

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: P531553

Luminaire Tested: **GLAN-SA6D-760-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531553
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-SA6D-760-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23928 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

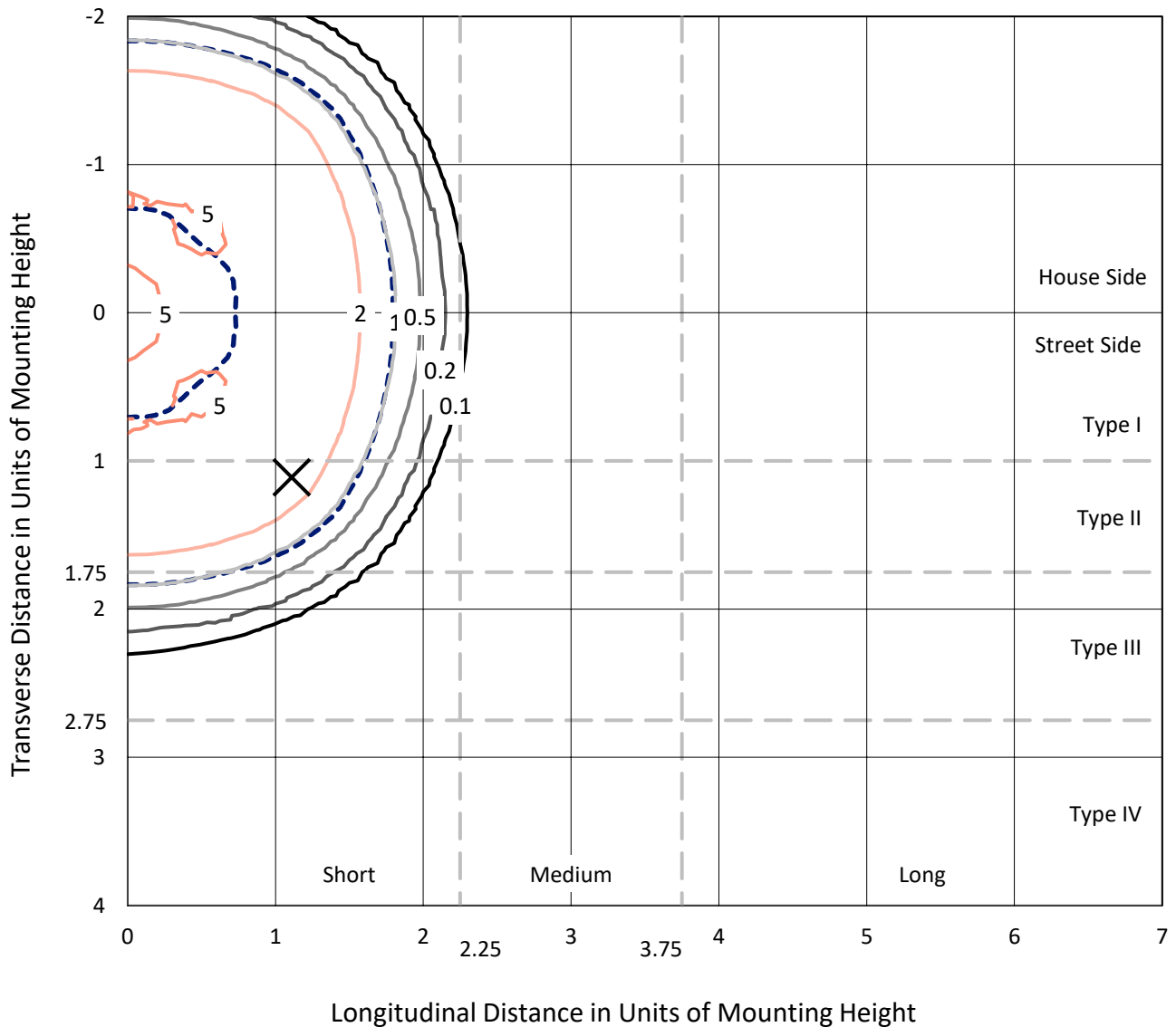
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531553
 CATALOG NUMBER: GLAN-SA6D-760-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

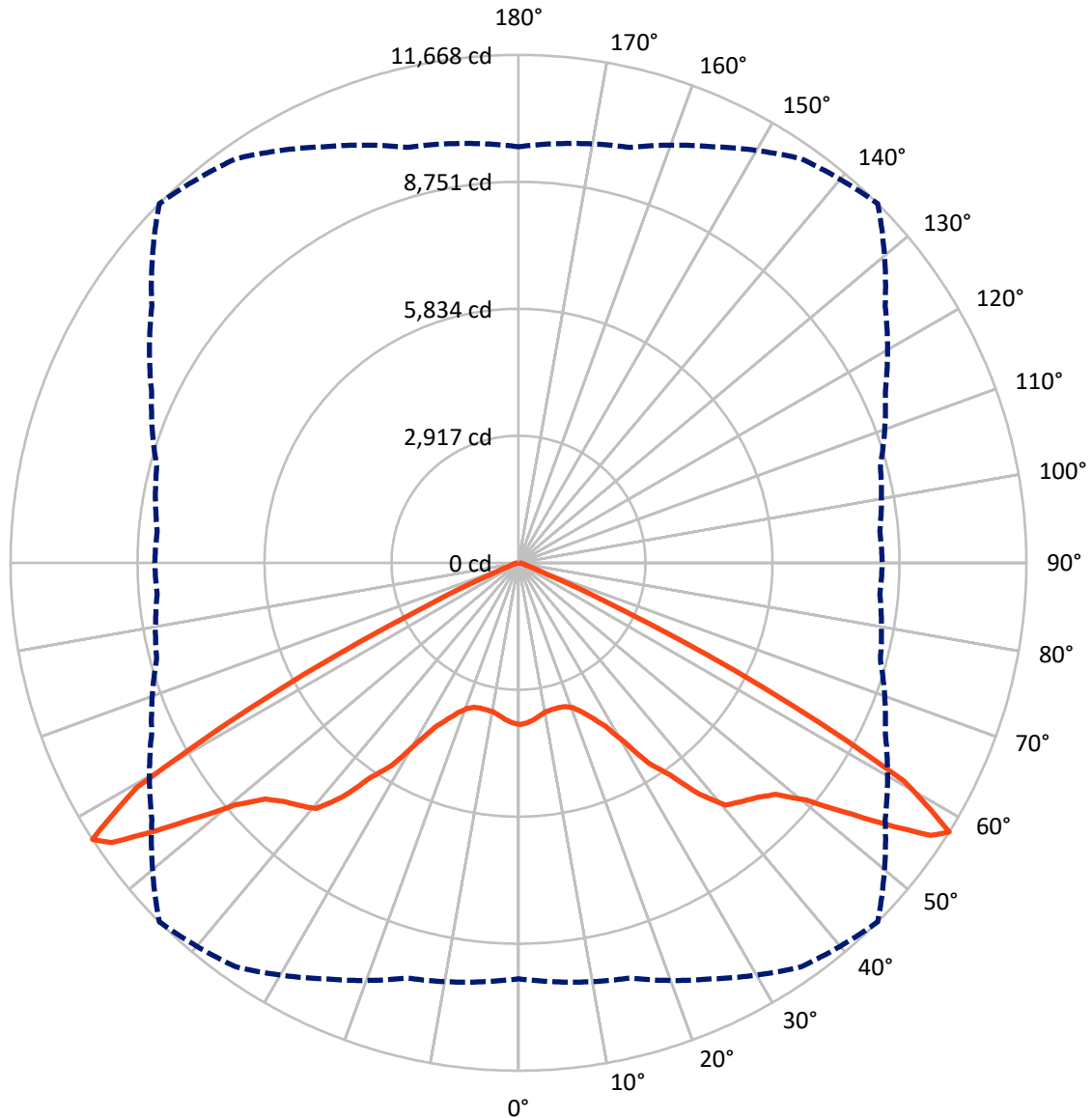
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

REPORT NUMBER: P531553
CATALOG NUMBER: GLAN-SA6D-760-U-5WQ-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P531553
 CATALOG NUMBER: GLAN-SA6D-760-U-5WQ-GRSBK

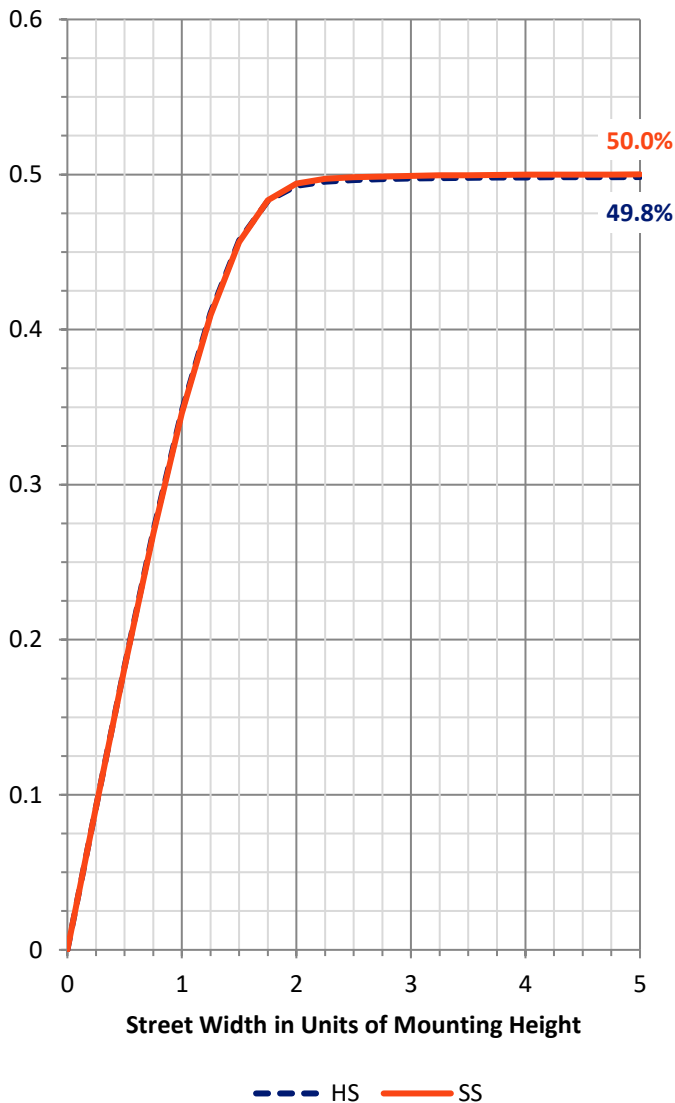
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 11964.0 | 0.0 | 11964.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 11964.0 | 0.0 | 11964.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 23928.0 | 0.0 | 23928.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 341.1 | 1.4 |
| 10°-20° | 985.8 | 4.1 |
| 20°-30° | 1819.7 | 7.6 |
| 30°-40° | 3578.7 | 15.0 |
| 40°-50° | 5828.8 | 24.4 |
| 50°-60° | 8312.5 | 34.7 |
| 60°-70° | 2878.0 | 12.0 |
| 70°-80° | 154.4 | 0.6 |
| 80°-90° | 29.0 | 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° | 23928.0 | 100.0 |
| 0°-180° | 23928.0 | 100.0 |

Coefficient of Utilization

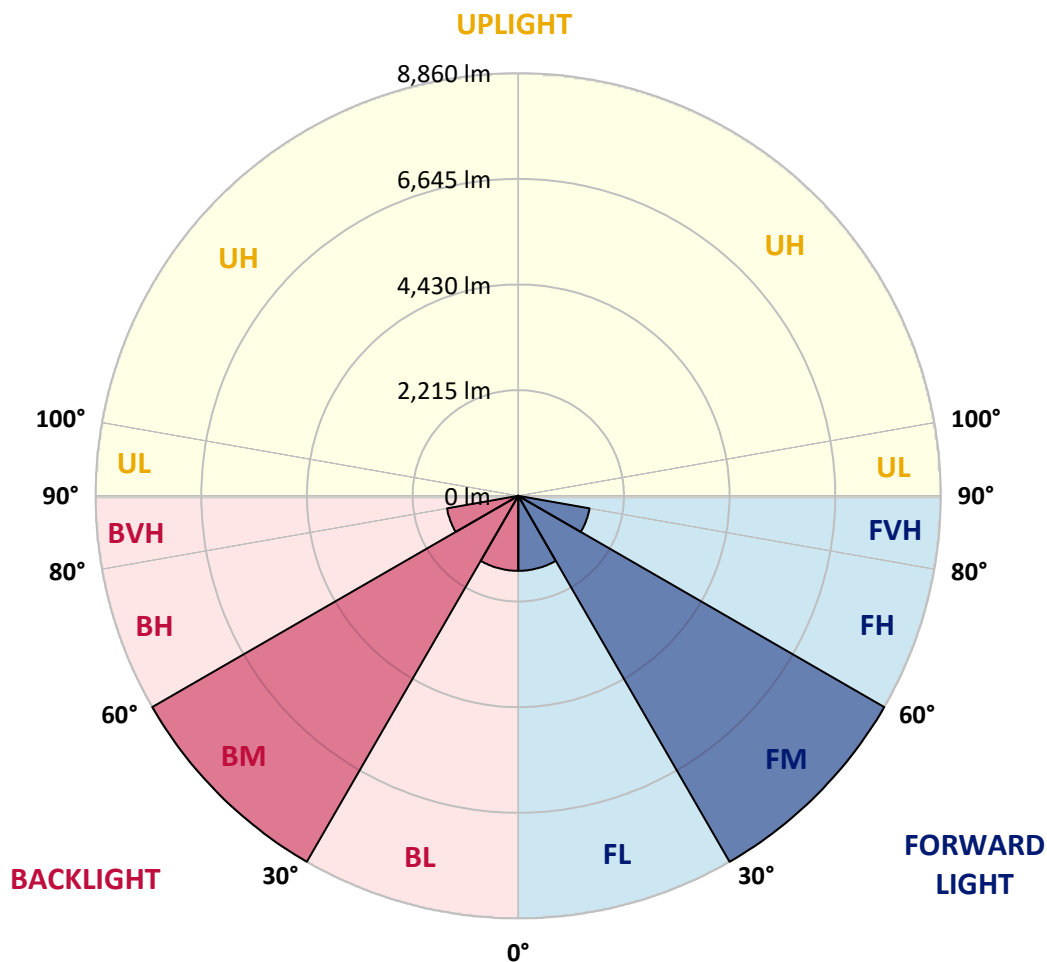


REPORT NUMBER: P531553
 CATALOG NUMBER: GLAN-SA6D-760-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1573.3 | 6.6 | | | |
| FM (30°-60°) | 8860.0 | 37.0 | | | |
| FH (60°-80°) | 1516.2 | 6.3 | | | G1/1800 |
| FVH (80°-90°) | 14.5 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1573.3 | 6.6 | B3/2500 | | |
| BM (30°-60°) | 8860.0 | 37.0 | B5 | | |
| BH (60°-80°) | 1516.2 | 6.3 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 14.5 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G1
 Type V Short





REPORT NUMBER: P531553

CATALOG NUMBER: GLAN-SA6D-760-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0° | 3711.5 | 3711.5 | 3711.5 | 3711.5 | 3711.5 | 3711.5 | 3711.5 | 3711.5 | 3711.5 | 3711.5 | 3711.5 |
| 2.5° | 3701.5 | 3721.5 | 3696.5 | 3686.5 | 3681.6 | 3681.6 | 3666.6 | 3666.6 | 3661.6 | 3666.6 | 3646.6 |
| 5° | 3641.6 | 3661.6 | 3661.6 | 3656.6 | 3626.7 | 3621.7 | 3606.7 | 3596.7 | 3601.7 | 3581.8 | 3596.7 |
| 7.5° | 3581.8 | 3596.7 | 3576.8 | 3571.8 | 3561.8 | 3541.9 | 3536.9 | 3492.0 | 3497.0 | 3497.0 | 3507.0 |
| 10° | 3571.8 | 3566.8 | 3536.9 | 3511.9 | 3482.0 | 3477.0 | 3462.1 | 3452.1 | 3452.1 | 3447.1 | 3462.1 |
| 12.5° | 3571.8 | 3546.9 | 3541.9 | 3487.0 | 3437.1 | 3457.1 | 3417.2 | 3392.2 | 3427.1 | 3437.1 | 3457.1 |
| 15° | 3566.8 | 3591.8 | 3507.0 | 3482.0 | 3447.1 | 3452.1 | 3417.2 | 3392.2 | 3412.2 | 3422.1 | 3437.1 |
| 17.5° | 3596.7 | 3581.8 | 3556.8 | 3507.0 | 3492.0 | 3472.0 | 3427.1 | 3407.2 | 3407.2 | 3432.1 | 3437.1 |
| 20° | 3676.6 | 3636.7 | 3586.8 | 3561.8 | 3576.8 | 3551.8 | 3497.0 | 3422.1 | 3442.1 | 3462.1 | 3477.0 |
| 22.5° | 3751.4 | 3721.5 | 3686.5 | 3671.6 | 3756.4 | 3716.5 | 3621.7 | 3536.9 | 3507.0 | 3541.9 | 3566.8 |
| 25° | 3896.1 | 3896.1 | 3831.2 | 3851.2 | 3945.9 | 3950.9 | 3841.2 | 3691.5 | 3671.6 | 3686.5 | 3696.5 |
| 27.5° | 4190.4 | 4205.4 | 4150.5 | 4170.4 | 4210.3 | 4245.3 | 4150.5 | 4025.8 | 3980.9 | 3975.9 | 3990.8 |
| 30° | 4509.7 | 4539.6 | 4534.6 | 4619.4 | 4734.1 | 4754.1 | 4614.4 | 4409.9 | 4275.2 | 4250.2 | 4270.2 |
| 32.5° | 4928.7 | 4943.7 | 4933.7 | 5033.4 | 5342.7 | 5487.4 | 5123.2 | 4833.9 | 4654.3 | 4699.2 | 4654.3 |
| 35° | 5716.9 | 5701.9 | 5592.2 | 5612.1 | 5866.5 | 5971.3 | 5622.1 | 5437.5 | 5352.7 | 5442.5 | 5422.6 |
| 37.5° | 6395.3 | 6340.5 | 6250.7 | 6380.4 | 6644.8 | 6739.5 | 6375.4 | 6051.1 | 5896.5 | 6046.1 | 6111.0 |
| 40° | 6969.0 | 6829.3 | 6704.6 | 6834.3 | 7188.5 | 7318.2 | 6784.4 | 6520.0 | 6460.2 | 6569.9 | 6709.6 |
| 42.5° | 7452.9 | 7363.1 | 7198.5 | 7208.5 | 7442.9 | 7502.8 | 7073.8 | 6919.1 | 6859.3 | 7033.9 | 7103.7 |
| 45° | 7797.1 | 7712.3 | 7557.7 | 7547.7 | 7727.3 | 7687.4 | 7303.2 | 7198.5 | 7233.4 | 7348.1 | 7383.1 |
| 47.5° | 7971.7 | 8016.6 | 7926.8 | 7951.8 | 8046.5 | 7951.8 | 7647.5 | 7647.5 | 7567.6 | 7637.5 | 7602.6 |
| 50° | 8475.6 | 8335.9 | 8450.6 | 8450.6 | 8550.4 | 8560.4 | 8256.1 | 8146.3 | 7931.8 | 7812.1 | 7812.1 |
| 52.5° | 9064.2 | 9074.2 | 9119.1 | 9283.7 | 9453.3 | 9598.0 | 9164.0 | 8695.0 | 8335.9 | 8181.2 | 8161.3 |
| 55° | 9548.1 | 9647.9 | 9827.4 | 10136.7 | 10625.6 | 10825.2 | 10076.9 | 9238.8 | 8799.8 | 8560.4 | 8510.5 |
| 56° | 9812.5 | 9717.7 | 10027.0 | 10451.0 | 11089.6 | 11349.0 | 10226.5 | 9348.5 | 8864.7 | 8595.3 | 8590.3 |
| 57.5° | 9558.1 | 9662.8 | 9877.3 | 10545.8 | 11329.0 | 11668.2 | 10281.4 | 9298.7 | 8605.3 | 8330.9 | 8355.8 |
| 60° | 7547.7 | 7647.5 | 7936.8 | 8685.1 | 9912.3 | 10176.6 | 8700.0 | 7667.4 | 7048.8 | 6654.7 | 6659.7 |
| 62.5° | 4270.2 | 4345.0 | 4569.5 | 5262.9 | 6026.2 | 6280.6 | 5422.6 | 4734.1 | 4305.1 | 4085.6 | 4015.8 |
| 65° | 1571.4 | 1541.5 | 1576.4 | 1930.6 | 2399.5 | 2614.0 | 2254.8 | 1905.6 | 1681.1 | 1601.3 | 1571.4 |
| 67.5° | 588.6 | 543.8 | 508.8 | 543.8 | 683.4 | 723.3 | 663.5 | 553.7 | 518.8 | 533.8 | 543.8 |
| 70° | 364.2 | 344.2 | 274.4 | 259.4 | 254.4 | 249.4 | 264.4 | 279.4 | 319.3 | 374.1 | 384.1 |
| 72.5° | 254.4 | 239.5 | 194.6 | 184.6 | 174.6 | 169.6 | 194.6 | 214.5 | 249.4 | 289.3 | 294.3 |
| 75° | 99.8 | 104.8 | 99.8 | 109.7 | 114.7 | 119.7 | 139.7 | 154.6 | 169.6 | 169.6 | 164.6 |
| 77.5° | 20.0 | 20.0 | 29.9 | 39.9 | 49.9 | 64.9 | 94.8 | 109.7 | 114.7 | 109.7 | 94.8 |
| 80° | 0.0 | 0.0 | 10.0 | 20.0 | 39.9 | 54.9 | 84.8 | 94.8 | 104.8 | 94.8 | 74.8 |
| 82.5° | 0.0 | 0.0 | 10.0 | 24.9 | 39.9 | 49.9 | 79.8 | 99.8 | 114.7 | 104.8 | 79.8 |
| 85° | 0.0 | 0.0 | 10.0 | 20.0 | 29.9 | 34.9 | 34.9 | 24.9 | 24.9 | 15.0 | 10.0 |
| 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)