

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: P634404

Luminaire Tested: GWS-SA3B-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634404  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-760-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8788.2 lumens  
Efficiency: N/A  
Efficacy: 128.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 68.3  
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

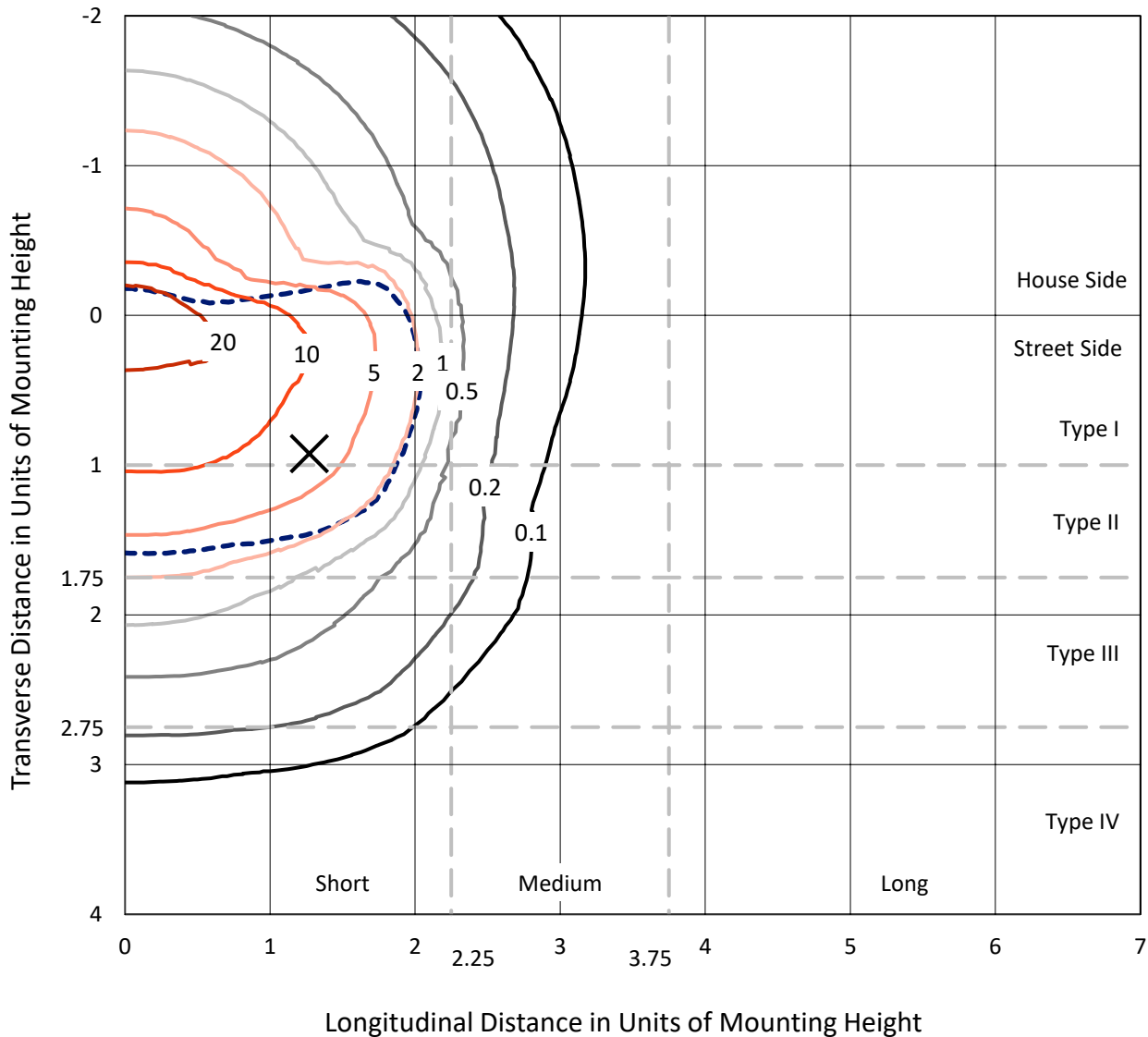


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### Iso-Footcandle Lines of Horizontal Illumination

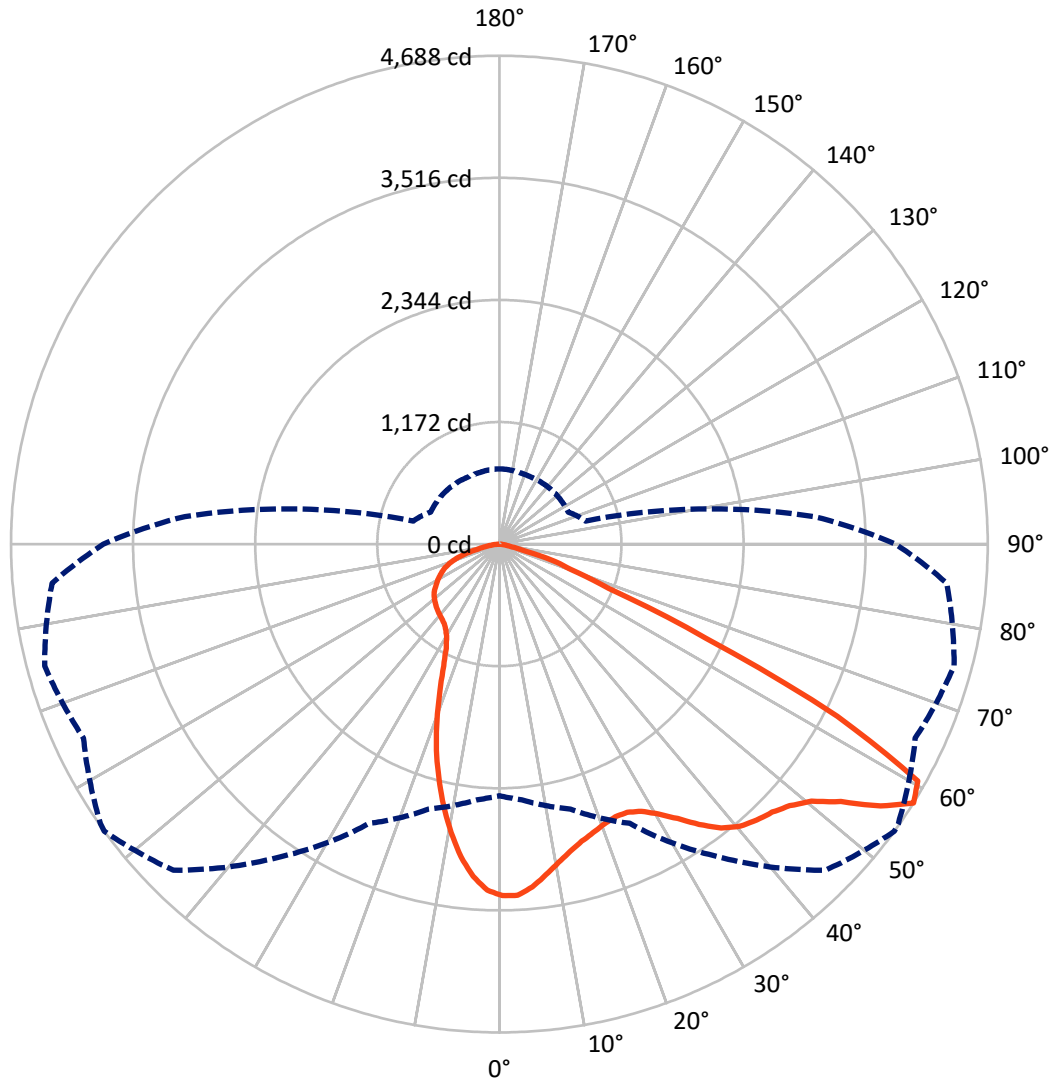
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 33.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2554.8	0.0	2554.8
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	6233.4	0.0	6233.4
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	8788.2	0.0	8788.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	296.6	3.4
10°-20°	707.7	8.1
20°-30°	979.3	11.1
30°-40°	1360.7	15.5
40°-50°	1797.1	20.4
50°-60°	2135.6	24.3
60°-70°	1183.2	13.5
70°-80°	294.6	3.4
80°-90°	33.5	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°	8788.2	100.0
0°-180°	8788.2	100.0

**Coefficient of Utilization**



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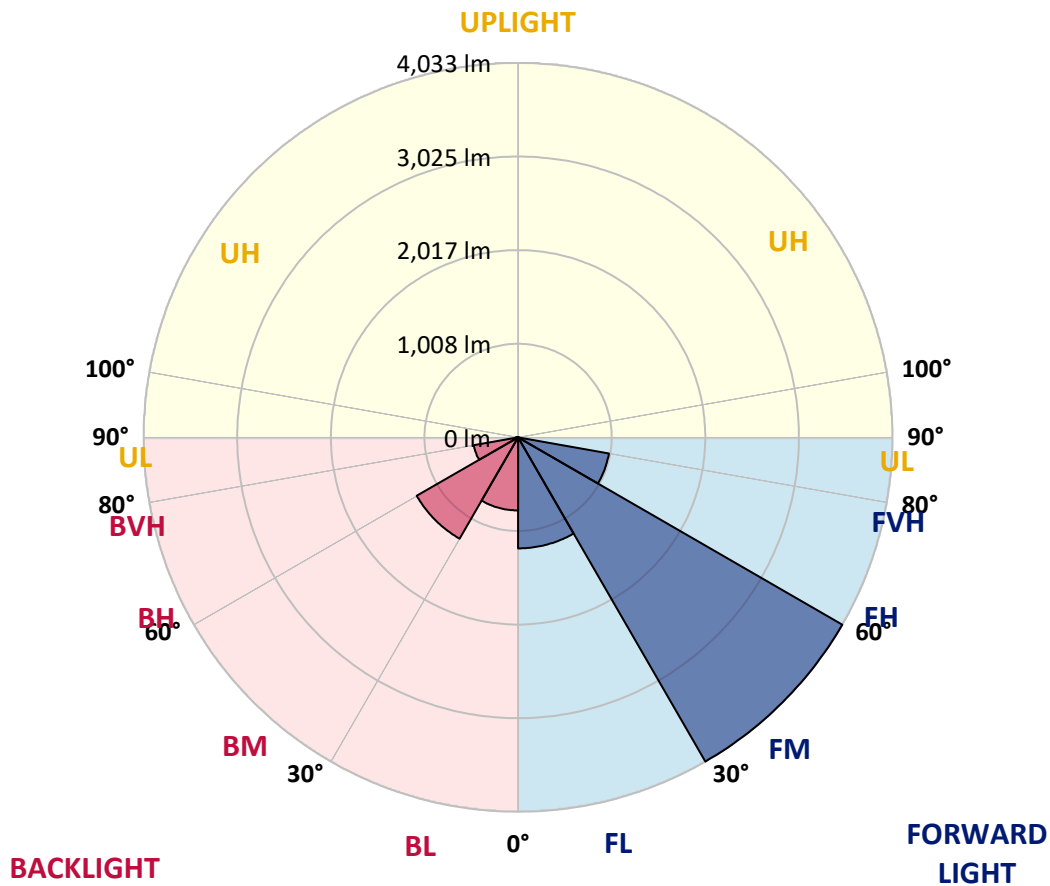
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1196.2	13.6			
FM (30°-60°)	4033.0	45.9			
FH (60°-80°)	993.6	11.3			G1/1800
FVH (80°-90°)	10.5	0.1			G1/100
BL (0°-30°)	787.3	9.0	B2/1000		
BM (30°-60°)	1260.4	14.3	B2/2500		
BH (60°-80°)	484.2	5.5	B1/500		G1/500
BVH (80°-90°)	23.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	3374.0	3374.0	3374.0	3374.0	3374.0	3374.0	3374.0	3374.0	3374.0	3374.0	3374.0
2.5°	3310.8	3317.6	3322.1	3337.9	3351.4	3363.5	3376.2	3376.2	3375.5	3373.2	3368.7
5°	3179.9	3187.4	3198.0	3219.8	3249.1	3270.2	3304.8	3307.8	3322.8	3328.9	3325.8
7.5°	3027.9	3030.2	3043.7	3072.3	3119.0	3156.6	3206.2	3212.2	3248.4	3269.4	3265.7
10°	2861.7	2854.2	2878.2	2920.4	2981.3	3044.5	3108.4	3113.7	3171.6	3211.5	3208.5
12.5°	2709.7	2710.5	2734.5	2785.7	2861.7	2939.9	3025.7	3037.7	3109.2	3160.3	3155.1
15°	2582.6	2585.6	2614.9	2672.9	2759.4	2852.7	2959.5	2970.8	3061.0	3128.7	3113.7
17.5°	2481.0	2484.0	2509.6	2575.8	2668.3	2781.2	2911.3	2922.6	3034.7	3115.2	3084.4
20°	2411.1	2409.6	2434.4	2497.6	2593.1	2715.7	2869.2	2885.8	3026.4	3120.5	3064.8
22.5°	2382.5	2381.7	2399.8	2451.7	2541.2	2665.3	2843.6	2866.2	3035.5	3143.8	3052.8
25°	2396.8	2393.8	2409.6	2447.9	2519.4	2645.8	2851.2	2875.2	3073.8	3191.9	3055.0
27.5°	2441.2	2437.4	2450.9	2485.5	2539.7	2666.1	2903.8	2931.6	3155.1	3280.0	3085.1
30°	2508.9	2506.6	2520.1	2553.2	2600.6	2733.8	3004.6	3036.2	3280.7	3416.9	3150.6
32.5°	2587.9	2584.1	2608.2	2646.5	2701.4	2857.2	3140.0	3181.4	3429.7	3592.9	3260.4
35°	2676.6	2673.6	2706.7	2762.4	2841.4	3028.7	3304.0	3349.2	3581.6	3792.3	3406.3
37.5°	2763.1	2763.1	2827.1	2909.8	3009.1	3215.3	3458.2	3486.8	3686.9	3969.0	3562.8
40°	2839.9	2844.4	2940.7	3064.8	3191.2	3383.8	3559.8	3583.9	3733.6	4090.9	3699.0
42.5°	2924.9	2928.6	3040.7	3203.2	3353.7	3519.9	3621.5	3633.5	3742.6	4151.9	3795.3
45°	2992.6	2997.8	3137.0	3310.8	3495.1	3622.2	3670.4	3680.9	3755.4	4185.0	3865.2
47.5°	3027.9	3035.5	3194.9	3397.3	3590.6	3714.0	3750.9	3755.4	3808.1	4242.9	3949.5
50°	3021.9	3037.0	3216.8	3440.2	3661.4	3806.6	3880.3	3887.8	3915.6	4327.9	4048.0
52.5°	3075.3	3082.1	3263.4	3491.3	3762.2	3977.3	4105.2	4115.7	4103.0	4391.8	4106.7
55°	2986.6	3018.9	3205.5	3483.8	3915.6	4241.4	4438.5	4433.2	4273.0	4463.3	4204.5
57.5°	2415.6	2463.0	2633.7	2957.2	3662.9	4426.4	4687.5	4674.7	4404.6	4518.2	4310.6
60°	1672.3	1679.8	1834.1	2063.5	2827.1	3910.4	4614.5	4642.3	4428.7	4449.0	4114.2
62.5°	1337.6	1335.3	1349.6	1355.6	1798.0	2748.8	3642.6	3744.1	3679.4	3466.5	2915.8
65°	1142.0	1150.2	1192.4	1170.6	1173.6	1548.2	2176.4	2190.6	2145.5	2068.8	1542.2
67.5°	893.7	908.0	982.5	1067.5	1040.4	996.8	1129.2	1122.4	884.7	684.6	565.7
70°	559.7	568.7	648.5	838.0	905.7	818.5	726.0	722.9	473.9	389.7	427.3
72.5°	326.5	328.0	350.6	467.2	601.1	559.7	534.1	514.6	304.7	310.7	340.8
75°	179.8	179.8	179.0	201.6	237.0	209.9	203.1	197.9	203.9	231.0	253.5
77.5°	37.6	38.4	40.6	53.4	69.2	84.3	106.1	106.8	133.2	154.2	172.3
80°	17.3	18.1	22.6	28.6	36.9	48.9	64.7	65.4	80.5	97.0	109.1
82.5°	9.0	9.8	12.0	15.0	19.6	25.6	36.1	36.1	48.1	57.2	64.7
85°	3.0	3.0	4.5	6.0	8.3	10.5	14.3	14.3	21.1	27.8	32.3
87.5°	0.0	0.0	0.0	0.0	0.8	1.5	3.0	3.0	3.8	4.5	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3374.0	3374.0	3374.0	3374.0	3374.0	3374.0	3374.0	3374.0	3374.0	3374.0	3374.0
2.5°	3358.9	3335.6	3336.4	3340.9	3326.6	3304.8	3290.5	3272.4	3261.1	3258.9	3267.2
5°	3310.8	3283.7	3264.9	3245.3	3204.7	3156.6	3119.0	3088.1	3067.8	3060.3	3051.3
7.5°	3244.6	3209.2	3161.8	3106.9	3033.2	2947.4	2887.3	2830.8	2791.7	2780.4	2775.2
10°	3178.4	3127.2	3043.0	2940.7	2818.1	2702.2	2593.1	2509.6	2443.4	2405.8	2417.8
12.5°	3109.9	3046.7	2915.1	2757.9	2587.1	2412.6	2269.6	2131.2	2024.4	1971.0	1955.2
15°	3049.8	2964.0	2780.4	2567.5	2340.4	2120.7	1913.8	1706.2	1570.8	1497.0	1476.7
17.5°	2998.6	2887.3	2638.3	2373.5	2101.9	1788.9	1534.7	1342.1	1249.5	1208.9	1205.9
20°	2948.2	2812.0	2497.6	2164.3	1826.5	1476.0	1248.8	1158.5	1125.4	1111.1	1110.4
22.5°	2903.1	2733.0	2349.4	1955.2	1552.7	1240.5	1115.6	1076.5	1067.5	1067.5	1066.0
25°	2864.7	2654.1	2197.4	1733.3	1305.2	1104.4	1046.4	1029.9	1033.6	1040.4	1041.2
27.5°	2848.9	2592.4	2050.7	1505.3	1134.4	1025.4	999.0	996.8	1007.3	1017.8	1019.3
30°	2865.4	2550.2	1900.3	1287.2	1032.1	977.2	965.2	969.7	982.5	993.0	993.0
32.5°	2916.6	2529.2	1746.8	1127.7	972.7	943.4	939.6	944.1	953.9	959.9	960.7
35°	3003.1	2537.5	1588.1	1020.1	934.3	918.5	917.8	920.8	924.6	928.3	929.1
37.5°	3112.2	2574.3	1418.1	957.7	909.5	900.5	899.0	898.2	899.0	899.0	899.7
40°	3219.0	2630.0	1266.1	920.8	892.2	884.7	880.9	875.7	874.9	873.4	872.6
42.5°	3298.0	2672.9	1145.0	894.5	876.4	867.4	862.9	854.6	853.8	853.1	852.3
45°	3357.4	2709.0	1044.2	868.9	859.9	851.6	841.8	834.3	835.8	837.3	837.3
47.5°	3424.4	2740.6	970.4	844.8	839.5	831.3	819.2	814.0	819.2	824.5	824.5
50°	3505.6	2785.0	910.3	820.7	818.5	808.7	798.2	795.9	801.9	809.5	809.5
52.5°	3565.1	2823.3	867.4	796.7	796.7	783.9	774.9	774.1	780.9	788.4	789.1
55°	3676.4	2912.8	852.3	768.8	765.8	756.0	749.3	744.0	752.3	759.1	759.1
57.5°	3802.0	3031.7	856.1	729.0	725.2	722.2	716.9	710.9	713.2	720.7	721.4
60°	3535.7	2801.5	814.7	689.1	686.8	685.3	678.6	668.0	671.0	677.1	677.8
62.5°	2469.7	1861.9	659.0	639.4	647.0	646.2	637.2	625.1	625.9	634.2	634.2
65°	1281.9	1007.3	578.5	594.3	605.6	601.1	586.0	575.5	574.0	584.5	582.3
67.5°	552.9	549.9	526.6	546.9	558.9	549.2	533.4	516.1	517.6	521.3	518.3
70°	445.4	458.9	468.7	490.5	500.3	482.2	464.9	455.1	446.9	446.1	440.8
72.5°	355.8	374.6	396.5	419.0	422.0	404.0	382.2	373.1	360.3	359.6	354.3
75°	267.8	283.6	300.9	319.0	319.0	301.7	287.4	282.9	267.8	263.3	258.8
77.5°	182.8	192.6	206.1	210.6	215.2	208.4	194.1	186.6	169.3	164.7	158.7
80°	115.1	121.9	130.1	133.2	137.7	129.4	118.1	109.8	97.8	94.0	91.0
82.5°	69.2	73.7	79.0	80.5	84.3	78.2	67.7	61.7	54.9	51.9	49.7
85°	35.4	37.6	40.6	41.4	40.6	34.6	30.8	27.8	23.3	22.6	21.1
87.5°	9.0	10.5	11.3	10.5	9.8	7.5	5.3	3.8	1.5	1.5	0.8
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)