

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: P956024

Luminaire Tested: **GLAN-SB8D-760-U-5NQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956024  
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-SB8D-760-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 91224 lumens  
Efficiency: N/A  
Efficacy: 156.0 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): 584.9  
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

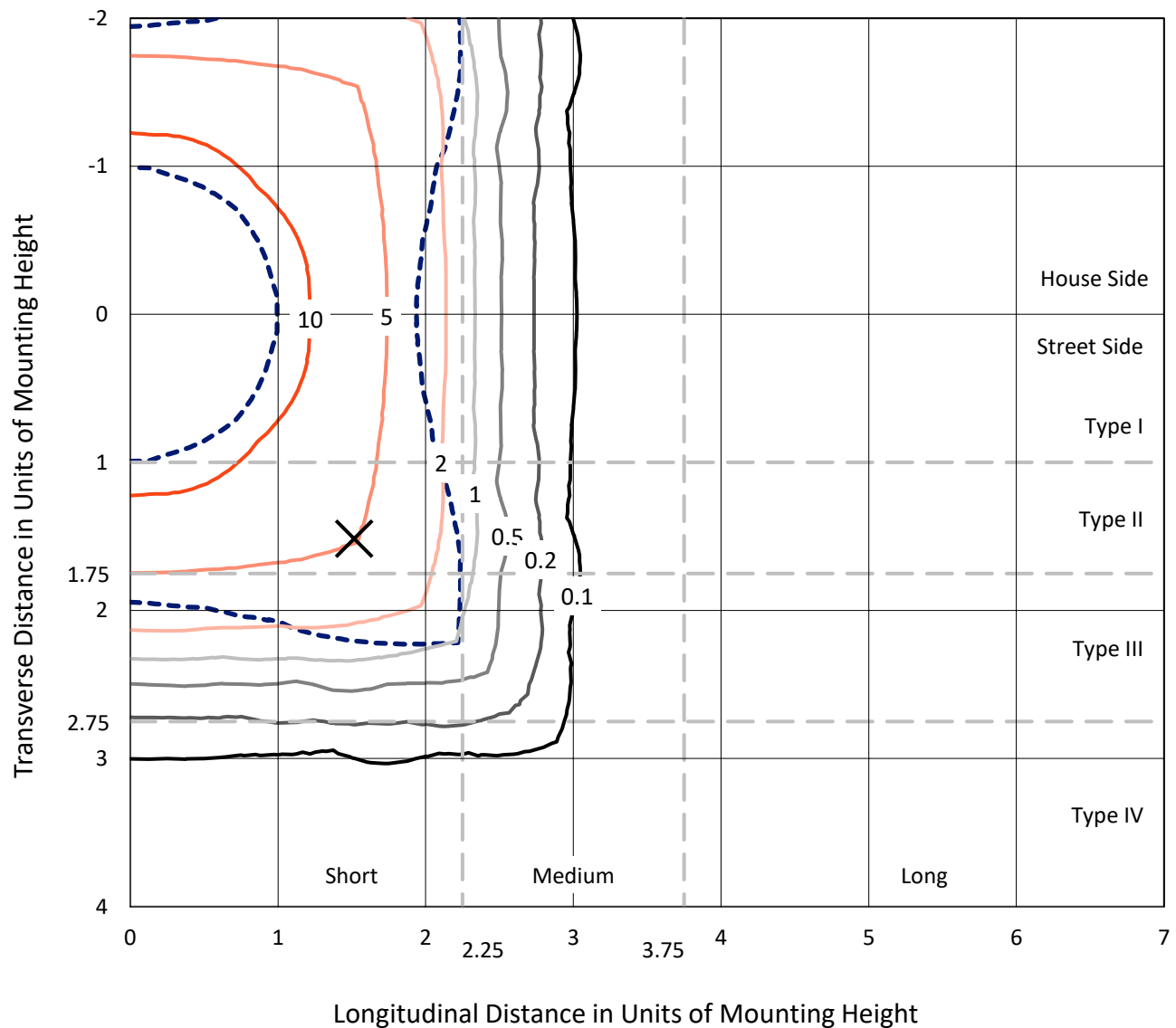


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## Iso-Footcandle Lines of Horizontal Illumination

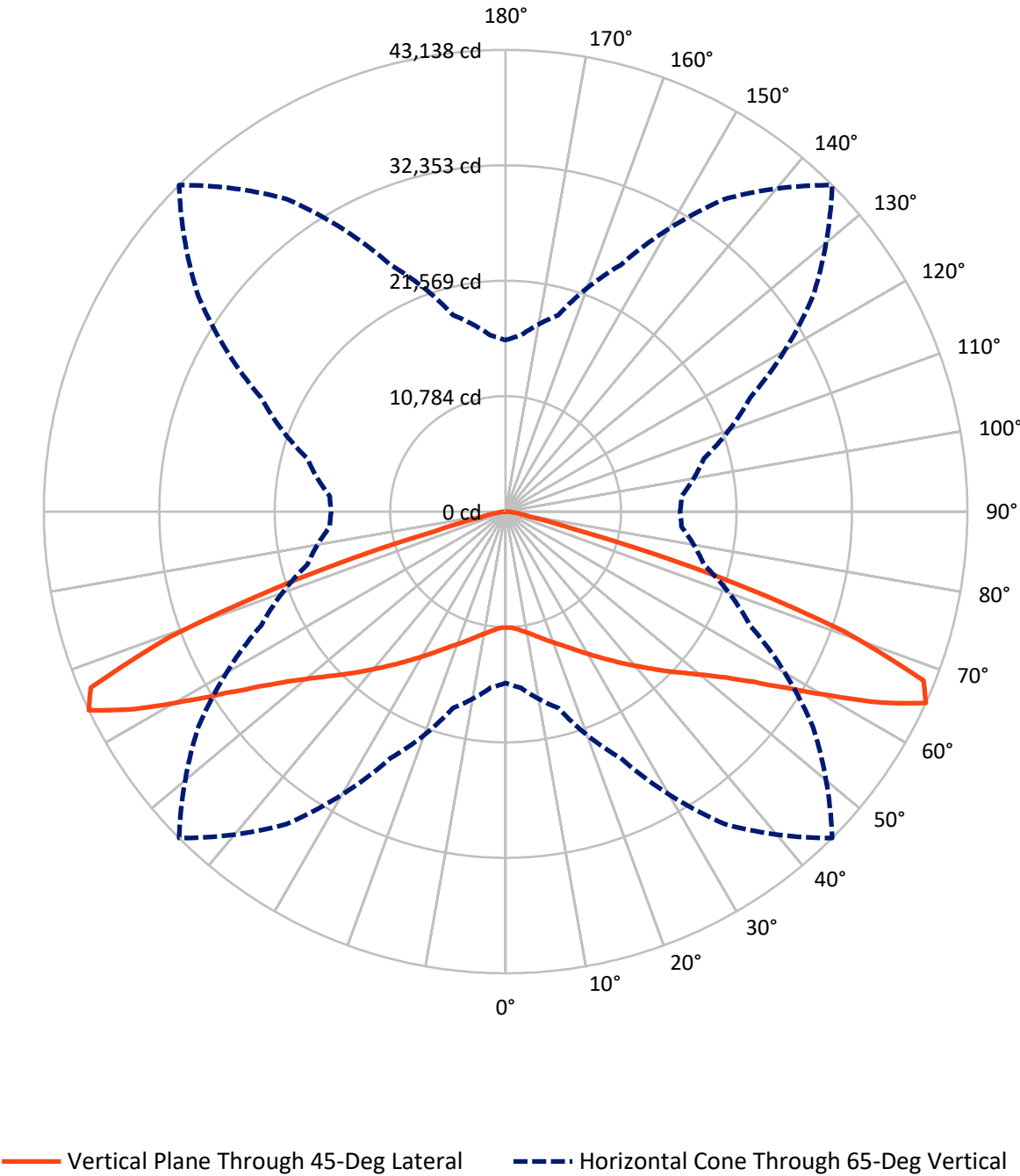
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.7 fc  
Type V - Short - N/A

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Luminous Intensity Polar Plot



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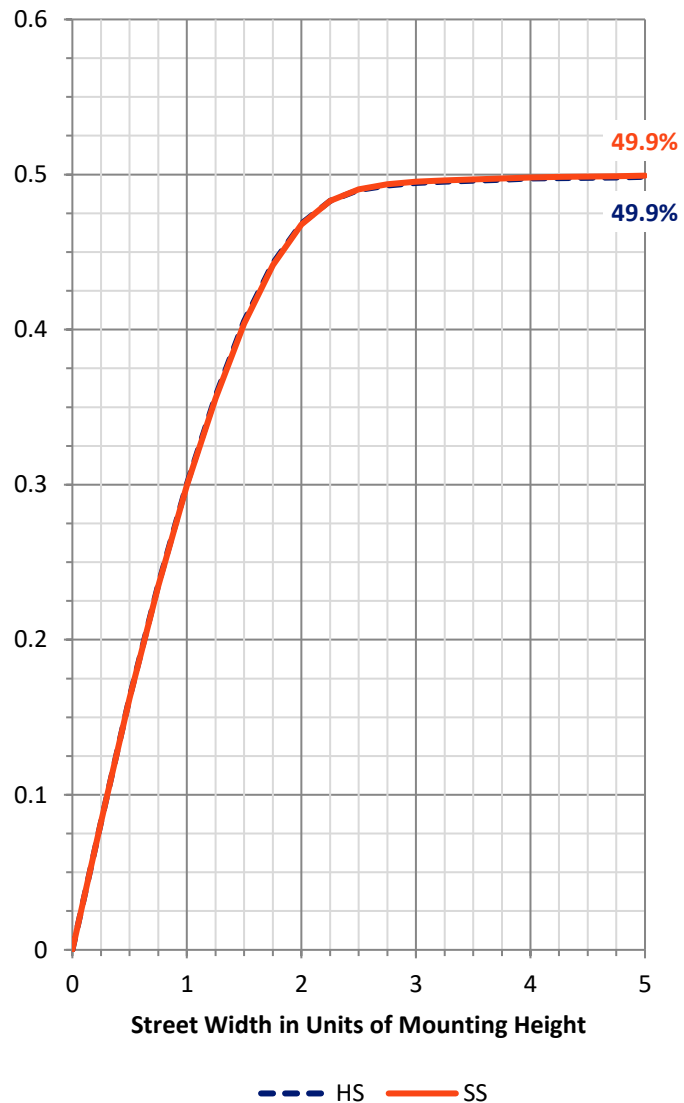
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 45612.0  | 0.0    | 45612.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 45612.0  | 0.0    | 45612.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 91224.0  | 0.0    | 91224.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1071.4  | 1.2       |
| 10°-20°   | 3496.2  | 3.8       |
| 20°-30°   | 6601.2  | 7.2       |
| 30°-40°   | 10809.2 | 11.8      |
| 40°-50°   | 16759.8 | 18.4      |
| 50°-60°   | 24757.7 | 27.1      |
| 60°-70°   | 23567.1 | 25.8      |
| 70°-80°   | 3802.9  | 4.2       |
| 80°-90°   | 358.5   | 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°    | 91224.0 | 100.0     |
| 0°-180°   | 91224.0 | 100.0     |

**Coefficient of Utilization**



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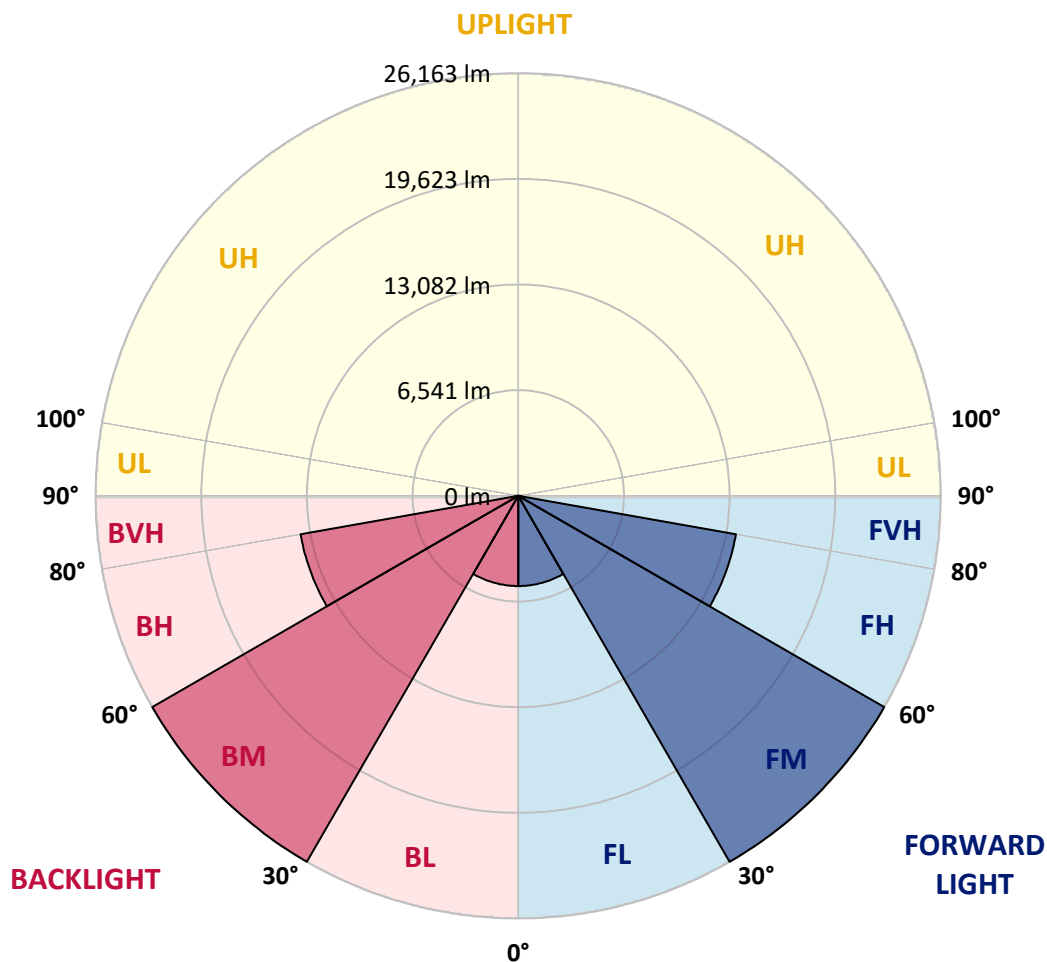
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 5584.4  | 6.1       |                         |      |        |
| FM   | (30°-60°)   | 26163.4 | 28.7      |                         |      |        |
| FH   | (60°-80°)   | 13685.0 | 15.0      |                         |      | G5     |
| FVH  | (80°-90°)   | 179.2   | 0.2       |                         |      | G2/225 |
| BL   | (0°-30°)    | 5584.4  | 6.1       | B5                      |      |        |
| BM   | (30°-60°)   | 26163.4 | 28.7      | B5                      |      |        |
| BH   | (60°-80°)   | 13685.0 | 15.0      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 179.2   | 0.2       |                         |      | 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°    | 10856.6 | 10856.6 | 10856.6 | 10856.6 | 10856.6 | 10856.6 | 10856.6 | 10856.6 | 10856.6 | 10856.6 |
| 2.5°  | 10929.8 | 10893.2 | 10920.6 | 10897.8 | 10879.5 | 10861.1 | 10870.3 | 10902.3 | 10916.1 | 10920.6 |
| 5°    | 11076.3 | 11044.2 | 11058.0 | 11058.0 | 11025.9 | 11016.8 | 11021.3 | 11044.2 | 11071.7 | 11071.7 |
| 7.5°  | 11314.3 | 11282.2 | 11314.3 | 11296.0 | 11268.5 | 11259.3 | 11254.8 | 11273.1 | 11314.3 | 11314.3 |
| 10°   | 11602.6 | 11566.0 | 11584.3 | 11575.2 | 11543.1 | 11529.4 | 11524.8 | 11552.3 | 11588.9 | 11584.3 |
| 12.5° | 11918.4 | 11877.2 | 11900.1 | 11872.7 | 11863.5 | 11849.8 | 11849.8 | 11845.2 | 11868.1 | 11849.8 |
| 15°   | 12270.9 | 12243.4 | 12252.5 | 12234.2 | 12248.0 | 12238.8 | 12202.2 | 12183.9 | 12193.0 | 12165.6 |
| 17.5° | 12687.4 | 12623.3 | 12655.3 | 12646.2 | 12646.2 | 12664.5 | 12605.0 | 12582.1 | 12600.4 | 12572.9 |
| 20°   | 13167.9 | 13103.9 | 13117.6 | 13099.3 | 13076.4 | 13094.7 | 13021.5 | 13039.8 | 13053.5 | 13035.2 |
| 22.5° | 13694.3 | 13611.9 | 13607.3 | 13616.5 | 13566.1 | 13570.7 | 13520.4 | 13566.1 | 13593.6 | 13543.2 |
| 25°   | 14234.4 | 14147.4 | 14206.9 | 14184.0 | 14119.9 | 14133.7 | 14097.1 | 14142.8 | 14165.7 | 14101.6 |
| 27.5° | 14806.5 | 14747.0 | 14801.9 | 14815.6 | 14737.8 | 14792.8 | 14737.8 | 14779.0 | 14801.9 | 14705.8 |
| 30°   | 15474.7 | 15415.2 | 15465.6 | 15502.2 | 15410.7 | 15497.6 | 15451.8 | 15479.3 | 15483.9 | 15369.5 |
| 32.5° | 16202.5 | 16110.9 | 16239.1 | 16257.4 | 16156.7 | 16262.0 | 16202.5 | 16239.1 | 16262.0 | 16106.4 |
| 35°   | 17090.4 | 16976.0 | 17122.4 | 17099.6 | 17012.6 | 17099.6 | 17044.6 | 17099.6 | 17154.5 | 16966.8 |
| 37.5° | 18047.0 | 17928.0 | 18083.6 | 18042.4 | 17960.0 | 18019.5 | 17987.5 | 18024.1 | 18111.1 | 17909.7 |
| 40°   | 19099.7 | 18953.2 | 19163.8 | 19090.5 | 19012.7 | 19003.6 | 19021.9 | 19044.8 | 19159.2 | 18934.9 |
| 42.5° | 20225.6 | 20070.0 | 20385.8 | 20271.4 | 20161.5 | 20088.3 | 20147.8 | 20193.6 | 20303.4 | 20051.7 |
| 45°   | 21511.8 | 21333.2 | 21745.2 | 21607.9 | 21433.9 | 21282.9 | 21379.0 | 21447.7 | 21607.9 | 21305.8 |
| 47.5° | 22930.6 | 22729.2 | 23168.6 | 23127.4 | 22843.6 | 22514.1 | 22733.8 | 22930.6 | 23049.6 | 22683.5 |
| 50°   | 24317.4 | 24161.8 | 24738.5 | 24788.9 | 24441.0 | 23978.7 | 24285.4 | 24582.9 | 24614.9 | 24134.4 |
| 52.5° | 25617.3 | 25461.7 | 26299.3 | 26615.1 | 26303.8 | 25754.6 | 26079.6 | 26381.6 | 26139.1 | 25516.6 |
| 55°   | 26656.3 | 26528.1 | 27594.5 | 28409.2 | 28514.5 | 28061.4 | 28253.6 | 28244.5 | 27448.1 | 26491.5 |
| 57.5° | 26908.0 | 26889.7 | 28235.3 | 29960.8 | 31059.3 | 31114.2 | 30734.3 | 29764.0 | 28047.7 | 26761.5 |
| 60°   | 25763.8 | 25878.2 | 27727.3 | 30771.0 | 33700.2 | 34917.7 | 33274.6 | 30505.5 | 27365.7 | 25580.7 |
| 62.5° | 22340.2 | 22642.3 | 24871.2 | 29782.3 | 35833.1 | 39293.3 | 35311.3 | 29379.6 | 24564.6 | 22234.9 |
| 65°   | 16010.2 | 16536.6 | 18999.0 | 25415.9 | 35640.9 | 43137.9 | 35018.4 | 25209.9 | 19182.1 | 16495.4 |
| 67.5° | 7263.6  | 7799.2  | 9890.8  | 17401.6 | 30981.5 | 42094.4 | 30908.3 | 17584.7 | 10385.1 | 7826.6  |
| 70°   | 2631.8  | 2723.3  | 3396.1  | 6966.1  | 19800.0 | 33540.0 | 20646.7 | 7016.5  | 3611.2  | 2901.8  |
| 72.5° | 1592.8  | 1606.5  | 1748.4  | 2494.4  | 6879.2  | 20362.9 | 7172.1  | 2576.8  | 1785.0  | 1583.6  |
| 75°   | 1011.5  | 1002.4  | 1244.9  | 1524.1  | 2439.5  | 6870.0  | 2558.5  | 1524.1  | 1240.4  | 1130.5  |
| 77.5° | 727.7   | 750.6   | 892.5   | 1139.7  | 1537.9  | 2329.7  | 1510.4  | 1089.3  | 892.5   | 732.3   |
| 80°   | 544.7   | 558.4   | 649.9   | 887.9   | 1080.2  | 1450.9  | 961.2   | 805.5   | 672.8   | 457.7   |
| 82.5° | 393.6   | 393.6   | 425.7   | 645.4   | 659.1   | 782.7   | 521.8   | 567.5   | 444.0   | 325.0   |
| 85°   | 233.4   | 228.8   | 265.5   | 384.5   | 343.3   | 288.3   | 238.0   | 347.8   | 279.2   | 201.4   |
| 87.5° | 82.4    | 87.0    | 82.4    | 109.8   | 91.5    | 77.8    | 73.2    | 96.1    | 77.8    | 68.7    |
| 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°     |
|---------|
| 10856.6 |
| 10920.6 |
| 11071.7 |
| 11300.5 |
| 11575.2 |
| 11858.9 |
| 12170.2 |
| 12595.8 |
| 13076.4 |
| 13593.6 |
| 14174.9 |
| 14779.0 |
| 15438.1 |
| 16211.6 |
| 17081.2 |
| 18033.3 |
| 19008.1 |
| 20184.4 |
| 21461.4 |
| 22807.0 |
| 24193.9 |
| 25534.9 |
| 26523.5 |
| 26679.1 |
| 25370.1 |
| 22097.6 |
| 16298.6 |
| 7712.2  |
| 2865.2  |
| 1611.1  |
| 1139.7  |
| 746.0   |
| 471.4   |
| 325.0   |
| 196.8   |
| 64.1    |
| 0.0     |

OF REPORT)