

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: P642206

Luminaire Tested: GWS-SA6C-740-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642206  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-740-U-RW-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

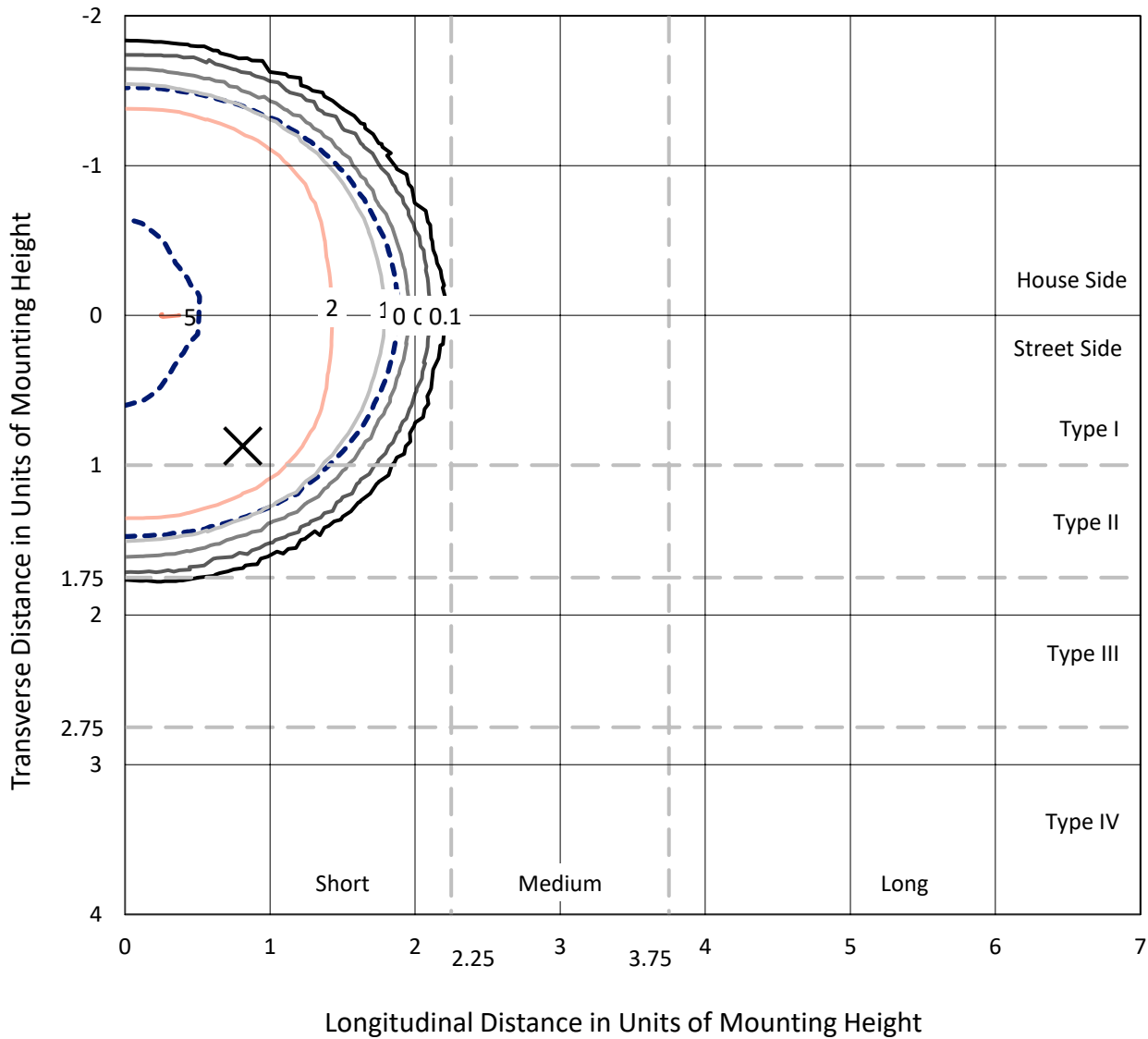
Lumens per Lamp: N/A  
Luminaire Lumens: 18403.3 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P642206  
 CATALOG NUMBER: GWS-SA6C-740-U-RW-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

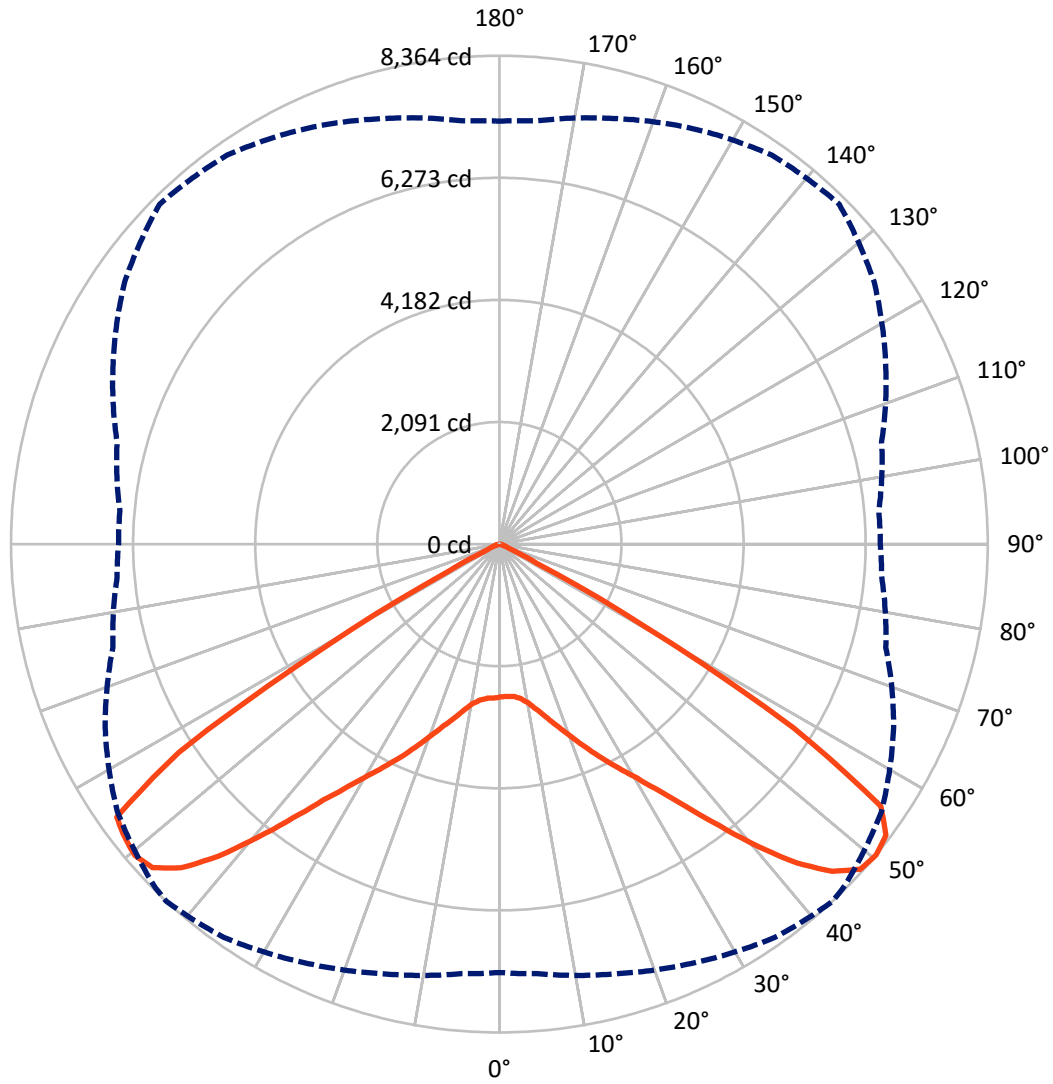
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type V - Short - N/A

REPORT NUMBER: P642206  
CATALOG NUMBER: GWS-SA6C-740-U-RW-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P642206  
 CATALOG NUMBER: GWS-SA6C-740-U-RW-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9201.4	0.0	9201.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9201.9	0.0	9201.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18403.3	0.0	18403.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	257.8	1.4
10°-20°	887.1	4.8
20°-30°	1794.7	9.8
30°-40°	3329.7	18.1
40°-50°	5527.2	30.0
50°-60°	5640.7	30.7
60°-70°	925.0	5.0
70°-80°	40.5	0.2
80°-90°	0.6	0.0
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°	18403.3	100.0
0°-180°	18403.3	100.0

**Coefficient of Utilization**



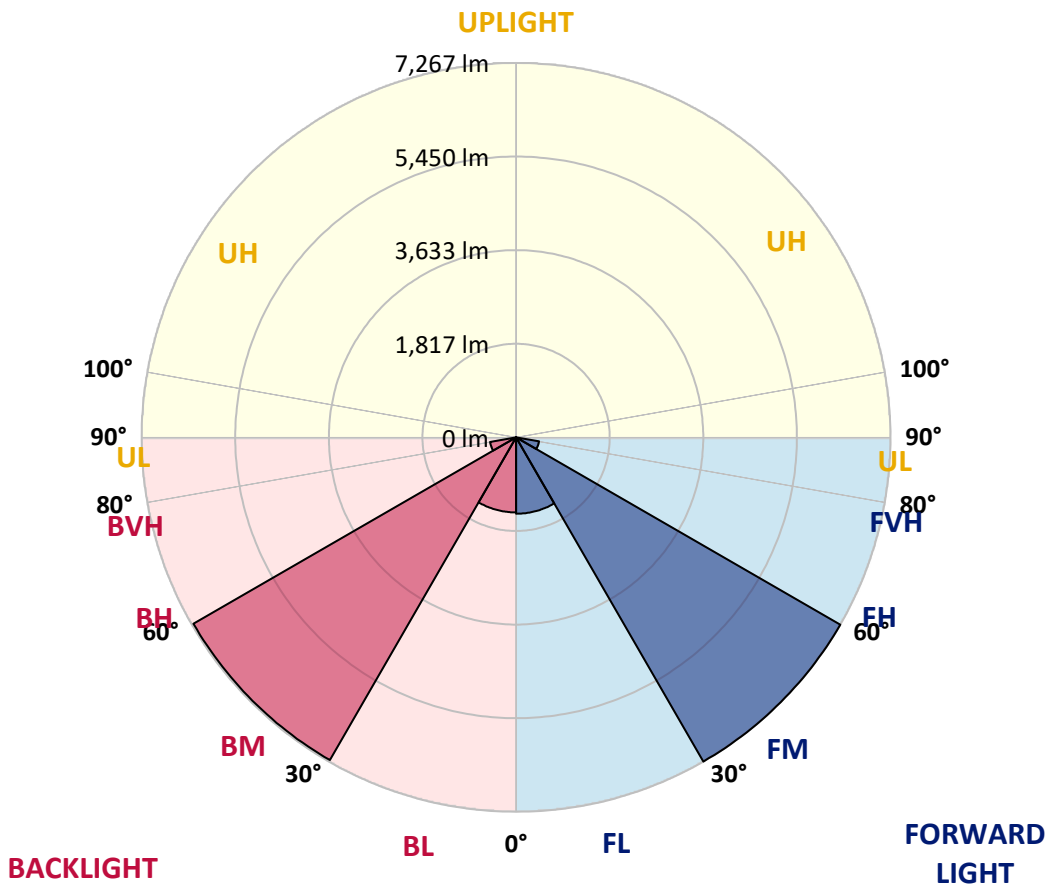
REPORT NUMBER: P642206

CATALOG NUMBER: GWS-SA6C-740-U-RW-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1482.6	8.1			
FM (30°-60°)	7266.5	39.5			
FH (60°-80°)	452.5	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1456.9	7.9	B3/2500		
BM (30°-60°)	7231.2	39.3	B4/8500		
BH (60°-80°)	513.0	2.8	B2/1000		G0/660
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**  
 Type V Short





REPORT NUMBER: P642206

CATALOG NUMBER: GWS-SA6C-740-U-RW-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2617.6	2617.6	2617.6	2617.6	2617.6	2617.6	2617.6	2617.6	2617.6	2617.6	2617.6
2.5°	2568.7	2574.8	2583.0	2591.1	2601.3	2611.5	2617.6	2635.9	2631.8	2648.1	2648.1
5°	2540.2	2546.3	2556.5	2574.8	2597.2	2619.6	2635.9	2672.5	2692.9	2725.5	2737.7
7.5°	2554.5	2562.6	2574.8	2603.3	2637.9	2672.5	2690.9	2749.9	2790.6	2851.7	2886.3
10°	2601.3	2609.4	2629.8	2678.6	2723.4	2772.3	2794.7	2870.0	2935.1	3018.6	3067.4
12.5°	2654.2	2664.4	2705.1	2778.4	2855.7	2920.9	2951.4	3034.8	3102.0	3195.6	3273.0
15°	2709.2	2725.5	2788.6	2896.4	3006.3	3093.9	3126.4	3216.0	3283.2	3382.9	3470.4
17.5°	2837.4	2855.7	2927.0	3043.0	3193.6	3295.4	3323.9	3417.5	3468.4	3535.6	3627.2
20°	2998.2	3032.8	3120.3	3260.8	3425.6	3523.4	3543.7	3635.3	3631.2	3659.7	3739.1
22.5°	3197.7	3222.1	3317.8	3484.7	3669.9	3777.8	3824.6	3863.3	3812.4	3788.0	3838.8
25°	3405.3	3433.8	3537.6	3720.8	3928.4	4052.6	4091.2	4121.8	4040.4	3948.8	3954.9
27.5°	3674.0	3694.3	3796.1	3991.5	4199.1	4339.6	4374.2	4427.1	4319.2	4172.7	4131.9
30°	3993.5	4013.9	4121.8	4327.3	4532.9	4653.0	4705.9	4771.1	4653.0	4469.8	4423.0
32.5°	4368.1	4388.4	4526.8	4738.5	4907.5	5037.7	5088.6	5157.8	5064.2	4858.6	4805.7
35°	4815.9	4828.1	4990.9	5220.9	5400.0	5526.2	5560.8	5642.2	5538.4	5332.9	5304.4
37.5°	5334.9	5349.1	5526.2	5792.9	5976.1	6116.5	6171.5	6193.8	6067.7	5837.6	5815.3
40°	5904.8	5951.6	6124.6	6411.6	6617.2	6794.3	6843.2	6767.8	6590.8	6277.3	6236.6
42.5°	6499.2	6539.9	6733.2	7044.7	7282.8	7464.0	7466.0	7303.2	7001.9	6568.4	6507.3
45°	6993.8	7010.1	7260.4	7573.9	7867.0	7995.2	8007.4	7712.3	7258.4	6737.3	6607.0
47.5°	7333.7	7360.2	7578.0	7879.2	8202.8	8318.9	8294.4	7926.0	7380.5	6847.2	6631.5
50°	7337.8	7382.5	7618.7	7909.7	8223.2	8363.6	8329.0	7987.1	7449.7	6851.3	6572.4
52.5°	6688.5	6761.7	7146.4	7567.8	8048.1	8288.3	8296.5	8066.5	7423.3	6786.2	6519.5
55°	5045.9	5125.2	5609.7	6328.2	7256.4	7926.0	8042.0	7972.8	7392.7	6814.7	6613.2
57.5°	2670.5	2609.4	2878.1	3590.5	4756.8	5941.5	6281.4	6835.0	7052.8	6849.3	6786.2
60°	582.1	620.8	826.4	1113.4	1856.3	2794.7	3126.4	4075.0	5202.6	5703.3	6065.6
62.5°	250.4	246.3	256.5	291.1	425.4	708.3	865.1	1412.6	2228.8	3061.3	3625.1
65°	205.6	207.6	215.8	215.8	201.5	203.5	213.7	323.6	521.1	730.7	981.1
67.5°	154.7	156.7	171.0	175.0	164.9	146.6	144.5	122.1	128.2	160.8	166.9
70°	97.7	97.7	105.8	109.9	109.9	101.8	99.7	87.5	85.5	97.7	109.9
72.5°	52.9	52.9	57.0	59.0	57.0	55.0	55.0	52.9	50.9	59.0	75.3
75°	22.4	22.4	24.4	24.4	22.4	22.4	22.4	22.4	22.4	26.5	40.7
77.5°	4.1	6.1	8.1	6.1	4.1	4.1	4.1	6.1	6.1	8.1	12.2
80°	2.0	2.0	4.1	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P642206

CATALOG NUMBER: GWS-SA6C-740-U-RW-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2617.6	2617.6	2617.6	2617.6	2617.6	2617.6	2617.6	2617.6	2617.6	2617.6	2617.6
2.5°	2662.4	2640.0	2648.1	2652.2	2646.1	2642.0	2619.6	2613.5	2603.3	2587.0	2583.0
5°	2751.9	2733.6	2731.6	2719.4	2690.9	2656.3	2613.5	2595.2	2574.8	2554.5	2550.4
7.5°	2902.5	2880.2	2865.9	2825.2	2760.1	2705.1	2633.9	2595.2	2568.7	2542.3	2536.2
10°	3095.9	3069.4	3028.7	2953.4	2865.9	2786.5	2703.1	2652.2	2611.5	2574.8	2572.8
12.5°	3301.5	3273.0	3199.7	3104.0	2998.2	2924.9	2819.1	2747.8	2686.8	2631.8	2625.7
15°	3517.2	3482.6	3382.9	3268.9	3171.2	3095.9	2979.9	2865.9	2772.3	2692.9	2684.7
17.5°	3682.1	3639.4	3521.3	3435.8	3356.4	3279.1	3148.8	2998.2	2874.0	2778.4	2756.0
20°	3785.9	3745.2	3633.3	3586.4	3549.8	3494.9	3340.2	3183.4	3045.0	2927.0	2906.6
22.5°	3885.7	3836.8	3739.1	3739.1	3767.6	3745.2	3578.3	3399.2	3236.4	3100.0	3069.4
25°	3997.6	3958.9	3889.7	3946.7	4018.0	4015.9	3844.9	3621.1	3433.8	3281.1	3250.6
27.5°	4160.4	4121.8	4097.3	4205.2	4294.8	4288.7	4101.4	3859.2	3661.8	3511.1	3482.6
30°	4447.4	4410.8	4384.3	4514.6	4628.6	4585.9	4380.3	4146.2	3946.7	3775.7	3755.4
32.5°	4830.1	4791.4	4756.8	4887.1	4988.9	4933.9	4738.5	4518.7	4288.7	4121.8	4081.1
35°	5332.9	5251.4	5216.8	5371.5	5414.3	5353.2	5166.0	4972.6	4728.3	4537.0	4510.5
37.5°	5851.9	5756.2	5731.8	5866.1	5935.3	5913.0	5693.1	5491.6	5227.0	5015.3	4984.8
40°	6295.6	6208.1	6165.4	6375.0	6531.7	6546.0	6348.5	6102.3	5790.8	5571.0	5516.0
42.5°	6556.2	6480.8	6470.7	6796.3	7052.8	7236.0	6999.9	6745.5	6417.7	6169.4	6124.6
45°	6615.2	6566.3	6651.8	7079.3	7478.2	7812.0	7610.5	7341.8	6987.7	6725.1	6682.4
47.5°	6609.1	6592.8	6745.5	7225.8	7730.6	8141.8	8042.0	7738.8	7396.8	7122.0	7081.3
50°	6521.6	6523.6	6778.0	7299.1	7832.4	8231.3	8131.6	7850.7	7545.4	7274.7	7242.1
52.5°	6487.0	6474.7	6717.0	7276.7	7936.2	8190.6	7966.7	7651.2	7311.3	6977.5	6928.6
55°	6609.1	6578.5	6725.1	7258.4	7948.4	8168.2	7578.0	6894.0	6197.9	5803.0	5770.5
57.5°	6792.3	6759.7	6828.9	7124.0	7311.3	6792.3	5577.1	4473.9	3757.4	3454.1	3321.8
60°	6065.6	6043.2	5990.3	5634.1	4832.1	3645.5	2483.2	1583.6	1137.8	920.0	920.0
62.5°	3763.5	3733.0	3446.0	2560.6	1860.4	1076.7	592.3	370.5	280.9	262.6	260.5
65°	1056.4	1050.3	869.1	614.7	390.8	242.2	213.7	217.8	213.7	207.6	205.6
67.5°	158.8	175.0	175.0	142.5	136.4	152.7	179.1	191.3	181.2	171.0	166.9
70°	101.8	109.9	105.8	91.6	97.7	114.0	128.2	130.3	124.2	114.0	111.9
72.5°	71.2	79.4	65.1	59.0	61.1	67.2	73.3	73.3	71.2	67.2	63.1
75°	42.7	42.7	30.5	28.5	28.5	30.5	30.5	34.6	34.6	32.6	30.5
77.5°	14.2	16.3	10.2	8.1	8.1	8.1	10.2	12.2	12.2	10.2	8.1
80°	2.0	4.1	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	2.0
82.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	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)