
| 2.5°  | 5679.2  | 5685.1  | 5673.3  | 5667.4  | 5661.4  | 5652.5  | 5655.5  | 5670.3  | 5682.2  | 5679.2  |
| 5°    | 5726.6  | 5732.5  | 5723.6  | 5720.7  | 5708.8  | 5705.9  | 5705.9  | 5720.7  | 5729.6  | 5723.6  |
| 7.5°  | 5779.9  | 5788.8  | 5774.0  | 5771.0  | 5765.1  | 5759.2  | 5756.2  | 5771.0  | 5779.9  | 5779.9  |
| 10°   | 5830.3  | 5839.2  | 5827.3  | 5818.5  | 5812.5  | 5812.5  | 5806.6  | 5818.5  | 5833.3  | 5830.3  |
| 12.5° | 5883.6  | 5889.6  | 5877.7  | 5871.8  | 5871.8  | 5880.7  | 5871.8  | 5877.7  | 5889.6  | 5883.6  |
| 15°   | 5948.8  | 5951.8  | 5948.8  | 5957.7  | 5972.5  | 6002.1  | 5975.5  | 5969.5  | 5975.5  | 5960.7  |
| 17.5° | 6037.7  | 6043.6  | 6055.5  | 6076.2  | 6096.9  | 6150.3  | 6102.9  | 6088.0  | 6088.0  | 6058.4  |
| 20°   | 6147.3  | 6156.2  | 6174.0  | 6209.5  | 6236.2  | 6286.5  | 6239.1  | 6218.4  | 6209.5  | 6171.0  |
| 22.5° | 6262.8  | 6277.6  | 6304.3  | 6351.7  | 6399.1  | 6446.5  | 6399.1  | 6363.6  | 6336.9  | 6286.5  |
| 25°   | 6396.1  | 6413.9  | 6455.4  | 6532.4  | 6597.6  | 6665.7  | 6609.5  | 6538.3  | 6485.0  | 6413.9  |
| 27.5° | 6585.8  | 6606.5  | 6656.9  | 6751.7  | 6834.6  | 6893.9  | 6840.5  | 6748.7  | 6674.6  | 6588.7  |
| 30°   | 6852.4  | 6873.1  | 6932.4  | 7033.1  | 7089.4  | 7127.9  | 7092.3  | 7021.2  | 6932.4  | 6834.6  |
| 32.5° | 7196.0  | 7222.7  | 7287.9  | 7382.7  | 7394.5  | 7400.5  | 7388.6  | 7353.1  | 7287.9  | 7169.4  |
| 35°   | 7631.5  | 7661.2  | 7735.2  | 7812.2  | 7800.4  | 7812.2  | 7794.5  | 7782.6  | 7735.2  | 7598.9  |
| 37.5° | 8164.8  | 8200.3  | 8277.4  | 8336.6  | 8307.0  | 8292.2  | 8295.1  | 8298.1  | 8271.4  | 8120.4  |
| 40°   | 8784.0  | 8831.4  | 8887.7  | 8949.9  | 8899.5  | 8855.1  | 8884.7  | 8908.4  | 8884.7  | 8730.6  |
| 42.5° | 9420.9  | 9489.1  | 9548.3  | 9637.2  | 9595.7  | 9539.4  | 9580.9  | 9607.6  | 9557.2  | 9391.3  |
| 45°   | 10129.0 | 10194.1 | 10271.2 | 10404.5 | 10374.9 | 10315.6 | 10374.9 | 10380.8 | 10294.9 | 10099.3 |
| 47.5° | 10860.7 | 10928.9 | 11044.4 | 11222.1 | 11210.3 | 11145.1 | 11222.1 | 11180.7 | 11071.1 | 10837.0 |
| 50°   | 11553.9 | 11648.8 | 11826.5 | 12075.4 | 12099.1 | 12019.1 | 12122.8 | 12042.8 | 11859.1 | 11565.8 |
| 52.5° | 12205.7 | 12306.4 | 12587.9 | 12925.6 | 13011.5 | 12907.8 | 13047.1 | 12907.8 | 12632.3 | 12256.1 |
| 55°   | 12890.1 | 13002.6 | 13337.4 | 13778.8 | 13950.7 | 13873.6 | 14004.0 | 13793.6 | 13402.6 | 12946.3 |
| 57.5° | 13695.9 | 13764.0 | 14164.0 | 14688.3 | 14978.7 | 14996.4 | 15055.7 | 14700.2 | 14226.2 | 13707.7 |
| 60°   | 14569.8 | 14664.6 | 15100.1 | 15728.2 | 16187.4 | 16335.5 | 16273.3 | 15746.0 | 15194.9 | 14599.5 |
| 62.5° | 15689.7 | 15793.4 | 16314.8 | 17067.3 | 17793.1 | 18160.4 | 17917.5 | 17153.2 | 16471.8 | 15757.8 |
| 65°   | 16616.9 | 16732.5 | 17674.6 | 19016.6 | 20337.9 | 21075.6 | 20465.3 | 19058.1 | 17831.6 | 16824.3 |
| 67.5° | 15944.4 | 16086.7 | 17565.0 | 20029.8 | 23315.3 | 25516.5 | 23427.9 | 20332.0 | 17929.4 | 16563.6 |
| 70°   | 13935.8 | 14069.2 | 15793.4 | 18806.3 | 24153.7 | 28976.7 | 24657.3 | 19360.3 | 15849.6 | 14321.0 |
| 72.5° | 9252.0  | 9681.6  | 11426.6 | 15040.9 | 21567.4 | 26814.0 | 21780.7 | 14735.7 | 10600.0 | 9231.3  |
| 75°   | 3069.2  | 3412.9  | 4603.8  | 7797.4  | 14445.4 | 20053.5 | 13752.2 | 6899.8  | 3646.9  | 2624.8  |
| 77.5° | 773.2   | 891.7   | 1229.5  | 2230.8  | 5762.2  | 11417.7 | 5187.4  | 1822.0  | 992.5   | 693.2   |
| 80°   | 376.2   | 414.8   | 592.5   | 743.6   | 1442.8  | 3629.1  | 1353.9  | 699.2   | 468.1   | 361.4   |
| 82.5° | 207.4   | 210.3   | 334.8   | 420.7   | 536.2   | 939.1   | 557.0   | 408.8   | 269.6   | 219.2   |
| 85°   | 127.4   | 124.4   | 177.8   | 225.2   | 225.2   | 334.8   | 266.6   | 225.2   | 154.1   | 136.3   |
| 87.5° | 50.4    | 50.4    | 65.2    | 71.1    | 62.2    | 85.9    | 68.1    | 74.1    | 59.3    | 56.3    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 5652.5  |
| 5682.2  |
| 5726.6  |
| 5779.9  |
| 5830.3  |
| 5880.7  |
| 5960.7  |
| 6058.4  |
| 6171.0  |
| 6283.6  |
| 6411.0  |
| 6585.8  |
| 6834.6  |
| 7172.3  |
| 7598.9  |
| 8120.4  |
| 8730.6  |
| 9403.1  |
| 10120.1 |
| 10822.2 |
| 11559.9 |
| 12220.5 |
| 12884.1 |
| 13636.6 |
| 14504.6 |
| 15633.4 |
| 16658.4 |
| 16359.2 |
| 14116.6 |
| 8932.1  |
| 2482.6  |
| 619.2   |
| 331.8   |
| 219.2   |
| 142.2   |
| 59.3    |
| 0.0     |

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