

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: P846384

Luminaire Tested: **GLAN-SB2A-727-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846384
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-SB2A-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7892 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

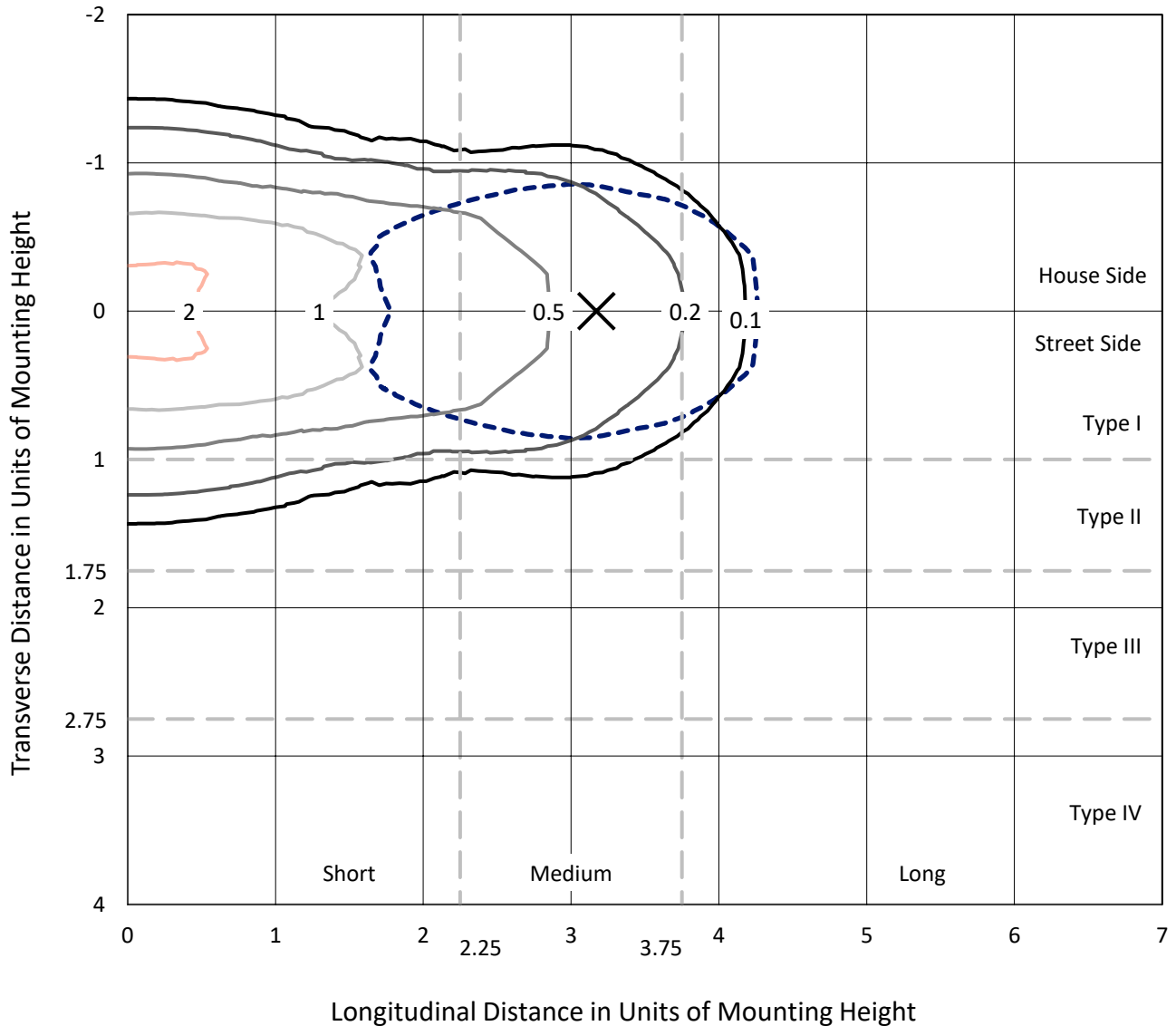
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

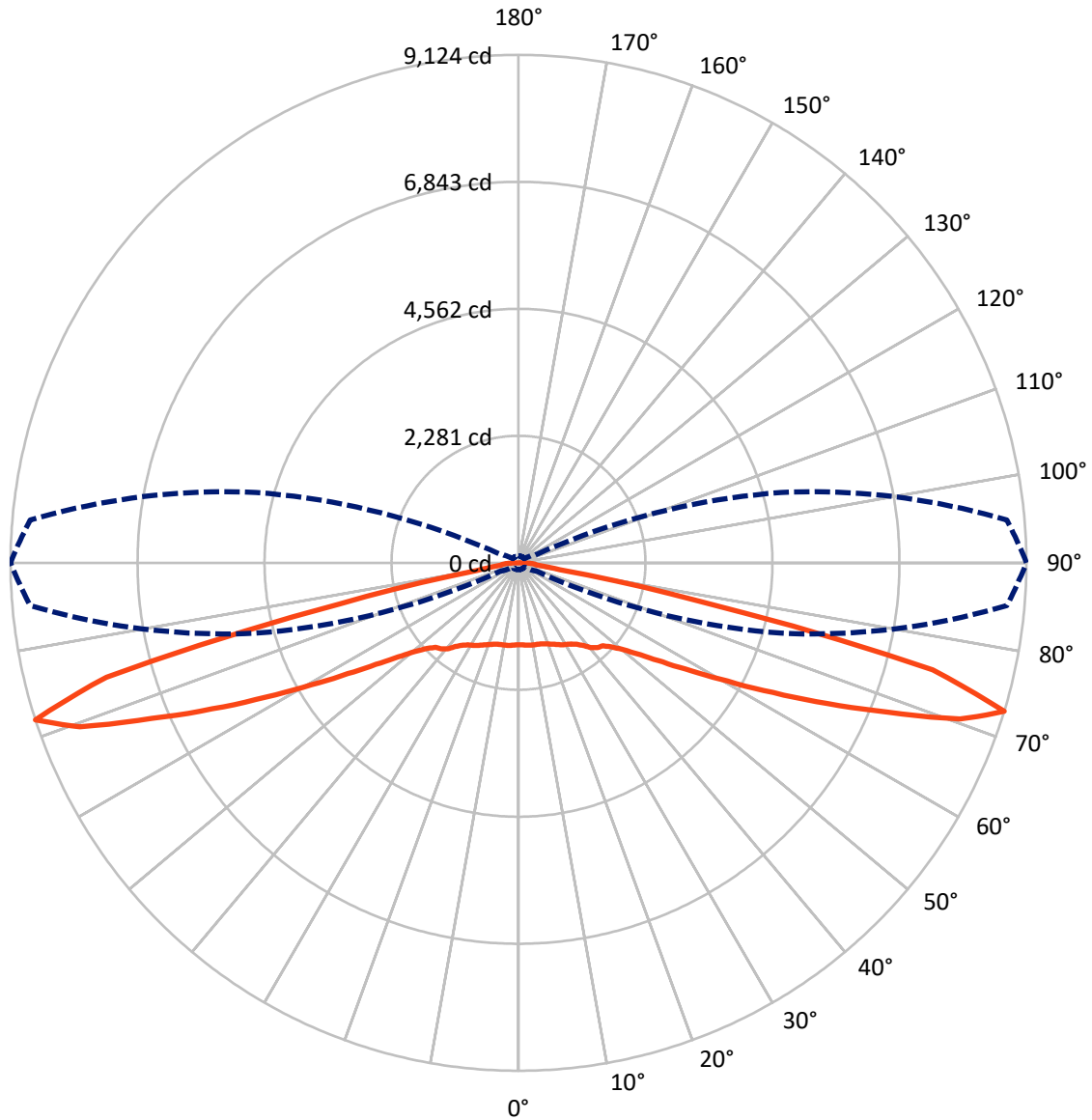
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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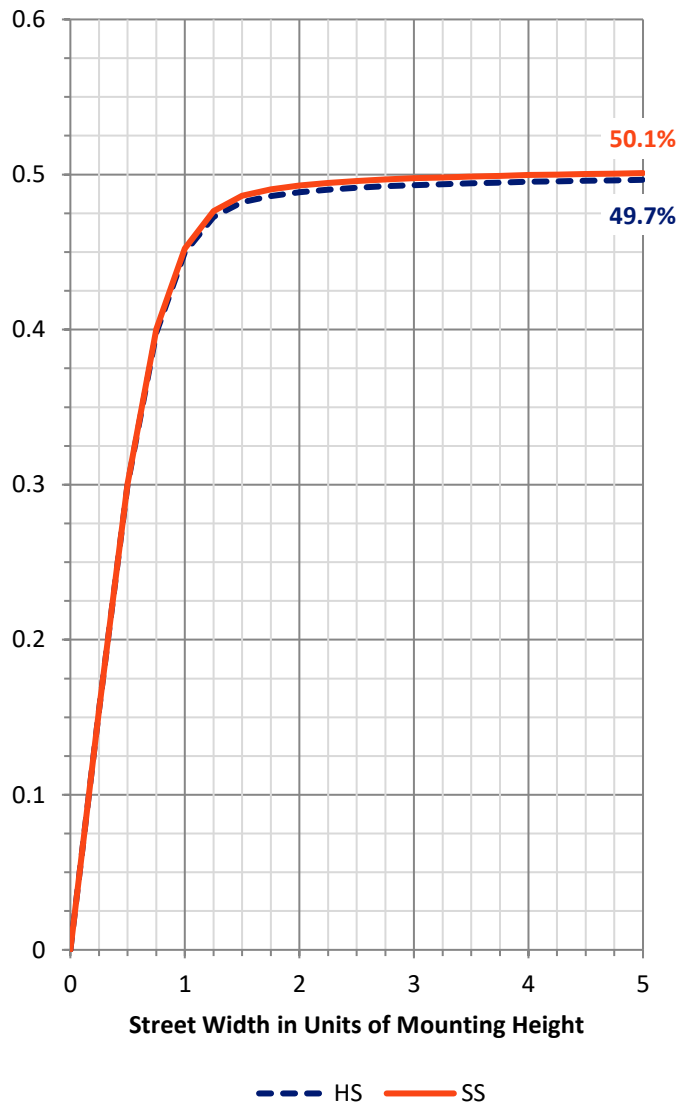
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3946.0 | 0.0 | 3946.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3946.0 | 0.0 | 3946.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7892.0 | 0.0 | 7892.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 143.0 | 1.8 |
| 10°-20° | 437.2 | 5.5 |
| 20°-30° | 729.0 | 9.2 |
| 30°-40° | 1002.6 | 12.7 |
| 40°-50° | 1224.5 | 15.5 |
| 50°-60° | 1416.2 | 17.9 |
| 60°-70° | 1688.6 | 21.4 |
| 70°-80° | 1178.5 | 14.9 |
| 80°-90° | 72.4 | 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° | 7892.0 | 100.0 |
| 0°-180° | 7892.0 | 100.0 |

Coefficient of Utilization



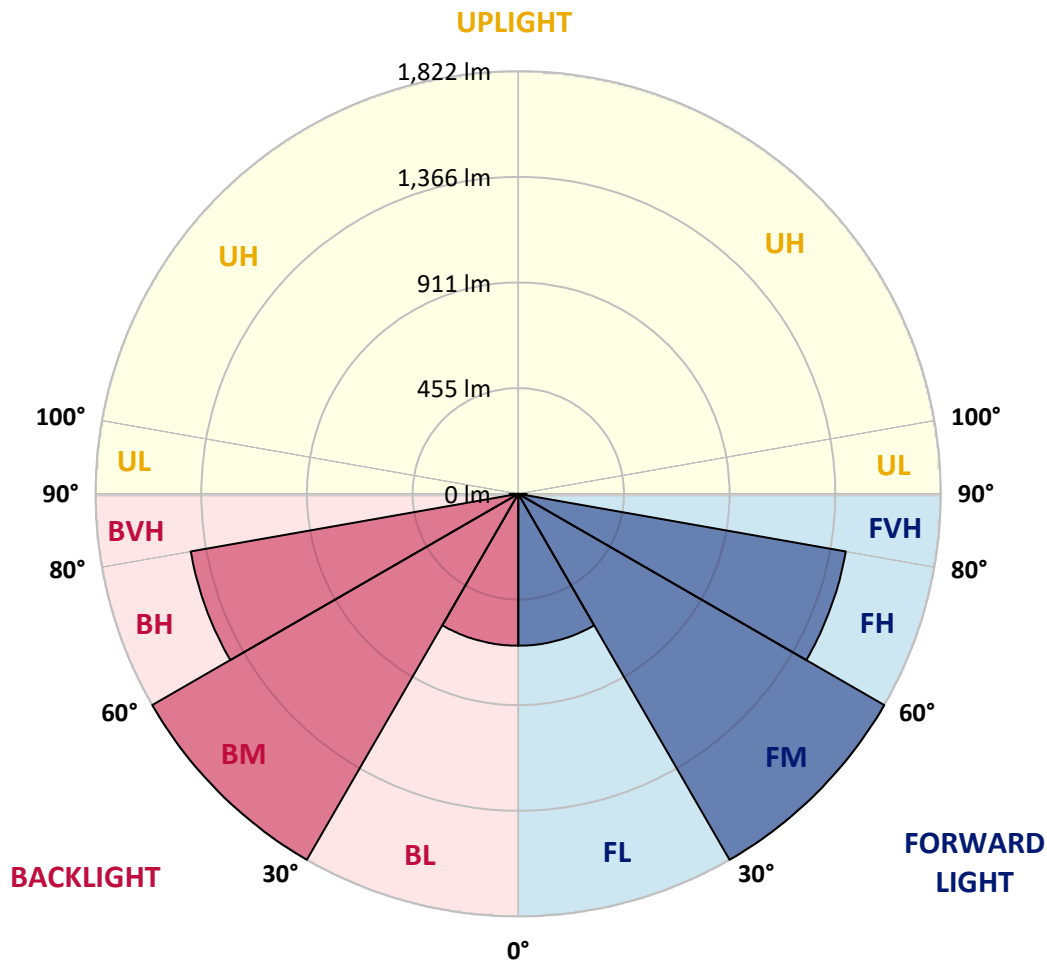
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 654.6 | 8.3 | | | |
| FM (30°-60°) | 1821.6 | 23.1 | | | |
| FH (60°-80°) | 1433.6 | 18.2 | | | G1/1800 |
| FVH (80°-90°) | 36.2 | 0.5 | | | G1/100 |
| BL (0°-30°) | 654.6 | 8.3 | B2/1000 | | |
| BM (30°-60°) | 1821.6 | 23.1 | B2/2500 | | |
| BH (60°-80°) | 1433.6 | 18.2 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 36.2 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 |
| 2.5° | 1476.0 | 1477.6 | 1477.6 | 1476.4 | 1479.3 | 1476.8 | 1476.8 | 1475.5 | 1476.8 | 1475.5 |
| 5° | 1483.5 | 1485.6 | 1486.4 | 1486.0 | 1489.8 | 1487.7 | 1487.7 | 1486.0 | 1486.4 | 1485.2 |
| 7.5° | 1497.8 | 1500.7 | 1502.4 | 1504.5 | 1509.9 | 1507.4 | 1505.7 | 1500.7 | 1498.6 | 1495.3 |
| 10° | 1502.4 | 1505.7 | 1511.2 | 1522.1 | 1534.7 | 1535.1 | 1530.1 | 1517.5 | 1507.8 | 1500.3 |
| 12.5° | 1488.1 | 1492.7 | 1504.1 | 1526.3 | 1554.4 | 1565.7 | 1557.7 | 1536.8 | 1517.9 | 1504.5 |
| 15° | 1470.1 | 1475.1 | 1492.3 | 1525.9 | 1567.4 | 1593.8 | 1593.0 | 1565.3 | 1535.1 | 1514.1 |
| 17.5° | 1442.0 | 1447.0 | 1471.8 | 1518.7 | 1577.5 | 1621.1 | 1632.8 | 1604.3 | 1561.9 | 1533.8 |
| 20° | 1391.2 | 1395.9 | 1430.2 | 1496.1 | 1580.8 | 1650.0 | 1680.6 | 1655.5 | 1602.6 | 1564.5 |
| 22.5° | 1325.4 | 1332.5 | 1372.8 | 1457.1 | 1572.8 | 1680.2 | 1735.2 | 1718.0 | 1650.0 | 1597.2 |
| 25° | 1254.9 | 1262.5 | 1309.4 | 1409.3 | 1552.3 | 1702.0 | 1799.8 | 1788.9 | 1703.7 | 1637.9 |
| 27.5° | 1194.1 | 1202.1 | 1253.2 | 1361.9 | 1520.4 | 1710.4 | 1863.5 | 1869.0 | 1768.7 | 1682.7 |
| 30° | 1146.3 | 1153.8 | 1208.4 | 1323.7 | 1479.3 | 1702.0 | 1919.3 | 1957.0 | 1835.0 | 1721.7 |
| 32.5° | 1093.9 | 1103.5 | 1161.0 | 1277.2 | 1430.7 | 1681.9 | 1967.9 | 2052.3 | 1911.7 | 1763.7 |
| 35° | 1027.6 | 1036.4 | 1096.8 | 1213.4 | 1366.9 | 1649.6 | 2008.6 | 2157.9 | 2021.6 | 1827.4 |
| 37.5° | 947.1 | 955.5 | 1015.4 | 1133.7 | 1303.6 | 1604.3 | 2039.7 | 2277.1 | 2152.5 | 1919.3 |
| 40° | 866.1 | 874.1 | 930.3 | 1044.8 | 1227.7 | 1546.4 | 2050.6 | 2393.7 | 2302.7 | 2045.5 |
| 42.5° | 791.9 | 799.0 | 850.6 | 957.1 | 1142.5 | 1472.6 | 2036.3 | 2495.2 | 2437.3 | 2133.6 |
| 45° | 723.5 | 729.8 | 775.5 | 874.9 | 1054.0 | 1382.8 | 1993.5 | 2604.2 | 2597.5 | 2196.5 |
| 47.5° | 645.5 | 651.8 | 699.2 | 795.2 | 965.5 | 1277.6 | 1921.0 | 2711.6 | 2820.2 | 2339.1 |
| 50° | 550.3 | 555.7 | 604.4 | 703.4 | 873.7 | 1165.6 | 1820.3 | 2795.9 | 3101.2 | 2555.1 |
| 52.5° | 437.5 | 443.3 | 490.7 | 589.7 | 764.6 | 1045.2 | 1687.8 | 2850.8 | 3425.9 | 2870.6 |
| 55° | 325.5 | 329.7 | 370.8 | 459.7 | 629.6 | 908.1 | 1521.7 | 2866.4 | 3794.1 | 3301.7 |
| 57.5° | 236.1 | 238.7 | 265.1 | 331.3 | 477.3 | 736.5 | 1319.9 | 2826.1 | 4232.4 | 3854.5 |
| 60° | 191.3 | 192.1 | 200.1 | 229.4 | 331.8 | 542.7 | 1076.2 | 2687.7 | 4708.1 | 4567.1 |
| 62.5° | 173.6 | 173.6 | 175.7 | 183.7 | 224.4 | 358.2 | 781.4 | 2400.8 | 5218.1 | 5467.6 |
| 65° | 161.5 | 161.5 | 162.3 | 166.1 | 177.0 | 228.2 | 493.2 | 1933.6 | 5648.0 | 6522.5 |
| 67.5° | 150.6 | 151.0 | 150.6 | 151.8 | 158.1 | 168.6 | 286.0 | 1335.5 | 5879.5 | 7615.5 |
| 70° | 139.2 | 140.1 | 138.0 | 138.0 | 143.0 | 143.4 | 179.1 | 732.3 | 5687.4 | 8531.6 |
| 72.5° | 125.8 | 127.1 | 123.7 | 122.9 | 126.7 | 125.0 | 134.6 | 351.5 | 4883.0 | 8805.0 |
| 75° | 114.1 | 115.8 | 108.2 | 106.1 | 106.1 | 104.9 | 109.5 | 180.4 | 3169.2 | 7182.7 |
| 77.5° | 103.6 | 107.0 | 94.8 | 88.1 | 86.4 | 82.6 | 89.3 | 110.3 | 1386.2 | 3372.2 |
| 80° | 85.6 | 90.2 | 78.0 | 70.0 | 67.1 | 62.9 | 70.5 | 77.2 | 412.3 | 783.1 |
| 82.5° | 63.8 | 65.8 | 55.4 | 49.9 | 47.4 | 44.5 | 52.8 | 53.7 | 134.2 | 277.2 |
| 85° | 40.7 | 41.5 | 34.0 | 29.4 | 28.1 | 26.8 | 33.6 | 29.4 | 51.2 | 203.8 |
| 87.5° | 14.3 | 16.4 | 13.0 | 11.7 | 12.6 | 10.5 | 15.5 | 8.8 | 14.3 | 143.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

1474.7
1475.5
1485.2
1495.3
1499.0
1502.4
1510.8
1529.2
1557.3
1587.5
1624.4
1668.5
1701.2
1737.7
1798.5
1880.7
2004.4
2080.8
2125.2
2256.9
2452.0
2743.5
3142.8
3654.5
4315.1
5130.0
6095.5
7154.6
8410.3
9123.8
7682.6
3302.1
749.9
313.3
296.1
178.3
0.0

OF REPORT)