

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: P641925

Luminaire Tested: GWS-SA6B-830-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-830-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14204.6 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

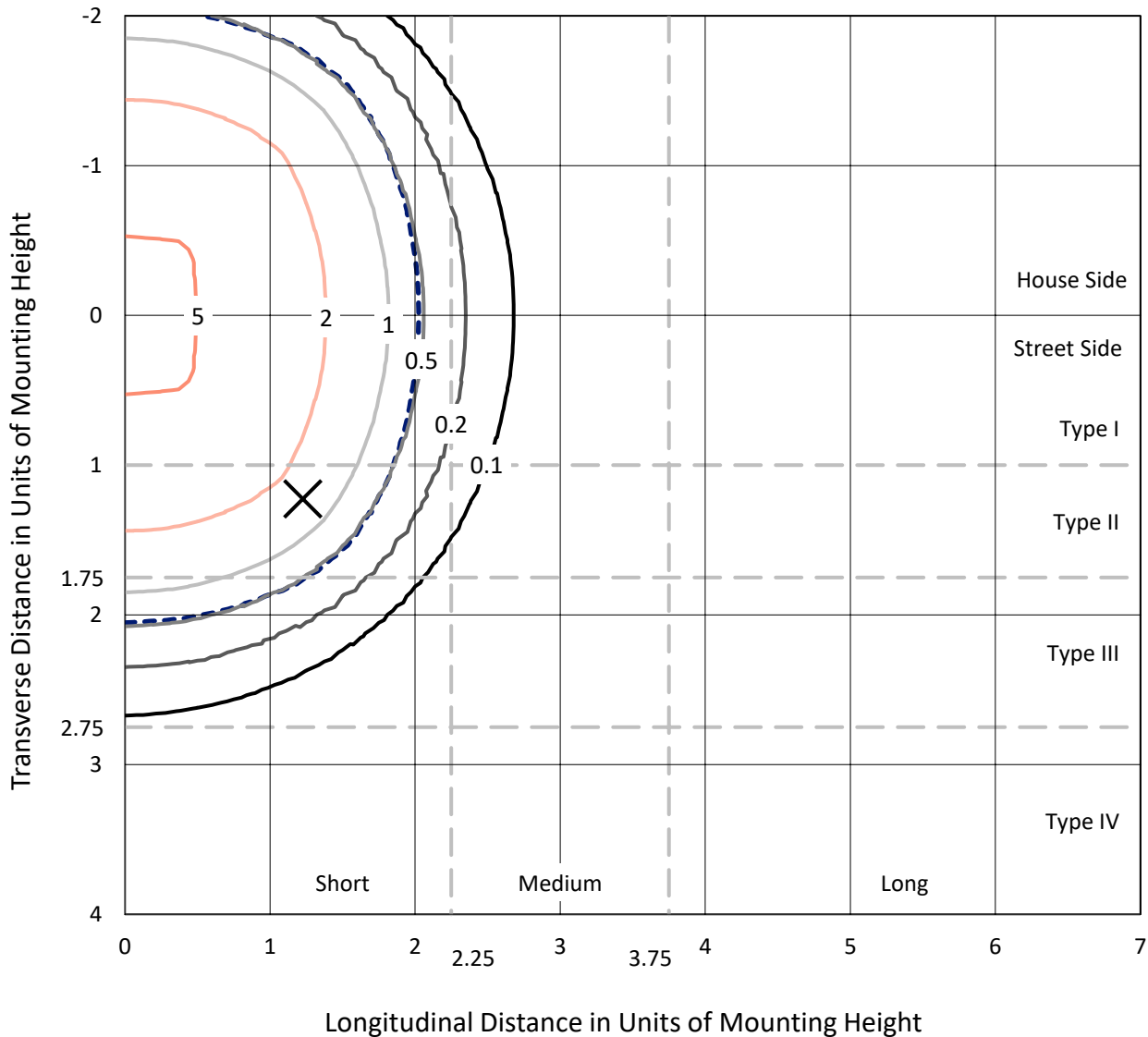
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

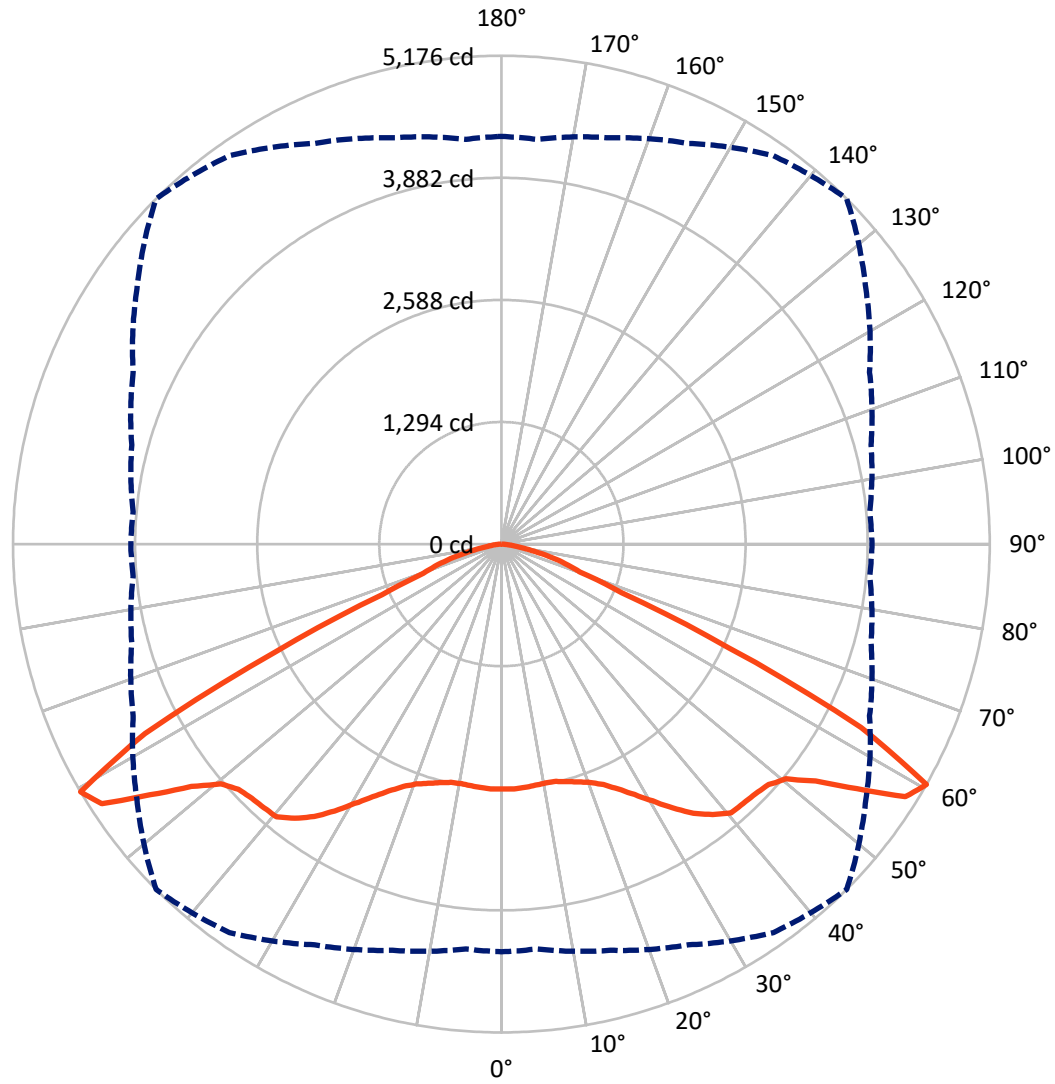
✕ Max cd
 - - - 1/2 Max cd



Based on 20 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 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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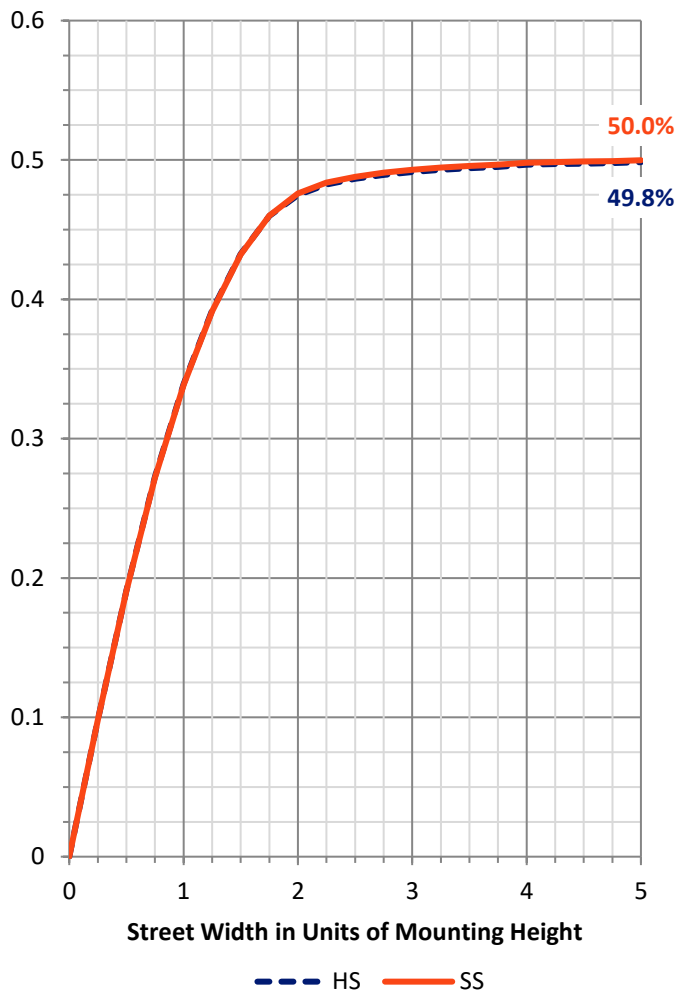
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7102.3 | 0.0 | 7102.3 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 7102.3 | 0.0 | 7102.3 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 14204.6 | 0.0 | 14204.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 246.2 | 1.7 |
| 10°-20° | 740.5 | 5.2 |
| 20°-30° | 1310.0 | 9.2 |
| 30°-40° | 2109.2 | 14.8 |
| 40°-50° | 2899.0 | 20.4 |
| 50°-60° | 3863.2 | 27.2 |
| 60°-70° | 2407.7 | 17.0 |
| 70°-80° | 553.7 | 3.9 |
| 80°-90° | 75.1 | 0.5 |
| 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° | 14204.6 | 100.0 |
| 0°-180° | 14204.6 | 100.0 |

Coefficient of Utilization



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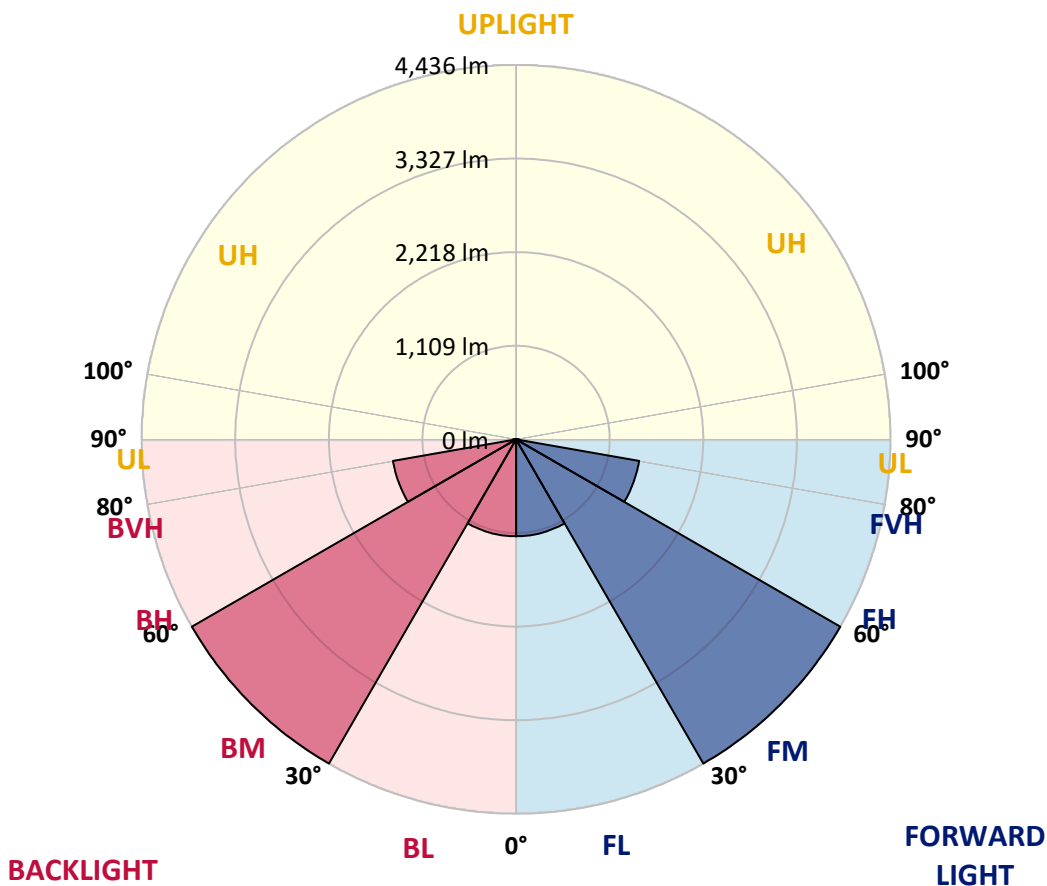
CATALOG NUMBER: GWS-SA6B-830-U-5WQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1148.3 | 8.1 | | | |
| FM (30°-60°) | 4435.7 | 31.2 | | | |
| FH (60°-80°) | 1480.7 | 10.4 | | | G1/1800 |
| FVH (80°-90°) | 37.6 | 0.3 | | | G1/100 |
| BL (0°-30°) | 1148.3 | 8.1 | B3/2500 | | |
| BM (30°-60°) | 4435.7 | 31.2 | B3/5000 | | |
| BH (60°-80°) | 1480.7 | 10.4 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 37.6 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2595.9 | 2595.9 | 2595.9 | 2595.9 | 2595.9 | 2595.9 | 2595.9 | 2595.9 | 2595.9 | 2595.9 | 2595.9 |
| 2.5° | 2577.8 | 2580.2 | 2585.0 | 2588.6 | 2593.5 | 2598.3 | 2600.7 | 2595.9 | 2593.5 | 2583.8 | 2594.7 |
| 5° | 2580.2 | 2582.6 | 2586.2 | 2586.2 | 2587.4 | 2591.0 | 2591.0 | 2585.0 | 2579.0 | 2568.1 | 2580.2 |
| 7.5° | 2576.6 | 2579.0 | 2580.2 | 2579.0 | 2580.2 | 2581.4 | 2579.0 | 2571.8 | 2565.7 | 2556.1 | 2565.7 |
| 10° | 2570.6 | 2573.0 | 2575.4 | 2573.0 | 2570.6 | 2574.2 | 2574.2 | 2569.3 | 2565.7 | 2556.1 | 2566.9 |
| 12.5° | 2583.8 | 2587.4 | 2588.6 | 2582.6 | 2580.2 | 2581.4 | 2581.4 | 2576.6 | 2576.6 | 2568.1 | 2580.2 |
| 15° | 2615.2 | 2617.6 | 2614.0 | 2606.7 | 2607.9 | 2611.5 | 2603.1 | 2591.0 | 2588.6 | 2585.0 | 2594.7 |
| 17.5° | 2639.3 | 2641.7 | 2638.1 | 2633.2 | 2641.7 | 2650.1 | 2634.5 | 2611.5 | 2604.3 | 2601.9 | 2612.8 |
| 20° | 2665.8 | 2669.4 | 2664.6 | 2670.6 | 2687.5 | 2697.1 | 2677.9 | 2646.5 | 2632.0 | 2628.4 | 2641.7 |
| 22.5° | 2709.2 | 2714.0 | 2714.0 | 2727.3 | 2752.6 | 2768.3 | 2744.2 | 2702.0 | 2680.3 | 2674.2 | 2687.5 |
| 25° | 2777.9 | 2781.5 | 2785.2 | 2811.7 | 2852.7 | 2874.4 | 2835.8 | 2777.9 | 2747.8 | 2738.1 | 2745.4 |
| 27.5° | 2873.2 | 2879.2 | 2885.2 | 2923.8 | 2974.5 | 3005.8 | 2950.3 | 2878.0 | 2840.6 | 2821.3 | 2835.8 |
| 30° | 2986.5 | 2995.0 | 3009.4 | 3052.8 | 3124.0 | 3158.9 | 3087.8 | 2999.8 | 2957.6 | 2937.1 | 2956.4 |
| 32.5° | 3140.8 | 3142.1 | 3152.9 | 3201.1 | 3295.2 | 3335.0 | 3245.7 | 3148.1 | 3104.7 | 3080.6 | 3091.4 |
| 35° | 3324.1 | 3325.3 | 3308.4 | 3357.9 | 3459.2 | 3503.8 | 3398.9 | 3300.0 | 3263.8 | 3256.6 | 3284.3 |
| 37.5° | 3512.2 | 3501.4 | 3484.5 | 3506.2 | 3608.7 | 3637.6 | 3526.7 | 3442.3 | 3426.6 | 3439.9 | 3480.9 |
| 40° | 3646.0 | 3627.9 | 3594.2 | 3609.9 | 3713.6 | 3747.3 | 3629.2 | 3549.6 | 3544.8 | 3577.3 | 3626.7 |
| 42.5° | 3732.8 | 3713.6 | 3673.8 | 3673.8 | 3744.9 | 3759.4 | 3667.7 | 3625.5 | 3636.4 | 3673.8 | 3720.8 |
| 45° | 3775.0 | 3764.2 | 3741.3 | 3729.2 | 3769.0 | 3775.0 | 3705.1 | 3688.2 | 3708.7 | 3726.8 | 3763.0 |
| 47.5° | 3807.6 | 3807.6 | 3800.4 | 3788.3 | 3806.4 | 3810.0 | 3758.2 | 3753.3 | 3779.9 | 3779.9 | 3804.0 |
| 50° | 3865.5 | 3871.5 | 3881.1 | 3878.7 | 3898.0 | 3910.1 | 3871.5 | 3864.3 | 3875.1 | 3840.2 | 3852.2 |
| 52.5° | 4017.4 | 4033.1 | 4060.8 | 4082.5 | 4131.9 | 4169.3 | 4100.6 | 4042.7 | 3986.0 | 3908.9 | 3911.3 |
| 55° | 4289.9 | 4297.1 | 4351.4 | 4415.3 | 4498.5 | 4574.4 | 4433.4 | 4253.7 | 4130.7 | 4040.3 | 4041.5 |
| 57.5° | 4520.2 | 4531.0 | 4610.6 | 4744.4 | 4931.3 | 5049.5 | 4737.2 | 4437.0 | 4263.4 | 4152.4 | 4156.0 |
| 60° | 4321.2 | 4306.8 | 4457.5 | 4686.6 | 5025.4 | 5176.1 | 4715.5 | 4305.6 | 4056.0 | 3918.5 | 3928.2 |
| 62.5° | 3343.4 | 3315.7 | 3483.3 | 3723.2 | 4129.5 | 4280.2 | 3855.8 | 3462.8 | 3226.5 | 3119.1 | 3103.5 |
| 65° | 2035.2 | 2009.9 | 2130.5 | 2277.6 | 2552.5 | 2647.7 | 2453.6 | 2245.0 | 2038.8 | 1973.7 | 1955.6 |
| 67.5° | 1108.0 | 1104.4 | 1137.0 | 1209.3 | 1329.9 | 1374.5 | 1337.1 | 1238.3 | 1185.2 | 1139.4 | 1139.4 |
| 70° | 879.0 | 871.7 | 865.7 | 866.9 | 877.7 | 883.8 | 885.0 | 880.2 | 886.2 | 887.4 | 882.6 |
| 72.5° | 728.2 | 725.8 | 713.8 | 715.0 | 710.2 | 707.7 | 716.2 | 721.0 | 730.7 | 731.9 | 731.9 |
| 75° | 528.1 | 522.1 | 528.1 | 529.3 | 524.5 | 524.5 | 530.5 | 529.3 | 534.1 | 536.5 | 523.3 |
| 77.5° | 300.2 | 300.2 | 308.7 | 318.3 | 325.5 | 325.5 | 331.6 | 331.6 | 337.6 | 336.4 | 334.0 |
| 80° | 165.2 | 165.2 | 170.0 | 176.0 | 183.3 | 190.5 | 196.5 | 197.7 | 201.4 | 200.1 | 196.5 |
| 82.5° | 94.0 | 95.3 | 97.7 | 101.3 | 108.5 | 114.5 | 120.6 | 121.8 | 125.4 | 125.4 | 121.8 |
| 85° | 44.6 | 43.4 | 44.6 | 47.0 | 50.6 | 55.5 | 61.5 | 65.1 | 67.5 | 67.5 | 65.1 |
| 87.5° | 8.4 | 9.6 | 8.4 | 9.6 | 10.9 | 14.5 | 16.9 | 19.3 | 22.9 | 24.1 | 21.7 |
| 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)