

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: P940053

Luminaire Tested: **GLAN-SB2D-940-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940053  
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-SB2D-940-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

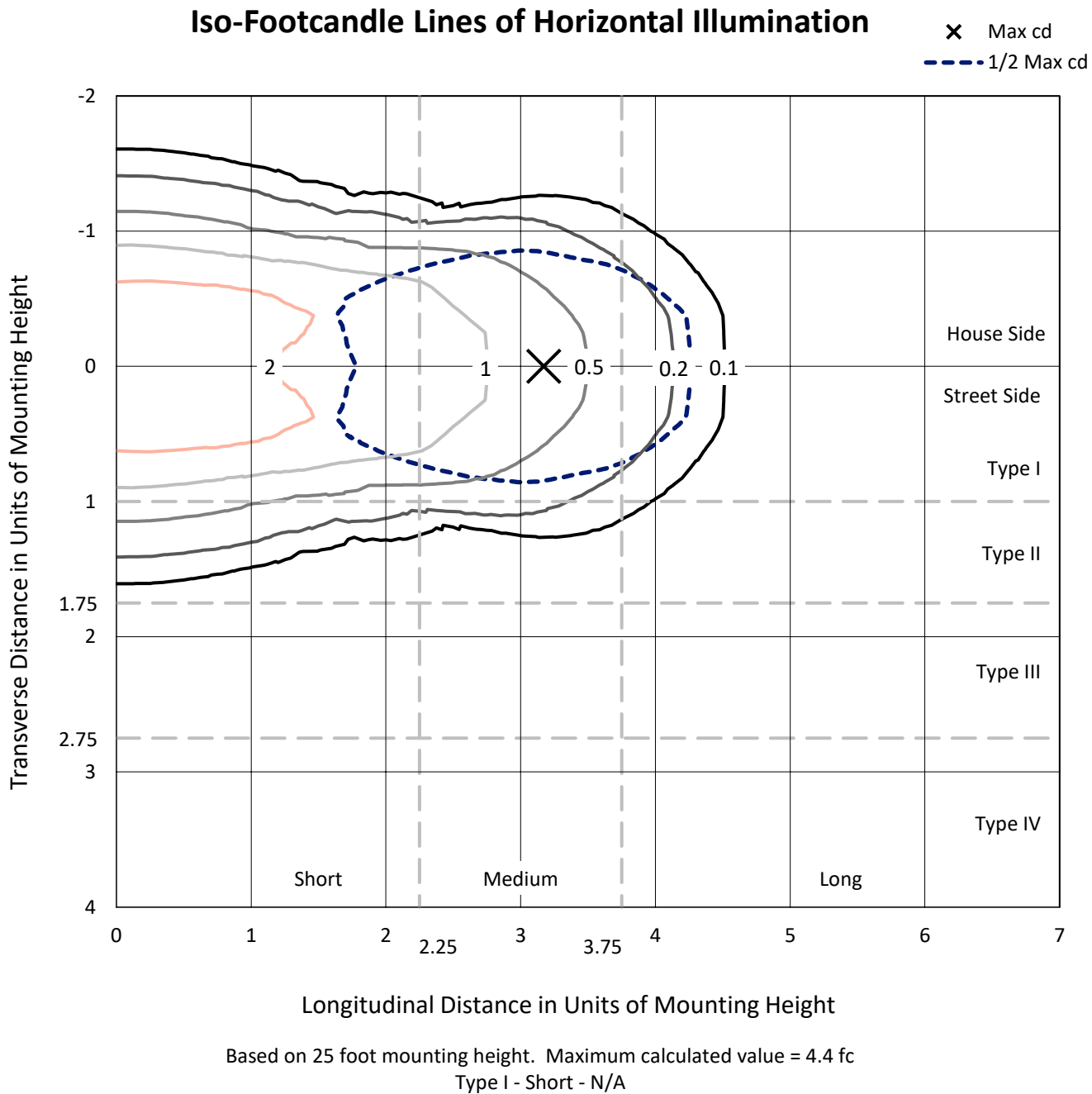
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 14588 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

Input Watts (W): 147.6  
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

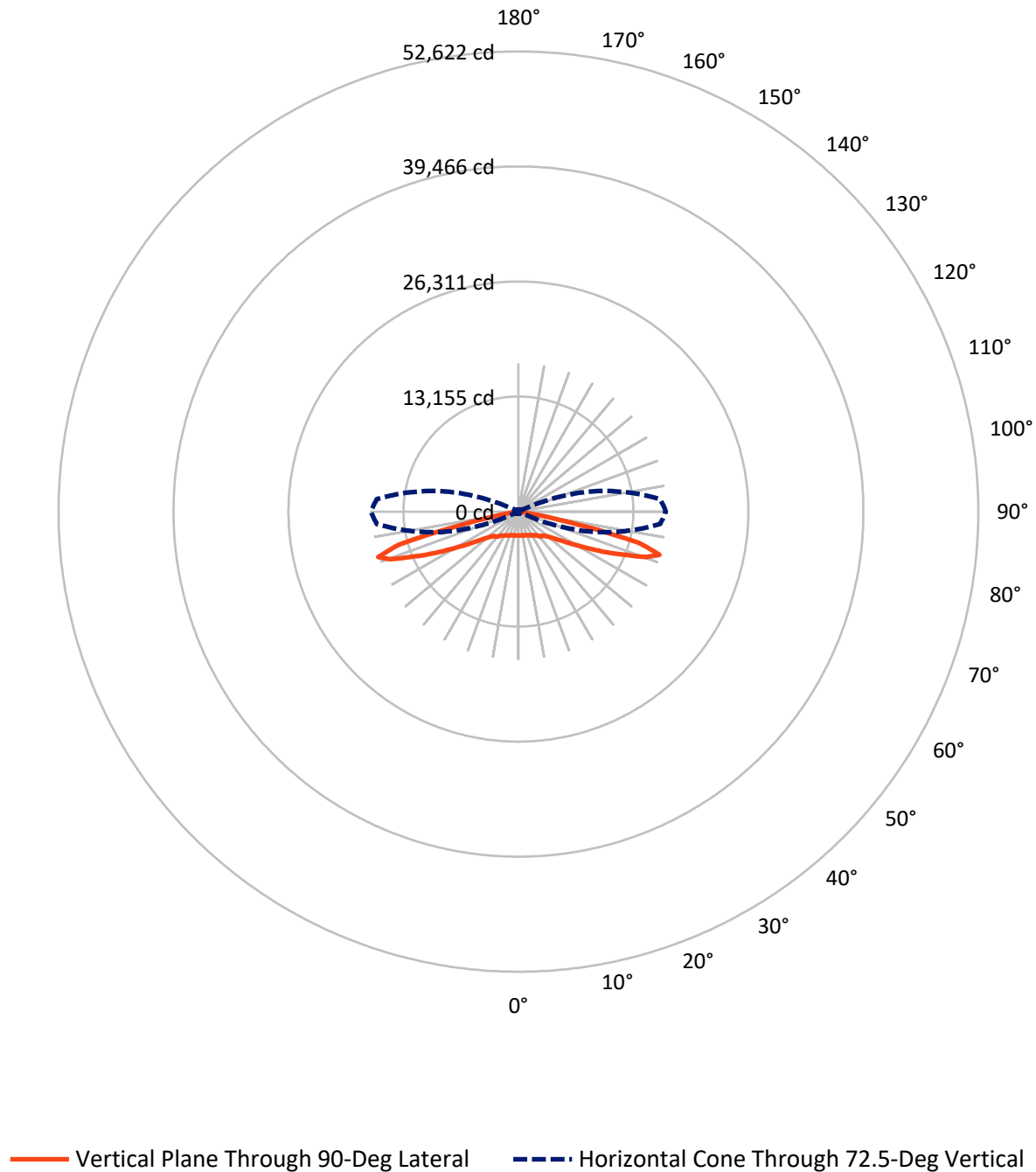


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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7294.0   | 0.0    | 7294.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 7294.0   | 0.0    | 7294.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 14588.0  | 0.0    | 14588.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 264.3   | 1.8       |
| 10°-20°   | 808.2   | 5.5       |
| 20°-30°   | 1347.5  | 9.2       |
| 30°-40°   | 1853.3  | 12.7      |
| 40°-50°   | 2263.4  | 15.5      |
| 50°-60°   | 2617.8  | 17.9      |
| 60°-70°   | 3121.3  | 21.4      |
| 70°-80°   | 2178.5  | 14.9      |
| 80°-90°   | 133.8   | 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°    | 14588.0 | 100.0     |
| 0°-180°   | 14588.0 | 100.0     |

**Coefficient of Utilization**



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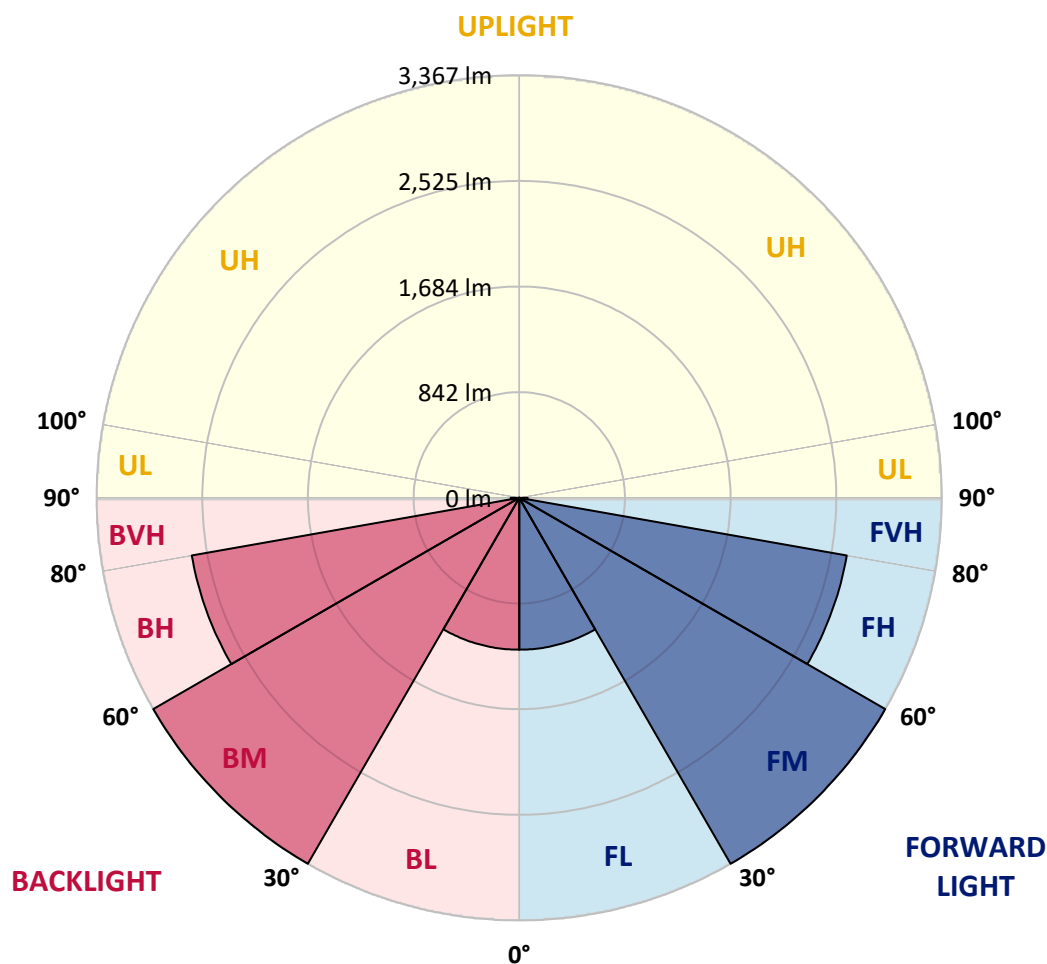
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1210.0 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 3367.2 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 2649.9 | 18.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 66.9   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1210.0 | 8.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3367.2 | 23.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2649.9 | 18.2      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 66.9   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

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

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 2725.9 | 2725.9 | 2725.9 | 2725.9 | 2725.9 | 2725.9 | 2725.9 | 2725.9 | 2725.9  | 2725.9  |
| 2.5°  | 2728.2 | 2731.3 | 2731.3 | 2729.0 | 2734.4 | 2729.8 | 2729.8 | 2727.5 | 2729.8  | 2727.5  |
| 5°    | 2742.2 | 2746.1 | 2747.6 | 2746.9 | 2753.8 | 2750.0 | 2750.0 | 2746.9 | 2747.6  | 2745.3  |
| 7.5°  | 2768.6 | 2774.0 | 2777.1 | 2781.0 | 2791.0 | 2786.4 | 2783.3 | 2774.0 | 2770.1  | 2763.9  |
| 10°   | 2777.1 | 2783.3 | 2793.4 | 2813.5 | 2836.8 | 2837.6 | 2828.3 | 2805.0 | 2787.2  | 2773.2  |
| 12.5° | 2750.7 | 2759.3 | 2780.2 | 2821.3 | 2873.2 | 2894.2 | 2879.4 | 2840.7 | 2805.8  | 2781.0  |
| 15°   | 2717.4 | 2726.7 | 2758.5 | 2820.5 | 2897.3 | 2946.1 | 2944.6 | 2893.4 | 2837.6  | 2798.8  |
| 17.5° | 2665.4 | 2674.8 | 2720.5 | 2807.3 | 2915.9 | 2996.5 | 3018.2 | 2965.5 | 2887.2  | 2835.2  |
| 20°   | 2571.6 | 2580.2 | 2643.7 | 2765.5 | 2922.1 | 3050.0 | 3106.6 | 3060.1 | 2962.4  | 2891.8  |
| 22.5° | 2449.9 | 2463.1 | 2537.5 | 2693.4 | 2907.3 | 3105.8 | 3207.4 | 3175.6 | 3050.0  | 2952.3  |
| 25°   | 2319.7 | 2333.6 | 2420.5 | 2605.0 | 2869.4 | 3146.1 | 3326.8 | 3306.6 | 3149.2  | 3027.5  |
| 27.5° | 2207.3 | 2222.0 | 2316.6 | 2517.4 | 2810.4 | 3161.6 | 3444.6 | 3454.7 | 3269.4  | 3110.5  |
| 30°   | 2118.9 | 2132.8 | 2233.6 | 2446.8 | 2734.4 | 3146.1 | 3547.7 | 3617.5 | 3391.9  | 3182.6  |
| 32.5° | 2022.0 | 2039.8 | 2146.0 | 2360.8 | 2644.5 | 3108.9 | 3637.7 | 3793.5 | 3533.8  | 3260.1  |
| 35°   | 1899.5 | 1915.7 | 2027.4 | 2242.9 | 2526.7 | 3049.2 | 3712.9 | 3988.9 | 3736.9  | 3377.9  |
| 37.5° | 1750.6 | 1766.1 | 1877.0 | 2095.6 | 2409.6 | 2965.5 | 3770.2 | 4209.1 | 3978.8  | 3547.7  |
| 40°   | 1601.0 | 1615.7 | 1719.6 | 1931.2 | 2269.3 | 2858.5 | 3790.4 | 4424.6 | 4256.3  | 3781.1  |
| 42.5° | 1463.7 | 1476.9 | 1572.3 | 1769.2 | 2111.9 | 2722.0 | 3764.0 | 4612.2 | 4505.2  | 3943.9  |
| 45°   | 1337.4 | 1349.0 | 1433.5 | 1617.3 | 1948.3 | 2556.1 | 3685.0 | 4813.8 | 4801.4  | 4060.2  |
| 47.5° | 1193.2 | 1204.8 | 1292.4 | 1470.0 | 1784.7 | 2361.5 | 3550.8 | 5012.3 | 5213.1  | 4323.8  |
| 50°   | 1017.2 | 1027.3 | 1117.2 | 1300.2 | 1614.9 | 2154.5 | 3364.8 | 5168.1 | 5732.5  | 4723.1  |
| 52.5° | 808.6  | 819.5  | 907.1  | 1090.1 | 1413.4 | 1932.0 | 3119.8 | 5269.7 | 6332.6  | 5306.1  |
| 55°   | 601.6  | 609.4  | 685.4  | 849.7  | 1163.7 | 1678.5 | 2812.8 | 5298.3 | 7013.3  | 6103.1  |
| 57.5° | 436.5  | 441.1  | 490.0  | 612.5  | 882.3  | 1361.4 | 2439.8 | 5223.9 | 7823.5  | 7124.9  |
| 60°   | 353.5  | 355.1  | 369.8  | 424.1  | 613.3  | 1003.2 | 1989.4 | 4968.1 | 8702.6  | 8442.1  |
| 62.5° | 321.0  | 321.0  | 324.8  | 339.6  | 414.8  | 662.1  | 1444.4 | 4437.8 | 9645.4  | 10106.7 |
| 65°   | 298.5  | 298.5  | 300.0  | 307.0  | 327.2  | 421.8  | 911.7  | 3574.1 | 10440.1 | 12056.5 |
| 67.5° | 278.3  | 279.1  | 278.3  | 280.7  | 292.3  | 311.7  | 528.7  | 2468.5 | 10868.0 | 14077.0 |
| 70°   | 257.4  | 258.9  | 255.1  | 255.1  | 264.4  | 265.1  | 331.0  | 1353.7 | 10512.9 | 15770.2 |
| 72.5° | 232.6  | 234.9  | 228.7  | 227.2  | 234.1  | 231.0  | 248.9  | 649.7  | 9025.9  | 16275.7 |
| 75°   | 210.9  | 214.0  | 200.0  | 196.1  | 196.1  | 193.8  | 202.4  | 333.4  | 5858.1  | 13276.9 |
| 77.5° | 191.5  | 197.7  | 175.2  | 162.8  | 159.7  | 152.7  | 165.1  | 203.9  | 2562.3  | 6233.3  |
| 80°   | 158.2  | 166.7  | 144.2  | 129.5  | 124.0  | 116.3  | 130.2  | 142.7  | 762.1   | 1447.5  |
| 82.5° | 117.8  | 121.7  | 102.3  | 92.3   | 87.6   | 82.2   | 97.7   | 99.2   | 248.1   | 512.5   |
| 85°   | 75.2   | 76.8   | 62.8   | 54.3   | 51.9   | 49.6   | 62.0   | 54.3   | 94.6    | 376.8   |
| 87.5° | 26.4   | 30.2   | 24.0   | 21.7   | 23.3   | 19.4   | 28.7   | 16.3   | 26.4    | 265.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

(END C

90°

2725.9  
2727.5  
2745.3  
2763.9  
2770.9  
2777.1  
2792.6  
2826.7  
2878.7  
2934.5  
3002.7  
3084.1  
3144.6  
3212.0  
3324.4  
3476.4  
3705.1  
3846.2  
3928.4  
4171.8  
4532.3  
5071.2  
5809.3  
6755.1  
7976.2  
9482.6  
11267.3  
13224.9  
15546.1  
16864.9  
14201.0  
6103.9  
1386.2  
579.1  
547.4  
329.5  
0.0