

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: P947854

Luminaire Tested: **GLAN-SB3A-830-U-5MQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947854  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-830-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12665 lumens  
Efficiency: N/A  
Efficacy: 149.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 84.7  
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

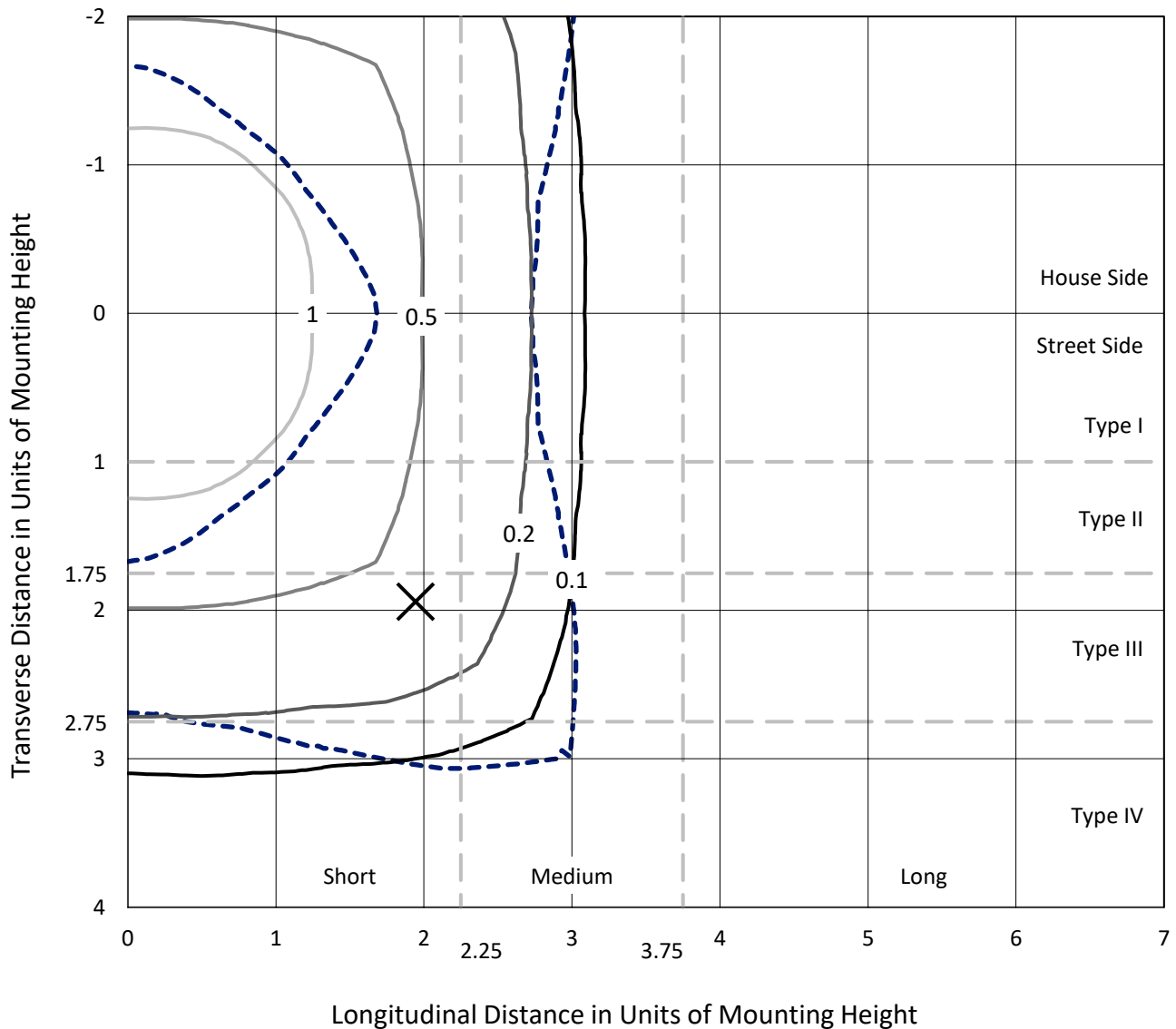


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## Iso-Footcandle Lines of Horizontal Illumination

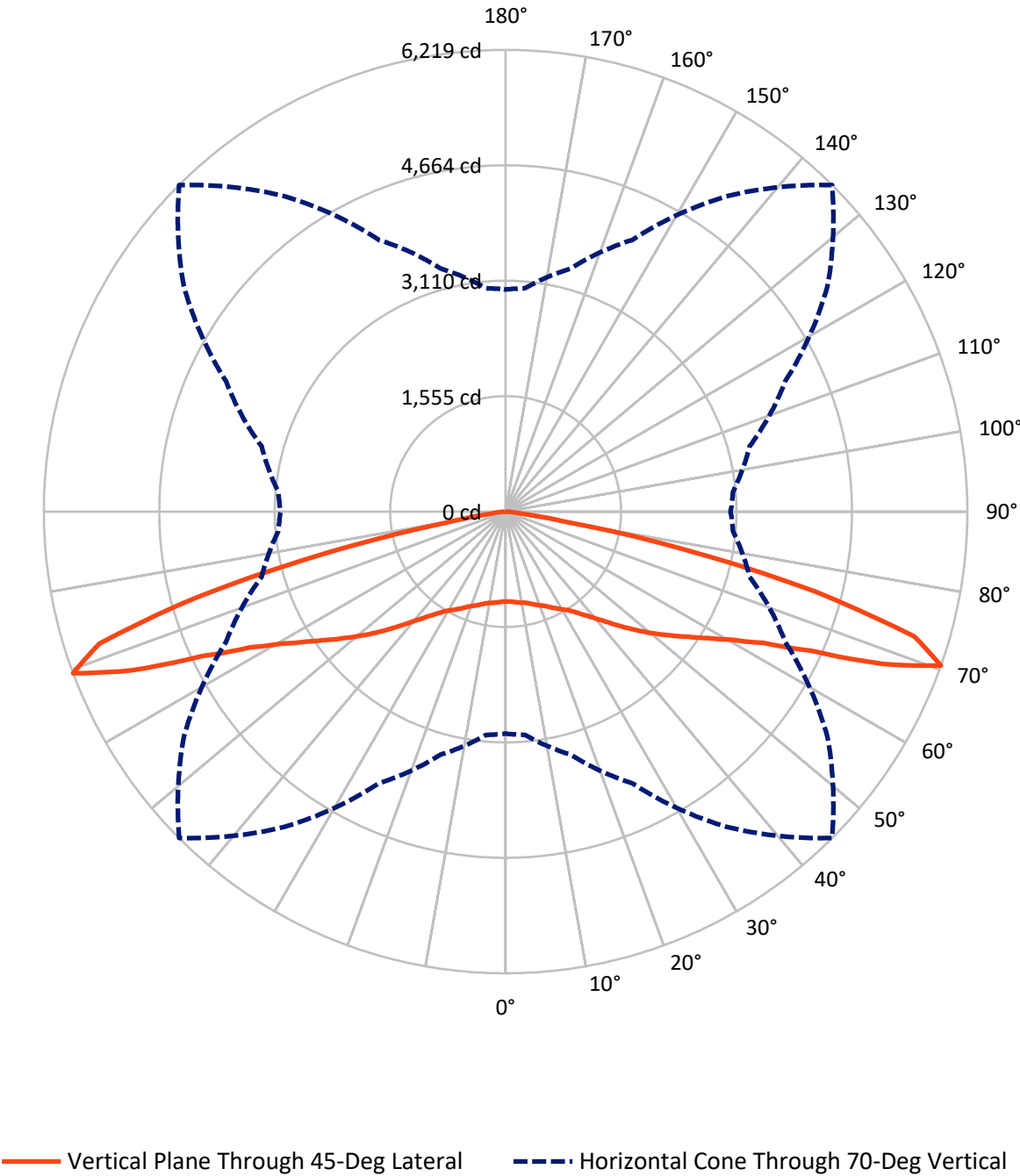
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
Type V - Short - N/A

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Luminous Intensity Polar Plot



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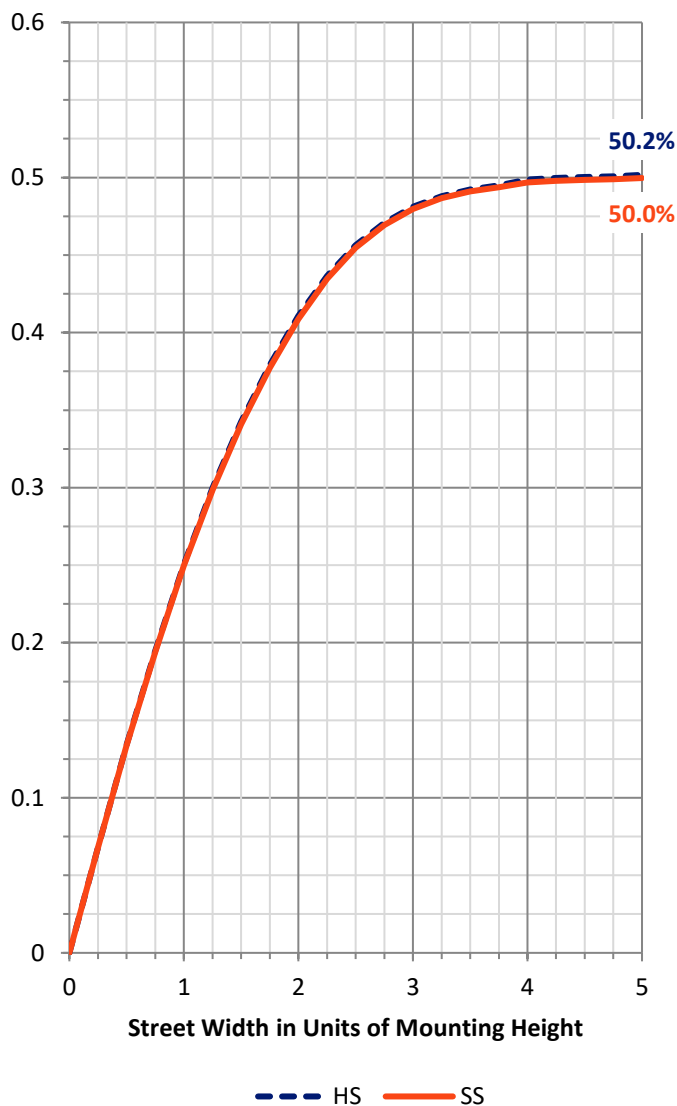
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6332.5   | 0.0    | 6332.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6332.5   | 0.0    | 6332.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 12665.0  | 0.0    | 12665.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 117.9   | 0.9       |
| 10°-20°   | 365.5   | 2.9       |
| 20°-30°   | 653.1   | 5.2       |
| 30°-40°   | 1058.7  | 8.4       |
| 40°-50°   | 1724.5  | 13.6      |
| 50°-60°   | 2629.3  | 20.8      |
| 60°-70°   | 3911.5  | 30.9      |
| 70°-80°   | 2131.9  | 16.8      |
| 80°-90°   | 72.6    | 0.6       |
| 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°    | 12665.0 | 100.0     |
| 0°-180°   | 12665.0 | 100.0     |

**Coefficient of Utilization**



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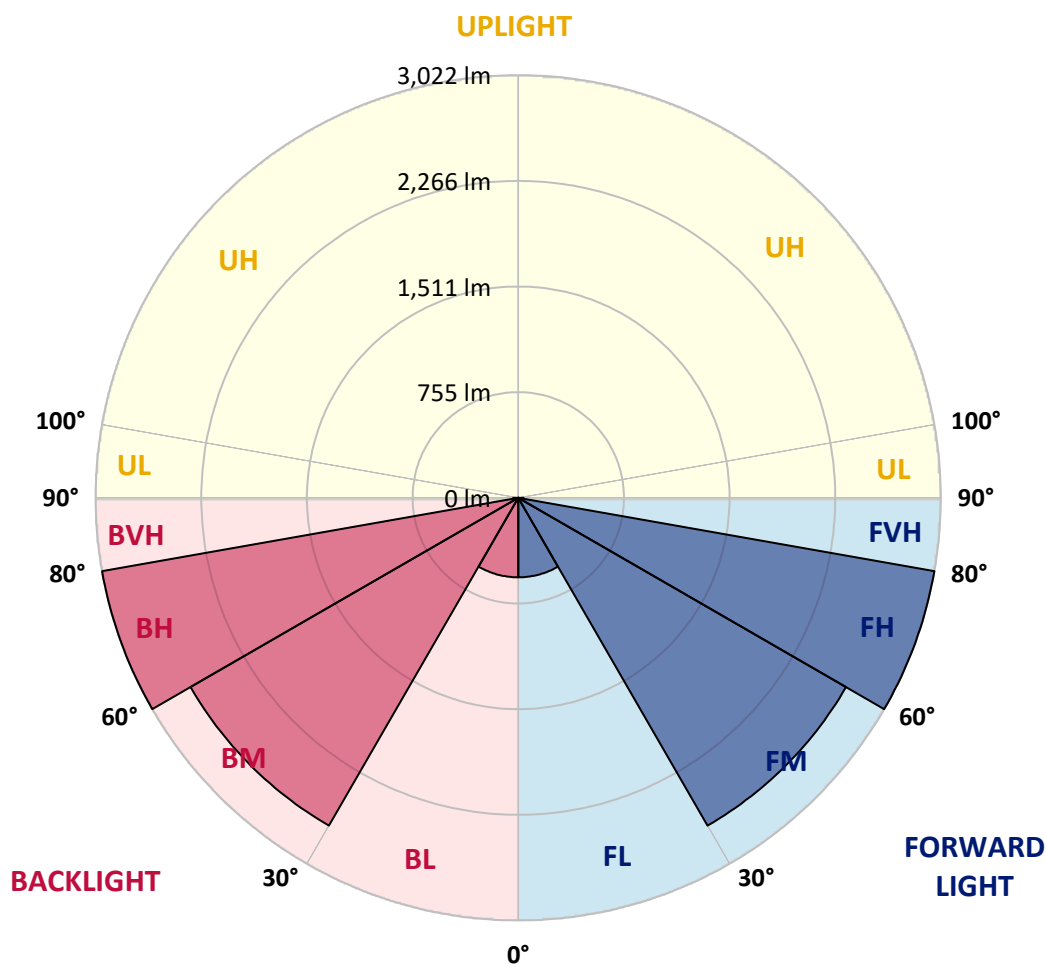
CATALOG NUMBER: GLAN-SB3A-830-U-5MQ

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 568.2  | 4.5       |                         |      |         |
| FM   | (30°-60°)   | 2706.3 | 21.4      |                         |      |         |
| FH   | (60°-80°)   | 3021.7 | 23.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 36.3   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 568.2  | 4.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2706.3 | 21.4      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 3021.7 | 23.9      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 36.3   | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1213.2 | 1213.2 | 1213.2 | 1213.2 | 1213.2 | 1213.2 | 1213.2 | 1213.2 | 1213.2 | 1213.2 |
| 2.5°  | 1218.9 | 1220.2 | 1217.6 | 1216.4 | 1215.1 | 1213.2 | 1213.8 | 1217.0 | 1219.5 | 1218.9 |
| 5°    | 1229.1 | 1230.3 | 1228.4 | 1227.8 | 1225.3 | 1224.6 | 1224.6 | 1227.8 | 1229.7 | 1228.4 |
| 7.5°  | 1240.5 | 1242.4 | 1239.2 | 1238.6 | 1237.3 | 1236.1 | 1235.4 | 1238.6 | 1240.5 | 1240.5 |
| 10°   | 1251.3 | 1253.2 | 1250.7 | 1248.8 | 1247.5 | 1247.5 | 1246.2 | 1248.8 | 1252.0 | 1251.3 |
| 12.5° | 1262.8 | 1264.0 | 1261.5 | 1260.2 | 1260.2 | 1262.1 | 1260.2 | 1261.5 | 1264.0 | 1262.8 |
| 15°   | 1276.8 | 1277.4 | 1276.8 | 1278.7 | 1281.8 | 1288.2 | 1282.5 | 1281.2 | 1282.5 | 1279.3 |
| 17.5° | 1295.8 | 1297.1 | 1299.6 | 1304.1 | 1308.6 | 1320.0 | 1309.8 | 1306.6 | 1306.6 | 1300.3 |
| 20°   | 1319.4 | 1321.3 | 1325.1 | 1332.7 | 1338.4 | 1349.2 | 1339.1 | 1334.6 | 1332.7 | 1324.4 |
| 22.5° | 1344.2 | 1347.3 | 1353.1 | 1363.2 | 1373.4 | 1383.6 | 1373.4 | 1365.8 | 1360.1 | 1349.2 |
| 25°   | 1372.8 | 1376.6 | 1385.5 | 1402.0 | 1416.0 | 1430.6 | 1418.6 | 1403.3 | 1391.8 | 1376.6 |
| 27.5° | 1413.5 | 1417.9 | 1428.7 | 1449.1 | 1466.9 | 1479.6 | 1468.1 | 1448.4 | 1432.5 | 1414.1 |
| 30°   | 1470.7 | 1475.1 | 1487.9 | 1509.5 | 1521.6 | 1529.8 | 1522.2 | 1506.9 | 1487.9 | 1466.9 |
| 32.5° | 1544.4 | 1550.2 | 1564.2 | 1584.5 | 1587.0 | 1588.3 | 1585.8 | 1578.1 | 1564.2 | 1538.7 |
| 35°   | 1637.9 | 1644.3 | 1660.2 | 1676.7 | 1674.2 | 1676.7 | 1672.9 | 1670.3 | 1660.2 | 1630.9 |
| 37.5° | 1752.4 | 1760.0 | 1776.5 | 1789.2 | 1782.9 | 1779.7 | 1780.3 | 1781.0 | 1775.3 | 1742.8 |
| 40°   | 1885.3 | 1895.4 | 1907.5 | 1920.9 | 1910.1 | 1900.5 | 1906.9 | 1912.0 | 1906.9 | 1873.8 |
| 42.5° | 2022.0 | 2036.6 | 2049.3 | 2068.4 | 2059.5 | 2047.4 | 2056.3 | 2062.0 | 2051.2 | 2015.6 |
| 45°   | 2173.9 | 2187.9 | 2204.4 | 2233.1 | 2226.7 | 2214.0 | 2226.7 | 2228.0 | 2209.5 | 2167.6 |
| 47.5° | 2331.0 | 2345.6 | 2370.4 | 2408.5 | 2406.0 | 2392.0 | 2408.5 | 2399.6 | 2376.1 | 2325.9 |
| 50°   | 2479.8 | 2500.1 | 2538.3 | 2591.7 | 2596.8 | 2579.6 | 2601.8 | 2584.7 | 2545.3 | 2482.3 |
| 52.5° | 2619.6 | 2641.3 | 2701.7 | 2774.2 | 2792.6 | 2770.3 | 2800.2 | 2770.3 | 2711.2 | 2630.5 |
| 55°   | 2766.5 | 2790.7 | 2862.5 | 2957.3 | 2994.2 | 2977.6 | 3005.6 | 2960.5 | 2876.5 | 2778.6 |
| 57.5° | 2939.5 | 2954.1 | 3039.9 | 3152.5 | 3214.8 | 3218.6 | 3231.3 | 3155.0 | 3053.3 | 2942.0 |
| 60°   | 3127.0 | 3147.4 | 3240.9 | 3375.7 | 3474.2 | 3506.0 | 3492.6 | 3379.5 | 3261.2 | 3133.4 |
| 62.5° | 3367.4 | 3389.6 | 3501.6 | 3663.1 | 3818.8 | 3897.7 | 3845.5 | 3681.5 | 3535.3 | 3382.0 |
| 65°   | 3566.4 | 3591.2 | 3793.4 | 4081.4 | 4365.0 | 4523.3 | 4392.4 | 4090.3 | 3827.1 | 3610.9 |
| 67.5° | 3422.1 | 3452.6 | 3769.9 | 4298.9 | 5004.0 | 5476.5 | 5028.2 | 4363.7 | 3848.1 | 3555.0 |
| 70°   | 2991.0 | 3019.6 | 3389.6 | 4036.3 | 5184.0 | 6219.1 | 5292.1 | 4155.2 | 3401.7 | 3073.6 |
| 72.5° | 1985.7 | 2077.9 | 2452.4 | 3228.1 | 4628.9 | 5755.0 | 4674.7 | 3162.7 | 2275.0 | 1981.3 |
| 75°   | 658.7  | 732.5  | 988.1  | 1673.5 | 3100.3 | 4304.0 | 2951.6 | 1480.9 | 782.7  | 563.4  |
| 77.5° | 166.0  | 191.4  | 263.9  | 478.8  | 1236.7 | 2450.5 | 1113.3 | 391.0  | 213.0  | 148.8  |
| 80°   | 80.8   | 89.0   | 127.2  | 159.6  | 309.7  | 778.9  | 290.6  | 150.1  | 100.5  | 77.6   |
| 82.5° | 44.5   | 45.1   | 71.8   | 90.3   | 115.1  | 201.6  | 119.5  | 87.7   | 57.9   | 47.1   |
| 85°   | 27.3   | 26.7   | 38.2   | 48.3   | 48.3   | 71.8   | 57.2   | 48.3   | 33.1   | 29.2   |
| 87.5° | 10.8   | 10.8   | 14.0   | 15.3   | 13.4   | 18.4   | 14.6   | 15.9   | 12.7   | 12.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 1213.2 |
| 1219.5 |
| 1229.1 |
| 1240.5 |
| 1251.3 |
| 1262.1 |
| 1279.3 |
| 1300.3 |
| 1324.4 |
| 1348.6 |
| 1376.0 |
| 1413.5 |
| 1466.9 |
| 1539.4 |
| 1630.9 |
| 1742.8 |
| 1873.8 |
| 2018.1 |
| 2172.0 |
| 2322.7 |
| 2481.0 |
| 2622.8 |
| 2765.3 |
| 2926.8 |
| 3113.1 |
| 3355.3 |
| 3575.3 |
| 3511.1 |
| 3029.8 |
| 1917.0 |
| 532.8  |
| 132.9  |
| 71.2   |
| 47.1   |
| 30.5   |
| 12.7   |
| 0.0    |