

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: P941383

Luminaire Tested: **GLAN-SB4D-927-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941383  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4D-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 24558 lumens  
Efficiency: N/A  
Efficacy: 83.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

Input Watts (W): 293.6  
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



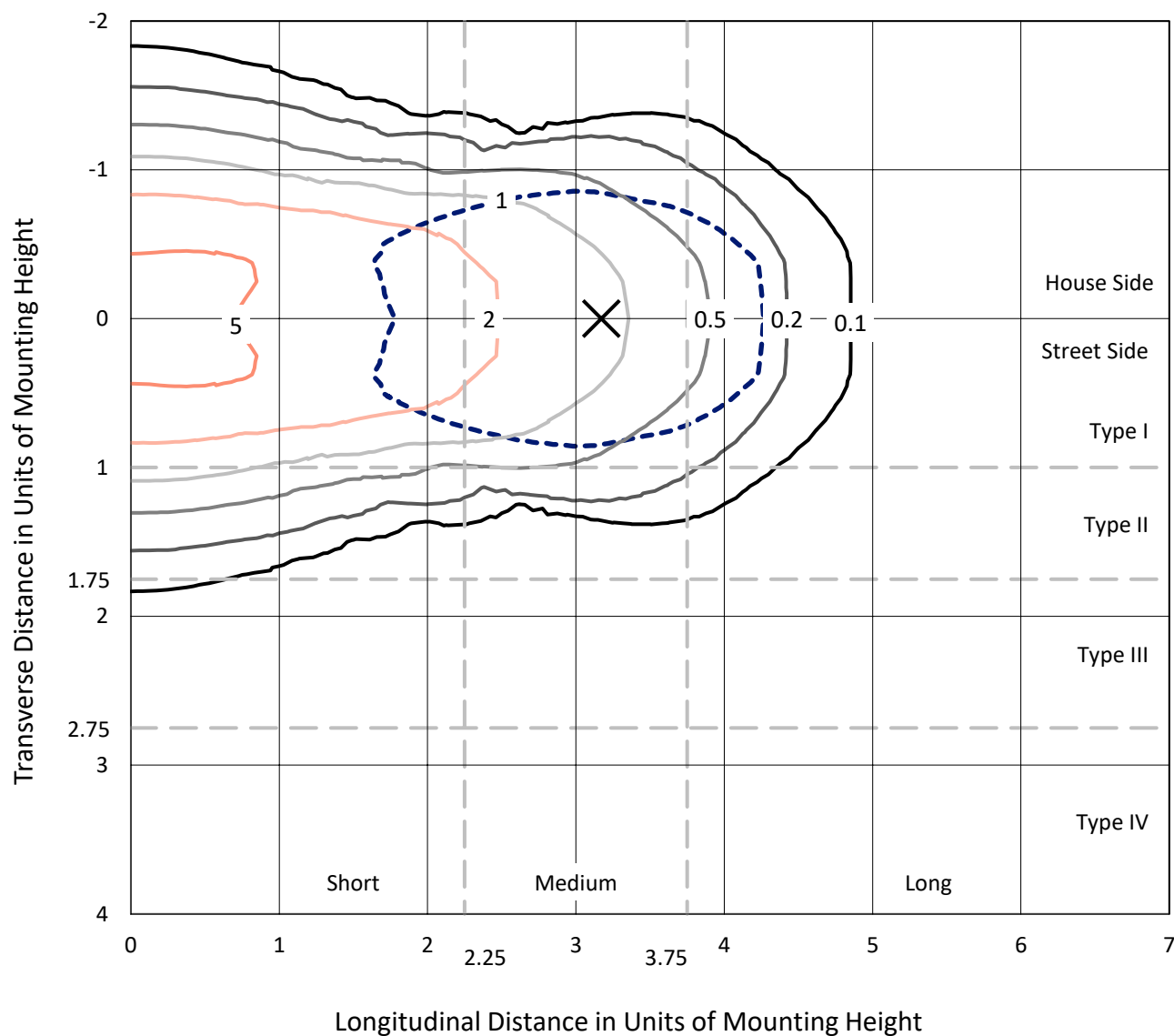
REPORT NUMBER: P941383

CATALOG NUMBER: GLAN-SB4D-927-U-T1

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

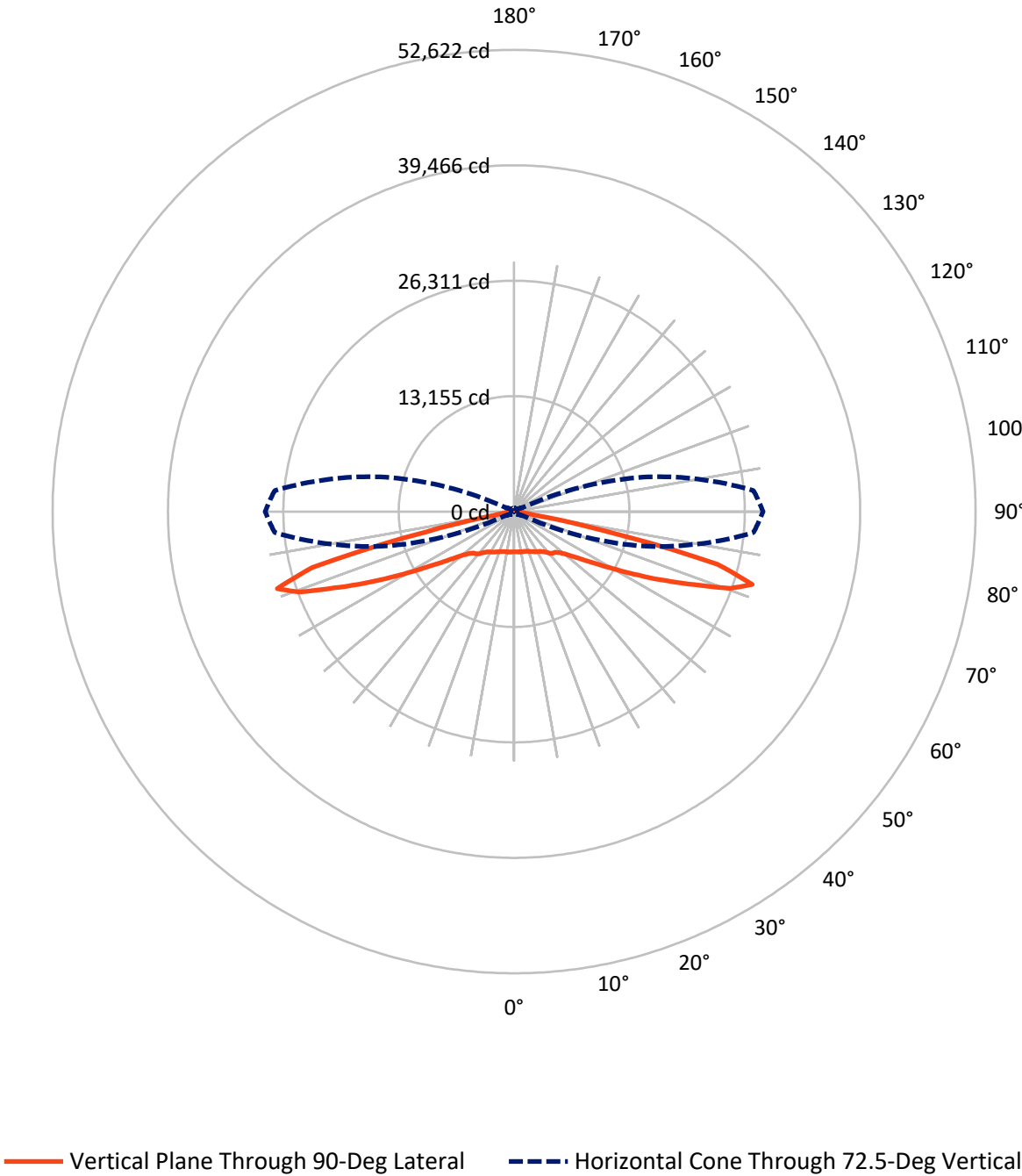


Based on 25 foot mounting height. Maximum calculated value = 7.3 fc

Type I - Short - N/A

REPORT NUMBER: P941383  
CATALOG NUMBER: GLAN-SB4D-927-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P941383

CATALOG NUMBER: GLAN-SB4D-927-U-T1

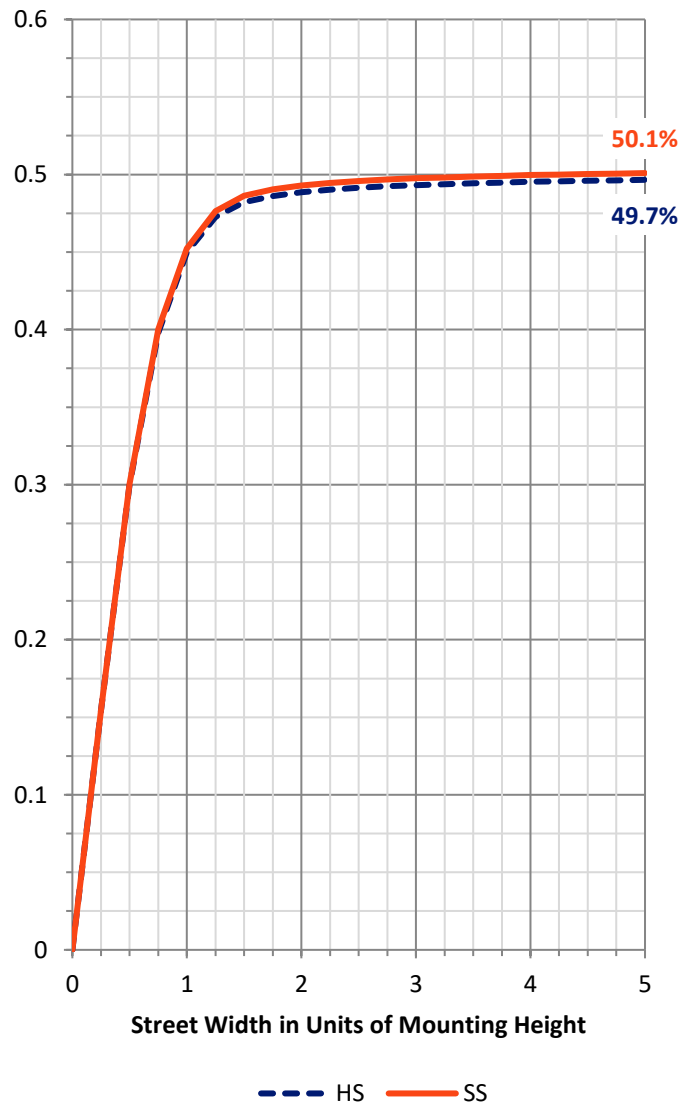
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12279.0  | 0.0    | 12279.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 12279.0  | 0.0    | 12279.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 24558.0  | 0.0    | 24558.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 445.0   | 1.8       |
| 10°-20°   | 1360.5  | 5.5       |
| 20°-30°   | 2268.5  | 9.2       |
| 30°-40°   | 3119.9  | 12.7      |
| 40°-50°   | 3810.2  | 15.5      |
| 50°-60°   | 4406.9  | 17.9      |
| 60°-70°   | 5254.5  | 21.4      |
| 70°-80°   | 3667.3  | 14.9      |
| 80°-90°   | 225.2   | 0.9       |
| 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°    | 24558.0 | 100.0     |
| 0°-180°   | 24558.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P941383

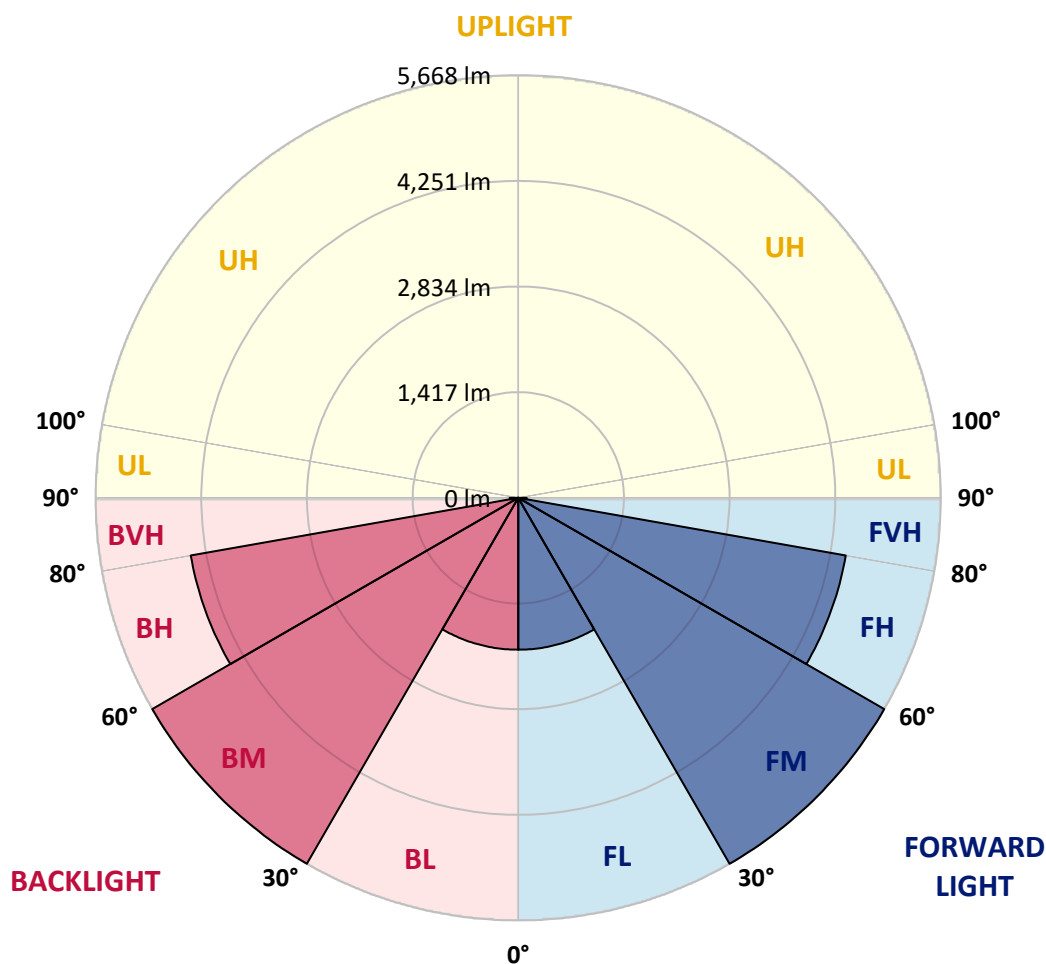
CATALOG NUMBER: GLAN-SB4D-927-U-T1

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2037.0 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 5668.5 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 4460.9 | 18.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 112.6  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2037.0 | 8.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 5668.5 | 23.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4460.9 | 18.2      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 112.6  | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G4**

Type I Short



REPORT NUMBER: P941383

CATALOG NUMBER: GLAN-SB4D-927-U-T1

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 4588.9 | 4588.9 | 4588.9 | 4588.9 | 4588.9 | 4588.9 | 4588.9 | 4588.9 | 4588.9  | 4588.9  |
| 2.5°  | 4592.8 | 4598.1 | 4598.1 | 4594.1 | 4603.3 | 4595.4 | 4595.4 | 4591.5 | 4595.4  | 4591.5  |
| 5°    | 4616.3 | 4622.9 | 4625.5 | 4624.2 | 4635.9 | 4629.4 | 4629.4 | 4624.2 | 4625.5  | 4621.6  |
| 7.5°  | 4660.7 | 4669.8 | 4675.1 | 4681.6 | 4698.6 | 4690.7 | 4685.5 | 4669.8 | 4663.3  | 4652.9  |
| 10°   | 4675.1 | 4685.5 | 4702.5 | 4736.4 | 4775.6 | 4776.9 | 4761.2 | 4722.0 | 4692.0  | 4668.5  |
| 12.5° | 4630.7 | 4645.0 | 4680.3 | 4749.5 | 4836.9 | 4872.1 | 4847.3 | 4782.1 | 4723.4  | 4681.6  |
| 15°   | 4574.6 | 4590.2 | 4643.7 | 4748.2 | 4877.4 | 4959.6 | 4957.0 | 4870.8 | 4776.9  | 4711.6  |
| 17.5° | 4487.1 | 4502.8 | 4579.8 | 4726.0 | 4908.7 | 5044.4 | 5081.0 | 4992.2 | 4860.4  | 4772.9  |
| 20°   | 4329.2 | 4343.6 | 4450.6 | 4655.5 | 4919.1 | 5134.5 | 5229.8 | 5151.4 | 4987.0  | 4868.2  |
| 22.5° | 4124.3 | 4146.5 | 4271.8 | 4534.1 | 4894.3 | 5228.4 | 5399.4 | 5345.9 | 5134.5  | 4970.0  |
| 25°   | 3905.0 | 3928.5 | 4074.7 | 4385.3 | 4830.4 | 5296.3 | 5600.4 | 5566.5 | 5301.5  | 5096.6  |
| 27.5° | 3715.8 | 3740.6 | 3899.8 | 4237.8 | 4731.2 | 5322.4 | 5798.8 | 5815.8 | 5503.8  | 5236.3  |
| 30°   | 3567.0 | 3590.5 | 3760.1 | 4119.1 | 4603.3 | 5296.3 | 5972.4 | 6089.8 | 5710.0  | 5357.7  |
| 32.5° | 3403.8 | 3433.9 | 3612.7 | 3974.2 | 4451.9 | 5233.7 | 6123.8 | 6386.1 | 5948.9  | 5488.2  |
| 35°   | 3197.6 | 3225.0 | 3413.0 | 3775.8 | 4253.5 | 5133.2 | 6250.4 | 6715.0 | 6290.8  | 5686.6  |
| 37.5° | 2947.0 | 2973.1 | 3159.8 | 3527.8 | 4056.4 | 4992.2 | 6347.0 | 7085.7 | 6698.1  | 5972.4  |
| 40°   | 2695.1 | 2719.9 | 2894.8 | 3251.1 | 3820.2 | 4812.1 | 6380.9 | 7448.5 | 7165.3  | 6365.2  |
| 42.5° | 2464.1 | 2486.3 | 2646.9 | 2978.4 | 3555.2 | 4582.4 | 6336.5 | 7764.4 | 7584.3  | 6639.3  |
| 45°   | 2251.4 | 2271.0 | 2413.2 | 2722.6 | 3279.9 | 4303.1 | 6203.4 | 8103.7 | 8082.8  | 6835.1  |
| 47.5° | 2008.6 | 2028.2 | 2175.7 | 2474.6 | 3004.5 | 3975.5 | 5977.6 | 8437.8 | 8775.9  | 7278.8  |
| 50°   | 1712.4 | 1729.3 | 1880.7 | 2188.7 | 2718.6 | 3627.0 | 5664.4 | 8700.2 | 9650.3  | 7951.0  |
| 52.5° | 1361.3 | 1379.5 | 1527.0 | 1835.0 | 2379.3 | 3252.4 | 5251.9 | 8871.1 | 10660.5 | 8932.5  |
| 55°   | 1012.8 | 1025.9 | 1153.8 | 1430.4 | 1959.0 | 2825.7 | 4735.1 | 8919.4 | 11806.4 | 10274.2 |
| 57.5° | 734.8  | 742.6  | 824.9  | 1031.1 | 1485.3 | 2291.9 | 4107.3 | 8794.1 | 13170.3 | 11994.4 |
| 60°   | 595.2  | 597.8  | 622.6  | 713.9  | 1032.4 | 1688.9 | 3349.0 | 8363.4 | 14650.4 | 14211.8 |
| 62.5° | 540.3  | 540.3  | 546.9  | 571.7  | 698.3  | 1114.6 | 2431.5 | 7470.7 | 16237.4 | 17014.0 |
| 65°   | 502.5  | 502.5  | 505.1  | 516.8  | 550.8  | 710.0  | 1534.9 | 6016.8 | 17575.2 | 20296.5 |
| 67.5° | 468.6  | 469.9  | 468.6  | 472.5  | 492.0  | 524.7  | 890.1  | 4155.6 | 18295.6 | 23697.7 |
| 70°   | 433.3  | 435.9  | 429.4  | 429.4  | 445.1  | 446.4  | 557.3  | 2278.8 | 17697.9 | 26548.1 |
| 72.5° | 391.5  | 395.5  | 385.0  | 382.4  | 394.2  | 388.9  | 419.0  | 1093.7 | 15194.6 | 27399.1 |
| 75°   | 355.0  | 360.2  | 336.7  | 330.2  | 330.2  | 326.3  | 340.6  | 561.2  | 9861.7  | 22350.8 |
| 77.5° | 322.4  | 332.8  | 295.0  | 274.1  | 268.9  | 257.1  | 278.0  | 343.3  | 4313.5  | 10493.4 |
| 80°   | 266.3  | 280.6  | 242.8  | 218.0  | 208.8  | 195.8  | 219.3  | 240.1  | 1283.0  | 2436.7  |
| 82.5° | 198.4  | 204.9  | 172.3  | 155.3  | 147.5  | 138.3  | 164.4  | 167.1  | 417.6   | 862.7   |
| 85°   | 126.6  | 129.2  | 105.7  | 91.4   | 87.4   | 83.5   | 104.4  | 91.4   | 159.2   | 634.3   |
| 87.5° | 44.4   | 50.9   | 40.5   | 36.5   | 39.2   | 32.6   | 48.3   | 27.4   | 44.4    | 447.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

(END C

90°

4588.9  
4591.5  
4621.6  
4652.9  
4664.6  
4675.1  
4701.2  
4758.6  
4846.0  
4940.0  
5054.9  
5191.9  
5293.7  
5407.3  
5596.5  
5852.3  
6237.3  
6474.9  
6613.2  
7023.0  
7629.9  
8537.0  
9779.5  
11371.8  
13427.4  
15963.3  
18967.8  
22263.3  
26170.9  
28391.0  
23906.5  
10275.5  
2333.6  
975.0  
921.4  
554.7  
0.0

OF REPORT)