

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P639774

Luminaire Tested: GWS-SA5C-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-750-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21327.7 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

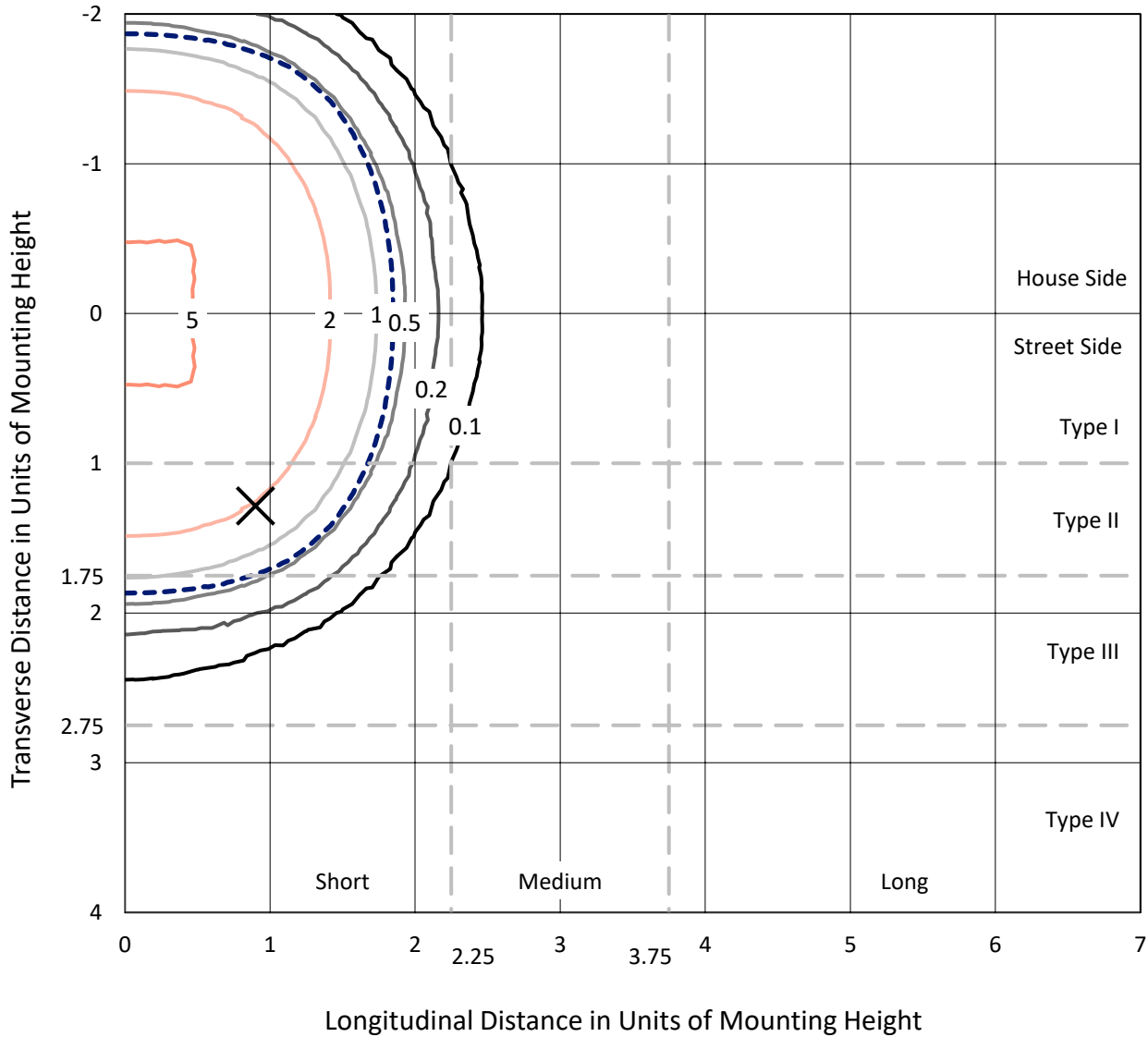
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

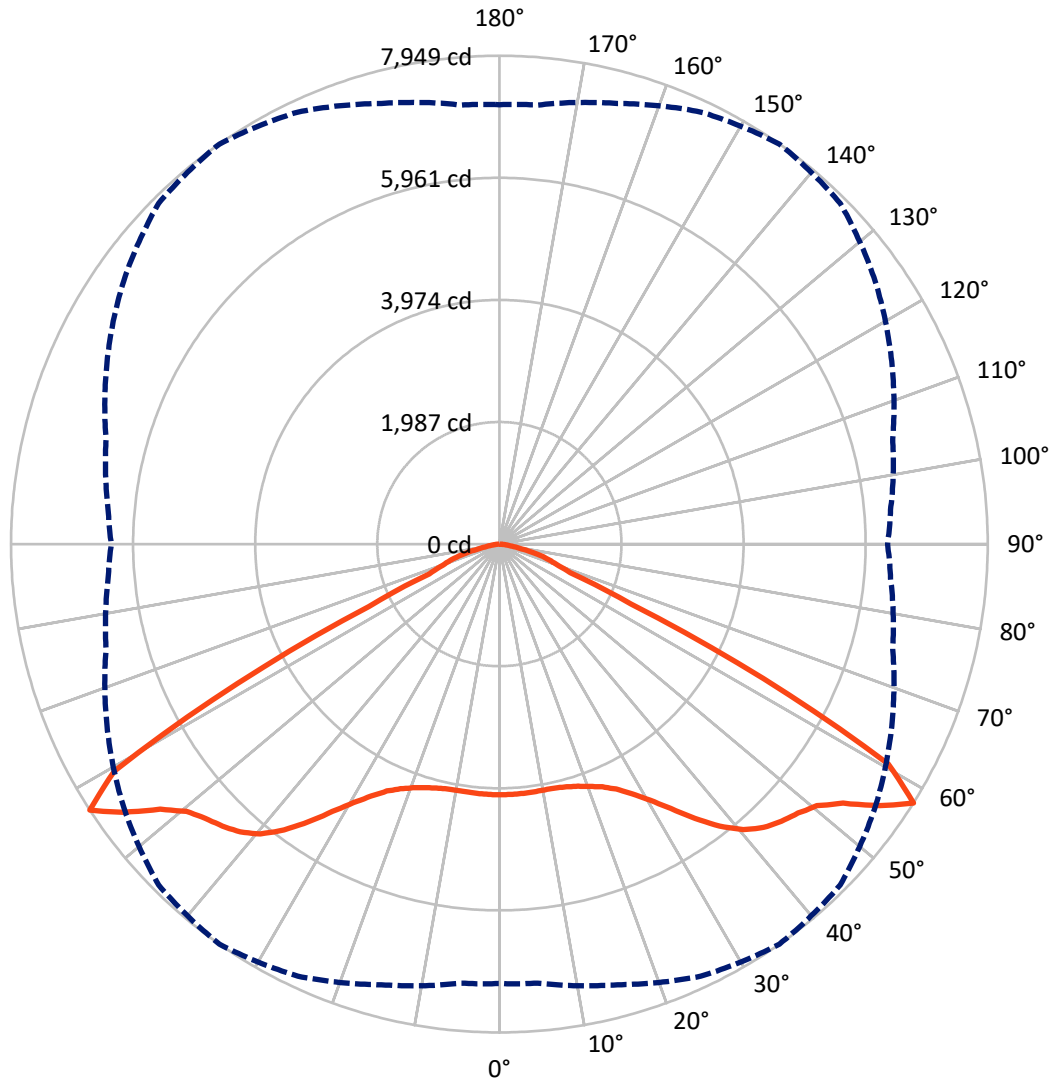
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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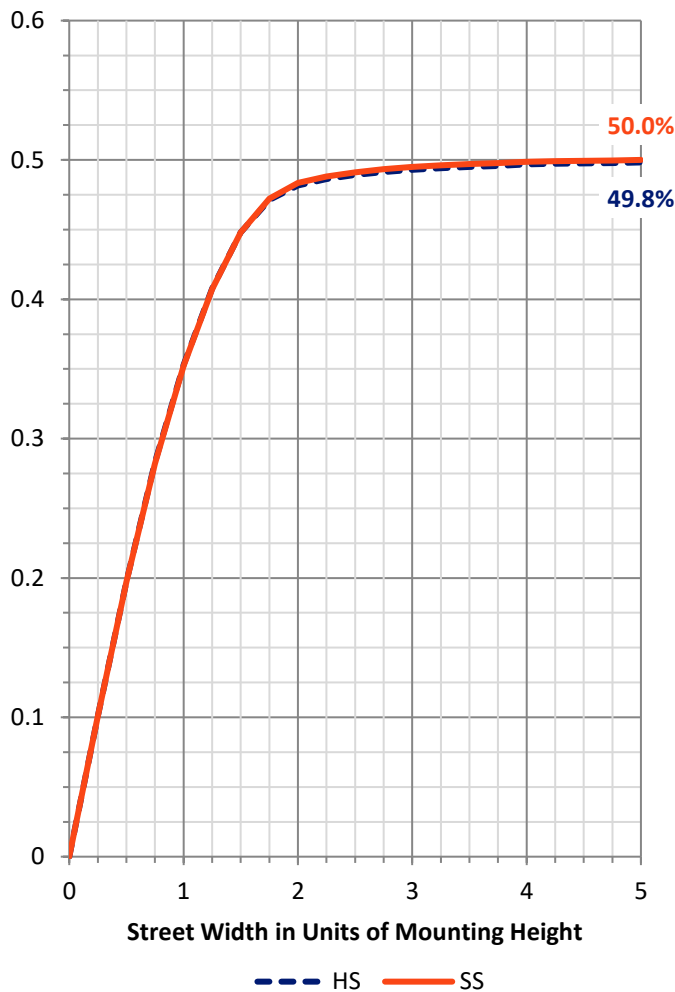
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 10663.8 | 0.0 | 10663.8 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 10663.8 | 0.0 | 10663.8 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 21327.7 | 0.0 | 21327.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 388.2 | 1.8 |
| 10°-20° | 1158.3 | 5.4 |
| 20°-30° | 2020.9 | 9.5 |
| 30°-40° | 3313.9 | 15.5 |
| 40°-50° | 4880.6 | 22.9 |
| 50°-60° | 6228.5 | 29.2 |
| 60°-70° | 2625.0 | 12.3 |
| 70°-80° | 627.1 | 2.9 |
| 80°-90° | 85.3 | 0.4 |
| 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° | 21327.7 | 100.0 |
| 0°-180° | 21327.7 | 100.0 |

Coefficient of Utilization



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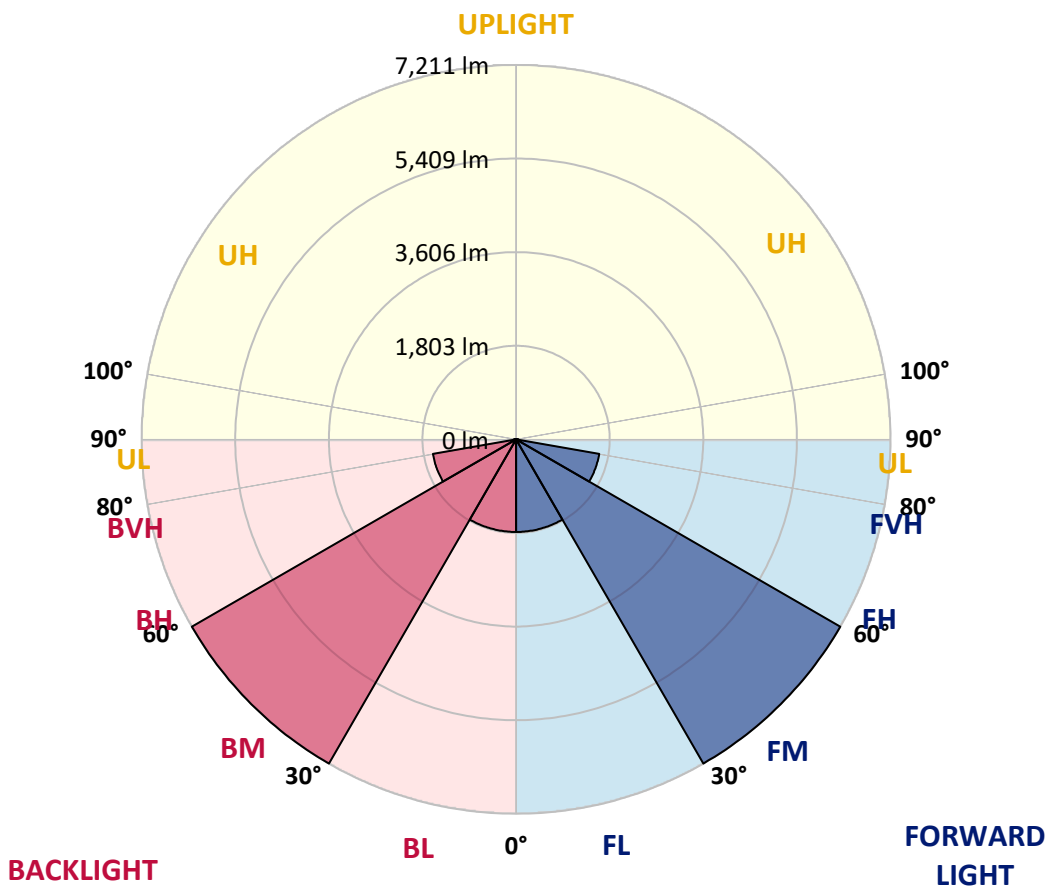
CATALOG NUMBER: GWS-SA5C-750-U-5MQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1783.7 | 8.4 | | | |
| FM (30°-60°) | 7211.5 | 33.8 | | | |
| FH (60°-80°) | 1626.0 | 7.6 | | | G1/1800 |
| FVH (80°-90°) | 42.7 | 0.2 | | | G1/100 |
| BL (0°-30°) | 1783.7 | 8.4 | B3/2500 | | |
| BM (30°-60°) | 7211.5 | 33.8 | B4/8500 | | |
| BH (60°-80°) | 1626.0 | 7.6 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 42.7 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4080.8 | 4080.8 | 4080.8 | 4080.8 | 4080.8 | 4080.8 | 4080.8 | 4080.8 | 4080.8 | 4080.8 | 4080.8 |
| 2.5° | 4056.4 | 4056.4 | 4065.1 | 4073.8 | 4077.3 | 4093.0 | 4091.3 | 4086.0 | 4082.6 | 4072.1 | 4086.0 |
| 5° | 4065.1 | 4065.1 | 4072.1 | 4077.3 | 4075.6 | 4087.8 | 4082.6 | 4073.8 | 4068.6 | 4058.1 | 4073.8 |
| 7.5° | 4063.3 | 4063.3 | 4068.6 | 4073.8 | 4070.3 | 4080.8 | 4072.1 | 4059.9 | 4051.1 | 4040.6 | 4054.6 |
| 10° | 4040.6 | 4044.1 | 4049.4 | 4061.6 | 4066.8 | 4082.6 | 4070.3 | 4051.1 | 4037.2 | 4024.9 | 4038.9 |
| 12.5° | 4037.2 | 4040.6 | 4047.6 | 4063.3 | 4072.1 | 4094.8 | 4079.1 | 4047.6 | 4026.7 | 4011.0 | 4024.9 |
| 15° | 4052.9 | 4056.4 | 4066.8 | 4086.0 | 4100.0 | 4124.5 | 4101.8 | 4058.1 | 4028.4 | 4007.5 | 4019.7 |
| 17.5° | 4072.1 | 4077.3 | 4093.0 | 4121.0 | 4143.7 | 4169.9 | 4141.9 | 4089.5 | 4047.6 | 4019.7 | 4030.2 |
| 20° | 4093.0 | 4100.0 | 4124.5 | 4166.4 | 4208.3 | 4241.5 | 4206.5 | 4136.7 | 4086.0 | 4049.4 | 4059.9 |
| 22.5° | 4129.7 | 4138.4 | 4169.9 | 4229.2 | 4292.1 | 4341.0 | 4297.3 | 4203.0 | 4136.7 | 4089.5 | 4098.3 |
| 25° | 4204.8 | 4215.3 | 4255.4 | 4327.0 | 4416.1 | 4475.4 | 4414.3 | 4307.8 | 4215.3 | 4157.6 | 4166.4 |
| 27.5° | 4337.5 | 4342.7 | 4395.1 | 4489.4 | 4599.4 | 4667.5 | 4594.2 | 4468.5 | 4365.4 | 4299.1 | 4306.1 |
| 30° | 4512.1 | 4527.8 | 4580.2 | 4704.2 | 4835.2 | 4926.0 | 4829.9 | 4681.5 | 4562.8 | 4482.4 | 4489.4 |
| 32.5° | 4725.1 | 4735.6 | 4814.2 | 4943.4 | 5132.0 | 5236.8 | 5105.8 | 4929.5 | 4786.3 | 4688.5 | 4695.5 |
| 35° | 5004.5 | 5013.3 | 5088.4 | 5252.5 | 5481.2 | 5579.0 | 5428.9 | 5226.3 | 5060.4 | 4967.9 | 4994.1 |
| 37.5° | 5338.1 | 5353.8 | 5407.9 | 5570.3 | 5825.2 | 5921.3 | 5748.4 | 5559.8 | 5387.0 | 5301.4 | 5320.6 |
| 40° | 5696.0 | 5694.3 | 5737.9 | 5881.1 | 6113.4 | 6172.7 | 6017.3 | 5867.1 | 5718.7 | 5662.8 | 5694.3 |
| 42.5° | 6003.4 | 5994.6 | 6026.1 | 6144.8 | 6305.4 | 6310.7 | 6207.7 | 6123.8 | 6019.1 | 5980.6 | 6010.3 |
| 45° | 6218.1 | 6221.6 | 6268.8 | 6350.8 | 6432.9 | 6389.3 | 6357.8 | 6343.9 | 6261.8 | 6209.4 | 6214.6 |
| 47.5° | 6387.5 | 6401.5 | 6476.6 | 6532.4 | 6542.9 | 6469.6 | 6513.2 | 6534.2 | 6466.1 | 6385.8 | 6363.1 |
| 50° | 6537.7 | 6560.4 | 6658.2 | 6717.5 | 6694.8 | 6602.3 | 6687.9 | 6719.3 | 6569.1 | 6415.4 | 6370.0 |
| 52.5° | 6810.1 | 6836.3 | 6955.0 | 7031.8 | 7005.7 | 6913.1 | 6993.4 | 6881.7 | 6628.5 | 6439.9 | 6382.3 |
| 55° | 7244.9 | 7257.1 | 7402.0 | 7527.8 | 7515.5 | 7402.0 | 7337.4 | 7089.5 | 6782.1 | 6586.6 | 6532.4 |
| 57.5° | 7152.3 | 7173.3 | 7424.7 | 7760.0 | 7948.6 | 7845.6 | 7466.6 | 7044.1 | 6626.7 | 6391.0 | 6317.7 |
| 60° | 5627.9 | 5678.6 | 5991.1 | 6581.3 | 7272.8 | 7271.1 | 6567.4 | 5910.8 | 5407.9 | 5095.3 | 5063.9 |
| 62.5° | 3286.3 | 3321.2 | 3605.9 | 4203.0 | 4822.9 | 4861.4 | 4367.2 | 3916.7 | 3476.6 | 3265.3 | 3164.1 |
| 65° | 1555.8 | 1554.1 | 1667.6 | 1936.5 | 2355.6 | 2388.8 | 2240.3 | 1994.1 | 1734.0 | 1662.4 | 1643.2 |
| 67.5° | 1149.0 | 1149.0 | 1140.3 | 1159.5 | 1239.8 | 1257.2 | 1239.8 | 1199.6 | 1175.2 | 1190.9 | 1180.4 |
| 70° | 997.1 | 998.8 | 988.3 | 983.1 | 983.1 | 977.9 | 984.8 | 1000.6 | 1011.0 | 1032.0 | 1021.5 |
| 72.5° | 808.5 | 810.2 | 810.2 | 812.0 | 813.7 | 806.7 | 817.2 | 825.9 | 827.7 | 834.7 | 827.7 |
| 75° | 574.5 | 578.0 | 588.5 | 597.2 | 604.2 | 604.2 | 607.7 | 609.4 | 602.4 | 611.2 | 597.2 |
| 77.5° | 316.1 | 319.6 | 338.8 | 354.5 | 370.2 | 371.9 | 377.2 | 380.7 | 377.2 | 384.2 | 373.7 |
| 80° | 174.6 | 178.1 | 186.8 | 193.8 | 206.0 | 216.5 | 223.5 | 227.0 | 227.0 | 232.2 | 227.0 |
| 82.5° | 99.5 | 103.0 | 108.3 | 111.8 | 122.2 | 131.0 | 137.9 | 143.2 | 143.2 | 144.9 | 141.4 |
| 85° | 47.1 | 47.1 | 50.6 | 54.1 | 59.4 | 62.9 | 71.6 | 76.8 | 76.8 | 80.3 | 76.8 |
| 87.5° | 7.0 | 8.7 | 10.5 | 10.5 | 14.0 | 17.5 | 21.0 | 22.7 | 26.2 | 27.9 | 27.9 |
| 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)