

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: P526455

Luminaire Tested: **GLAN-SA1B-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526455  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1B-830-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3143 lumens  
Efficiency: N/A  
Efficacy: 71.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

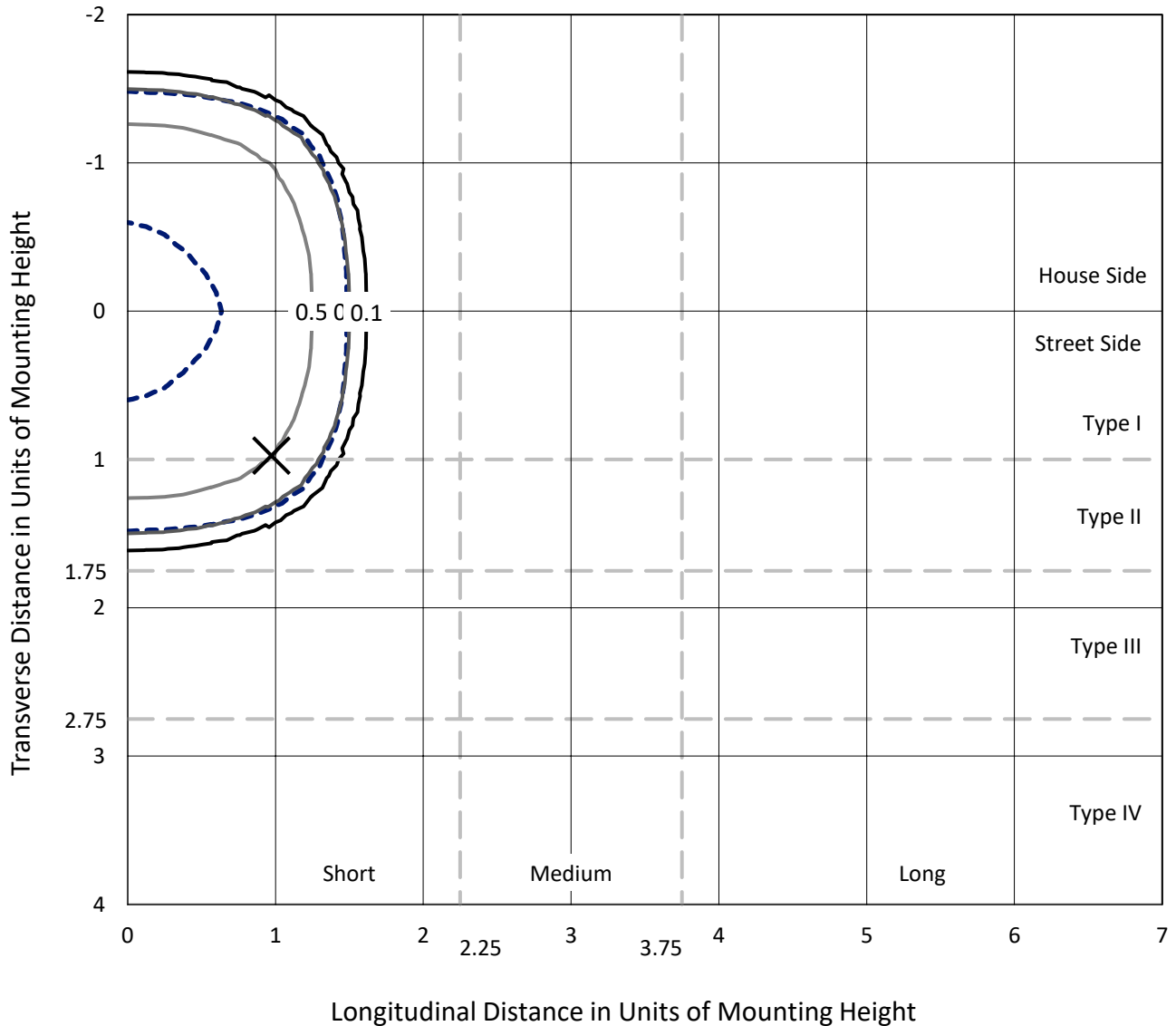
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

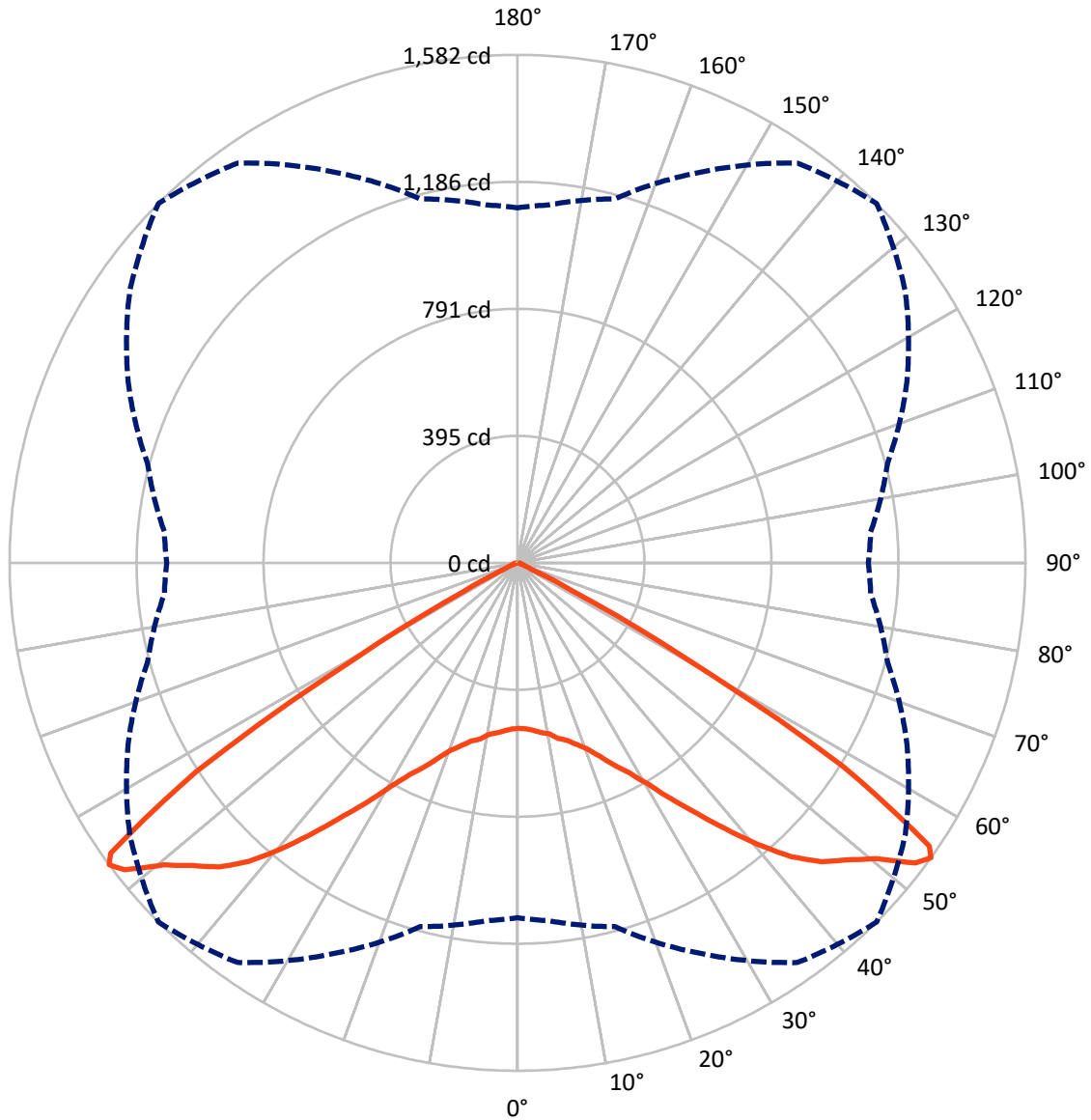
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

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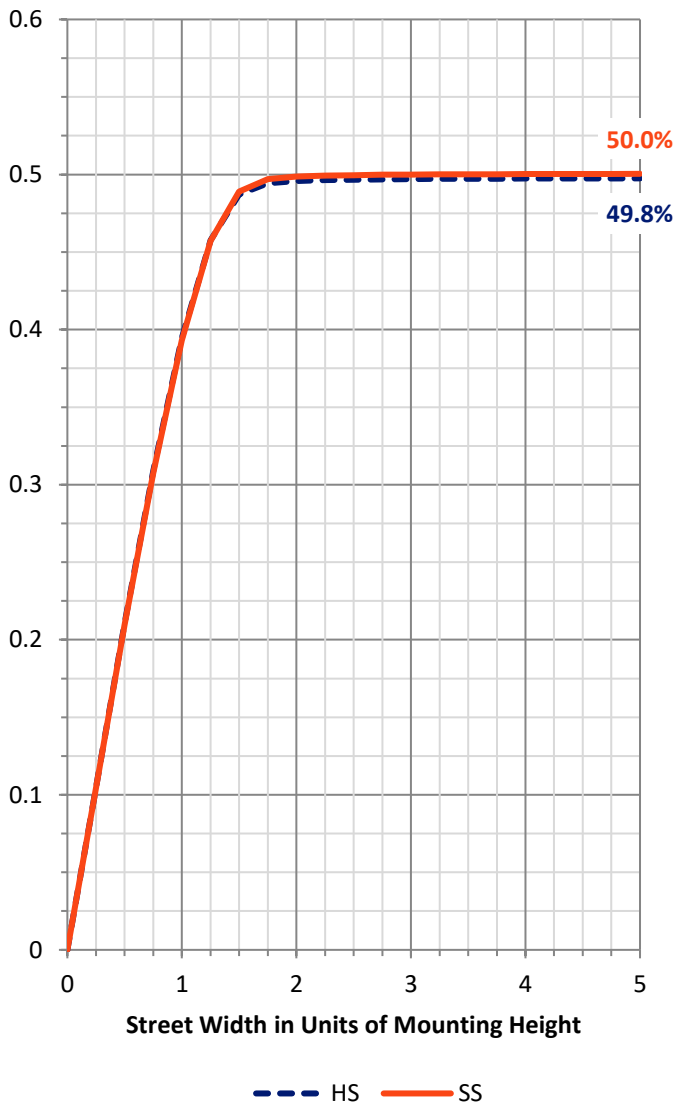
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1571.5   | 0.0    | 1571.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1571.5   | 0.0    | 1571.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 3143.0   | 0.0    | 3143.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 50.4   | 1.6       |
| 10°-20°   | 163.3  | 5.2       |
| 20°-30°   | 320.2  | 10.2      |
| 30°-40°   | 575.7  | 18.3      |
| 40°-50°   | 985.5  | 31.4      |
| 50°-60°   | 953.5  | 30.3      |
| 60°-70°   | 81.6   | 2.6       |
| 70°-80°   | 9.7    | 0.3       |
| 80°-90°   | 3.0    | 0.1       |
| 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°    | 3143.0 | 100.0     |
| 0°-180°   | 3143.0 | 100.0     |

**Coefficient of Utilization**

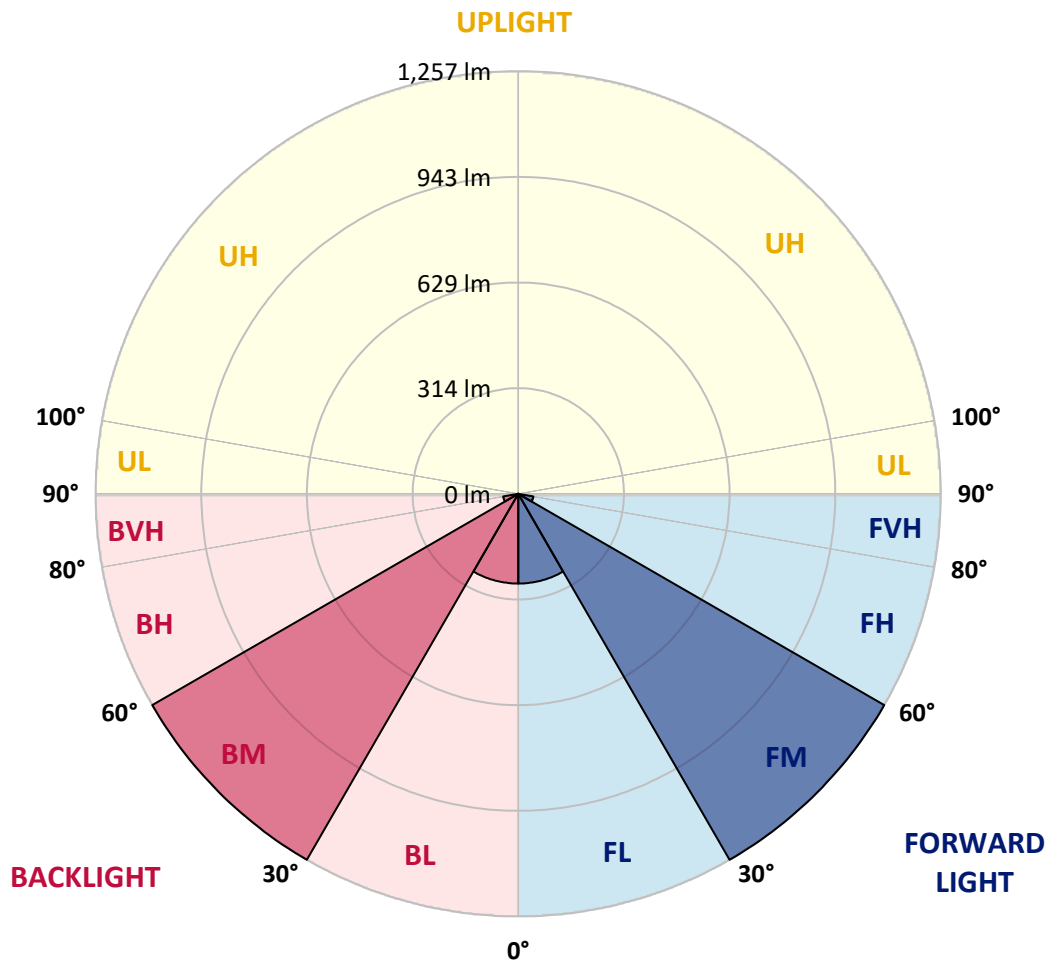


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 267.0  | 8.5       |                         |      |        |
| FM (30°-60°)   | 1257.4 | 40.0      |                         |      |        |
| FH (60°-80°)   | 45.7   | 1.5       |                         |      | G0/660 |
| FVH (80°-90°)  | 1.5    | 0.0       |                         |      | G0/10  |
| BL (0°-30°)    | 267.0  | 8.5       | B1/500                  |      |        |
| BM (30°-60°)   | 1257.4 | 40.0      | B2/2500                 |      |        |
| BH (60°-80°)   | 45.7   | 1.5       | B0/110                  |      | G0/660 |
| BVH (80°-90°)  | 1.5    | 0.0       |                         |      | G0/10  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B2-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 515.4  | 515.4  | 515.4  | 515.4  | 515.4  | 515.4  | 515.4  | 515.4  | 515.4  | 515.4  | 515.4  |
| 2.5°  | 517.8  | 520.8  | 518.8  | 520.3  | 520.3  | 517.8  | 519.3  | 513.4  | 517.3  | 514.4  | 514.9  |
| 5°    | 525.8  | 525.3  | 525.3  | 525.8  | 523.8  | 524.8  | 522.8  | 520.8  | 519.3  | 517.3  | 523.3  |
| 7.5°  | 535.8  | 535.8  | 532.3  | 533.3  | 532.3  | 533.8  | 529.8  | 525.8  | 524.3  | 522.8  | 521.8  |
| 10°   | 545.2  | 544.2  | 542.7  | 547.2  | 543.7  | 541.7  | 539.8  | 537.3  | 531.8  | 529.8  | 527.8  |
| 12.5° | 559.2  | 558.7  | 556.7  | 561.2  | 559.2  | 561.2  | 553.7  | 547.2  | 546.2  | 539.8  | 543.2  |
| 15°   | 575.6  | 580.1  | 576.6  | 576.6  | 575.6  | 573.1  | 570.1  | 567.1  | 558.2  | 555.7  | 556.2  |
| 17.5° | 597.0  | 595.5  | 596.0  | 596.0  | 601.0  | 594.5  | 588.5  | 581.1  | 576.6  | 575.1  | 570.1  |
| 20°   | 617.4  | 619.4  | 618.9  | 622.4  | 625.4  | 618.4  | 612.0  | 611.0  | 598.5  | 600.5  | 593.5  |
| 22.5° | 653.3  | 651.8  | 654.3  | 656.8  | 654.8  | 653.8  | 647.8  | 640.3  | 629.4  | 624.4  | 623.4  |
| 25°   | 691.1  | 688.6  | 684.2  | 690.1  | 693.1  | 697.6  | 686.1  | 682.2  | 665.2  | 657.8  | 658.3  |
| 27.5° | 723.5  | 727.0  | 732.0  | 734.4  | 741.9  | 740.4  | 732.5  | 719.5  | 706.6  | 698.1  | 692.6  |
| 30°   | 767.8  | 769.8  | 778.3  | 781.7  | 794.7  | 798.2  | 785.7  | 770.8  | 747.9  | 736.9  | 730.5  |
| 32.5° | 808.6  | 822.6  | 822.1  | 839.5  | 860.4  | 874.9  | 852.5  | 829.5  | 806.6  | 793.7  | 782.2  |
| 35°   | 874.9  | 872.4  | 886.8  | 905.2  | 939.1  | 955.5  | 931.1  | 904.7  | 869.9  | 849.0  | 840.0  |
| 37.5° | 936.6  | 937.6  | 957.0  | 986.4  | 1025.2 | 1050.6 | 1029.2 | 985.9  | 950.0  | 923.2  | 910.7  |
| 40°   | 1026.2 | 1028.2 | 1048.1 | 1081.5 | 1125.3 | 1152.7 | 1127.8 | 1084.0 | 1036.2 | 1015.3 | 1015.3 |
| 42.5° | 1131.3 | 1139.8 | 1152.7 | 1181.6 | 1220.9 | 1251.3 | 1228.9 | 1194.5 | 1146.2 | 1119.3 | 1123.3 |
| 45°   | 1239.3 | 1243.3 | 1251.8 | 1294.6 | 1313.0 | 1328.0 | 1307.1 | 1291.1 | 1258.8 | 1225.9 | 1220.4 |
| 47.5° | 1340.4 | 1341.9 | 1366.8 | 1380.3 | 1394.7 | 1382.2 | 1395.7 | 1374.8 | 1338.4 | 1306.6 | 1300.1 |
| 50°   | 1385.2 | 1382.7 | 1418.1 | 1458.9 | 1469.9 | 1448.0 | 1436.5 | 1422.6 | 1367.3 | 1329.0 | 1312.0 |
| 52.5° | 1254.8 | 1269.2 | 1334.9 | 1448.5 | 1534.1 | 1552.5 | 1485.8 | 1421.6 | 1318.5 | 1243.8 | 1232.4 |
| 54°   | 1105.4 | 1118.8 | 1173.1 | 1341.4 | 1519.7 | 1581.9 | 1474.4 | 1337.9 | 1192.5 | 1103.9 | 1092.5 |
| 55°   | 957.5  | 942.6  | 1041.2 | 1212.9 | 1452.0 | 1556.0 | 1429.0 | 1229.9 | 1063.6 | 982.4  | 966.5  |
| 57.5° | 518.3  | 520.8  | 604.0  | 766.3  | 1020.3 | 1193.0 | 1053.6 | 832.0  | 628.4  | 537.3  | 529.3  |
| 60°   | 164.3  | 168.3  | 204.6  | 309.7  | 487.5  | 582.1  | 498.9  | 334.1  | 231.0  | 185.2  | 177.8  |
| 62.5° | 51.3   | 53.3   | 58.3   | 86.6   | 133.4  | 190.7  | 149.4  | 89.6   | 66.7   | 61.2   | 62.2   |
| 65°   | 31.4   | 31.4   | 31.9   | 33.9   | 39.8   | 46.3   | 44.8   | 39.3   | 37.8   | 36.8   | 36.3   |
| 67.5° | 20.4   | 19.9   | 20.9   | 22.4   | 23.4   | 23.9   | 25.4   | 26.9   | 26.4   | 25.4   | 25.4   |
| 70°   | 12.4   | 12.0   | 12.9   | 14.9   | 15.4   | 16.4   | 17.9   | 19.9   | 19.4   | 18.4   | 18.9   |
| 72.5° | 7.0    | 7.0    | 7.5    | 9.0    | 10.5   | 11.5   | 12.9   | 14.4   | 14.9   | 14.4   | 14.4   |
| 75°   | 2.5    | 3.0    | 4.0    | 5.5    | 6.5    | 8.0    | 9.5    | 11.0   | 12.4   | 11.5   | 11.0   |
| 77.5° | 1.0    | 1.0    | 2.0    | 3.5    | 5.0    | 6.5    | 9.0    | 10.5   | 11.5   | 10.5   | 9.5    |
| 80°   | 0.5    | 0.5    | 1.5    | 3.0    | 4.5    | 6.0    | 7.5    | 9.0    | 9.5    | 8.5    | 7.5    |
| 82.5° | 0.5    | 0.5    | 1.5    | 3.0    | 4.5    | 5.5    | 8.0    | 9.0    | 10.0   | 9.0    | 7.5    |
| 85°   | 0.0    | 0.5    | 1.5    | 3.0    | 4.0    | 4.5    | 4.5    | 3.0    | 2.5    | 1.5    | 1.5    |
| 87.5° | 0.0    | 0.0    | 0.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)