

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: P634294

Luminaire Tested: GWS-SA3B-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634294  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

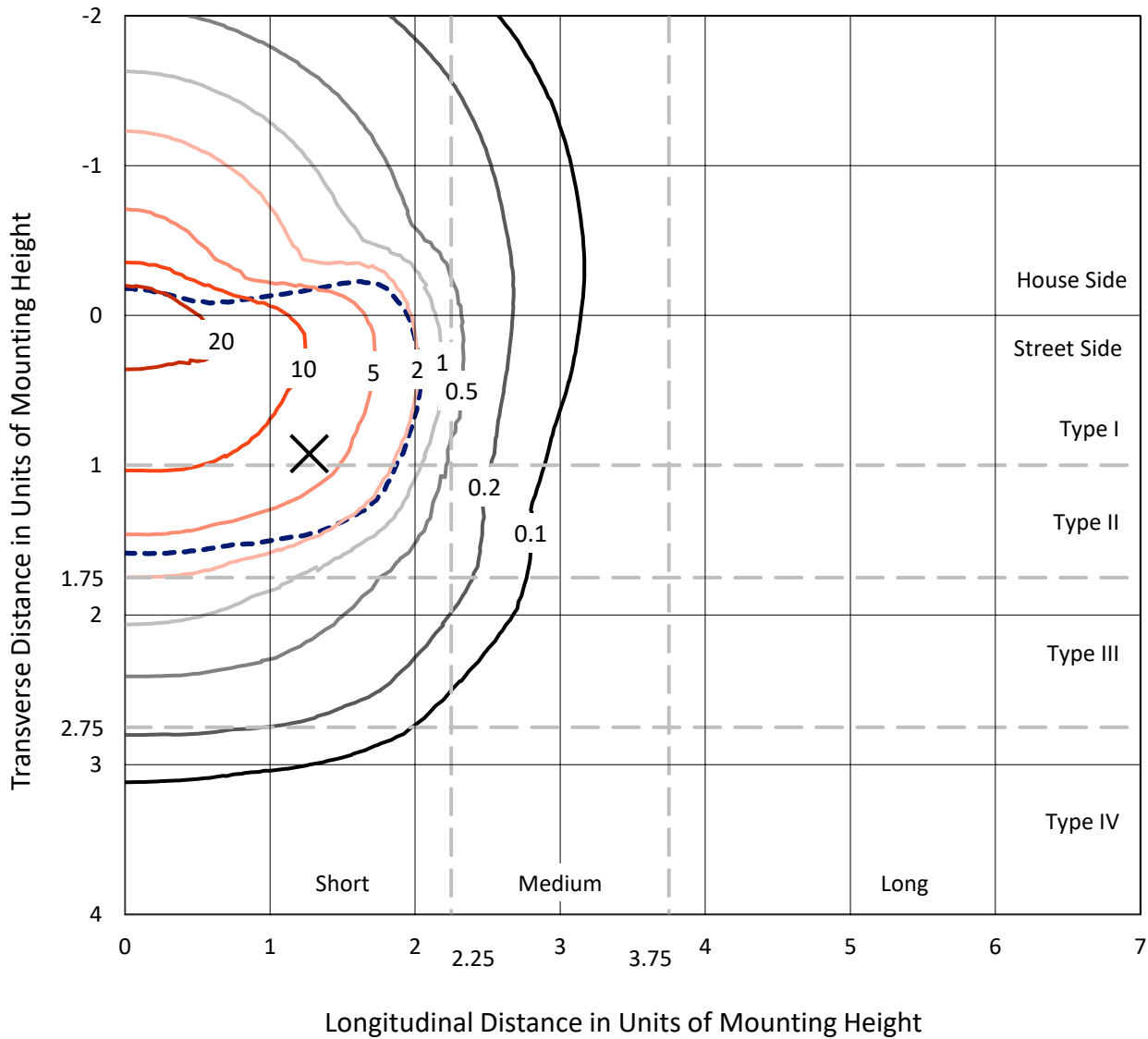
Lumens per Lamp: N/A  
Luminaire Lumens: 8710.7 lumens  
Efficiency: N/A  
Efficacy: 127.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

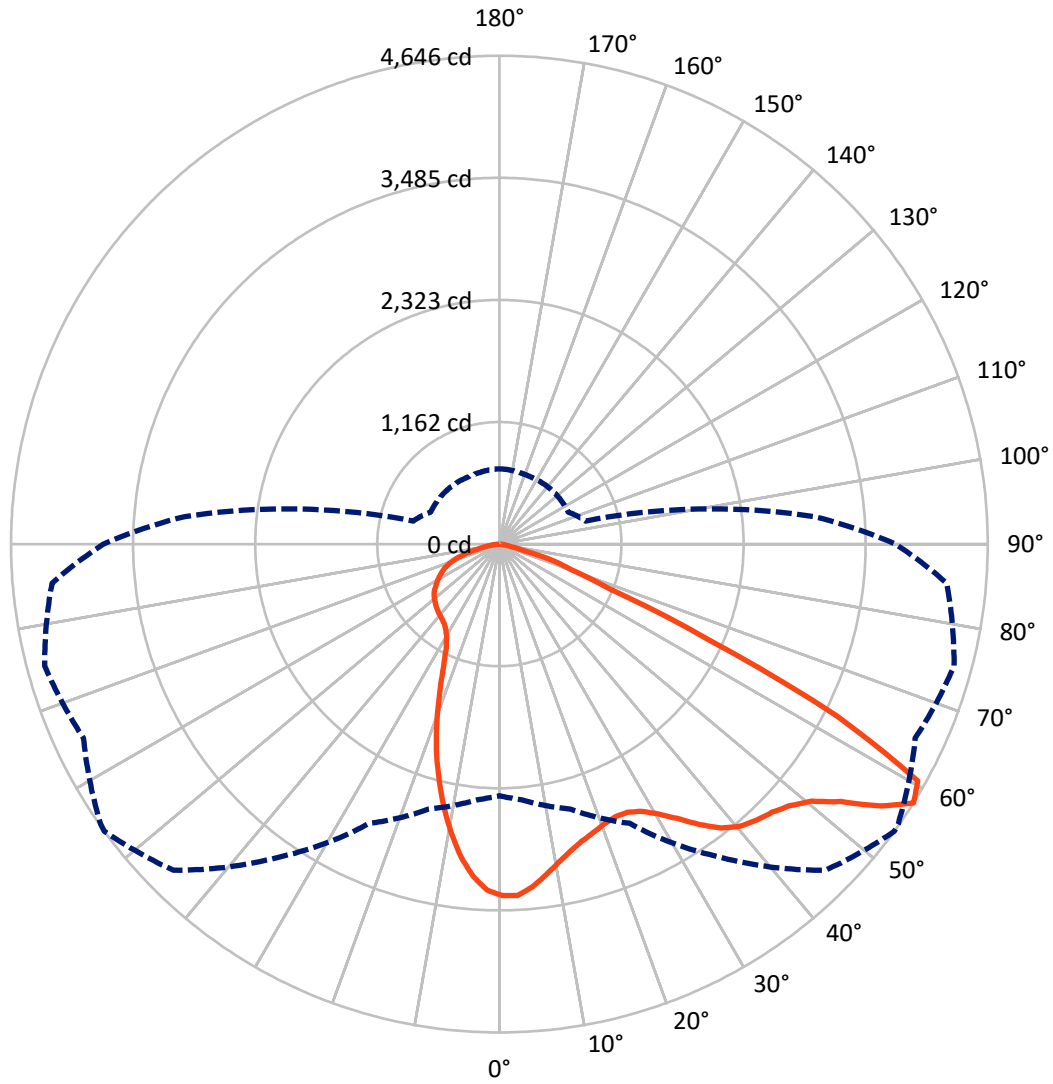
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 33.4 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	2532.3	0.0	2532.3
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	6178.4	0.0	6178.4
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	8710.7	0.0	8710.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	294.0	3.4
10°-20°	701.4	8.1
20°-30°	970.6	11.1
30°-40°	1348.7	15.5
40°-50°	1781.3	20.4
50°-60°	2116.8	24.3
60°-70°	1172.7	13.5
70°-80°	292.0	3.4
80°-90°	33.2	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°	8710.7	100.0
0°-180°	8710.7	100.0

**Coefficient of Utilization**



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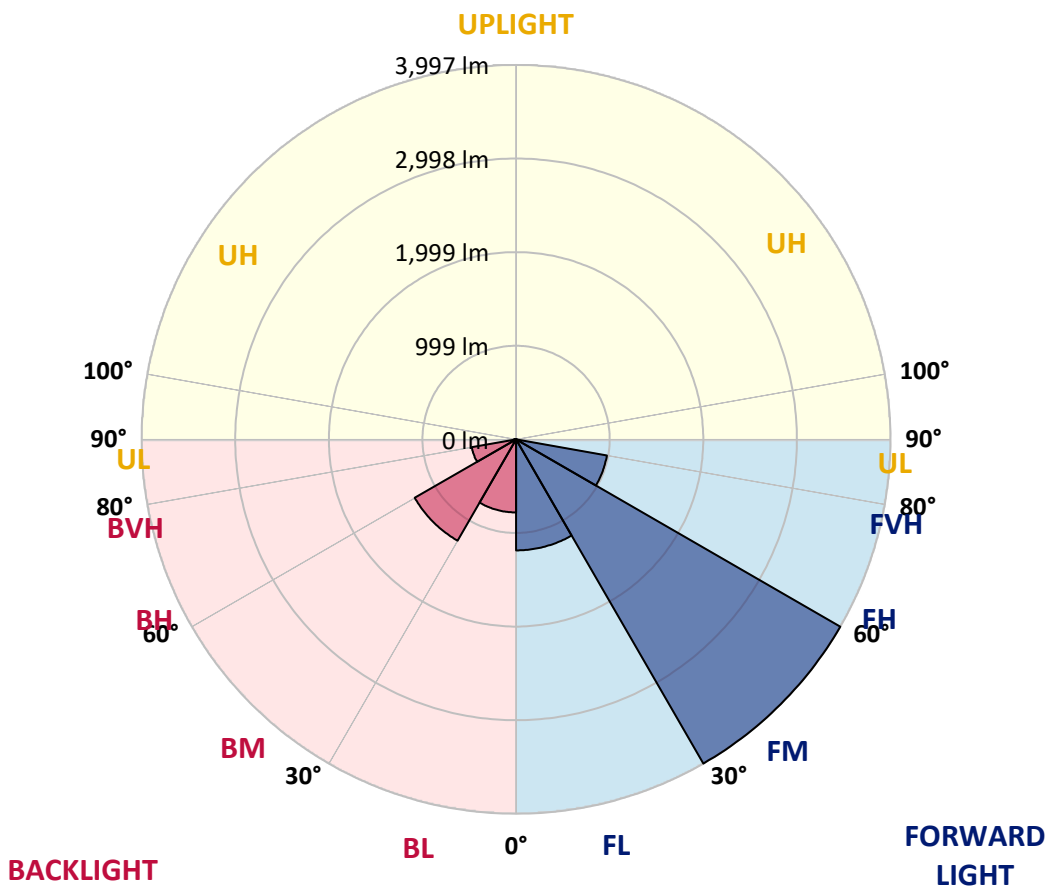
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1185.7	13.6			
FM (30°-60°)	3997.5	45.9			
FH (60°-80°)	984.9	11.3			G1/1800
FVH (80°-90°)	10.4	0.1			G1/100
BL (0°-30°)	780.3	9.0	B2/1000		
BM (30°-60°)	1249.2	14.3	B2/2500		
BH (60°-80°)	479.9	5.5	B1/500		G1/500
BVH (80°-90°)	22.8	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°	3344.2	3344.2	3344.2	3344.2	3344.2	3344.2	3344.2	3344.2	3344.2	3344.2	3344.2
2.5°	3281.6	3288.3	3292.8	3308.4	3321.9	3333.8	3346.5	3346.5	3345.7	3343.5	3339.0
5°	3151.9	3159.3	3169.8	3191.4	3220.5	3241.3	3275.6	3278.6	3293.5	3299.5	3296.5
7.5°	3001.2	3003.5	3016.9	3045.2	3091.5	3128.7	3178.0	3183.9	3219.7	3240.6	3236.9
10°	2836.4	2829.0	2852.9	2894.6	2955.0	3017.6	3081.0	3086.2	3143.7	3183.2	3180.2
12.5°	2685.8	2686.6	2710.4	2761.1	2836.4	2914.0	2999.0	3010.9	3081.8	3132.5	3127.3
15°	2559.8	2562.8	2591.9	2649.3	2735.0	2827.5	2933.4	2944.6	3034.0	3101.2	3086.2
17.5°	2459.2	2462.1	2487.5	2553.1	2644.8	2756.7	2885.7	2896.8	3007.9	3087.7	3057.2
20°	2389.8	2388.3	2412.9	2475.6	2570.3	2691.8	2843.9	2860.3	2999.7	3093.0	3037.8
22.5°	2361.5	2360.7	2378.6	2430.1	2518.8	2641.8	2818.6	2840.9	3008.7	3116.1	3025.8
25°	2375.6	2372.7	2388.3	2426.3	2497.2	2622.4	2826.0	2849.9	3046.7	3163.8	3028.1
27.5°	2419.6	2415.9	2429.3	2463.6	2517.3	2642.6	2878.2	2905.8	3127.3	3251.0	3057.9
30°	2486.7	2484.5	2497.9	2530.7	2577.7	2709.7	2978.1	3009.4	3251.8	3386.7	3122.8
32.5°	2565.0	2561.3	2585.2	2623.2	2677.6	2832.0	3112.3	3153.3	3399.4	3561.2	3231.6
35°	2653.0	2650.0	2682.8	2738.0	2816.3	3002.0	3274.9	3319.6	3550.0	3758.8	3376.3
37.5°	2738.8	2738.8	2802.1	2884.2	2982.6	3186.9	3427.7	3456.1	3654.4	3934.0	3531.4
40°	2814.8	2819.3	2914.7	3037.8	3163.0	3353.9	3528.4	3552.3	3700.7	4054.8	3666.4
42.5°	2899.1	2902.8	3013.9	3175.0	3324.1	3488.9	3589.6	3601.5	3709.6	4115.2	3761.8
45°	2966.2	2971.4	3109.4	3281.6	3464.3	3590.3	3638.0	3648.5	3722.3	4148.0	3831.1
47.5°	3001.2	3008.7	3166.8	3367.4	3559.0	3681.3	3717.8	3722.3	3774.5	4205.5	3914.7
50°	2995.3	3010.2	3188.4	3409.9	3629.1	3773.0	3846.1	3853.5	3881.1	4289.7	4012.3
52.5°	3048.2	3054.9	3234.6	3460.6	3729.0	3942.2	4069.0	4079.4	4066.8	4353.1	4070.5
55°	2960.2	2992.3	3177.2	3453.1	3881.1	4204.0	4399.3	4394.1	4235.3	4423.9	4167.4
57.5°	2394.3	2441.3	2610.5	2931.1	3630.6	4387.4	4646.1	4633.5	4365.8	4478.4	4272.6
60°	1657.6	1665.0	1817.9	2045.3	2802.1	3875.9	4573.8	4601.4	4389.6	4409.8	4078.0
62.5°	1325.8	1323.5	1337.7	1343.7	1782.1	2724.6	3610.4	3711.1	3647.0	3436.0	2890.1
65°	1131.9	1140.1	1181.9	1160.2	1163.2	1534.5	2157.2	2171.3	2126.6	2050.5	1528.6
67.5°	885.8	900.0	973.8	1058.1	1031.2	988.0	1119.2	1112.5	876.9	678.5	560.7
70°	554.8	563.7	642.7	830.7	897.8	811.3	719.6	716.6	469.8	386.2	423.5
72.5°	323.6	325.1	347.5	463.0	595.8	554.8	529.4	510.0	302.0	308.0	337.8
75°	178.2	178.2	177.5	199.8	234.9	208.0	201.3	196.1	202.1	228.9	251.3
77.5°	37.3	38.0	40.3	52.9	68.6	83.5	105.1	105.9	132.0	152.9	170.8
80°	17.1	17.9	22.4	28.3	36.5	48.5	64.1	64.9	79.8	96.2	108.1
82.5°	8.9	9.7	11.9	14.9	19.4	25.4	35.8	35.8	47.7	56.7	64.1
85°	3.0	3.0	4.5	6.0	8.2	10.4	14.2	14.2	20.9	27.6	32.1
87.5°	0.0	0.0	0.0	0.0	0.7	1.5	3.0	3.0	3.7	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°	3344.2	3344.2	3344.2	3344.2	3344.2	3344.2	3344.2	3344.2	3344.2	3344.2	3344.2
2.5°	3329.3	3306.2	3307.0	3311.4	3297.3	3275.6	3261.5	3243.6	3232.4	3230.2	3238.4
5°	3281.6	3254.8	3236.1	3216.7	3176.5	3128.7	3091.5	3060.9	3040.8	3033.3	3024.4
7.5°	3216.0	3180.9	3134.0	3079.5	3006.5	2921.5	2861.8	2805.9	2767.1	2755.9	2750.7
10°	3150.4	3099.7	3016.2	2914.7	2793.2	2678.4	2570.3	2487.5	2421.9	2384.6	2396.5
12.5°	3082.5	3019.9	2889.4	2733.5	2564.3	2391.3	2249.6	2112.4	2006.5	1953.6	1937.9
15°	3022.9	2937.9	2755.9	2544.9	2319.7	2102.0	1896.9	1691.1	1556.9	1483.8	1463.7
17.5°	2972.2	2861.8	2615.0	2352.5	2083.3	1773.2	1521.1	1330.2	1238.5	1198.3	1195.3
20°	2922.2	2787.2	2475.6	2145.2	1810.4	1463.0	1237.8	1148.3	1115.5	1101.3	1100.6
22.5°	2877.5	2708.9	2328.7	1937.9	1539.0	1229.6	1105.8	1067.0	1058.1	1058.1	1056.6
25°	2839.4	2630.6	2178.0	1718.0	1293.7	1094.6	1037.2	1020.8	1024.5	1031.2	1032.0
27.5°	2823.8	2569.5	2032.6	1492.0	1124.4	1016.3	990.2	988.0	998.4	1008.9	1010.4
30°	2840.2	2527.7	1883.5	1275.8	1023.0	968.6	956.7	961.1	973.8	984.3	984.3
32.5°	2890.9	2506.9	1731.4	1117.7	964.1	935.0	931.3	935.8	945.5	951.4	952.2
35°	2976.6	2515.1	1574.1	1011.1	926.1	910.4	909.7	912.7	916.4	920.1	920.9
37.5°	3084.7	2551.6	1405.5	949.2	901.5	892.5	891.1	890.3	891.1	891.1	891.8
40°	3190.6	2606.8	1254.9	912.7	884.3	876.9	873.2	867.9	867.2	865.7	865.0
42.5°	3268.9	2649.3	1134.9	886.6	868.7	859.7	855.3	847.1	846.3	845.6	844.8
45°	3327.8	2685.1	1035.0	861.2	852.3	844.1	834.4	826.9	828.4	829.9	829.9
47.5°	3394.2	2716.4	961.9	837.4	832.1	823.9	812.0	806.8	812.0	817.2	817.2
50°	3474.7	2760.4	902.2	813.5	811.3	801.6	791.1	788.9	794.9	802.3	802.3
52.5°	3533.6	2798.4	859.7	789.6	789.6	777.0	768.0	767.3	774.0	781.4	782.2
55°	3644.0	2887.2	844.8	762.1	759.1	749.4	742.7	737.4	745.6	752.4	752.4
57.5°	3768.5	3005.0	848.5	722.5	718.8	715.8	710.6	704.6	706.9	714.3	715.1
60°	3504.6	2776.8	807.5	683.0	680.8	679.3	672.6	662.1	665.1	671.1	671.8
62.5°	2448.0	1845.5	653.2	633.8	641.3	640.5	631.6	619.6	620.4	628.6	628.6
65°	1270.6	998.4	573.4	589.1	600.2	595.8	580.9	570.4	568.9	579.4	577.1
67.5°	548.1	545.1	522.0	542.1	554.0	544.3	528.7	511.5	513.0	516.7	513.8
70°	441.4	454.8	464.5	486.2	495.9	478.0	460.8	451.1	442.9	442.2	437.0
72.5°	352.7	371.3	393.0	415.3	418.3	400.4	378.8	369.8	357.2	356.4	351.2
75°	265.5	281.1	298.3	316.2	316.2	299.0	284.8	280.4	265.5	261.0	256.5
77.5°	181.2	190.9	204.3	208.8	213.3	206.5	192.4	184.9	167.8	163.3	157.3
80°	114.1	120.8	129.0	132.0	136.5	128.3	117.1	108.9	96.9	93.2	90.2
82.5°	68.6	73.1	78.3	79.8	83.5	77.5	67.1	61.1	54.4	51.4	49.2
85°	35.0	37.3	40.3	41.0	40.3	34.3	30.6	27.6	23.1	22.4	20.9
87.5°	8.9	10.4	11.2	10.4	9.7	7.5	5.2	3.7	1.5	1.5	0.7
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)