

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: P849344

Luminaire Tested: **GLAN-SB6B-830-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29005 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

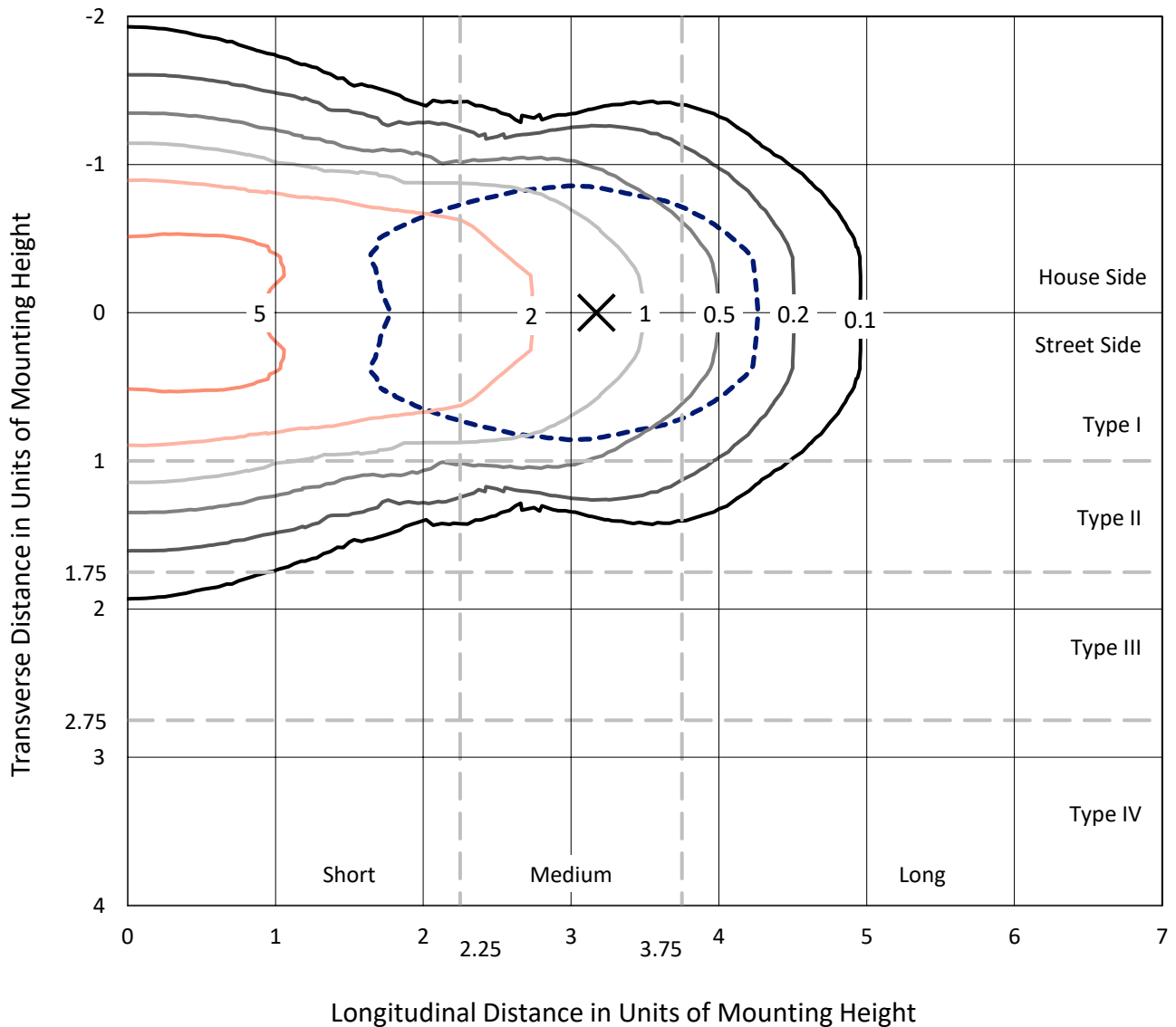
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

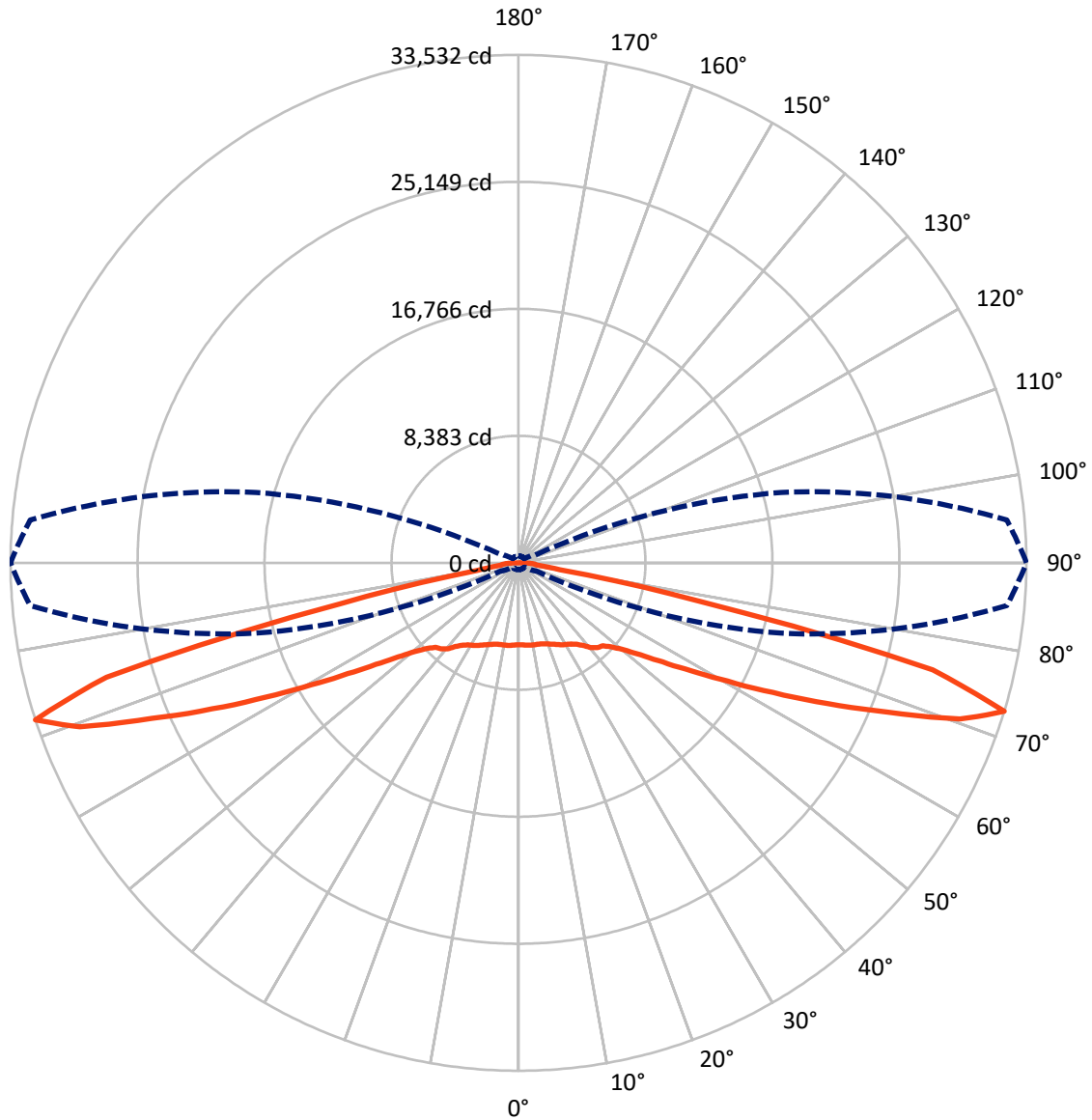
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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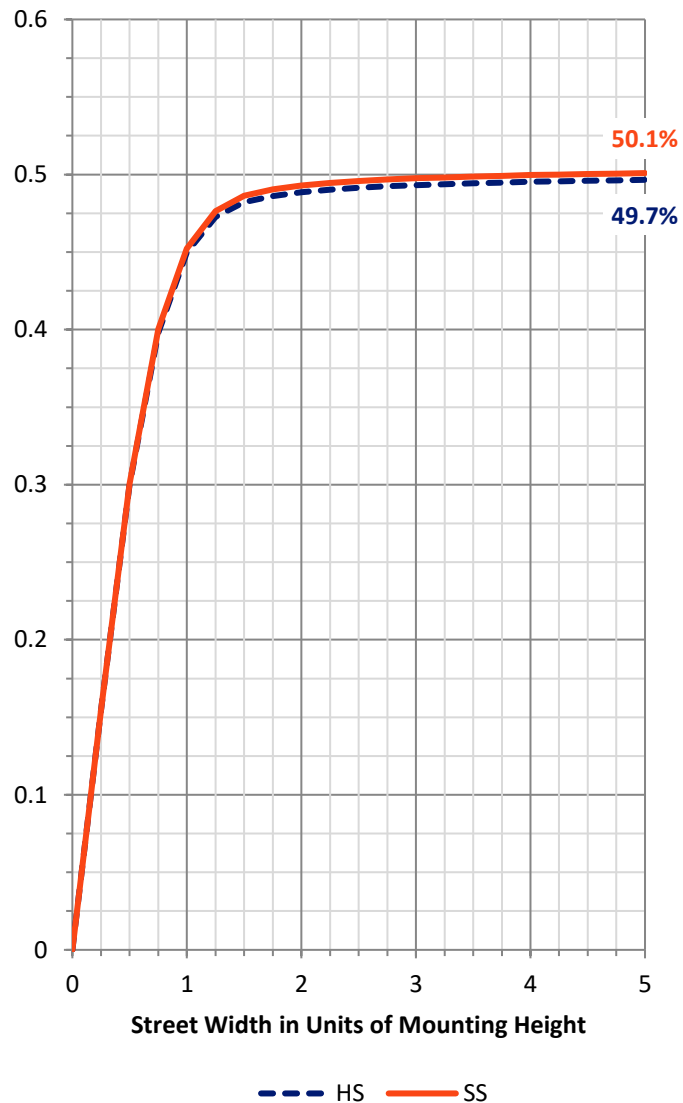
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 14502.5 | 0.0 | 14502.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 14502.5 | 0.0 | 14502.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 29005.0 | 0.0 | 29005.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 525.5 | 1.8 |
| 10°-20° | 1606.8 | 5.5 |
| 20°-30° | 2679.3 | 9.2 |
| 30°-40° | 3684.8 | 12.7 |
| 40°-50° | 4500.2 | 15.5 |
| 50°-60° | 5204.9 | 17.9 |
| 60°-70° | 6206.0 | 21.4 |
| 70°-80° | 4331.4 | 14.9 |
| 80°-90° | 266.0 | 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° | 29005.0 | 100.0 |
| 0°-180° | 29005.0 | 100.0 |

Coefficient of Utilization

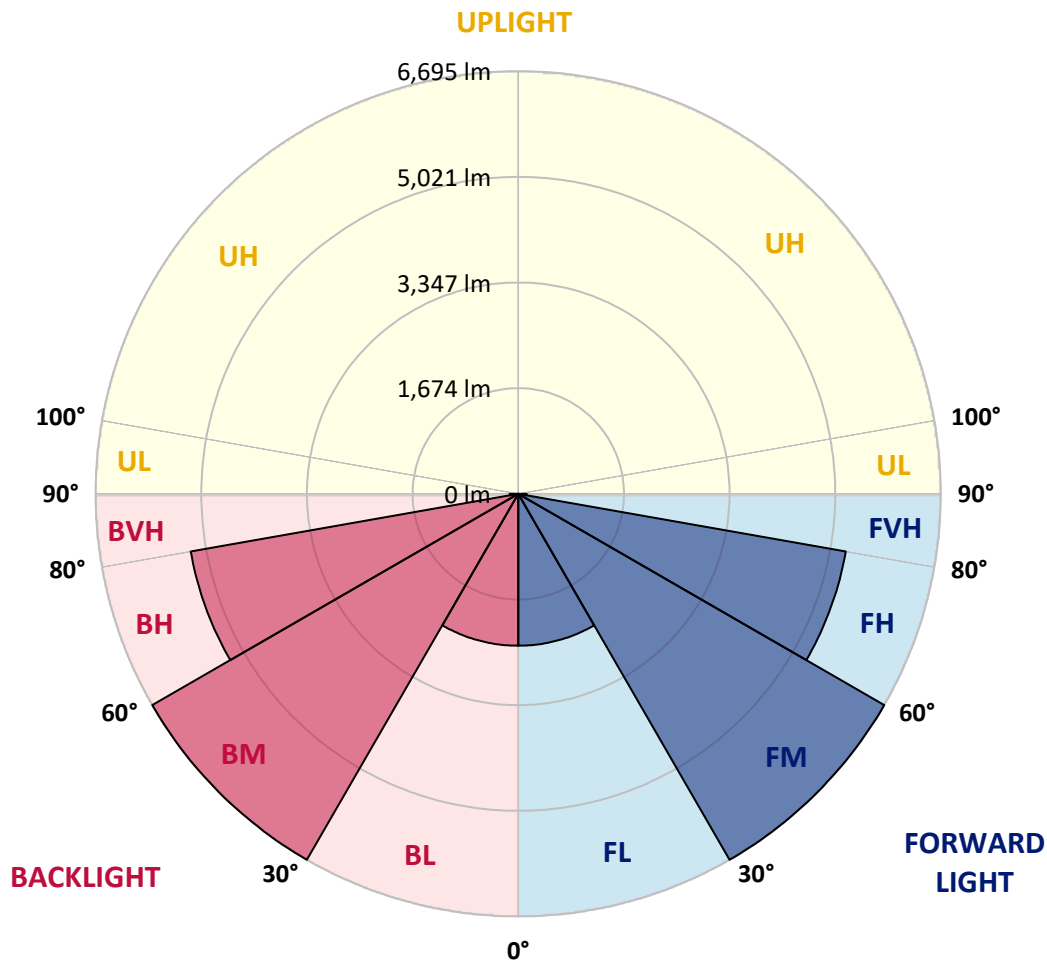


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2405.8 | 8.3 | | | |
| FM (30°-60°) | 6695.0 | 23.1 | | | |
| FH (60°-80°) | 5268.7 | 18.2 | | | G3/7500 |
| FVH (80°-90°) | 133.0 | 0.5 | | | G2/225 |
| BL (0°-30°) | 2405.8 | 8.3 | B3/2500 | | |
| BM (30°-60°) | 6695.0 | 23.1 | B4/8500 | | |
| BH (60°-80°) | 5268.7 | 18.2 | B5 | | G5 |
| BVH (80°-90°) | 133.0 | 0.5 | | | 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 I Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 5419.9 | 5419.9 | 5419.9 | 5419.9 | 5419.9 | 5419.9 | 5419.9 | 5419.9 | 5419.9 | 5419.9 |
| 2.5° | 5424.5 | 5430.7 | 5430.7 | 5426.1 | 5436.8 | 5427.6 | 5427.6 | 5423.0 | 5427.6 | 5423.0 |
| 5° | 5452.3 | 5460.0 | 5463.1 | 5461.5 | 5475.4 | 5467.7 | 5467.7 | 5461.5 | 5463.1 | 5458.4 |
| 7.5° | 5504.7 | 5515.5 | 5521.6 | 5529.3 | 5549.4 | 5540.1 | 5534.0 | 5515.5 | 5507.8 | 5495.4 |
| 10° | 5521.6 | 5534.0 | 5554.0 | 5594.1 | 5640.3 | 5641.9 | 5623.4 | 5577.1 | 5541.7 | 5513.9 |
| 12.5° | 5469.2 | 5486.2 | 5527.8 | 5609.5 | 5712.8 | 5754.4 | 5725.1 | 5648.0 | 5578.7 | 5529.3 |
| 15° | 5402.9 | 5421.4 | 5484.6 | 5608.0 | 5760.6 | 5857.7 | 5854.6 | 5752.9 | 5641.9 | 5564.8 |
| 17.5° | 5299.7 | 5318.2 | 5409.1 | 5581.7 | 5797.6 | 5957.9 | 6001.0 | 5896.2 | 5740.5 | 5637.2 |
| 20° | 5113.1 | 5130.1 | 5256.5 | 5498.5 | 5809.9 | 6064.2 | 6176.8 | 6084.3 | 5890.0 | 5749.8 |
| 22.5° | 4871.1 | 4897.3 | 5045.3 | 5355.1 | 5780.6 | 6175.2 | 6377.2 | 6314.0 | 6064.2 | 5870.0 |
| 25° | 4612.1 | 4639.9 | 4812.5 | 5179.4 | 5705.1 | 6255.4 | 6614.5 | 6574.5 | 6261.5 | 6019.5 |
| 27.5° | 4388.6 | 4417.9 | 4606.0 | 5005.2 | 5587.9 | 6286.2 | 6848.9 | 6868.9 | 6500.5 | 6184.5 |
| 30° | 4212.9 | 4240.6 | 4441.0 | 4865.0 | 5436.8 | 6255.4 | 7053.9 | 7192.6 | 6744.0 | 6327.8 |
| 32.5° | 4020.2 | 4055.7 | 4266.9 | 4693.8 | 5258.0 | 6181.4 | 7232.7 | 7542.5 | 7026.1 | 6482.0 |
| 35° | 3776.7 | 3809.0 | 4031.0 | 4459.5 | 5023.7 | 6062.7 | 7382.2 | 7931.0 | 7430.0 | 6716.3 |
| 37.5° | 3480.7 | 3511.5 | 3732.0 | 4166.7 | 4791.0 | 5896.2 | 7496.3 | 8368.8 | 7910.9 | 7053.9 |
| 40° | 3183.2 | 3212.5 | 3419.0 | 3839.9 | 4512.0 | 5683.5 | 7536.4 | 8797.3 | 8462.8 | 7517.9 |
| 42.5° | 2910.3 | 2936.5 | 3126.1 | 3517.7 | 4199.0 | 5412.2 | 7483.9 | 9170.3 | 8957.6 | 7841.6 |
| 45° | 2659.1 | 2682.2 | 2850.2 | 3215.6 | 3873.8 | 5082.3 | 7326.7 | 9571.1 | 9546.5 | 8072.8 |
| 47.5° | 2372.4 | 2395.5 | 2569.7 | 2922.7 | 3548.5 | 4695.4 | 7060.0 | 9965.8 | 10365.0 | 8596.9 |
| 50° | 2022.4 | 2042.5 | 2221.3 | 2585.1 | 3210.9 | 4283.8 | 6690.1 | 10275.6 | 11397.8 | 9390.8 |
| 52.5° | 1607.8 | 1629.4 | 1803.5 | 2167.3 | 2810.1 | 3841.4 | 6203.0 | 10477.5 | 12590.9 | 10550.0 |
| 55° | 1196.2 | 1211.6 | 1362.7 | 1689.5 | 2313.8 | 3337.3 | 5592.5 | 10534.6 | 13944.3 | 12134.6 |
| 57.5° | 867.9 | 877.1 | 974.2 | 1217.8 | 1754.2 | 2706.9 | 4851.1 | 10386.6 | 15555.2 | 14166.3 |
| 60° | 702.9 | 706.0 | 735.3 | 843.2 | 1219.3 | 1994.7 | 3955.5 | 9877.9 | 17303.3 | 16785.3 |
| 62.5° | 638.2 | 638.2 | 645.9 | 675.2 | 824.7 | 1316.4 | 2871.8 | 8823.5 | 19177.7 | 20094.9 |
| 65° | 593.5 | 593.5 | 596.6 | 610.4 | 650.5 | 838.6 | 1812.8 | 7106.3 | 20757.7 | 23971.8 |
| 67.5° | 553.4 | 554.9 | 553.4 | 558.0 | 581.1 | 619.7 | 1051.3 | 4908.1 | 21608.7 | 27988.9 |
| 70° | 511.8 | 514.9 | 507.2 | 507.2 | 525.6 | 527.2 | 658.2 | 2691.4 | 20902.6 | 31355.5 |
| 72.5° | 462.4 | 467.1 | 454.7 | 451.7 | 465.5 | 459.4 | 494.8 | 1291.8 | 17946.1 | 32360.6 |
| 75° | 419.3 | 425.5 | 397.7 | 390.0 | 390.0 | 385.4 | 402.3 | 662.8 | 11647.5 | 26398.1 |
| 77.5° | 380.7 | 393.1 | 348.4 | 323.7 | 317.5 | 303.7 | 328.3 | 405.4 | 5094.6 | 12393.6 |
| 80° | 314.5 | 331.4 | 286.7 | 257.4 | 246.6 | 231.2 | 259.0 | 283.6 | 1515.3 | 2878.0 |
| 82.5° | 234.3 | 242.0 | 203.5 | 183.4 | 174.2 | 163.4 | 194.2 | 197.3 | 493.3 | 1018.9 |
| 85° | 149.5 | 152.6 | 124.9 | 107.9 | 103.3 | 98.7 | 123.3 | 107.9 | 188.1 | 749.2 |
| 87.5° | 52.4 | 60.1 | 47.8 | 43.2 | 46.2 | 38.5 | 57.0 | 32.4 | 52.4 | 528.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

5419.9
5423.0
5458.4
5495.4
5509.3
5521.6
5552.5
5620.3
5723.6
5834.6
5970.2
6132.1
6252.3
6386.4
6609.9
6912.1
7366.8
7647.3
7810.7
8294.8
9011.6
10082.9
11550.4
13431.0
15858.9
18854.0
22402.5
26294.8
30910.0
33532.1
28235.5
12136.2
2756.2
1151.5
1088.3
655.1
0.0

OF REPORT)