

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: P532389

Luminaire Tested: **GLAN-SA7D-730-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532389  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA7D-730-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31712 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 433  
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

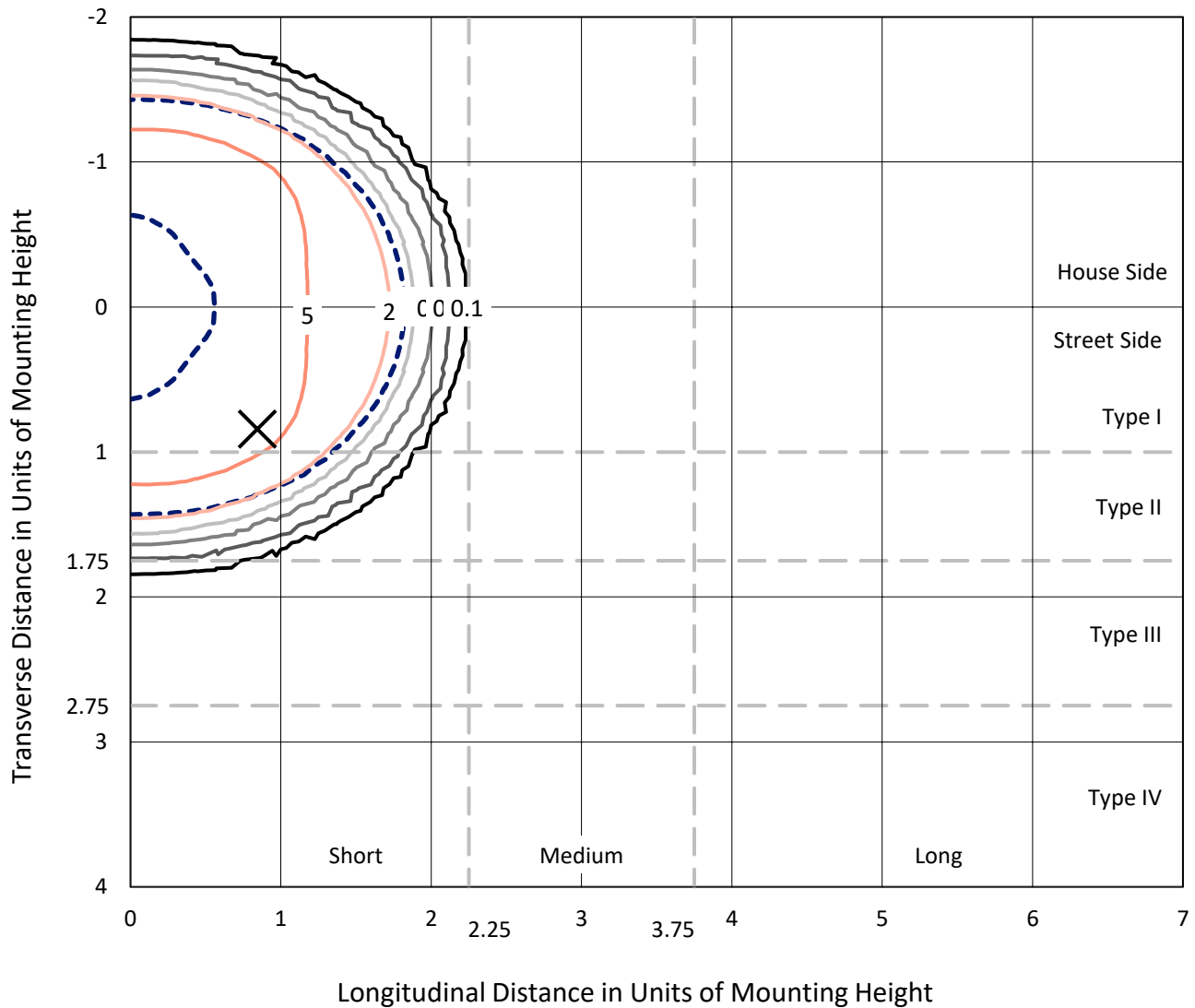


REPORT NUMBER: P532389

CATALOG NUMBER: GLAN-SA7D-730-U-RW-GRSBK

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

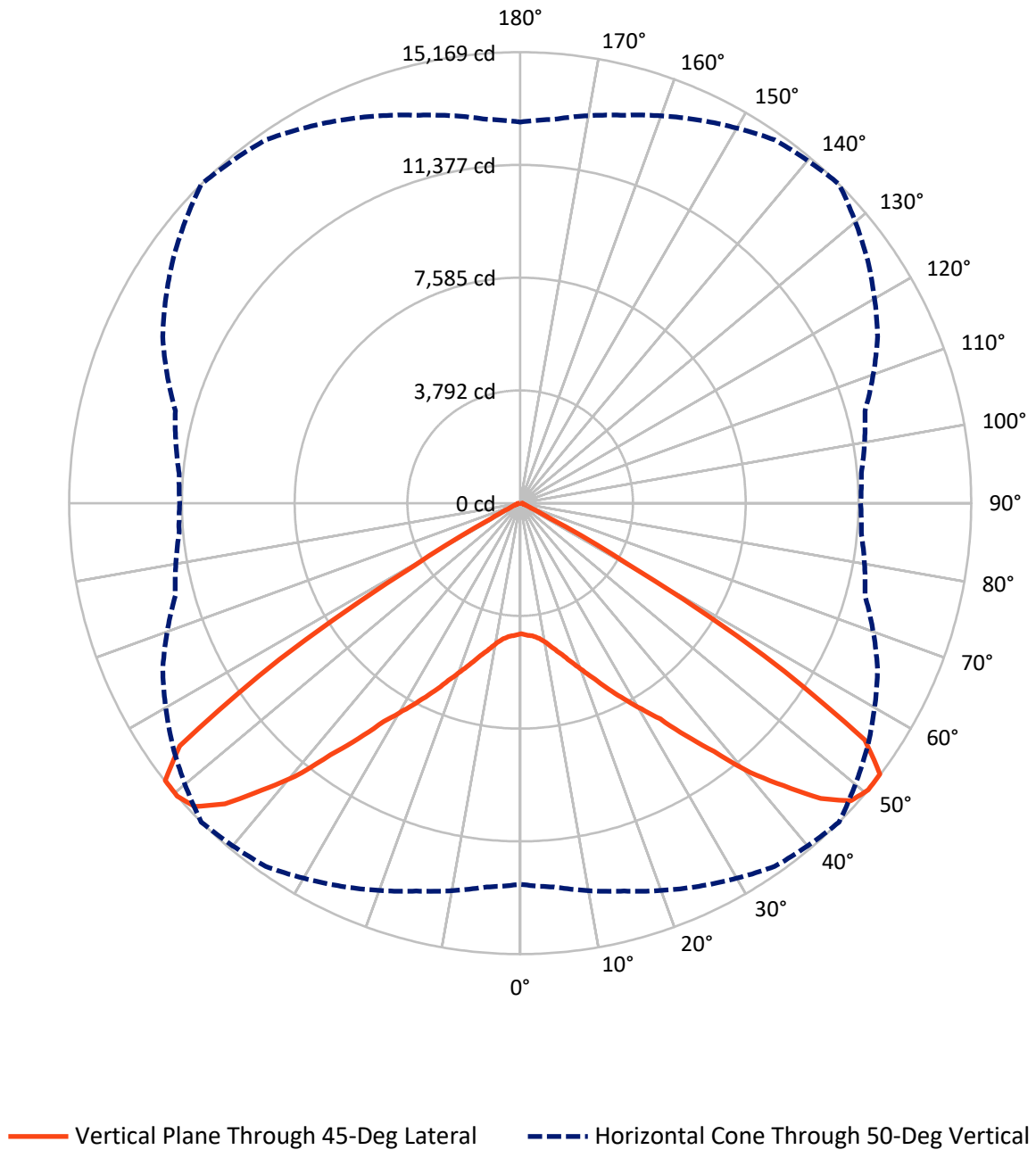


Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P532389

CATALOG NUMBER: GLAN-SA7D-730-U-RW-GRSBK

## Luminous Intensity Polar Plot



REPORT NUMBER: P532389

CATALOG NUMBER: GLAN-SA7D-730-U-RW-GRSBK

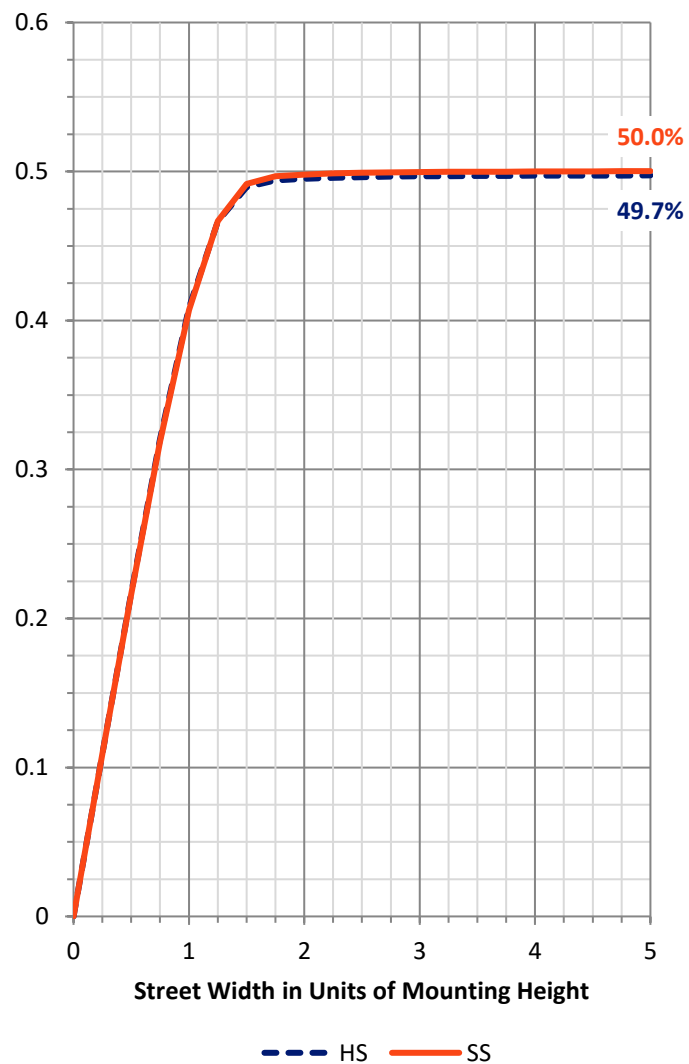
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 15856.0  | 0.0    | 15856.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 15856.0  | 0.0    | 15856.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 31712.0  | 0.0    | 31712.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 437.4   | 1.4       |
| 10°-20°   | 1507.5  | 4.8       |
| 20°-30°   | 3078.9  | 9.7       |
| 30°-40°   | 5871.4  | 18.5      |
| 40°-50°   | 9894.2  | 31.2      |
| 50°-60°   | 9435.9  | 29.8      |
| 60°-70°   | 1317.2  | 4.2       |
| 70°-80°   | 126.0   | 0.4       |
| 80°-90°   | 43.5    | 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°    | 31712.0 | 100.0     |
| 0°-180°   | 31712.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P532389

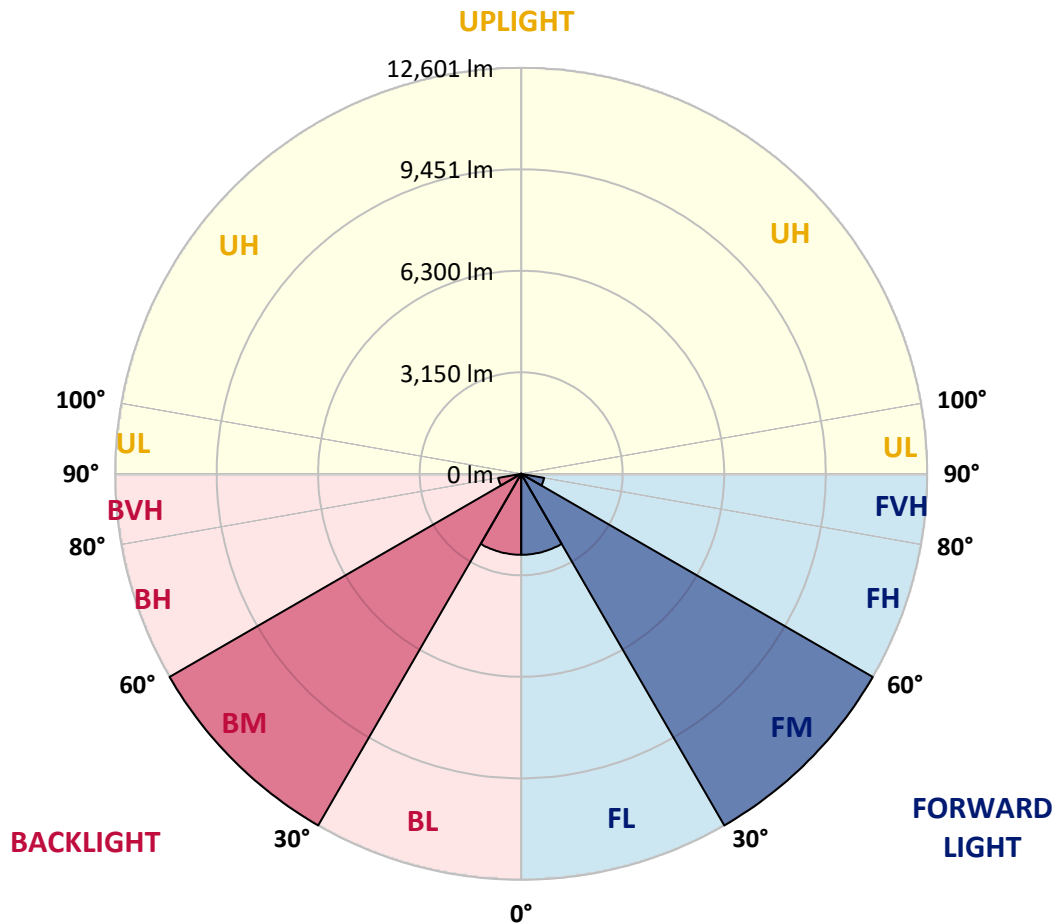
CATALOG NUMBER: GLAN-SA7D-730-U-RW-GRSBK

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2511.9  | 7.9       |                         |      |         |
| FM   | (30°-60°)   | 12600.8 | 39.7      |                         |      |         |
| FH   | (60°-80°)   | 721.6   | 2.3       |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 21.8    | 0.1       |                         |      | G1/100  |
| BL   | (0°-30°)    | 2511.9  | 7.9       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 12600.8 | 39.7      | B5                      |      |         |
| BH   | (60°-80°)   | 721.6   | 2.3       | B2/1000                 |      | G1/1800 |
| BVH  | (80°-90°)   | 21.8    | 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: P532389

CATALOG NUMBER: GLAN-SA7D-730-U-RW-GRSBK

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4396.5  | 4396.5  | 4396.5  | 4396.5  | 4396.5  | 4396.5  | 4396.5  | 4396.5  | 4396.5  | 4396.5  | 4396.5  |
| 2.5°  | 4380.5  | 4380.5  | 4375.2  | 4417.9  | 4396.5  | 4444.5  | 4439.2  | 4455.2  | 4471.2  | 4465.9  | 4508.6  |
| 5°    | 4343.2  | 4337.8  | 4337.8  | 4385.8  | 4433.9  | 4487.2  | 4535.2  | 4567.3  | 4620.6  | 4620.6  | 4674.0  |
| 7.5°  | 4380.5  | 4353.8  | 4391.2  | 4412.5  | 4503.2  | 4593.9  | 4674.0  | 4738.0  | 4860.7  | 4903.4  | 4887.4  |
| 10°   | 4391.2  | 4423.2  | 4449.9  | 4513.9  | 4625.9  | 4764.7  | 4834.0  | 4994.1  | 5132.8  | 5228.9  | 5250.2  |
| 12.5° | 4460.5  | 4508.6  | 4583.3  | 4738.0  | 4839.4  | 5020.8  | 5116.8  | 5271.6  | 5463.6  | 5570.3  | 5645.0  |
| 15°   | 4593.9  | 4609.9  | 4706.0  | 4903.4  | 5122.2  | 5287.6  | 5437.0  | 5549.0  | 5735.8  | 5858.5  | 5863.8  |
| 17.5° | 4764.7  | 4834.0  | 4967.4  | 5154.2  | 5383.6  | 5629.0  | 5746.4  | 5869.1  | 5938.5  | 6103.9  | 6141.3  |
| 20°   | 5106.2  | 5116.8  | 5244.9  | 5490.3  | 5778.4  | 6002.5  | 6087.9  | 6151.9  | 6125.2  | 6296.0  | 6328.0  |
| 22.5° | 5426.3  | 5437.0  | 5597.0  | 5927.8  | 6237.3  | 6429.4  | 6466.7  | 6429.4  | 6349.3  | 6472.1  | 6482.7  |
| 25°   | 5751.8  | 5847.8  | 5965.2  | 6296.0  | 6680.1  | 6936.3  | 6941.6  | 6840.2  | 6674.8  | 6696.2  | 6749.5  |
| 27.5° | 6258.6  | 6328.0  | 6450.7  | 6754.8  | 7176.4  | 7464.5  | 7416.5  | 7293.7  | 7080.3  | 7096.3  | 7080.3  |
| 30°   | 6850.9  | 6914.9  | 7016.3  | 7405.8  | 7715.3  | 8030.1  | 8099.4  | 7982.0  | 7661.9  | 7592.5  | 7672.6  |
| 32.5° | 7565.9  | 7656.6  | 7843.3  | 8200.8  | 8462.2  | 8654.3  | 8702.3  | 8659.7  | 8360.9  | 8334.2  | 8387.5  |
| 35°   | 8435.6  | 8558.3  | 8729.0  | 9043.8  | 9257.2  | 9604.0  | 9604.0  | 9460.0  | 9187.9  | 9219.9  | 9214.6  |
| 37.5° | 9353.3  | 9534.7  | 9801.5  | 10121.6 | 10409.7 | 10596.5 | 10537.8 | 10415.1 | 10142.9 | 10073.6 | 10142.9 |
| 40°   | 10505.8 | 10596.5 | 10932.6 | 11348.8 | 11700.9 | 11914.4 | 11663.6 | 11396.8 | 10745.9 | 10847.2 | 11034.0 |
| 42.5° | 11556.9 | 11700.9 | 11957.0 | 12415.9 | 12816.1 | 12992.1 | 12693.4 | 12165.1 | 11380.8 | 11300.8 | 11439.5 |
| 45°   | 12453.2 | 12608.0 | 12944.1 | 13600.4 | 14021.9 | 14176.6 | 13515.0 | 12661.3 | 11765.0 | 11562.2 | 11620.9 |
| 47.5° | 13050.8 | 13130.9 | 13600.4 | 14224.7 | 14608.8 | 14961.0 | 14011.2 | 13002.8 | 11946.4 | 11562.2 | 11540.9 |
| 50°   | 12821.4 | 12960.1 | 13509.7 | 14219.3 | 14918.3 | 15169.1 | 14262.0 | 13264.3 | 12005.1 | 11514.2 | 11450.2 |
| 52.5° | 11386.1 | 11626.2 | 12239.8 | 13194.9 | 14251.3 | 15147.7 | 14608.8 | 13178.9 | 11983.7 | 11562.2 | 11658.2 |
| 55°   | 7923.3  | 7928.7  | 8675.7  | 10084.3 | 11951.7 | 14064.6 | 14101.9 | 13274.9 | 12122.4 | 11861.0 | 11866.3 |
| 57.5° | 3185.3  | 3345.4  | 3916.3  | 5330.2  | 7053.6  | 9657.4  | 11482.2 | 12314.5 | 12138.5 | 12074.4 | 12239.8 |
| 60°   | 805.7   | 811.0   | 987.1   | 1504.6  | 2481.0  | 4140.4  | 6013.2  | 8136.8  | 9369.3  | 9790.8  | 9849.5  |
| 62.5° | 410.8   | 416.2   | 458.9   | 533.6   | 677.6   | 1109.8  | 1974.2  | 3132.0  | 4455.2  | 5127.5  | 5303.6  |
| 65°   | 336.1   | 336.1   | 362.8   | 400.2   | 405.5   | 426.8   | 512.2   | 731.0   | 1061.8  | 1205.8  | 1221.8  |
| 67.5° | 256.1   | 256.1   | 277.5   | 298.8   | 309.5   | 304.1   | 293.5   | 304.1   | 368.2   | 352.1   | 341.5   |
| 70°   | 160.1   | 165.4   | 176.1   | 197.4   | 208.1   | 213.4   | 218.8   | 229.4   | 261.4   | 272.1   | 261.4   |
| 72.5° | 96.0    | 96.0    | 101.4   | 117.4   | 133.4   | 144.1   | 160.1   | 170.7   | 186.7   | 213.4   | 208.1   |
| 75°   | 42.7    | 42.7    | 53.4    | 69.4    | 85.4    | 101.4   | 117.4   | 133.4   | 144.1   | 160.1   | 165.4   |
| 77.5° | 10.7    | 16.0    | 26.7    | 48.0    | 64.0    | 85.4    | 106.7   | 122.7   | 133.4   | 133.4   | 128.1   |
| 80°   | 5.3     | 5.3     | 21.3    | 37.3    | 69.4    | 90.7    | 117.4   | 128.1   | 144.1   | 133.4   | 117.4   |
| 82.5° | 5.3     | 5.3     | 21.3    | 37.3    | 64.0    | 90.7    | 122.7   | 138.7   | 149.4   | 133.4   | 112.0   |
| 85°   | 0.0     | 5.3     | 16.0    | 32.0    | 53.4    | 64.0    | 53.4    | 37.3    | 21.3    | 21.3    | 16.0    |
| 87.5° | 0.0     | 0.0     | 5.3     | 5.3     | 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)