

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: P642316

Luminaire Tested: GWS-SA6C-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642316  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

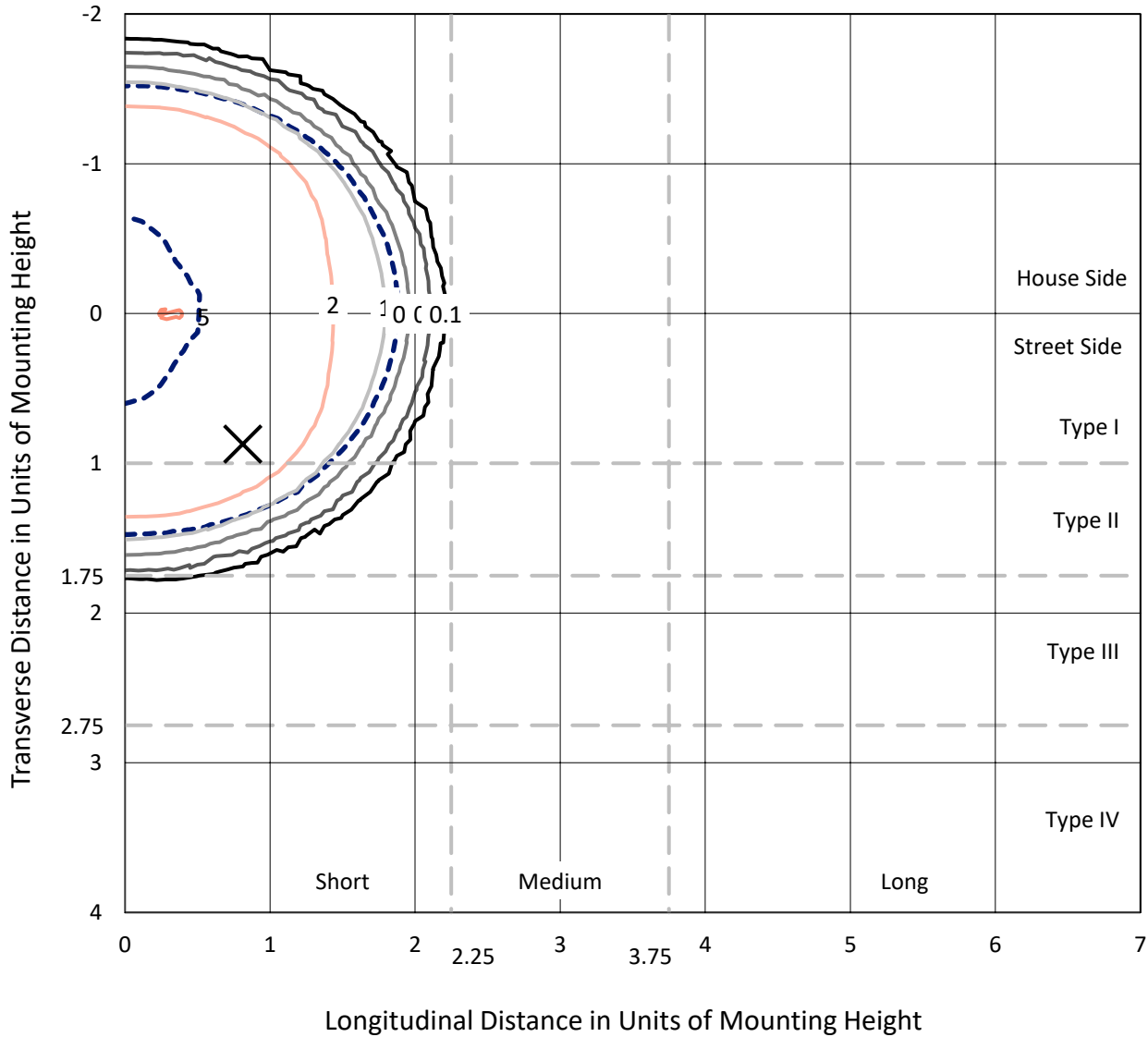
Lumens per Lamp: N/A  
Luminaire Lumens: 18567 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

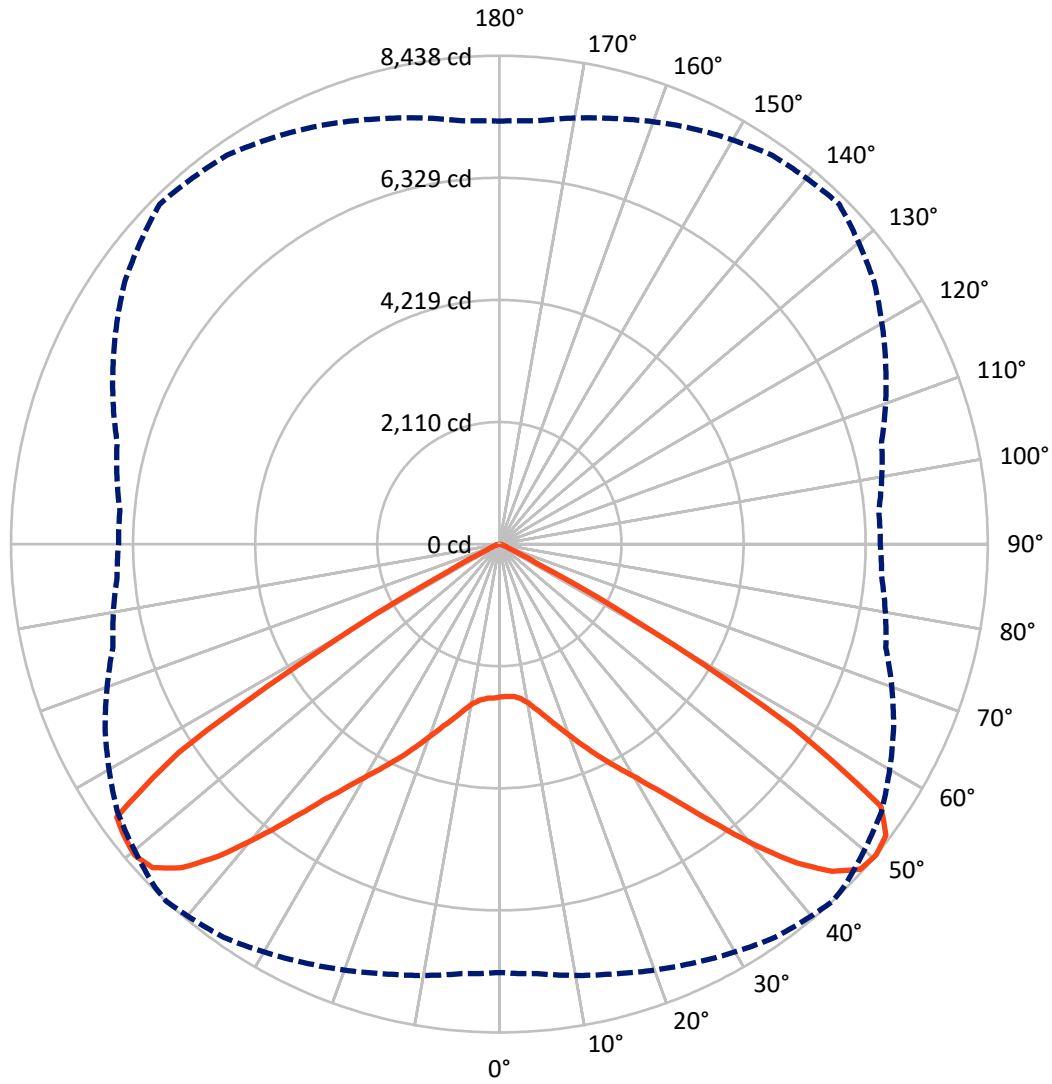
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9283.3	0.0	9283.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9283.7	0.0	9283.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18567.0	0.0	18567.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.1	1.4
10°-20°	895.0	4.8
20°-30°	1810.6	9.8
30°-40°	3359.4	18.1
40°-50°	5576.4	30.0
50°-60°	5690.9	30.7
60°-70°	933.2	5.0
70°-80°	40.9	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°	18567.0	100.0
0°-180°	18567.0	100.0

**Coefficient of Utilization**



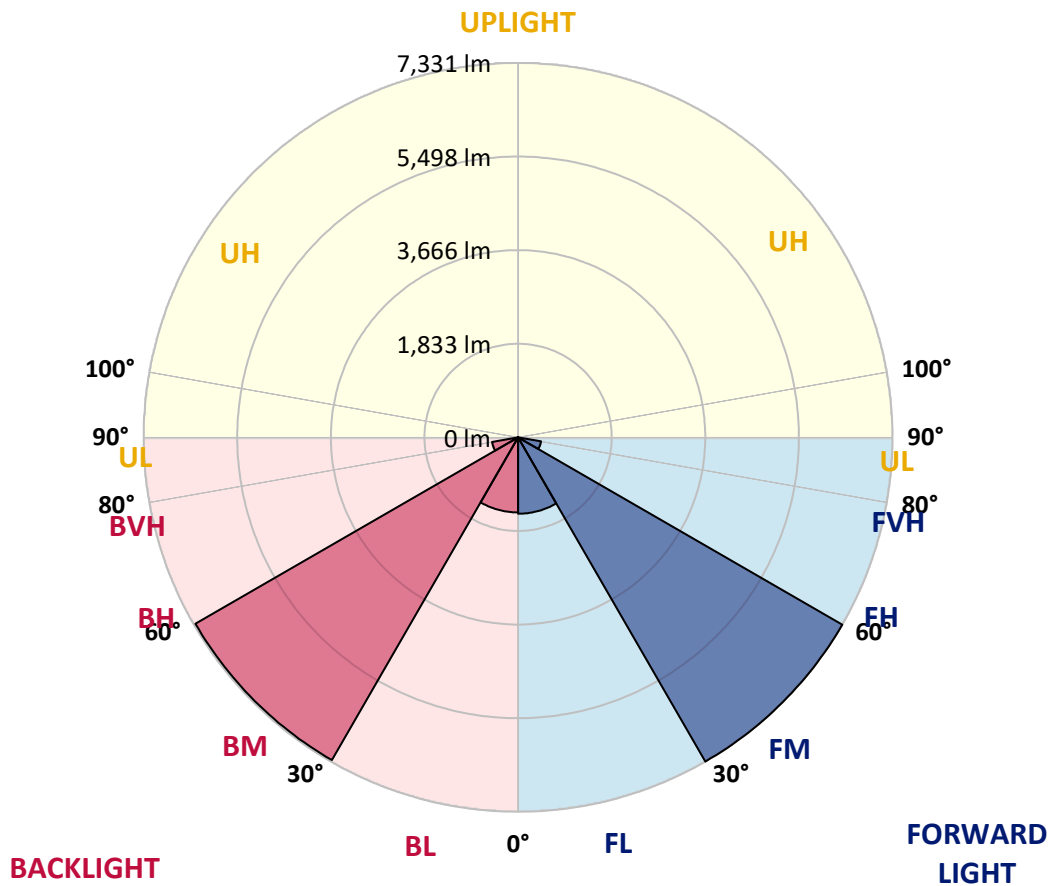
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1495.8	8.1			
FM (30°-60°)	7331.1	39.5			
FH (60°-80°)	456.6	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1469.8	7.9	B3/2500		
BM (30°-60°)	7295.5	39.3	B4/8500		
BH (60°-80°)	517.6	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9
2.5°	2591.6	2597.7	2606.0	2614.2	2624.4	2634.7	2640.9	2659.3	2655.2	2671.7	2671.7
5°	2562.8	2569.0	2579.3	2597.7	2620.3	2642.9	2659.3	2696.3	2716.8	2749.7	2762.0
7.5°	2577.2	2585.4	2597.7	2626.5	2661.4	2696.3	2714.8	2774.3	2815.4	2877.0	2911.9
10°	2624.4	2632.6	2653.2	2702.5	2747.6	2796.9	2819.5	2895.5	2961.2	3045.4	3094.7
12.5°	2677.8	2688.1	2729.2	2803.1	2881.1	2946.8	2977.6	3061.8	3129.6	3224.1	3302.1
15°	2733.3	2749.7	2813.4	2922.2	3033.1	3121.4	3154.2	3244.6	3312.4	3413.0	3501.3
17.5°	2862.6	2881.1	2953.0	3070.1	3222.0	3324.7	3353.4	3447.9	3499.2	3567.0	3659.4
20°	3024.9	3059.8	3148.1	3289.8	3456.1	3554.7	3575.2	3667.6	3663.5	3692.3	3772.4
22.5°	3226.1	3250.8	3347.3	3515.7	3702.5	3811.4	3858.6	3897.6	3846.3	3821.7	3873.0
25°	3435.6	3464.3	3569.1	3753.9	3963.3	4088.6	4127.6	4158.4	4076.3	3983.9	3990.0
27.5°	3706.7	3727.2	3829.9	4027.0	4236.5	4378.2	4413.1	4466.5	4357.6	4209.8	4168.7
30°	4029.1	4049.6	4158.4	4365.8	4573.3	4694.4	4747.8	4813.5	4694.4	4509.6	4462.4
32.5°	4406.9	4427.4	4567.1	4780.7	4951.1	5082.5	5133.9	5203.7	5109.2	4901.8	4848.4
35°	4858.7	4871.0	5035.3	5267.3	5448.1	5575.4	5610.3	5692.4	5587.7	5380.3	5351.5
37.5°	5382.3	5396.7	5575.4	5844.4	6029.2	6170.9	6226.4	6248.9	6121.6	5889.6	5867.0
40°	5957.3	6004.6	6179.1	6468.7	6676.1	6854.7	6904.0	6828.0	6649.4	6333.1	6292.1
42.5°	6557.0	6598.0	6793.1	7107.3	7347.6	7530.4	7532.4	7368.1	7064.2	6626.8	6565.2
45°	7056.0	7072.4	7325.0	7641.3	7937.0	8066.3	8078.7	7780.9	7323.0	6797.2	6665.8
47.5°	7398.9	7425.6	7645.4	7949.3	8275.8	8392.8	8368.2	7996.5	7446.2	6908.1	6690.5
50°	7403.0	7448.2	7686.4	7980.1	8296.3	8438.0	8403.1	8058.1	7516.0	6912.2	6630.9
52.5°	6748.0	6821.9	7210.0	7635.1	8119.7	8362.0	8370.3	8138.2	7489.3	6846.5	6577.5
55°	5090.7	5170.8	5659.6	6384.5	7320.9	7996.5	8113.6	8043.7	7458.5	6875.3	6672.0
57.5°	2694.3	2632.6	2903.7	3622.5	4799.1	5994.3	6337.2	6895.8	7115.5	6910.2	6846.5
60°	587.3	626.3	833.7	1123.3	1872.8	2819.5	3154.2	4111.2	5248.9	5754.0	6119.6
62.5°	252.6	248.5	258.7	293.7	429.2	714.6	872.8	1425.2	2248.6	3088.5	3657.4
65°	207.4	209.5	217.7	217.7	203.3	205.4	215.6	326.5	525.7	737.2	989.8
67.5°	156.1	158.1	172.5	176.6	166.3	147.9	145.8	123.2	129.4	162.2	168.4
70°	98.6	98.6	106.8	110.9	110.9	102.7	100.6	88.3	86.2	98.6	110.9
72.5°	53.4	53.4	57.5	59.6	57.5	55.4	55.4	53.4	51.3	59.6	76.0
75°	22.6	22.6	24.6	24.6	22.6	22.6	22.6	22.6	22.6	26.7	41.1
77.5°	4.1	6.2	8.2	6.2	4.1	4.1	4.1	6.2	6.2	8.2	12.3
80°	2.1	2.1	4.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9
2.5°	2686.0	2663.5	2671.7	2675.8	2669.6	2665.5	2642.9	2636.8	2626.5	2610.1	2606.0
5°	2776.4	2757.9	2755.9	2743.5	2714.8	2679.9	2636.8	2618.3	2597.7	2577.2	2573.1
7.5°	2928.4	2905.8	2891.4	2850.3	2784.6	2729.2	2657.3	2618.3	2591.6	2564.9	2558.7
10°	3123.4	3096.7	3055.7	2979.7	2891.4	2811.3	2727.1	2675.8	2634.7	2597.7	2595.7
12.5°	3330.9	3302.1	3228.2	3131.7	3024.9	2950.9	2844.2	2772.3	2710.7	2655.2	2649.1
15°	3548.5	3513.6	3413.0	3298.0	3199.4	3123.4	3006.4	2891.4	2796.9	2716.8	2708.6
17.5°	3714.9	3671.7	3552.6	3466.4	3386.3	3308.3	3176.8	3024.9	2899.6	2803.1	2780.5
20°	3819.6	3778.5	3665.6	3618.4	3581.4	3525.9	3369.9	3211.7	3072.1	2953.0	2932.5
22.5°	3920.2	3870.9	3772.4	3772.4	3801.1	3778.5	3610.1	3429.4	3265.1	3127.6	3096.7
25°	4033.2	3994.1	3924.3	3981.8	4053.7	4051.6	3879.2	3653.3	3464.3	3310.3	3279.5
27.5°	4197.5	4158.4	4133.8	4242.6	4333.0	4326.8	4137.9	3893.5	3694.3	3542.4	3513.6
30°	4487.0	4450.0	4423.3	4554.8	4669.8	4626.6	4419.2	4183.1	3981.8	3809.3	3788.8
32.5°	4873.1	4834.1	4799.1	4930.6	5033.2	4977.8	4780.7	4558.9	4326.8	4158.4	4117.4
35°	5380.3	5298.2	5263.2	5419.3	5462.4	5400.8	5211.9	5016.8	4770.4	4577.4	4550.7
37.5°	5903.9	5807.4	5782.8	5918.3	5988.1	5965.6	5743.8	5540.5	5273.5	5059.9	5029.1
40°	6351.6	6263.3	6220.2	6431.7	6589.8	6604.2	6405.0	6156.5	5842.3	5620.6	5565.1
42.5°	6614.5	6538.5	6528.2	6856.8	7115.5	7300.4	7062.1	6805.5	6474.8	6224.3	6179.1
45°	6674.0	6624.7	6711.0	7142.2	7544.7	7881.5	7678.2	7407.1	7049.8	6784.9	6741.8
47.5°	6667.9	6651.4	6805.5	7290.1	7799.4	8214.2	8113.6	7807.6	7462.6	7185.4	7144.3
50°	6579.6	6581.6	6838.3	7364.0	7902.1	8304.5	8203.9	7920.5	7612.5	7339.4	7306.5
52.5°	6544.7	6532.3	6776.7	7341.4	8006.8	8263.5	8037.6	7719.3	7376.3	7039.6	6990.3
55°	6667.9	6637.1	6784.9	7323.0	8019.1	8240.9	7645.4	6955.4	6253.1	5854.7	5821.8
57.5°	6852.7	6819.8	6889.7	7187.4	7376.3	6852.7	5626.7	4513.7	3790.8	3484.9	3351.4
60°	6119.6	6097.0	6043.6	5684.2	4875.1	3677.9	2505.3	1597.7	1147.9	928.2	928.2
62.5°	3797.0	3766.2	3476.7	2583.4	1876.9	1086.3	597.6	373.7	283.4	264.9	262.9
65°	1065.8	1059.6	876.9	620.2	394.3	244.4	215.6	219.7	215.6	209.5	207.4
67.5°	160.2	176.6	176.6	143.7	137.6	154.0	180.7	193.0	182.8	172.5	168.4
70°	102.7	110.9	106.8	92.4	98.6	115.0	129.4	131.4	125.3	115.0	112.9
72.5°	71.9	80.1	65.7	59.6	61.6	67.8	73.9	73.9	71.9	67.8	63.7
75°	43.1	43.1	30.8	28.7	28.7	30.8	30.8	34.9	34.9	32.9	30.8
77.5°	14.4	16.4	10.3	8.2	8.2	8.2	10.3	12.3	12.3	10.3	8.2
80°	2.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	2.1
82.5°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
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)