

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: P846454

Luminaire Tested: **GLAN-SB2A-830-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846454
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-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7620 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

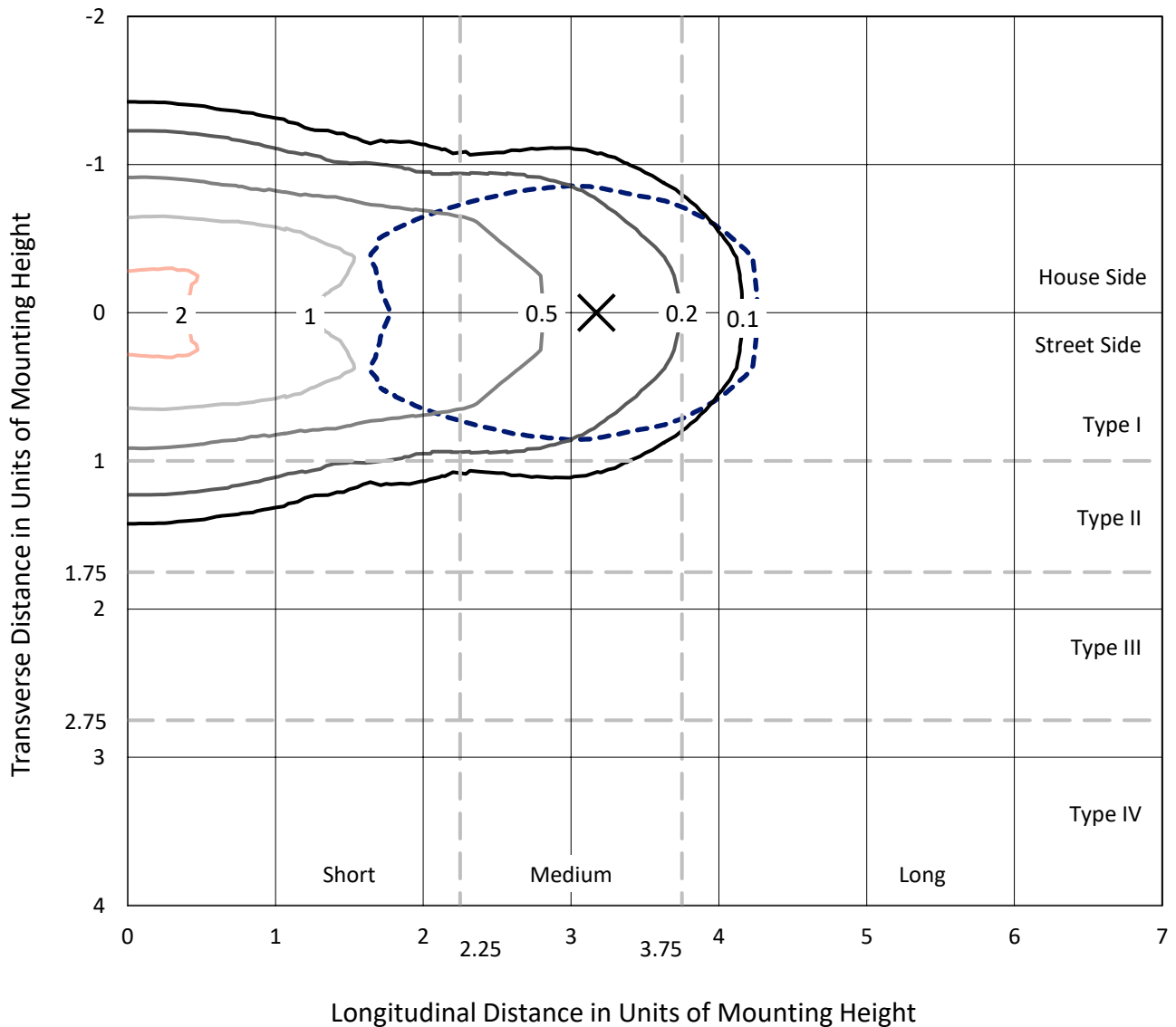
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

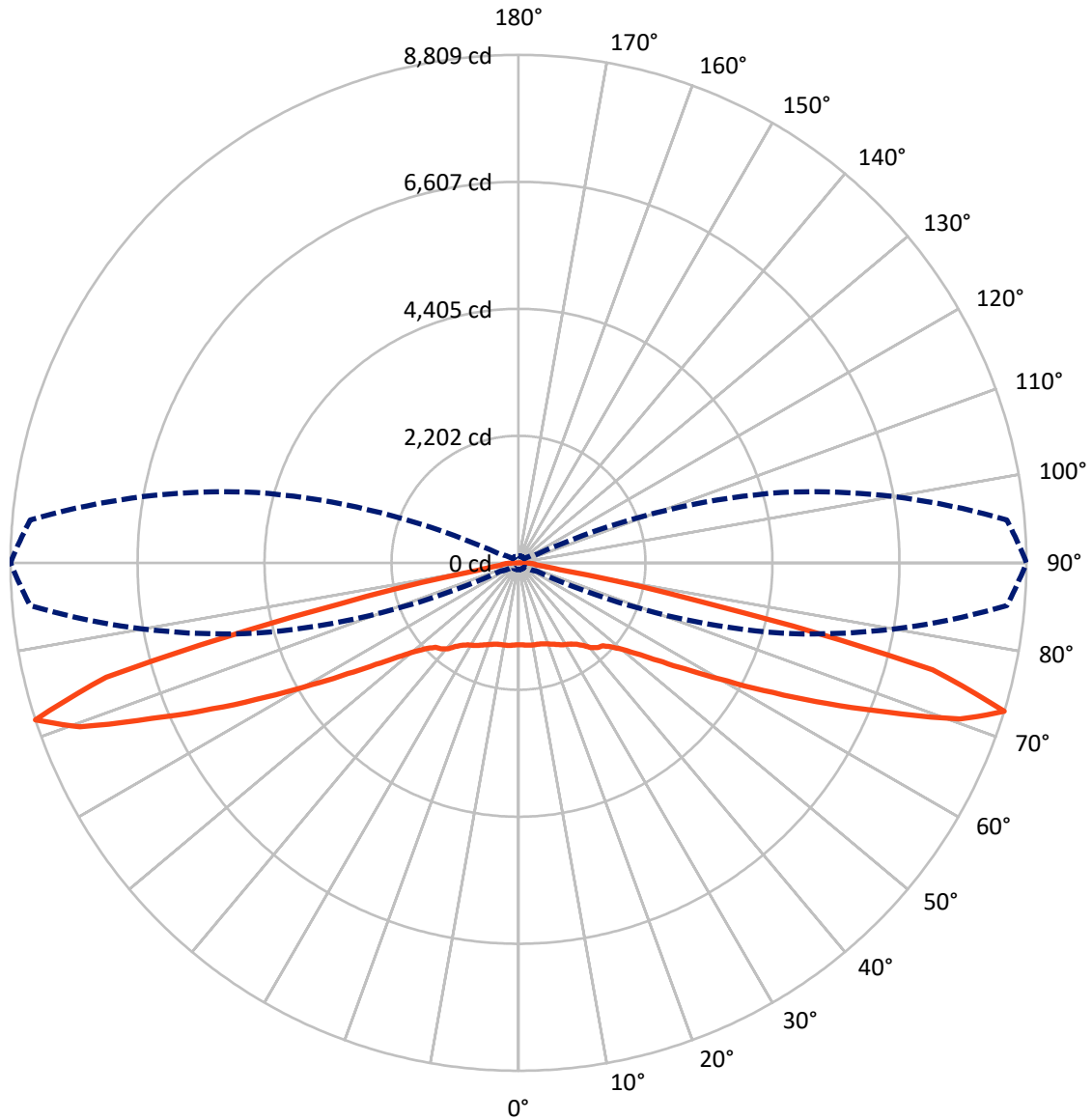
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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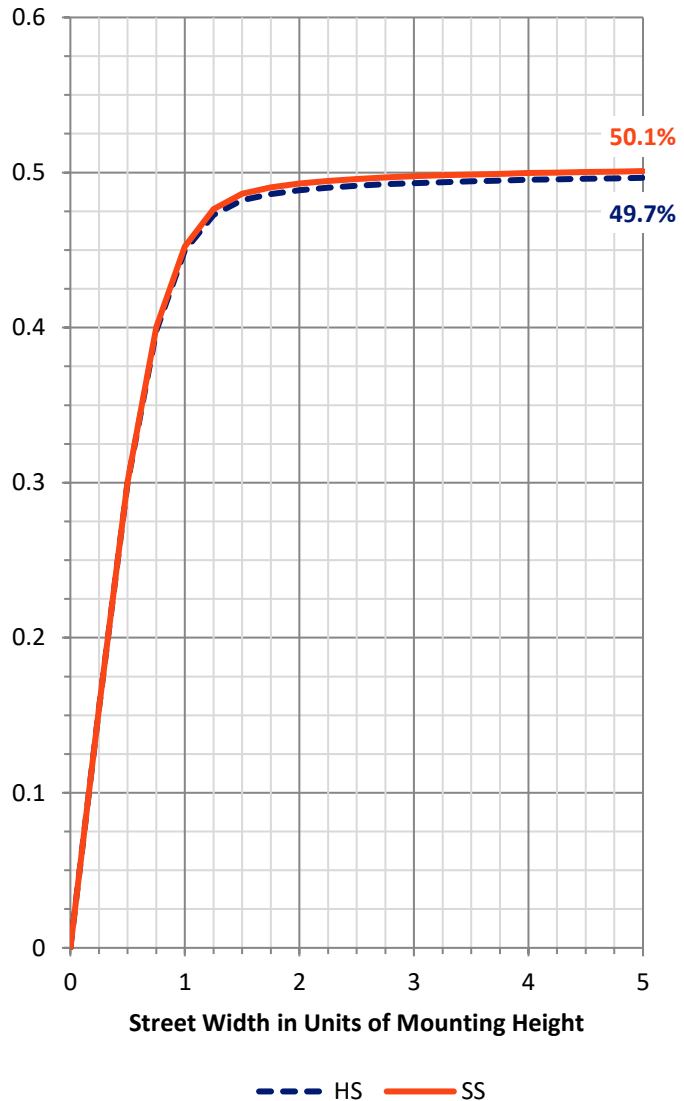
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3810.0 | 0.0 | 3810.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3810.0 | 0.0 | 3810.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7620.0 | 0.0 | 7620.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 138.1 | 1.8 |
| 10°-20° | 422.1 | 5.5 |
| 20°-30° | 703.9 | 9.2 |
| 30°-40° | 968.1 | 12.7 |
| 40°-50° | 1182.3 | 15.5 |
| 50°-60° | 1367.4 | 17.9 |
| 60°-70° | 1630.4 | 21.4 |
| 70°-80° | 1137.9 | 14.9 |
| 80°-90° | 69.9 | 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° | 7620.0 | 100.0 |
| 0°-180° | 7620.0 | 100.0 |

Coefficient of Utilization



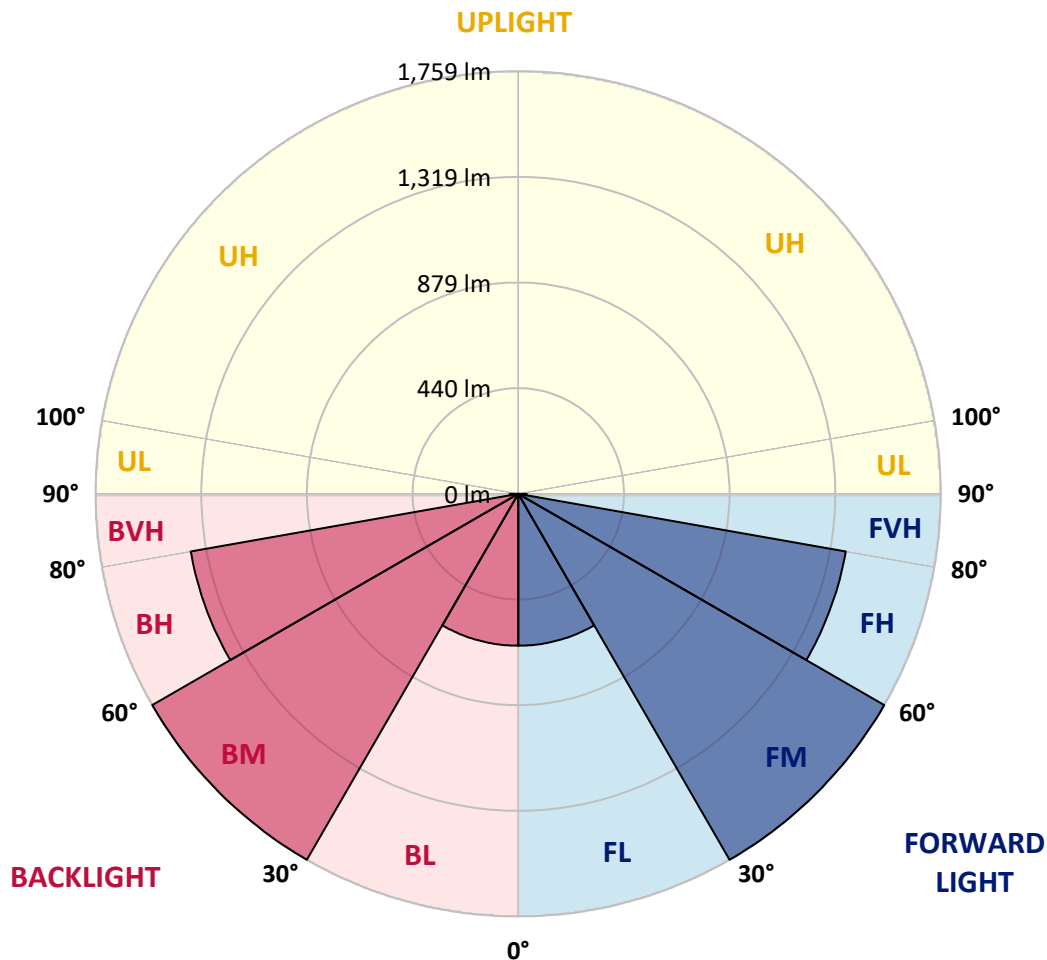
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 632.0 | 8.3 | | | |
| FM (30°-60°) | 1758.9 | 23.1 | | | |
| FH (60°-80°) | 1384.2 | 18.2 | | | G1/1800 |
| FVH (80°-90°) | 34.9 | 0.5 | | | G1/100 |
| BL (0°-30°) | 632.0 | 8.3 | B2/1000 | | |
| BM (30°-60°) | 1758.9 | 23.1 | B2/2500 | | |
| BH (60°-80°) | 1384.2 | 18.2 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 34.9 | 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° | 1423.9 | 1423.9 | 1423.9 | 1423.9 | 1423.9 | 1423.9 | 1423.9 | 1423.9 | 1423.9 | 1423.9 |
| 2.5° | 1425.1 | 1426.7 | 1426.7 | 1425.5 | 1428.3 | 1425.9 | 1425.9 | 1424.7 | 1425.9 | 1424.7 |
| 5° | 1432.4 | 1434.4 | 1435.2 | 1434.8 | 1438.5 | 1436.4 | 1436.4 | 1434.8 | 1435.2 | 1434.0 |
| 7.5° | 1446.2 | 1449.0 | 1450.6 | 1452.6 | 1457.9 | 1455.5 | 1453.8 | 1449.0 | 1447.0 | 1443.7 |
| 10° | 1450.6 | 1453.8 | 1459.1 | 1469.6 | 1481.8 | 1482.2 | 1477.3 | 1465.2 | 1455.9 | 1448.6 |
| 12.5° | 1436.8 | 1441.3 | 1452.2 | 1473.7 | 1500.8 | 1511.8 | 1504.1 | 1483.8 | 1465.6 | 1452.6 |
| 15° | 1419.4 | 1424.3 | 1440.9 | 1473.3 | 1513.4 | 1538.9 | 1538.1 | 1511.4 | 1482.2 | 1461.9 |
| 17.5° | 1392.3 | 1397.1 | 1421.0 | 1466.4 | 1523.1 | 1565.2 | 1576.6 | 1549.0 | 1508.1 | 1481.0 |
| 20° | 1343.3 | 1347.7 | 1381.0 | 1444.5 | 1526.3 | 1593.2 | 1622.7 | 1598.4 | 1547.4 | 1510.5 |
| 22.5° | 1279.7 | 1286.6 | 1325.5 | 1406.9 | 1518.6 | 1622.3 | 1675.4 | 1658.8 | 1593.2 | 1542.1 |
| 25° | 1211.7 | 1219.0 | 1264.3 | 1360.7 | 1498.8 | 1643.4 | 1737.7 | 1727.2 | 1645.0 | 1581.4 |
| 27.5° | 1153.0 | 1160.6 | 1210.1 | 1314.9 | 1468.0 | 1651.5 | 1799.3 | 1804.6 | 1707.8 | 1624.7 |
| 30° | 1106.8 | 1114.1 | 1166.7 | 1278.1 | 1428.3 | 1643.4 | 1853.1 | 1889.6 | 1771.7 | 1662.4 |
| 32.5° | 1056.2 | 1065.5 | 1121.0 | 1233.1 | 1381.4 | 1623.9 | 1900.1 | 1981.5 | 1845.9 | 1702.9 |
| 35° | 992.2 | 1000.7 | 1059.0 | 1171.6 | 1319.8 | 1592.8 | 1939.4 | 2083.6 | 1952.0 | 1764.5 |
| 37.5° | 914.4 | 922.5 | 980.4 | 1094.6 | 1258.6 | 1549.0 | 1969.4 | 2198.6 | 2078.3 | 1853.1 |
| 40° | 836.3 | 844.0 | 898.2 | 1008.8 | 1185.3 | 1493.1 | 1979.9 | 2311.2 | 2223.3 | 1975.0 |
| 42.5° | 764.6 | 771.5 | 821.3 | 924.1 | 1103.1 | 1421.9 | 1966.1 | 2409.2 | 2353.3 | 2060.1 |
| 45° | 698.6 | 704.6 | 748.8 | 844.8 | 1017.7 | 1335.2 | 1924.8 | 2514.5 | 2508.0 | 2120.8 |
| 47.5° | 623.3 | 629.3 | 675.1 | 767.8 | 932.2 | 1233.5 | 1854.8 | 2618.1 | 2723.0 | 2258.5 |
| 50° | 531.3 | 536.6 | 583.6 | 679.1 | 843.6 | 1125.4 | 1757.6 | 2699.5 | 2994.4 | 2467.1 |
| 52.5° | 422.4 | 428.1 | 473.8 | 569.4 | 738.3 | 1009.2 | 1629.6 | 2752.6 | 3307.8 | 2771.6 |
| 55° | 314.3 | 318.3 | 358.0 | 443.8 | 607.9 | 876.8 | 1469.2 | 2767.6 | 3663.4 | 3187.9 |
| 57.5° | 228.0 | 230.4 | 255.9 | 319.9 | 460.9 | 711.1 | 1274.4 | 2728.7 | 4086.6 | 3721.7 |
| 60° | 184.7 | 185.5 | 193.2 | 221.5 | 320.3 | 524.0 | 1039.2 | 2595.1 | 4545.8 | 4409.7 |
| 62.5° | 167.7 | 167.7 | 169.7 | 177.4 | 216.7 | 345.8 | 754.5 | 2318.1 | 5038.2 | 5279.2 |
| 65° | 155.9 | 155.9 | 156.7 | 160.4 | 170.9 | 220.3 | 476.2 | 1866.9 | 5453.3 | 6297.7 |
| 67.5° | 145.4 | 145.8 | 145.4 | 146.6 | 152.7 | 162.8 | 276.2 | 1289.4 | 5676.9 | 7353.1 |
| 70° | 134.5 | 135.3 | 133.2 | 133.2 | 138.1 | 138.5 | 172.9 | 707.1 | 5491.4 | 8237.5 |
| 72.5° | 121.5 | 122.7 | 119.5 | 118.7 | 122.3 | 120.7 | 130.0 | 339.4 | 4714.7 | 8501.6 |
| 75° | 110.2 | 111.8 | 104.5 | 102.5 | 102.5 | 101.2 | 105.7 | 174.1 | 3060.0 | 6935.1 |
| 77.5° | 100.0 | 103.3 | 91.5 | 85.0 | 83.4 | 79.8 | 86.3 | 106.5 | 1338.4 | 3256.0 |
| 80° | 82.6 | 87.1 | 75.3 | 67.6 | 64.8 | 60.7 | 68.0 | 74.5 | 398.1 | 756.1 |
| 82.5° | 61.6 | 63.6 | 53.5 | 48.2 | 45.8 | 42.9 | 51.0 | 51.8 | 129.6 | 267.7 |
| 85° | 39.3 | 40.1 | 32.8 | 28.3 | 27.1 | 25.9 | 32.4 | 28.3 | 49.4 | 196.8 |
| 87.5° | 13.8 | 15.8 | 12.6 | 11.3 | 12.1 | 10.1 | 15.0 | 8.5 | 13.8 | 138.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

1423.9
1424.7
1434.0
1443.7
1447.4
1450.6
1458.7
1476.5
1503.7
1532.8
1568.5
1611.0
1642.6
1677.8
1736.5
1815.9
1935.4
2009.1
2052.0
2179.1
2367.5
2648.9
3034.4
3528.5
4166.3
4953.2
5885.4
6908.0
8120.5
8809.3
7417.9
3188.3
724.1
302.5
285.9
172.1
0.0

OF REPORT)