

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: P949052

Luminaire Tested: **GLAN-SB3D-935-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949052  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3D-935-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22257 lumens  
Efficiency: N/A  
Efficacy: 102.0 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): 218.1  
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

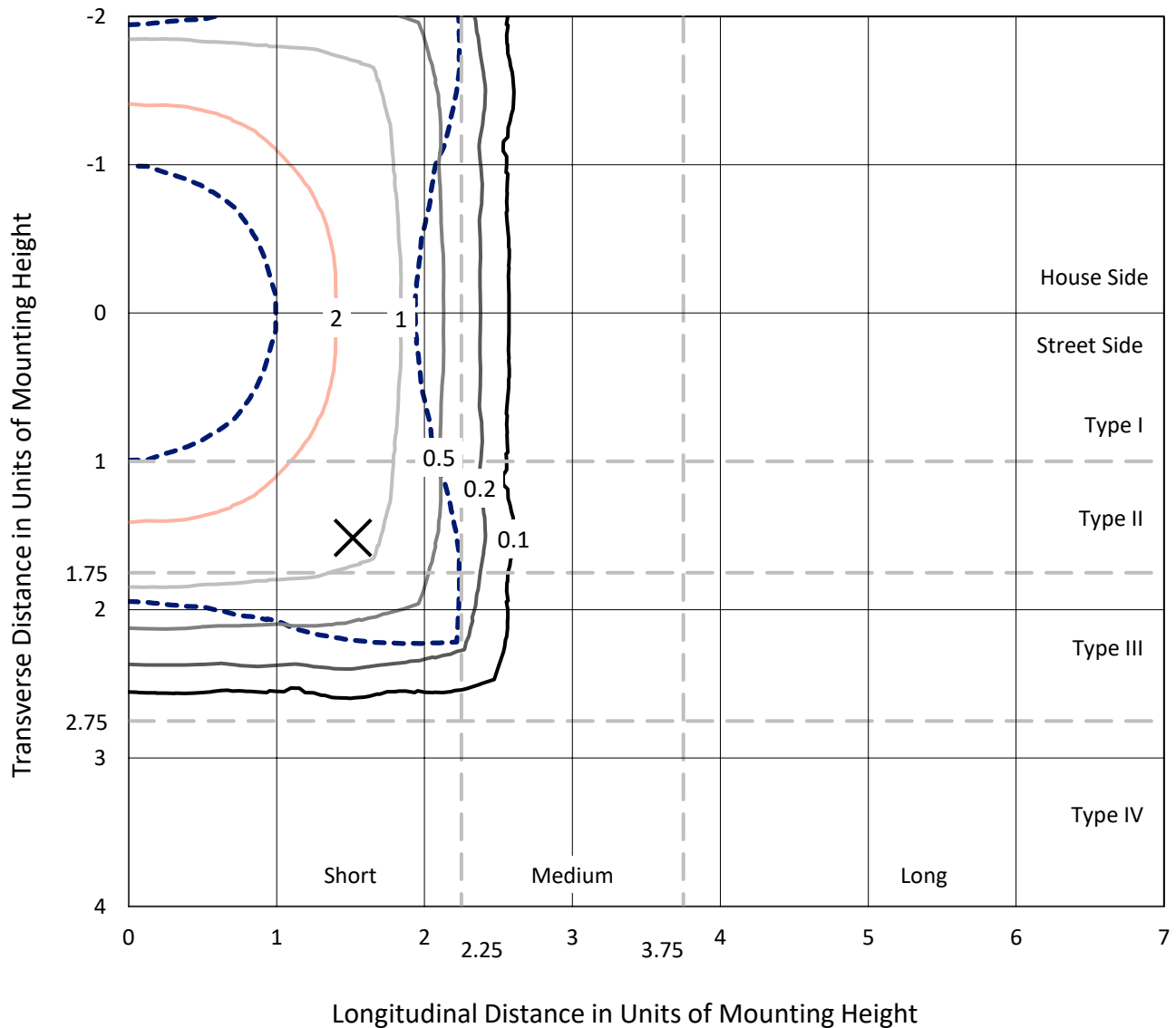


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## Iso-Footcandle Lines of Horizontal Illumination

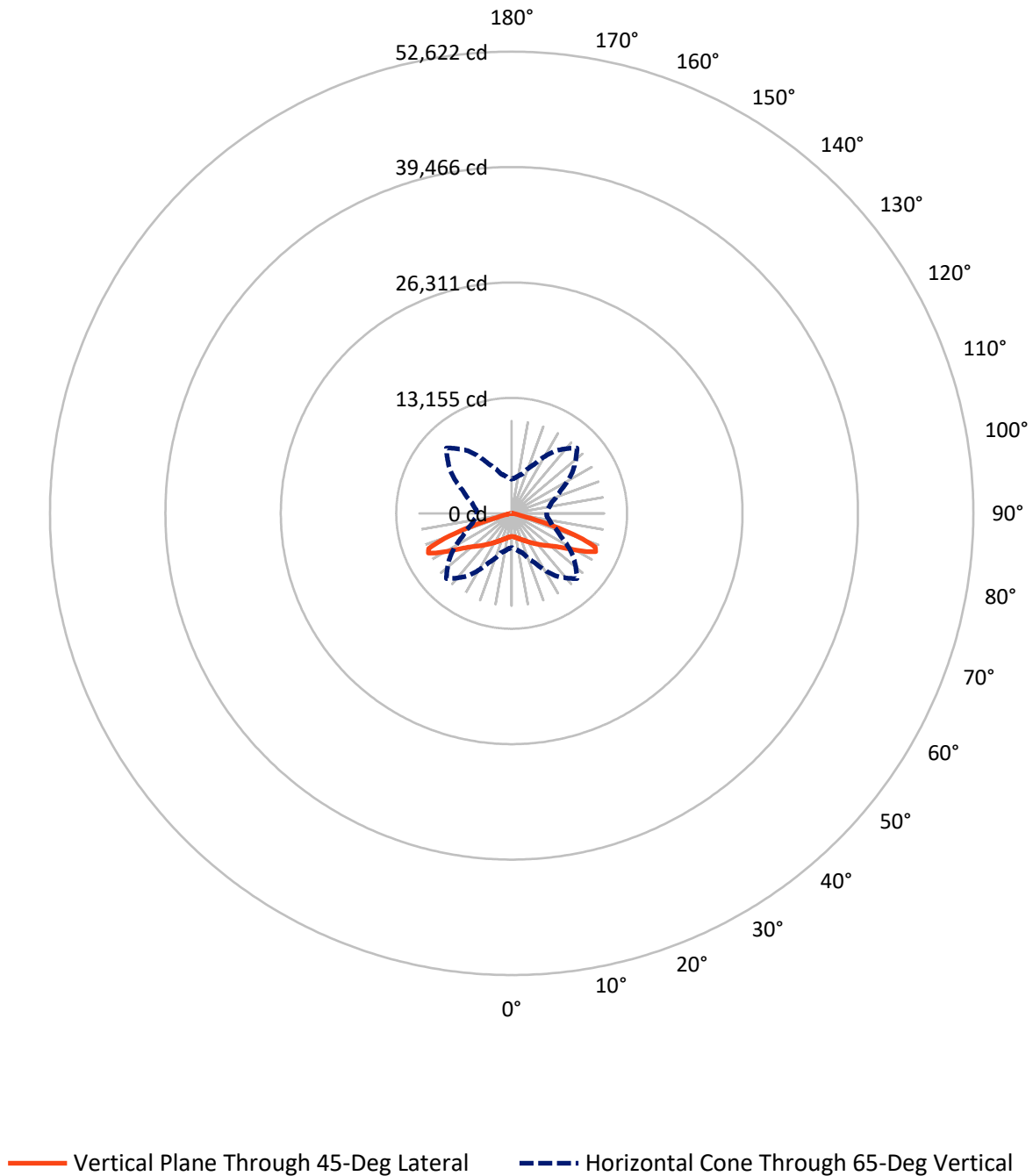
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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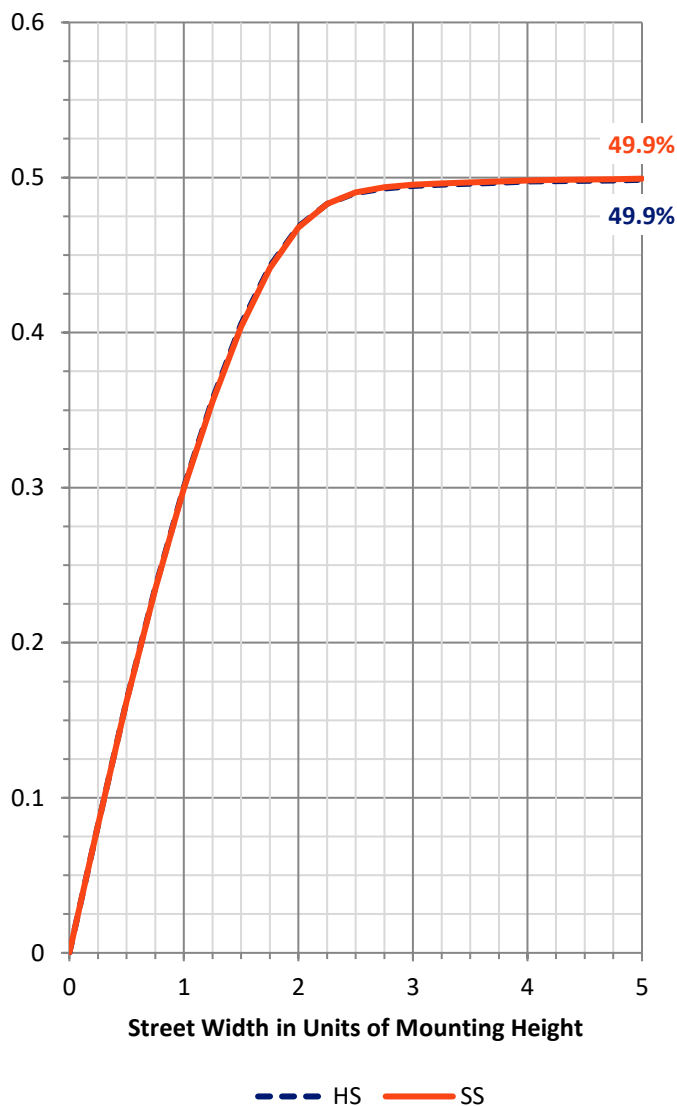
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 11128.5  | 0.0    | 11128.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 11128.5  | 0.0    | 11128.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 22257.0  | 0.0    | 22257.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 261.4   | 1.2       |
| 10°-20°   | 853.0   | 3.8       |
| 20°-30°   | 1610.6  | 7.2       |
| 30°-40°   | 2637.3  | 11.8      |
| 40°-50°   | 4089.1  | 18.4      |
| 50°-60°   | 6040.4  | 27.1      |
| 60°-70°   | 5749.9  | 25.8      |
| 70°-80°   | 927.8   | 4.2       |
| 80°-90°   | 87.5    | 0.4       |
| 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°    | 22257.0 | 100.0     |
| 0°-180°   | 22257.0 | 100.0     |

**Coefficient of Utilization**



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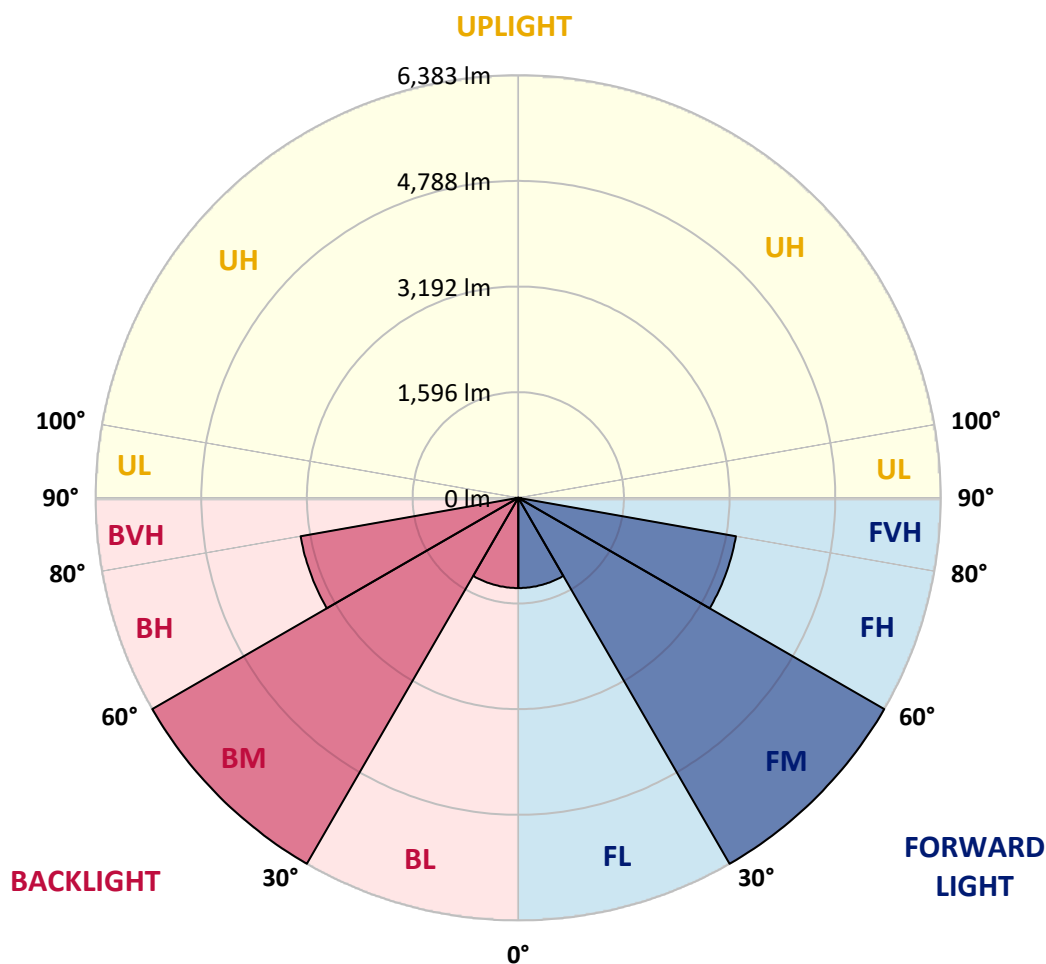
CATALOG NUMBER: GLAN-SB3D-935-U-5NQ

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1362.5 | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 6383.4 | 28.7      |                         |      |         |
| FH   | (60°-80°)   | 3338.9 | 15.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 43.7   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1362.5 | 6.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 6383.4 | 28.7      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3338.9 | 15.0      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 43.7   | 0.2       |                         |      | 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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CATALOG NUMBER: GLAN-SB3D-935-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°     | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| 0°    | 2648.8 | 2648.8 | 2648.8 | 2648.8 | 2648.8 | 2648.8  | 2648.8 | 2648.8 | 2648.8 | 2648.8 |
| 2.5°  | 2666.7 | 2657.7 | 2664.4 | 2658.9 | 2654.4 | 2649.9  | 2652.2 | 2660.0 | 2663.3 | 2664.4 |
| 5°    | 2702.4 | 2694.6 | 2697.9 | 2697.9 | 2690.1 | 2687.9  | 2689.0 | 2694.6 | 2701.3 | 2701.3 |
| 7.5°  | 2760.5 | 2752.7 | 2760.5 | 2756.0 | 2749.3 | 2747.1  | 2746.0 | 2750.4 | 2760.5 | 2760.5 |
| 10°   | 2830.8 | 2821.9 | 2826.4 | 2824.1 | 2816.3 | 2813.0  | 2811.8 | 2818.5 | 2827.5 | 2826.4 |
| 12.5° | 2907.9 | 2897.8 | 2903.4 | 2896.7 | 2894.5 | 2891.1  | 2891.1 | 2890.0 | 2895.6 | 2891.1 |
| 15°   | 2993.9 | 2987.2 | 2989.4 | 2984.9 | 2988.3 | 2986.0  | 2977.1 | 2972.6 | 2974.9 | 2968.2 |
| 17.5° | 3095.5 | 3079.9 | 3087.7 | 3085.4 | 3085.4 | 3089.9  | 3075.4 | 3069.8 | 3074.3 | 3067.6 |
| 20°   | 3212.7 | 3197.1 | 3200.5 | 3196.0 | 3190.4 | 3194.9  | 3177.0 | 3181.5 | 3184.8 | 3180.4 |
| 22.5° | 3341.2 | 3321.1 | 3319.9 | 3322.2 | 3309.9 | 3311.0  | 3298.7 | 3309.9 | 3316.6 | 3304.3 |
| 25°   | 3472.9 | 3451.7 | 3466.2 | 3460.6 | 3445.0 | 3448.4  | 3439.4 | 3450.6 | 3456.2 | 3440.5 |
| 27.5° | 3612.5 | 3598.0 | 3611.4 | 3614.7 | 3595.8 | 3609.2  | 3595.8 | 3605.8 | 3611.4 | 3587.9 |
| 30°   | 3775.6 | 3761.0 | 3773.3 | 3782.3 | 3759.9 | 3781.1  | 3770.0 | 3776.7 | 3777.8 | 3749.9 |
| 32.5° | 3953.1 | 3930.8 | 3962.0 | 3966.5 | 3941.9 | 3967.6  | 3953.1 | 3962.0 | 3967.6 | 3929.7 |
| 35°   | 4169.7 | 4141.8 | 4177.6 | 4172.0 | 4150.8 | 4172.0  | 4158.6 | 4172.0 | 4185.4 | 4139.6 |
| 37.5° | 4403.1 | 4374.1 | 4412.1 | 4402.0 | 4381.9 | 4396.4  | 4388.6 | 4397.6 | 4418.8 | 4369.6 |
| 40°   | 4660.0 | 4624.2 | 4675.6 | 4657.7 | 4638.8 | 4636.5  | 4641.0 | 4646.6 | 4674.5 | 4619.8 |
| 42.5° | 4934.7 | 4896.7 | 4973.8 | 4945.9 | 4919.1 | 4901.2  | 4915.7 | 4926.9 | 4953.7 | 4892.3 |
| 45°   | 5248.5 | 5204.9 | 5305.4 | 5271.9 | 5229.5 | 5192.6  | 5216.1 | 5232.8 | 5271.9 | 5198.2 |
| 47.5° | 5594.7 | 5545.5 | 5652.7 | 5642.7 | 5573.4 | 5493.0  | 5546.6 | 5594.7 | 5623.7 | 5534.4 |
| 50°   | 5933.0 | 5895.0 | 6035.7 | 6048.0 | 5963.2 | 5850.4  | 5925.2 | 5997.8 | 6005.6 | 5888.3 |
| 52.5° | 6250.2 | 6212.2 | 6416.5 | 6493.6 | 6417.7 | 6283.7  | 6362.9 | 6436.6 | 6377.5 | 6225.6 |
| 55°   | 6503.6 | 6472.4 | 6732.6 | 6931.3 | 6957.0 | 6846.5  | 6893.4 | 6891.1 | 6696.8 | 6463.4 |
| 57.5° | 6565.1 | 6560.6 | 6888.9 | 7309.9 | 7577.9 | 7591.3  | 7498.6 | 7261.9 | 6843.1 | 6529.3 |
| 60°   | 6285.9 | 6313.8 | 6765.0 | 7507.6 | 8222.2 | 8519.3  | 8118.4 | 7442.8 | 6676.7 | 6241.2 |
| 62.5° | 5450.6 | 5524.3 | 6068.1 | 7266.3 | 8742.6 | 9586.8  | 8615.3 | 7168.1 | 5993.3 | 5424.9 |
| 65°   | 3906.2 | 4034.6 | 4635.4 | 6201.0 | 8695.7 | 10524.9 | 8543.8 | 6150.8 | 4680.1 | 4024.6 |
| 67.5° | 1772.2 | 1902.9 | 2413.2 | 4245.7 | 7558.9 | 10270.3 | 7541.1 | 4290.4 | 2533.8 | 1909.6 |
| 70°   | 642.1  | 664.4  | 828.6  | 1699.6 | 4830.8 | 8183.2  | 5037.4 | 1711.9 | 881.1  | 708.0  |
| 72.5° | 388.6  | 392.0  | 426.6  | 608.6  | 1678.4 | 4968.2  | 1749.9 | 628.7  | 435.5  | 386.4  |
| 75°   | 246.8  | 244.6  | 303.7  | 371.9  | 595.2  | 1676.2  | 624.2  | 371.9  | 302.6  | 275.8  |
| 77.5° | 177.6  | 183.1  | 217.8  | 278.1  | 375.2  | 568.4   | 368.5  | 265.8  | 217.8  | 178.7  |
| 80°   | 132.9  | 136.2  | 158.6  | 216.6  | 263.5  | 354.0   | 234.5  | 196.5  | 164.2  | 111.7  |
| 82.5° | 96.0   | 96.0   | 103.9  | 157.5  | 160.8  | 191.0   | 127.3  | 138.5  | 108.3  | 79.3   |
| 85°   | 57.0   | 55.8   | 64.8   | 93.8   | 83.8   | 70.4    | 58.1   | 84.9   | 68.1   | 49.1   |
| 87.5° | 20.1   | 21.2   | 20.1   | 26.8   | 22.3   | 19.0    | 17.9   | 23.5   | 19.0   | 16.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 2648.8 |
| 2664.4 |
| 2701.3 |
| 2757.1 |
| 2824.1 |
| 2893.4 |
| 2969.3 |
| 3073.2 |
| 3190.4 |
| 3316.6 |
| 3458.4 |
| 3605.8 |
| 3766.6 |
| 3955.3 |
| 4167.5 |
| 4399.8 |
| 4637.6 |
| 4924.6 |
| 5236.2 |
| 5564.5 |
| 5902.9 |
| 6230.1 |
| 6471.3 |
| 6509.2 |
| 6189.9 |
| 5391.4 |
| 3976.6 |
| 1881.6 |
| 699.1  |
| 393.1  |
| 278.1  |
| 182.0  |
| 115.0  |
| 79.3   |
| 48.0   |
| 15.6   |
| 0.0    |