

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: P947648

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947648  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2D-940-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15185 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4

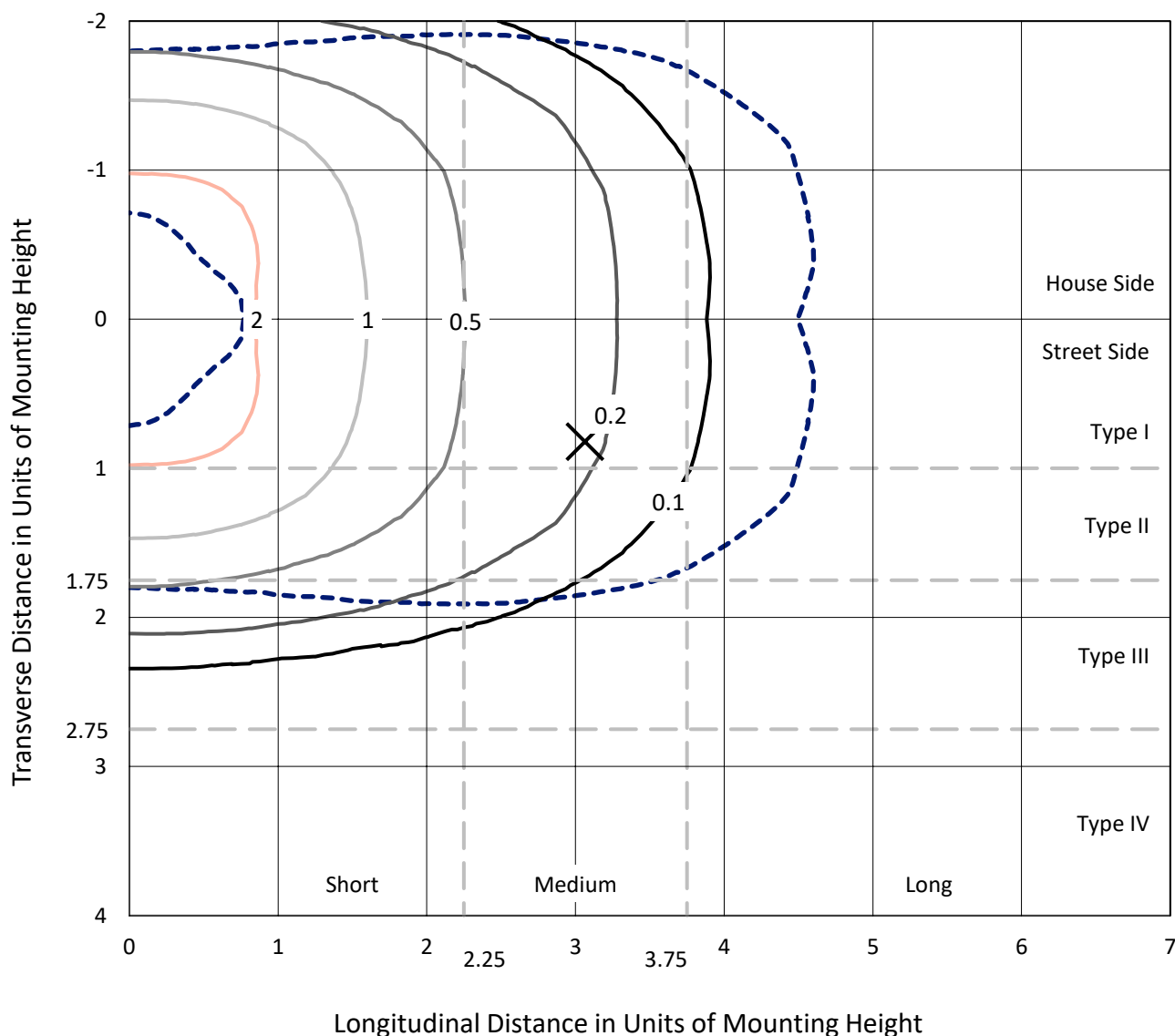
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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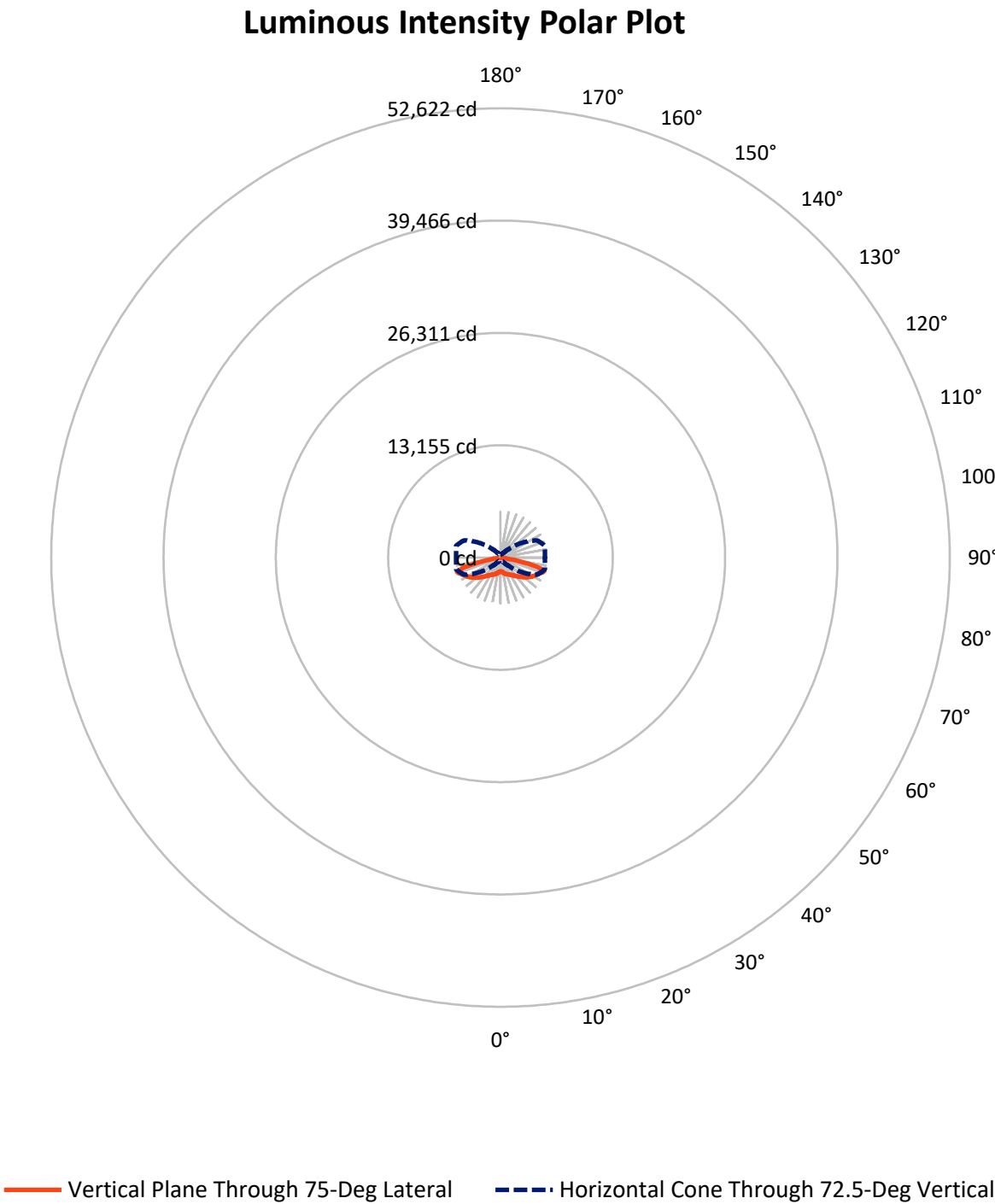
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type III - Medium - N/A

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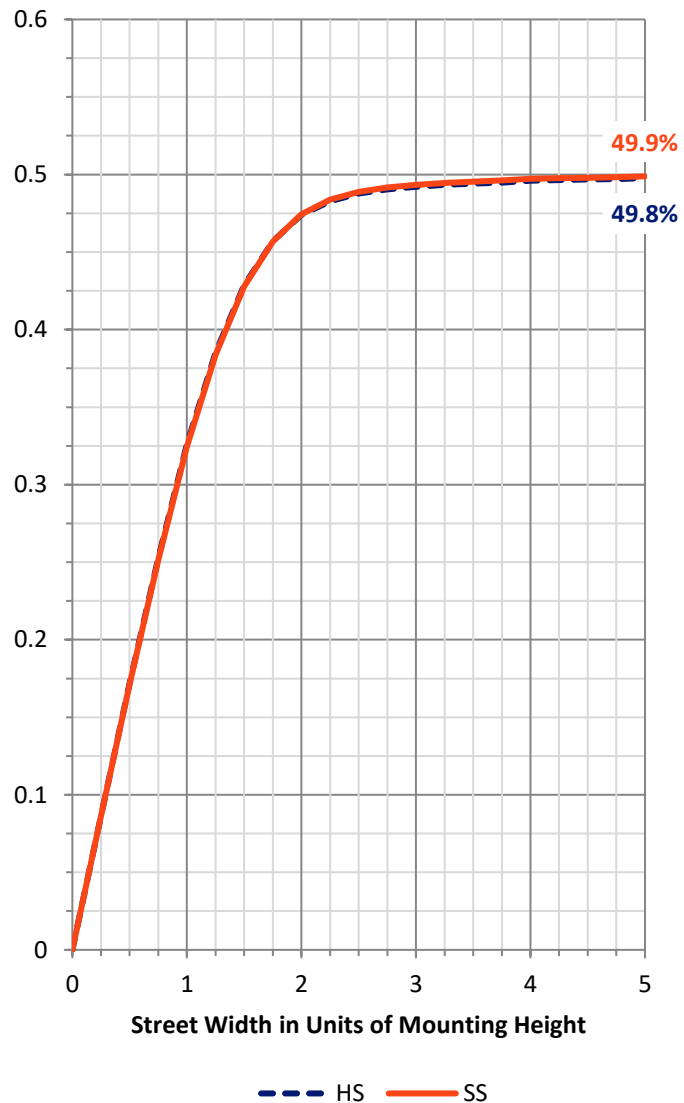
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7592.5   | 0.0    | 7592.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 7592.5   | 0.0    | 7592.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 15185.0  | 0.0    | 15185.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 159.3   | 1.0       |
| 10°-20°   | 525.5   | 3.5       |
| 20°-30°   | 1015.5  | 6.7       |
| 30°-40°   | 1714.7  | 11.3      |
| 40°-50°   | 2719.3  | 17.9      |
| 50°-60°   | 3640.8  | 24.0      |
| 60°-70°   | 3464.9  | 22.8      |
| 70°-80°   | 1808.0  | 11.9      |
| 80°-90°   | 136.9   | 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°    | 15185.0 | 100.0     |
| 0°-180°   | 15185.0 | 100.0     |

**Coefficient of Utilization**



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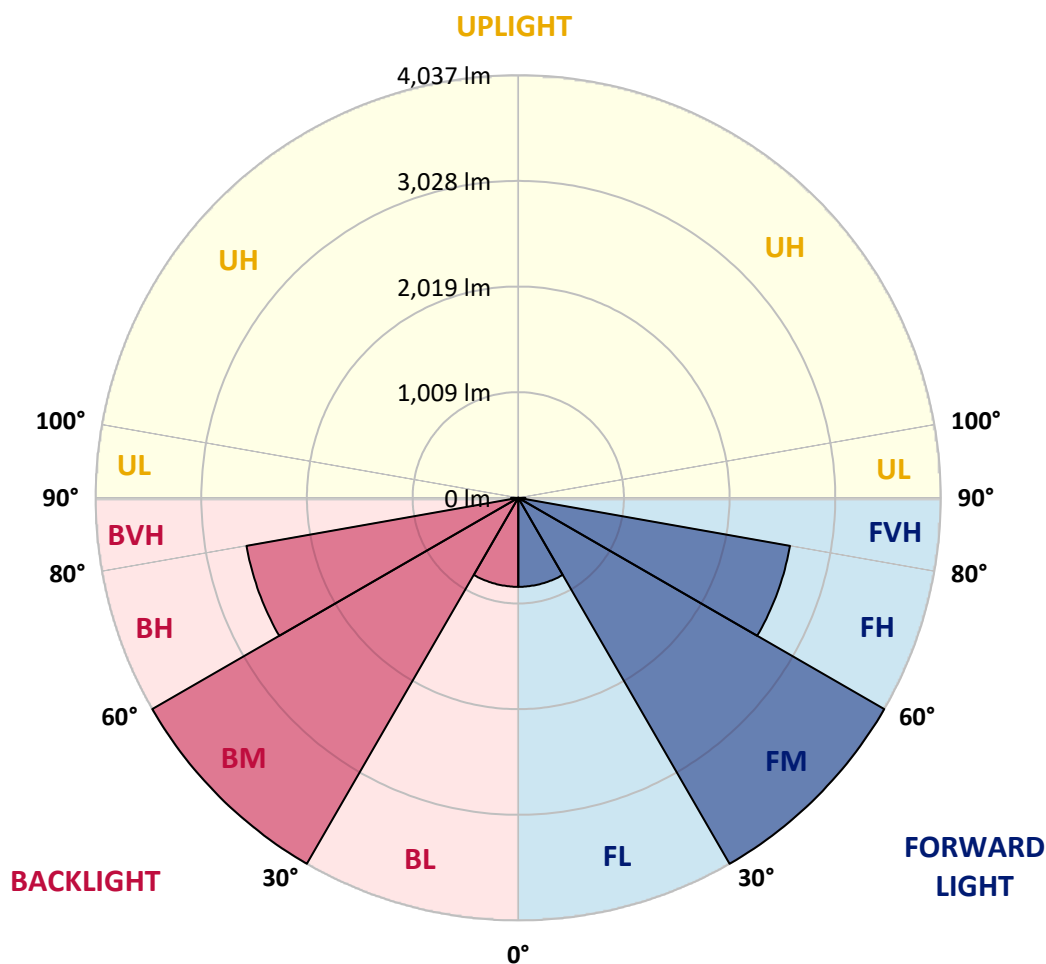
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 850.2  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 4037.4 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 2636.5 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 68.4   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 850.2  | 5.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 4037.4 | 26.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2636.5 | 17.4      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 68.4   | 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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 |
| 2.5°  | 1626.6 | 1625.0 | 1626.6 | 1628.1 | 1627.4 | 1627.4 | 1631.2 | 1633.6 | 1638.2 | 1637.4 |
| 5°    | 1615.7 | 1615.0 | 1621.2 | 1628.1 | 1633.6 | 1642.9 | 1654.5 | 1663.0 | 1673.9 | 1676.2 |
| 7.5°  | 1610.3 | 1608.0 | 1618.8 | 1631.2 | 1648.3 | 1671.6 | 1694.0 | 1717.3 | 1735.9 | 1742.1 |
| 10°   | 1614.2 | 1615.0 | 1629.7 | 1652.9 | 1680.1 | 1712.6 | 1744.4 | 1784.0 | 1810.3 | 1816.5 |
| 12.5° | 1632.0 | 1630.5 | 1655.3 | 1692.5 | 1729.7 | 1770.8 | 1808.0 | 1851.4 | 1880.1 | 1894.8 |
| 15°   | 1664.6 | 1661.5 | 1696.4 | 1751.4 | 1805.7 | 1853.7 | 1884.0 | 1925.1 | 1958.4 | 1977.0 |
| 17.5° | 1703.3 | 1704.9 | 1750.6 | 1822.0 | 1893.3 | 1947.6 | 1976.2 | 1997.2 | 2022.8 | 2039.0 |
| 20°   | 1771.6 | 1774.7 | 1825.8 | 1910.3 | 1991.8 | 2053.8 | 2077.0 | 2069.3 | 2076.3 | 2088.7 |
| 22.5° | 1863.1 | 1864.6 | 1922.0 | 2013.5 | 2098.7 | 2167.0 | 2182.5 | 2150.7 | 2131.3 | 2139.8 |
| 25°   | 1969.3 | 1979.3 | 2036.7 | 2130.5 | 2218.1 | 2283.3 | 2290.2 | 2242.2 | 2194.1 | 2196.4 |
| 27.5° | 2098.7 | 2108.0 | 2166.2 | 2259.2 | 2348.4 | 2405.0 | 2404.2 | 2339.9 | 2269.3 | 2251.5 |
| 30°   | 2239.1 | 2249.2 | 2308.9 | 2405.0 | 2487.9 | 2537.6 | 2526.7 | 2450.0 | 2349.2 | 2315.8 |
| 32.5° | 2405.8 | 2412.0 | 2472.4 | 2568.6 | 2645.3 | 2684.9 | 2662.4 | 2567.8 | 2442.2 | 2404.2 |
| 35°   | 2607.3 | 2616.6 | 2661.6 | 2752.3 | 2819.8 | 2852.3 | 2814.3 | 2702.7 | 2561.6 | 2519.0 |
| 37.5° | 2837.6 | 2831.4 | 2882.6 | 2963.2 | 3019.0 | 3039.2 | 2987.2 | 2854.7 | 2698.1 | 2647.7 |
| 40°   | 3078.0 | 3074.9 | 3130.7 | 3208.2 | 3238.4 | 3250.8 | 3174.1 | 3029.1 | 2855.4 | 2801.2 |
| 42.5° | 3295.8 | 3293.5 | 3368.7 | 3454.7 | 3491.2 | 3477.2 | 3380.3 | 3214.4 | 3037.6 | 2975.6 |
| 45°   | 3470.3 | 3467.2 | 3559.4 | 3680.4 | 3751.7 | 3728.4 | 3598.2 | 3419.1 | 3222.2 | 3157.8 |
| 47.5° | 3604.4 | 3605.9 | 3705.2 | 3854.8 | 3979.6 | 3988.2 | 3820.7 | 3627.6 | 3425.3 | 3352.4 |
| 50°   | 3701.3 | 3705.9 | 3812.2 | 3978.1 | 4148.6 | 4223.8 | 4047.9 | 3841.6 | 3635.4 | 3553.2 |
| 52.5° | 3725.3 | 3733.9 | 3861.8 | 4056.4 | 4257.2 | 4400.6 | 4278.9 | 4047.1 | 3834.6 | 3756.3 |
| 55°   | 3597.4 | 3614.5 | 3776.5 | 4050.2 | 4323.9 | 4516.9 | 4482.0 | 4255.6 | 4035.5 | 3954.8 |
| 57.5° | 3303.6 | 3327.6 | 3516.8 | 3874.2 | 4309.1 | 4596.8 | 4639.4 | 4455.7 | 4236.3 | 4158.7 |
| 60°   | 2891.9 | 2920.6 | 3102.0 | 3492.0 | 4101.4 | 4626.2 | 4750.3 | 4650.3 | 4420.8 | 4345.6 |
| 62.5° | 2270.9 | 2308.1 | 2525.2 | 2982.6 | 3662.5 | 4489.0 | 4844.9 | 4826.3 | 4586.7 | 4492.9 |
| 65°   | 1456.8 | 1496.3 | 1725.0 | 2265.4 | 3077.2 | 4068.8 | 4874.3 | 4997.6 | 4761.9 | 4630.9 |
| 67.5° | 878.4  | 896.3  | 1009.4 | 1373.1 | 2249.2 | 3435.4 | 4624.7 | 5187.6 | 4966.6 | 4803.8 |
| 70°   | 562.1  | 572.2  | 639.6  | 806.3  | 1271.5 | 2506.6 | 4006.0 | 5223.2 | 5214.7 | 4981.3 |
| 72.5° | 381.4  | 384.6  | 402.4  | 477.6  | 719.5  | 1424.2 | 2954.7 | 4728.6 | 5369.7 | 5210.0 |
| 75°   | 279.1  | 296.2  | 324.9  | 338.0  | 408.6  | 711.7  | 1693.3 | 3322.2 | 4525.4 | 4595.2 |
| 77.5° | 207.8  | 208.6  | 248.1  | 263.6  | 291.5  | 379.1  | 716.4  | 1854.5 | 2809.7 | 2950.0 |
| 80°   | 176.0  | 166.7  | 165.9  | 212.4  | 219.4  | 236.5  | 320.2  | 640.4  | 1006.3 | 610.2  |
| 82.5° | 146.5  | 136.5  | 123.3  | 165.9  | 149.6  | 145.0  | 138.8  | 260.5  | 320.2  | 157.4  |
| 85°   | 102.3  | 97.7   | 93.0   | 108.5  | 85.3   | 72.9   | 66.7   | 121.7  | 134.9  | 66.7   |
| 87.5° | 44.2   | 45.7   | 46.5   | 48.1   | 35.7   | 25.6   | 25.6   | 34.1   | 34.1   | 26.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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| 90°    |
|--------|
| 1626.6 |
| 1636.7 |
| 1676.2 |
| 1743.7 |
| 1822.7 |
| 1901.0 |
| 1984.0 |
| 2046.8 |
| 2098.0 |
| 2146.0 |
| 2200.3 |
| 2256.9 |
| 2319.7 |
| 2413.5 |
| 2525.2 |
| 2657.0 |
| 2819.0 |
| 2991.1 |
| 3172.5 |
| 3374.1 |
| 3578.0 |
| 3776.5 |
| 3977.3 |
| 4176.6 |
| 4361.9 |
| 4503.7 |
| 4647.2 |
| 4816.2 |
| 4979.8 |
| 5185.2 |
| 4426.2 |
| 2631.4 |
| 461.3  |
| 134.1  |
| 58.9   |
| 19.4   |
| 0.0    |

OF REPORT)