

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: P511085

Luminaire Tested: **USSL-P-PA1A-730-U-5WQ**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511085  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-P-PA1A-730-U-5WQ  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4095 lumens  
Efficiency: N/A  
Efficacy: 133.4 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

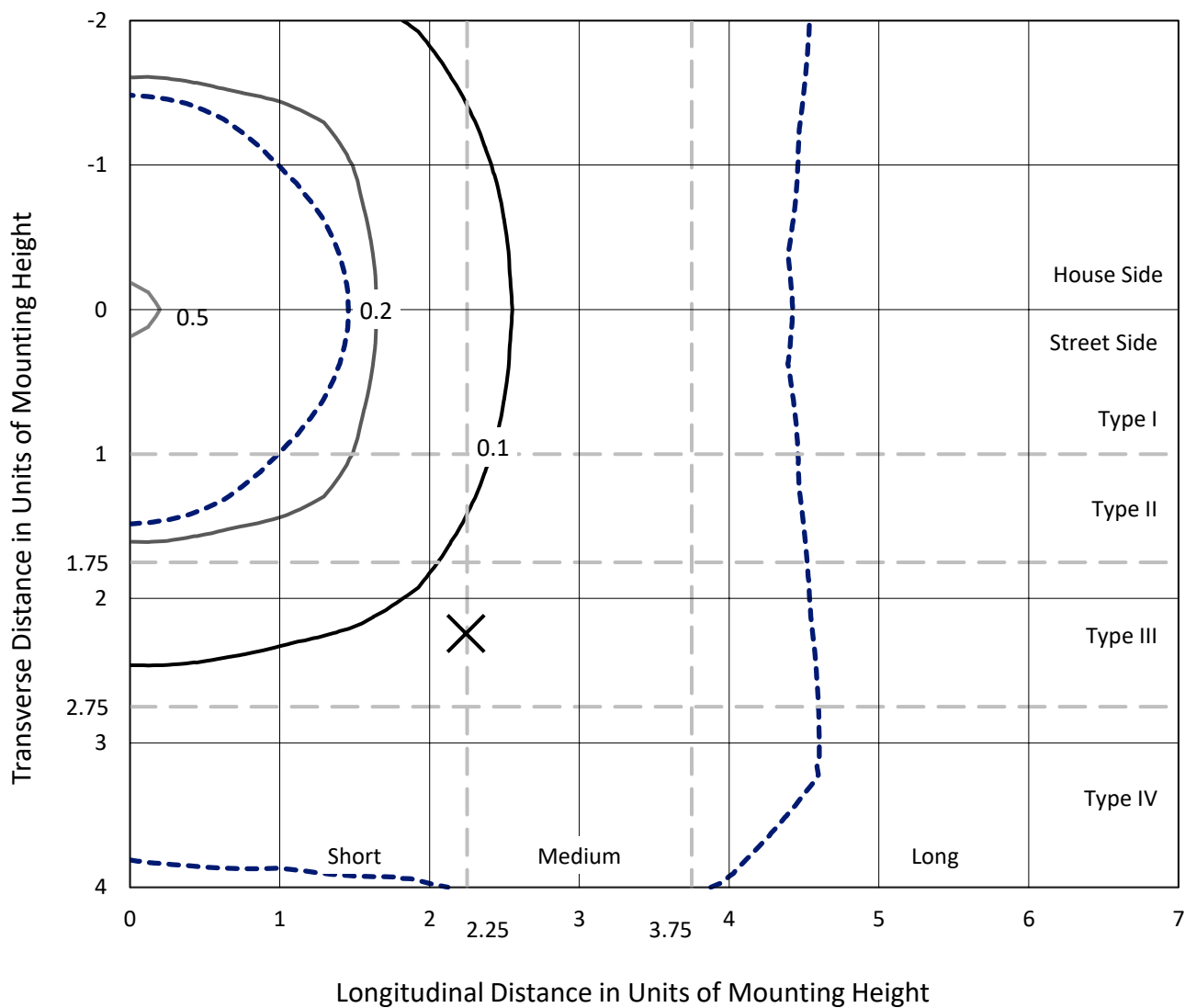
Input Watts (W): 30.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

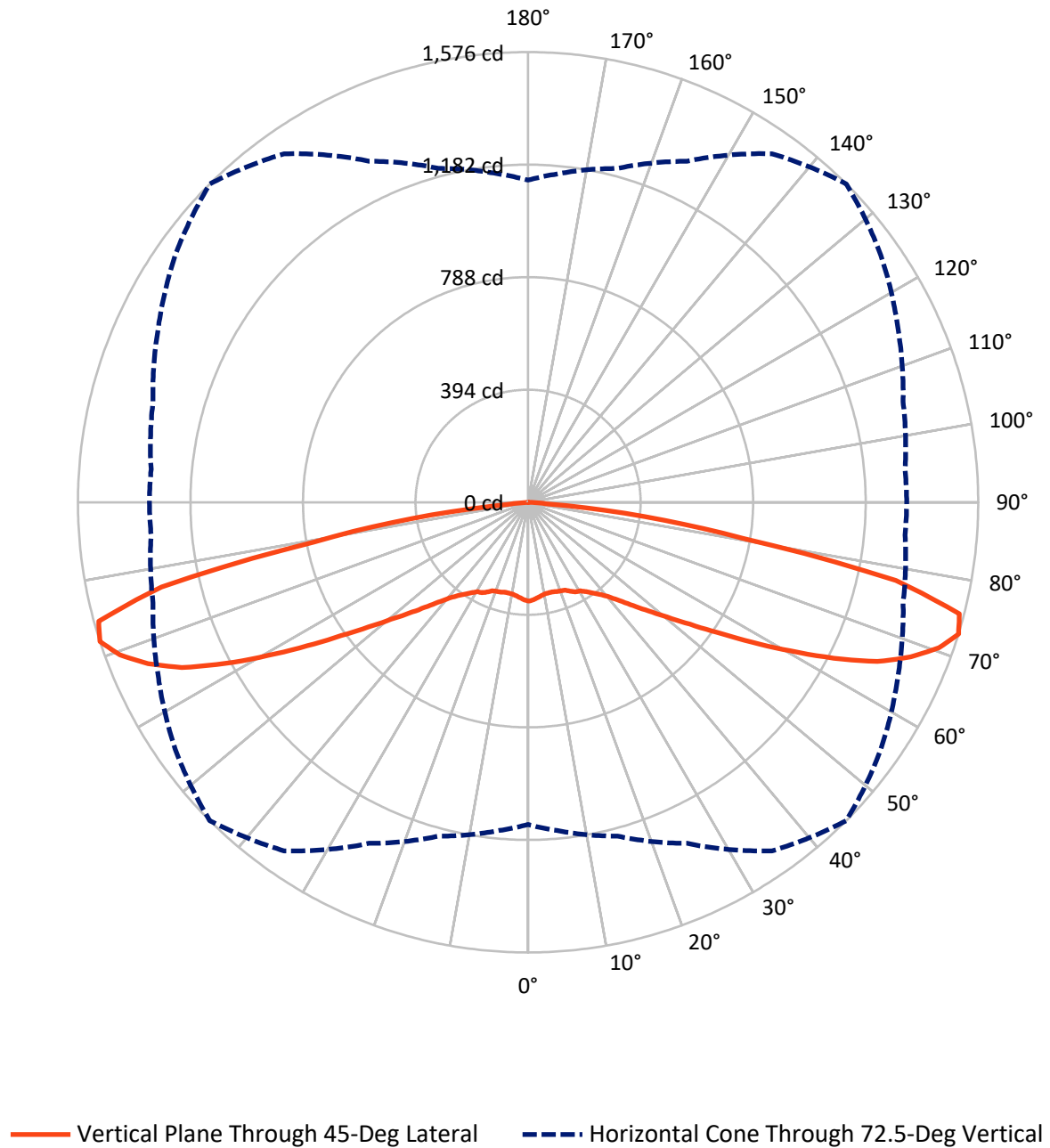
× Max cd  
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type V - Short - N/A

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CATALOG NUMBER: USSL-P-PA1A-730-U-5WQ

## Luminous Intensity Polar Plot



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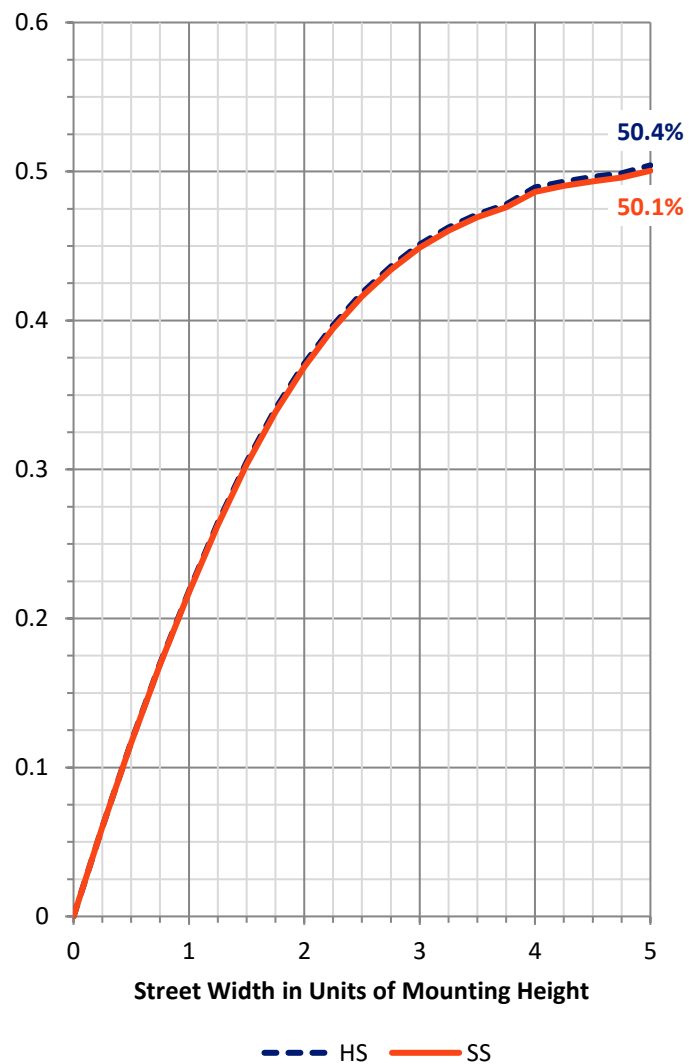
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2047.5   | 0.0    | 2047.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2047.5   | 0.0    | 2047.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 4095.0   | 0.0    | 4095.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 31.8   | 0.8       |
| 10°-20°   | 93.3   | 2.3       |
| 20°-30°   | 159.7  | 3.9       |
| 30°-40°   | 246.1  | 6.0       |
| 40°-50°   | 407.4  | 9.9       |
| 50°-60°   | 708.9  | 17.3      |
| 60°-70°   | 1179.8 | 28.8      |
| 70°-80°   | 1157.4 | 28.3      |
| 80°-90°   | 110.6  | 2.7       |
| 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°    | 4095.0 | 100.0     |
| 0°-180°   | 4095.0 | 100.0     |

**Coefficient of Utilization**



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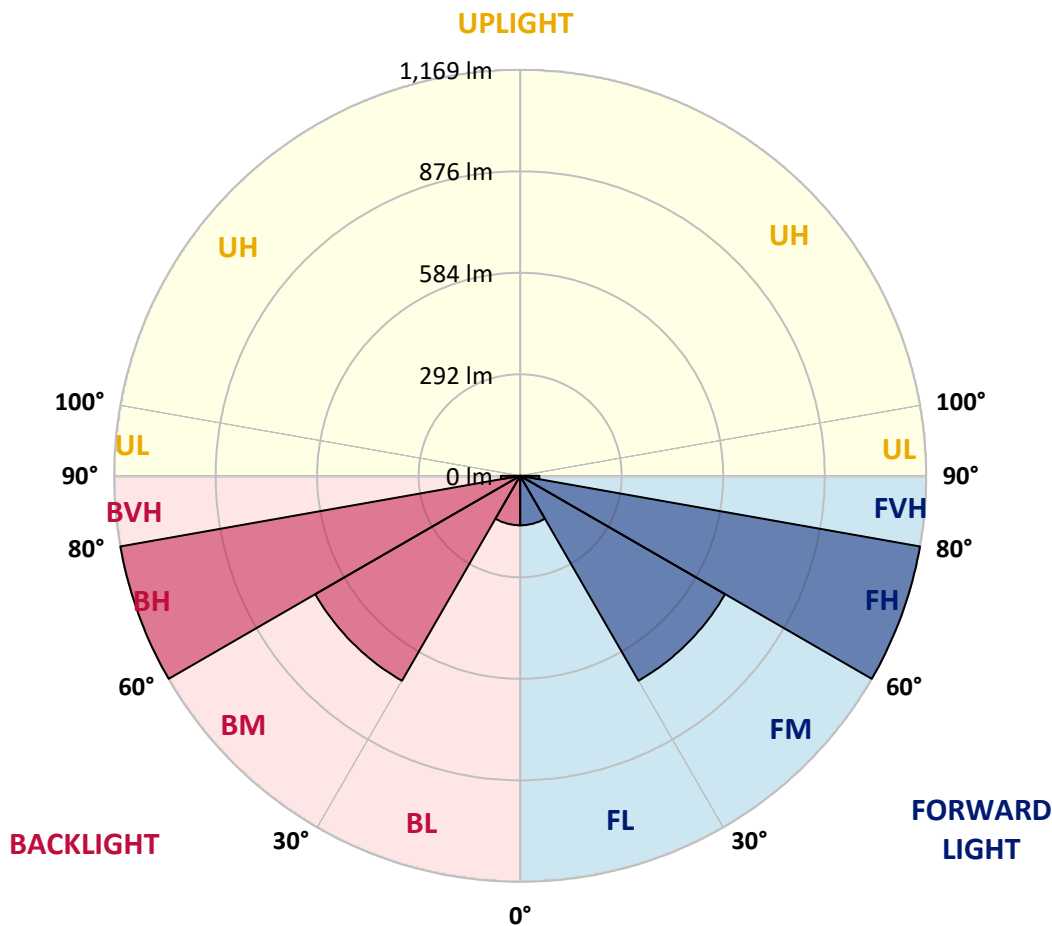
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 142.4  | 3.5       |                         |      |         |
| FM   | (30°-60°)   | 681.2  | 16.6      |                         |      |         |
| FH   | (60°-80°)   | 1168.6 | 28.5      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 55.3   | 1.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 142.4  | 3.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 681.2  | 16.6      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 1168.6 | 28.5      | B3/2500                 |      | G1/1800 |
| BVH  | (80°-90°)   | 55.3   | 1.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 346.1  | 346.1  | 346.1  | 346.1  | 346.1  | 346.1  | 346.1  | 346.1  | 346.1  | 346.1  | 346.1  |
| 2.5°  | 342.4  | 343.3  | 341.5  | 341.5  | 342.4  | 342.4  | 341.5  | 343.3  | 343.3  | 345.2  | 343.3  |
| 5°    | 335.1  | 336.1  | 335.1  | 335.1  | 335.1  | 336.1  | 336.1  | 337.0  | 337.0  | 337.9  | 338.8  |
| 7.5°  | 329.7  | 330.6  | 329.7  | 328.8  | 329.7  | 330.6  | 331.5  | 332.4  | 332.4  | 333.3  | 332.4  |
| 10°   | 328.8  | 329.7  | 327.9  | 326.0  | 325.1  | 326.0  | 325.1  | 328.8  | 330.6  | 331.5  | 332.4  |
| 12.5° | 330.6  | 331.5  | 329.7  | 326.0  | 324.2  | 325.1  | 325.1  | 326.9  | 330.6  | 332.4  | 333.3  |
| 15°   | 331.5  | 332.4  | 328.8  | 325.1  | 325.1  | 325.1  | 325.1  | 326.0  | 329.7  | 331.5  | 332.4  |
| 17.5° | 334.2  | 335.1  | 332.4  | 327.9  | 327.9  | 328.8  | 326.9  | 327.9  | 328.8  | 333.3  | 333.3  |
| 20°   | 337.0  | 338.8  | 333.3  | 331.5  | 331.5  | 330.6  | 329.7  | 330.6  | 332.4  | 337.0  | 335.1  |
| 22.5° | 344.2  | 343.3  | 339.7  | 337.9  | 336.1  | 334.2  | 333.3  | 335.1  | 337.0  | 340.6  | 339.7  |
| 25°   | 348.8  | 348.8  | 346.1  | 344.2  | 347.0  | 345.2  | 343.3  | 342.4  | 342.4  | 345.2  | 345.2  |
| 27.5° | 351.5  | 350.6  | 348.8  | 348.8  | 351.5  | 355.2  | 351.5  | 347.9  | 346.1  | 347.9  | 347.0  |
| 30°   | 358.8  | 359.7  | 356.1  | 356.1  | 357.9  | 359.7  | 357.9  | 355.2  | 353.4  | 357.0  | 357.9  |
| 32.5° | 371.6  | 372.5  | 368.8  | 367.0  | 367.9  | 373.4  | 368.8  | 365.2  | 367.0  | 370.7  | 369.7  |
| 35°   | 391.6  | 390.7  | 386.1  | 381.6  | 383.4  | 389.8  | 384.3  | 383.4  | 386.1  | 389.8  | 391.6  |
| 37.5° | 412.6  | 413.5  | 408.9  | 402.5  | 401.6  | 408.9  | 406.2  | 406.2  | 409.8  | 415.3  | 414.4  |
| 40°   | 445.3  | 444.4  | 439.9  | 428.9  | 429.9  | 434.4  | 435.3  | 437.1  | 443.5  | 446.2  | 445.3  |
| 42.5° | 480.9  | 480.9  | 474.5  | 465.4  | 466.3  | 470.8  | 471.7  | 472.7  | 477.2  | 485.4  | 482.7  |
| 45°   | 529.1  | 527.3  | 520.0  | 510.9  | 510.0  | 515.5  | 516.4  | 516.4  | 522.7  | 528.2  | 526.4  |
| 47.5° | 574.7  | 575.6  | 569.2  | 561.9  | 562.8  | 568.3  | 569.2  | 566.5  | 570.1  | 575.6  | 578.3  |
| 50°   | 627.5  | 627.5  | 625.7  | 617.5  | 624.7  | 631.1  | 629.3  | 628.4  | 632.0  | 632.9  | 630.2  |
| 52.5° | 686.7  | 690.3  | 687.6  | 685.8  | 697.6  | 709.4  | 707.6  | 695.8  | 694.0  | 696.7  | 694.0  |
| 55°   | 759.5  | 758.6  | 761.4  | 767.7  | 788.7  | 803.2  | 796.0  | 781.4  | 775.0  | 769.6  | 771.4  |
| 57.5° | 830.6  | 836.0  | 840.6  | 856.1  | 892.5  | 922.6  | 908.0  | 877.9  | 859.7  | 848.8  | 849.7  |
| 60°   | 901.6  | 908.9  | 921.6  | 952.6  | 1016.4 | 1057.3 | 1043.7 | 989.9  | 958.1  | 941.7  | 937.1  |
| 62.5° | 986.3  | 989.9  | 1003.6 | 1045.5 | 1137.5 | 1202.1 | 1170.3 | 1096.5 | 1054.6 | 1036.4 | 1028.2 |
| 65°   | 1076.5 | 1081.0 | 1099.2 | 1143.9 | 1265.0 | 1344.2 | 1294.1 | 1212.2 | 1158.4 | 1133.8 | 1125.6 |
| 67.5° | 1158.4 | 1170.3 | 1188.5 | 1244.9 | 1377.9 | 1445.3 | 1392.5 | 1317.8 | 1271.4 | 1237.7 | 1241.3 |
| 70°   | 1237.7 | 1242.2 | 1267.7 | 1318.7 | 1458.0 | 1526.4 | 1465.3 | 1414.3 | 1366.1 | 1331.5 | 1342.4 |
| 72.5° | 1128.4 | 1153.9 | 1210.3 | 1317.8 | 1489.9 | 1576.4 | 1508.1 | 1429.8 | 1359.7 | 1325.1 | 1326.0 |
| 75°   | 817.8  | 841.5  | 900.7  | 1041.9 | 1376.1 | 1560.0 | 1464.4 | 1320.5 | 1202.1 | 1155.7 | 1148.4 |
| 77.5° | 561.0  | 556.4  | 610.2  | 724.0  | 961.7  | 1316.9 | 1266.8 | 1022.7 | 845.1  | 741.3  | 750.4  |
| 80°   | 153.0  | 162.1  | 235.9  | 396.2  | 636.6  | 761.4  | 768.6  | 540.1  | 337.0  | 247.7  | 245.0  |
| 82.5° | 35.5   | 38.2   | 56.5   | 97.4   | 235.9  | 411.6  | 243.2  | 127.5  | 87.4   | 58.3   | 42.8   |
| 85°   | 7.3    | 7.3    | 9.1    | 17.3   | 49.2   | 62.8   | 41.0   | 30.1   | 29.1   | 15.5   | 14.6   |
| 87.5° | 0.9    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 0.9    | 0.9    | 0.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)