

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: P526457

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1B-830-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2387 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

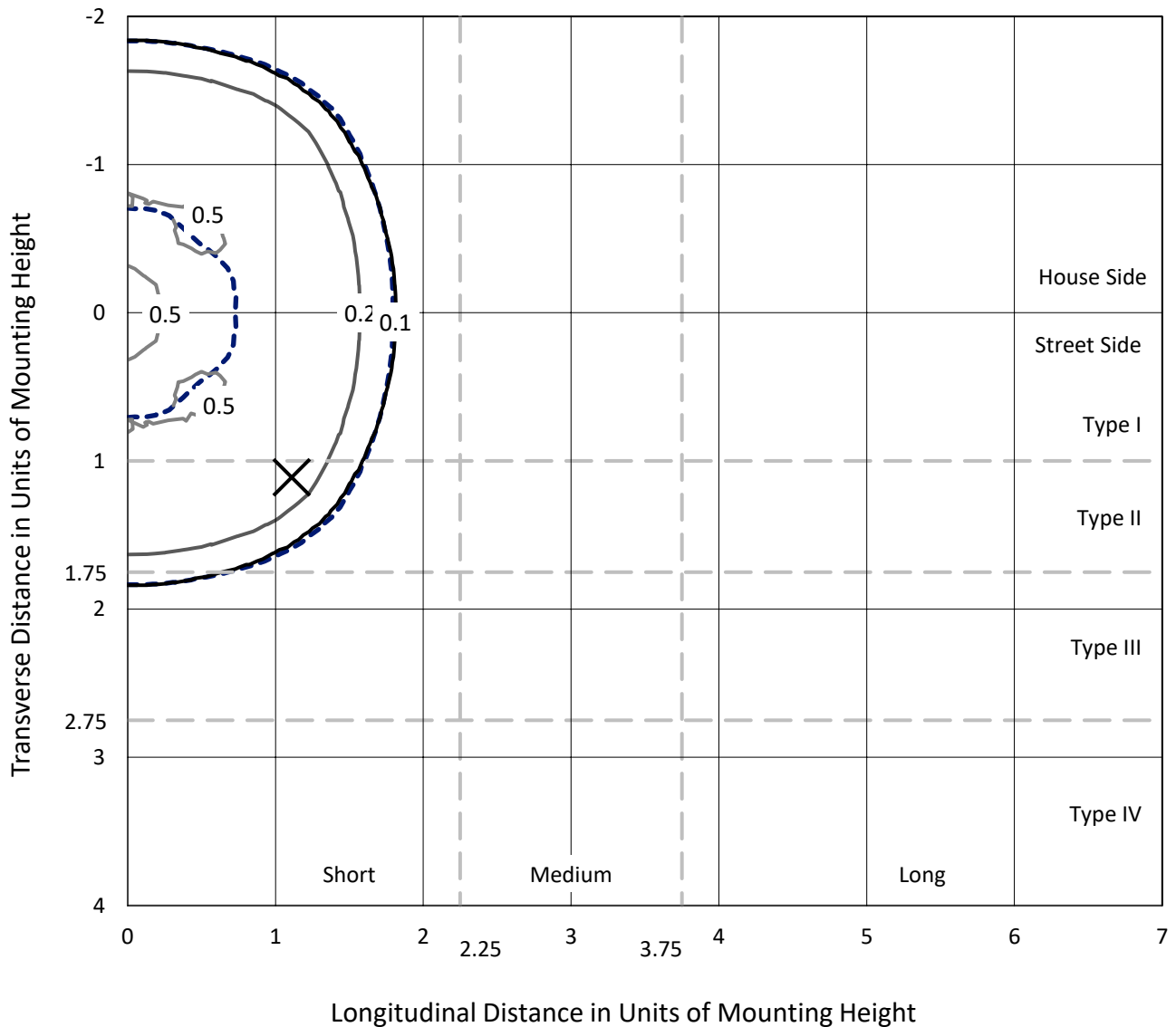
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526457
 CATALOG NUMBER: GLAN-SA1B-830-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

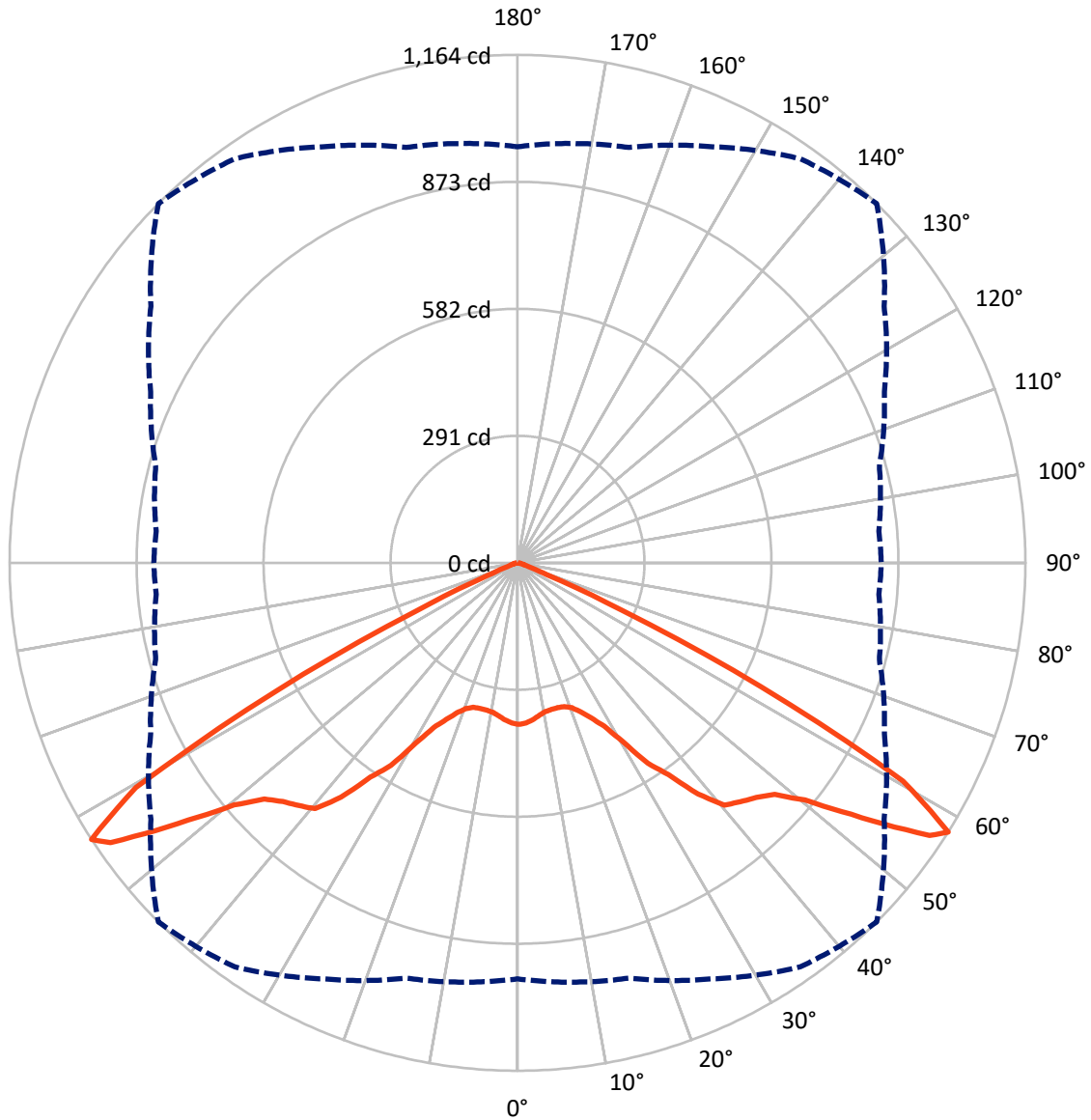
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P526457
CATALOG NUMBER: GLAN-SA1B-830-U-5WQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P526457
 CATALOG NUMBER: GLAN-SA1B-830-U-5WQ-GRSBK

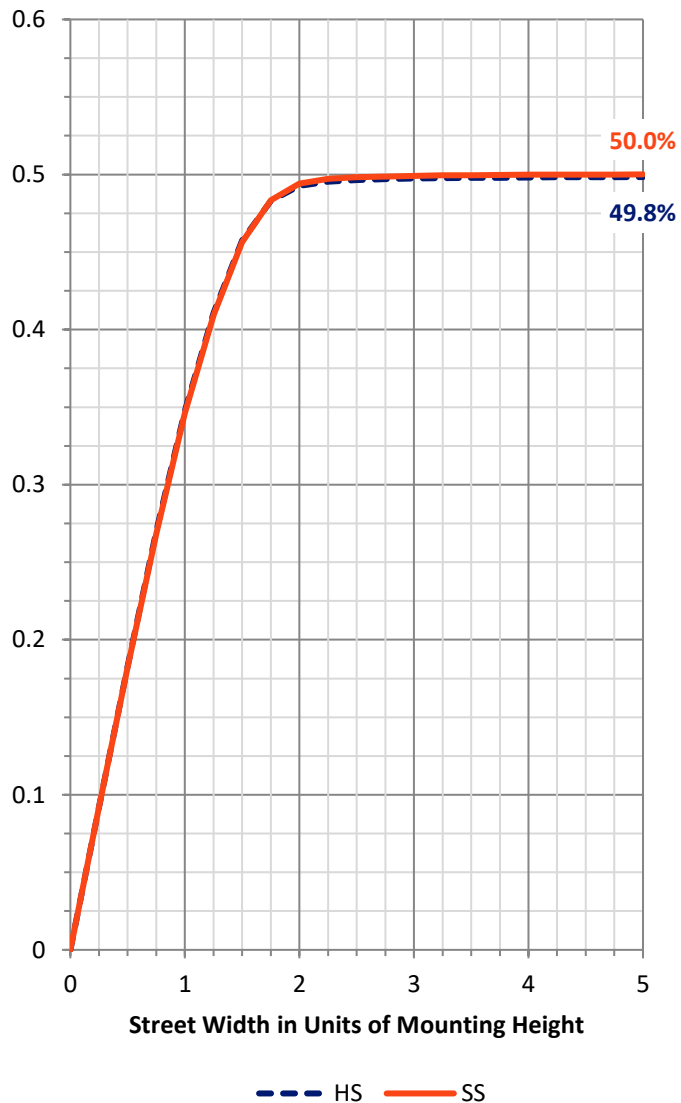
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1193.5 | 0.0 | 1193.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1193.5 | 0.0 | 1193.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 2387.0 | 0.0 | 2387.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 34.0 | 1.4 |
| 10°-20° | 98.3 | 4.1 |
| 20°-30° | 181.5 | 7.6 |
| 30°-40° | 357.0 | 15.0 |
| 40°-50° | 581.5 | 24.4 |
| 50°-60° | 829.2 | 34.7 |
| 60°-70° | 287.1 | 12.0 |
| 70°-80° | 15.4 | 0.6 |
| 80°-90° | 2.9 | 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° | 2387.0 | 100.0 |
| 0°-180° | 2387.0 | 100.0 |

Coefficient of Utilization

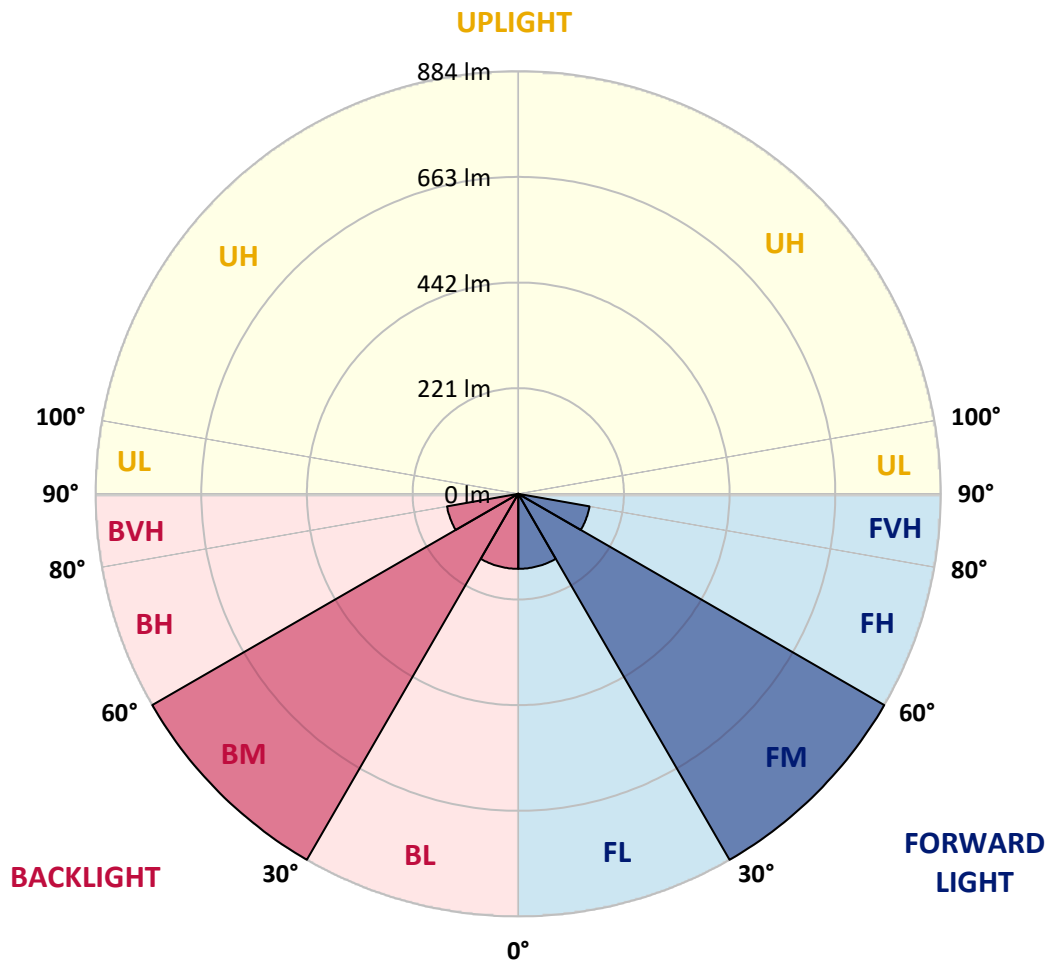


REPORT NUMBER: P526457
 CATALOG NUMBER: GLAN-SA1B-830-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 157.0 | 6.6 | | | |
| FM (30°-60°) | 883.9 | 37.0 | | | |
| FH (60°-80°) | 151.3 | 6.3 | | | G0/660 |
| FVH (80°-90°) | 1.5 | 0.1 | | | G0/10 |
| BL (0°-30°) | 157.0 | 6.6 | B1/500 | | |
| BM (30°-60°) | 883.9 | 37.0 | B1/1000 | | |
| BH (60°-80°) | 151.3 | 6.3 | B1/500 | | G0/660 |
| BVH (80°-90°) | 1.5 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G0
 Type V Short





REPORT NUMBER: P526457

CATALOG NUMBER: GLAN-SA1B-830-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0° | 370.2 | 370.2 | 370.2 | 370.2 | 370.2 | 370.2 | 370.2 | 370.2 | 370.2 | 370.2 | 370.2 |
| 2.5° | 369.3 | 371.2 | 368.8 | 367.8 | 367.3 | 367.3 | 365.8 | 365.8 | 365.3 | 365.8 | 363.8 |
| 5° | 363.3 | 365.3 | 365.3 | 364.8 | 361.8 | 361.3 | 359.8 | 358.8 | 359.3 | 357.3 | 358.8 |
| 7.5° | 357.3 | 358.8 | 356.8 | 356.3 | 355.3 | 353.3 | 352.8 | 348.4 | 348.8 | 348.8 | 349.8 |
| 10° | 356.3 | 355.8 | 352.8 | 350.3 | 347.4 | 346.9 | 345.4 | 344.4 | 344.4 | 343.9 | 345.4 |
| 12.5° | 356.3 | 353.8 | 353.3 | 347.9 | 342.9 | 344.9 | 340.9 | 338.4 | 341.9 | 342.9 | 344.9 |
| 15° | 355.8 | 358.3 | 349.8 | 347.4 | 343.9 | 344.4 | 340.9 | 338.4 | 340.4 | 341.4 | 342.9 |
| 17.5° | 358.8 | 357.3 | 354.8 | 349.8 | 348.4 | 346.4 | 341.9 | 339.9 | 339.9 | 342.4 | 342.9 |
| 20° | 366.8 | 362.8 | 357.8 | 355.3 | 356.8 | 354.3 | 348.8 | 341.4 | 343.4 | 345.4 | 346.9 |
| 22.5° | 374.2 | 371.2 | 367.8 | 366.3 | 374.7 | 370.7 | 361.3 | 352.8 | 349.8 | 353.3 | 355.8 |
| 25° | 388.7 | 388.7 | 382.2 | 384.2 | 393.6 | 394.1 | 383.2 | 368.3 | 366.3 | 367.8 | 368.8 |
| 27.5° | 418.0 | 419.5 | 414.0 | 416.0 | 420.0 | 423.5 | 414.0 | 401.6 | 397.1 | 396.6 | 398.1 |
| 30° | 449.9 | 452.9 | 452.4 | 460.8 | 472.3 | 474.3 | 460.3 | 439.9 | 426.5 | 424.0 | 426.0 |
| 32.5° | 491.7 | 493.2 | 492.2 | 502.1 | 533.0 | 547.4 | 511.1 | 482.2 | 464.3 | 468.8 | 464.3 |
| 35° | 570.3 | 568.8 | 557.9 | 559.9 | 585.2 | 595.7 | 560.8 | 542.4 | 534.0 | 542.9 | 540.9 |
| 37.5° | 638.0 | 632.5 | 623.6 | 636.5 | 662.9 | 672.3 | 636.0 | 603.6 | 588.2 | 603.1 | 609.6 |
| 40° | 695.2 | 681.3 | 668.8 | 681.8 | 717.1 | 730.0 | 676.8 | 650.4 | 644.5 | 655.4 | 669.3 |
| 42.5° | 743.5 | 734.5 | 718.1 | 719.1 | 742.5 | 748.5 | 705.7 | 690.2 | 684.3 | 701.7 | 708.6 |
| 45° | 777.8 | 769.4 | 753.9 | 752.9 | 770.9 | 766.9 | 728.6 | 718.1 | 721.6 | 733.0 | 736.5 |
| 47.5° | 795.2 | 799.7 | 790.8 | 793.2 | 802.7 | 793.2 | 762.9 | 762.9 | 754.9 | 761.9 | 758.4 |
| 50° | 845.5 | 831.6 | 843.0 | 843.0 | 853.0 | 854.0 | 823.6 | 812.7 | 791.3 | 779.3 | 779.3 |
| 52.5° | 904.2 | 905.2 | 909.7 | 926.1 | 943.0 | 957.5 | 914.2 | 867.4 | 831.6 | 816.1 | 814.1 |
| 55° | 952.5 | 962.4 | 980.4 | 1011.2 | 1060.0 | 1079.9 | 1005.2 | 921.6 | 877.8 | 854.0 | 849.0 |
| 56° | 978.9 | 969.4 | 1000.3 | 1042.6 | 1106.3 | 1132.1 | 1020.2 | 932.6 | 884.3 | 857.4 | 856.9 |
| 57.5° | 953.5 | 963.9 | 985.3 | 1052.0 | 1130.2 | 1164.0 | 1025.6 | 927.6 | 858.4 | 831.1 | 833.6 |
| 60° | 752.9 | 762.9 | 791.8 | 866.4 | 988.8 | 1015.2 | 867.9 | 764.9 | 703.2 | 663.9 | 664.4 |
| 62.5° | 426.0 | 433.4 | 455.8 | 525.0 | 601.2 | 626.5 | 540.9 | 472.3 | 429.5 | 407.6 | 400.6 |
| 65° | 156.8 | 153.8 | 157.3 | 192.6 | 239.4 | 260.8 | 224.9 | 190.1 | 167.7 | 159.7 | 156.8 |
| 67.5° | 58.7 | 54.2 | 50.8 | 54.2 | 68.2 | 72.2 | 66.2 | 55.2 | 51.8 | 53.2 | 54.2 |
| 70° | 36.3 | 34.3 | 27.4 | 25.9 | 25.4 | 24.9 | 26.4 | 27.9 | 31.8 | 37.3 | 38.3 |
| 72.5° | 25.4 | 23.9 | 19.4 | 18.4 | 17.4 | 16.9 | 19.4 | 21.4 | 24.9 | 28.9 | 29.4 |
| 75° | 10.0 | 10.5 | 10.0 | 10.9 | 11.4 | 11.9 | 13.9 | 15.4 | 16.9 | 16.9 | 16.4 |
| 77.5° | 2.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.5 | 9.5 | 10.9 | 11.4 | 10.9 | 9.5 |
| 80° | 0.0 | 0.0 | 1.0 | 2.0 | 4.0 | 5.5 | 8.5 | 9.5 | 10.5 | 9.5 | 7.5 |
| 82.5° | 0.0 | 0.0 | 1.0 | 2.5 | 4.0 | 5.0 | 8.0 | 10.0 | 11.4 | 10.5 | 8.0 |
| 85° | 0.0 | 0.0 | 1.0 | 2.0 | 3.0 | 3.5 | 3.5 | 2.5 | 2.5 | 1.5 | 1.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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)