

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: P642346

Luminaire Tested: GWS-SA6C-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642346  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-760-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 17690.1 lumens  
Efficiency: N/A  
Efficacy: 93.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1

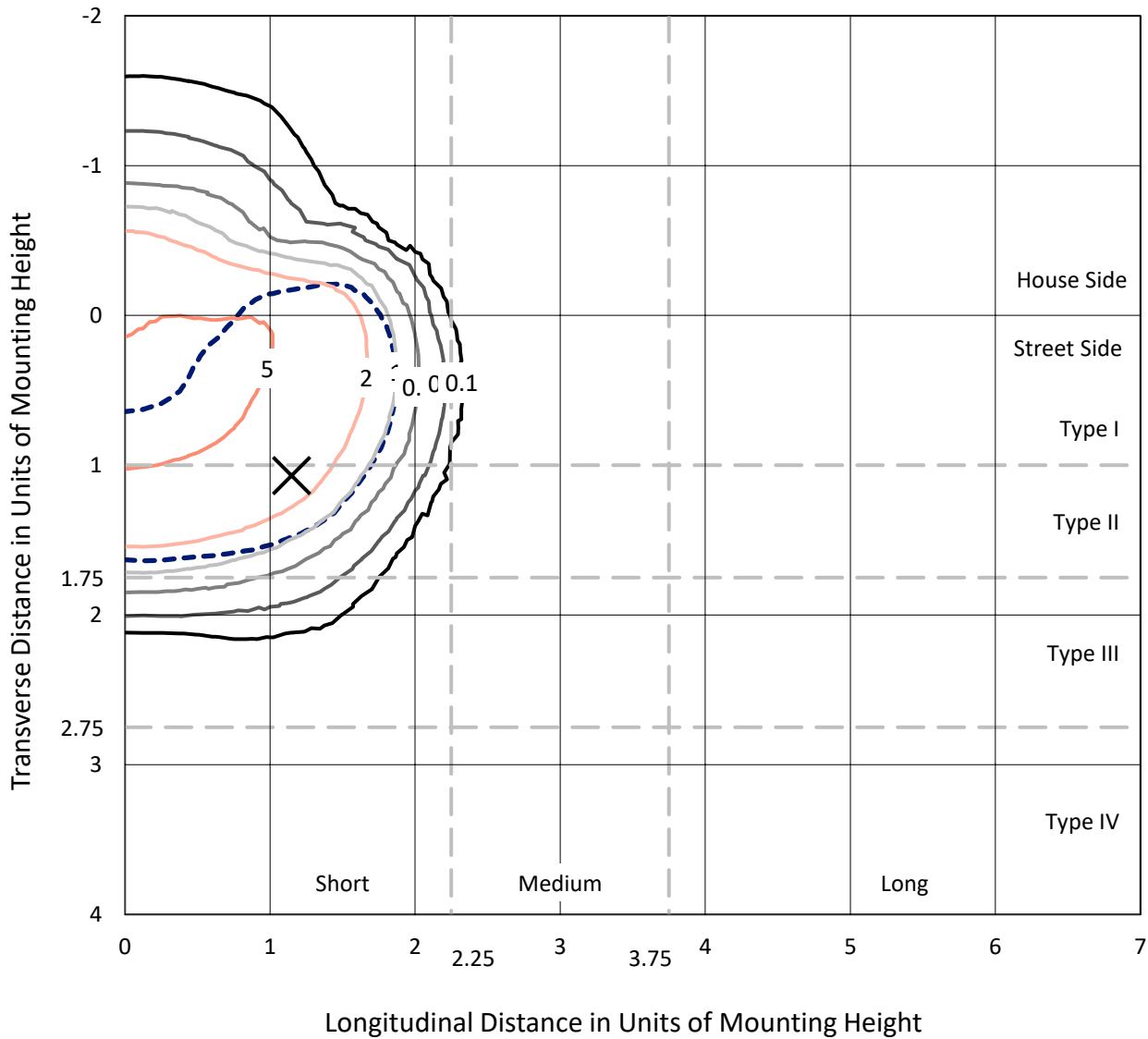
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

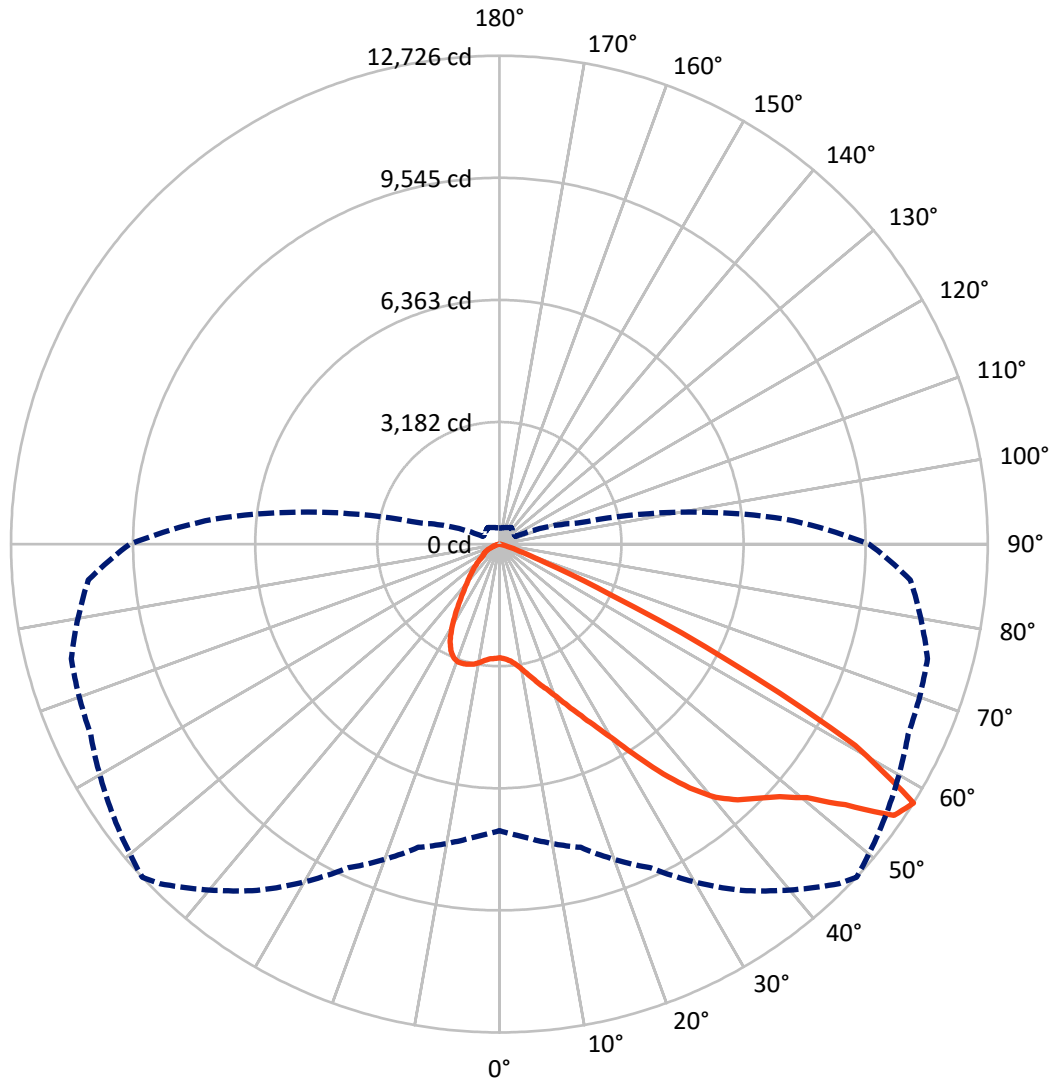
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3837.9	0.0	3837.9
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	13852.3	0.0	13852.3
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	17690.1	0.0	17690.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	294.6	1.7
10°-20°	994.1	5.6
20°-30°	1845.8	10.4
30°-40°	2954.8	16.7
40°-50°	4319.3	24.4
50°-60°	5330.8	30.1
60°-70°	1781.2	10.1
70°-80°	166.0	0.9
80°-90°	3.5	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°	17690.1	100.0
0°-180°	17690.1	100.0

**Coefficient of Utilization**



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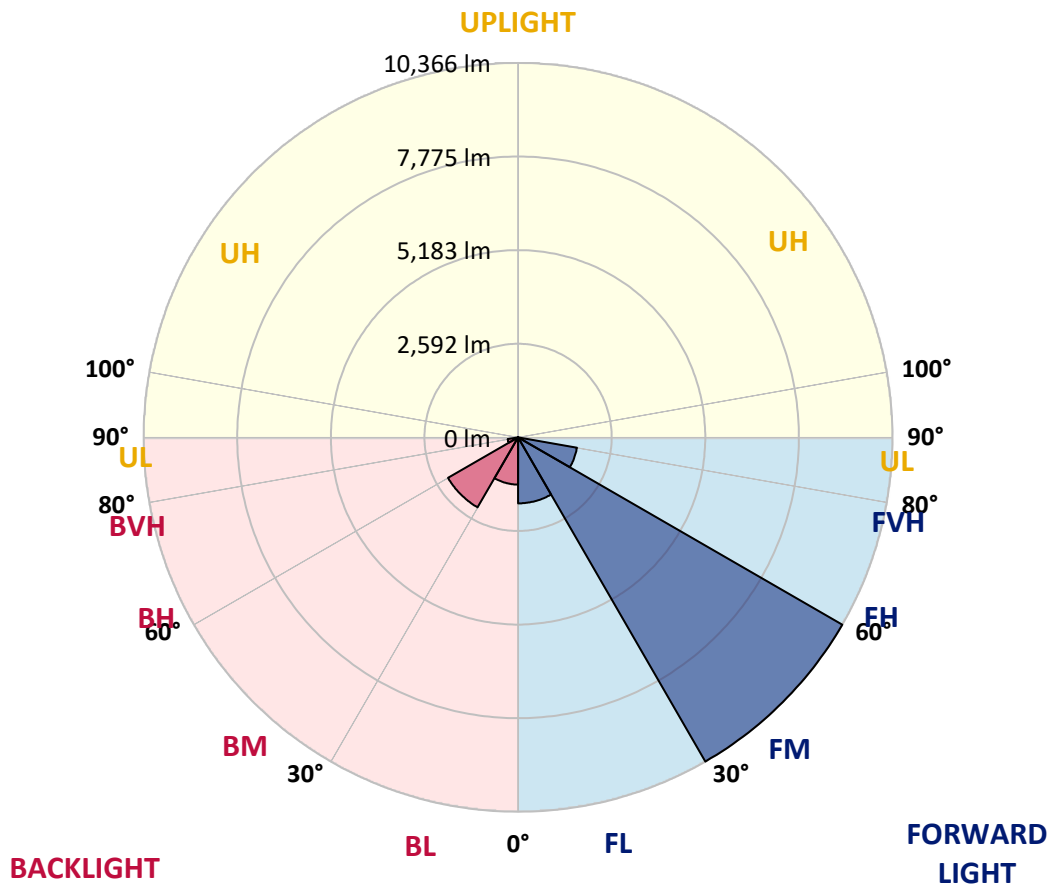
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1828.2	10.3			
FM (30°-60°)	10366.3	58.6			
FH (60°-80°)	1655.4	9.4			G1/1800
FVH (80°-90°)	2.4	0.0			G0/10
BL (0°-30°)	1306.3	7.4	B3/2500		
BM (30°-60°)	2238.6	12.7	B2/2500		
BH (60°-80°)	291.8	1.6	B1/500		G1/500
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2961.3	2961.3	2961.3	2961.3	2961.3	2961.3	2961.3	2961.3	2961.3	2961.3	2961.3
2.5°	2992.1	2990.1	2988.0	3000.4	2996.3	2994.2	2998.3	2998.3	2998.3	2986.0	2961.3
5°	3064.0	3064.0	3062.0	3074.3	3064.0	3057.9	3059.9	3059.9	3051.7	3029.1	2998.3
7.5°	3177.0	3172.9	3168.8	3181.1	3170.8	3168.8	3172.9	3160.5	3146.2	3109.2	3066.1
10°	3339.2	3339.2	3333.0	3345.4	3337.2	3333.0	3333.0	3324.8	3298.1	3240.6	3177.0
12.5°	3563.1	3552.8	3538.4	3528.1	3524.0	3522.0	3524.0	3511.7	3483.0	3409.0	3320.7
15°	3807.4	3799.2	3776.6	3760.2	3737.6	3733.5	3745.8	3735.6	3706.8	3606.2	3480.9
17.5°	4115.5	4125.8	4068.3	4033.3	3967.6	3963.5	3967.6	3984.1	3963.5	3834.1	3651.4
20°	4378.3	4386.6	4343.4	4318.8	4259.2	4232.5	4240.8	4267.5	4244.9	4092.9	3838.2
22.5°	4659.7	4670.0	4624.8	4573.4	4546.7	4546.7	4577.6	4614.5	4583.7	4384.5	4051.8
25°	4996.5	5004.7	4967.7	4900.0	4852.7	4912.3	4957.5	5056.0	5004.7	4733.6	4304.4
27.5°	5382.6	5384.6	5331.2	5261.4	5236.8	5347.7	5392.8	5544.8	5524.3	5125.9	4571.4
30°	5795.4	5797.4	5785.1	5737.9	5715.3	5861.1	5922.7	6142.4	6128.0	5612.6	4934.9
32.5°	6224.6	6224.6	6247.2	6243.1	6269.7	6508.0	6606.5	6857.1	6842.7	6208.1	5386.7
35°	6655.8	6657.9	6696.9	6795.5	6906.4	7222.6	7352.0	7656.0	7623.1	6920.8	5963.8
37.5°	7146.7	7126.1	7179.5	7327.4	7573.8	7939.4	8062.6	8352.1	8315.2	7649.8	6717.4
40°	7738.1	7701.1	7701.1	7873.6	8152.9	8573.9	8678.7	8822.4	8697.1	8239.2	7456.7
42.5°	8391.2	8356.2	8311.1	8463.0	8697.1	9025.7	9112.0	9073.0	8970.3	8795.7	8298.7
45°	9052.4	8999.0	9029.8	9122.2	9257.8	9413.9	9446.7	9266.0	9218.8	9268.1	8994.9
47.5°	9555.6	9518.6	9594.6	9724.0	9834.9	9857.4	9834.9	9584.3	9580.2	9754.8	9477.5
50°	9724.0	9728.1	9937.5	10220.9	10399.6	10418.1	10387.3	10099.8	10060.8	10112.1	9738.3
52.5°	9740.4	9756.8	10062.8	10602.9	11089.6	11311.4	11286.8	10976.7	10594.7	10539.3	10132.6
55°	9344.0	9440.6	9867.7	10656.3	11691.3	12399.8	12482.0	11888.5	11321.7	11274.5	10980.8
57.5°	7469.1	7666.2	8181.7	9305.0	11019.8	12512.8	12726.4	12299.2	11750.9	11549.6	10752.8
60°	4464.6	4709.0	5203.9	6581.9	8387.0	10284.6	10652.2	10711.8	10459.2	9878.0	8249.5
62.5°	1916.0	1895.5	2505.4	3561.0	4988.3	6536.7	6703.1	6961.8	7181.6	6573.7	5006.8
65°	657.2	714.7	994.0	1605.9	2497.2	3035.3	3183.1	3415.2	3727.3	3076.3	1833.9
67.5°	406.6	431.3	573.0	948.8	1347.2	1326.6	1260.9	1224.0	1191.1	815.3	503.1
70°	295.7	316.3	402.5	653.1	905.7	636.6	552.4	447.7	497.0	458.0	357.3
72.5°	199.2	215.6	277.2	396.4	464.1	310.1	287.5	326.5	394.3	375.8	291.6
75°	119.1	129.4	158.1	193.0	188.9	160.2	162.2	230.0	301.9	281.3	207.4
77.5°	82.1	86.3	104.7	125.3	92.4	49.3	45.2	63.7	102.7	102.7	69.8
80°	20.5	26.7	26.7	16.4	14.4	12.3	12.3	18.5	28.8	20.5	10.3
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1
85°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1
87.5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1
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°	2961.3	2961.3	2961.3	2961.3	2961.3	2961.3	2961.3	2961.3	2961.3	2961.3	2961.3
2.5°	2975.7	2951.1	2967.5	2963.4	2975.7	2979.8	2961.3	2957.2	2959.3	2934.6	2926.4
5°	3004.5	2975.7	2983.9	2975.7	2990.1	3002.4	2996.3	3004.5	3014.7	2996.3	2988.0
7.5°	3066.1	3037.3	3035.3	3023.0	3043.5	3051.7	3049.6	3072.2	3092.8	3080.5	3068.1
10°	3172.9	3133.8	3129.7	3119.5	3125.6	3131.8	3109.2	3113.3	3131.8	3117.4	3111.3
12.5°	3304.3	3257.1	3246.8	3222.2	3222.2	3191.3	3142.1	3131.8	3146.2	3135.9	3125.6
15°	3446.0	3382.3	3365.9	3322.8	3281.7	3224.2	3172.9	3160.5	3170.8	3158.5	3150.3
17.5°	3604.1	3532.3	3478.9	3402.9	3312.5	3244.7	3187.2	3160.5	3144.1	3119.5	3117.4
20°	3760.2	3665.7	3575.4	3454.2	3335.1	3232.4	3138.0	3068.1	3008.6	2971.6	2957.2
22.5°	3940.9	3801.3	3655.5	3485.0	3314.6	3158.5	2992.1	2873.0	2770.4	2735.4	2719.0
25°	4134.0	3953.2	3735.6	3513.8	3244.7	2994.2	2768.3	2591.7	2456.1	2411.0	2392.5
27.5°	4347.5	4099.1	3817.7	3507.6	3101.0	2760.1	2460.3	2240.5	2107.0	2066.0	2080.3
30°	4618.6	4288.0	3920.4	3443.9	2885.4	2431.5	2080.3	1895.5	1794.9	1755.9	1757.9
32.5°	4980.1	4559.1	4070.3	3308.4	2608.1	2057.7	1749.7	1614.2	1546.4	1495.0	1490.9
35°	5497.6	4971.9	4210.0	3090.7	2271.3	1725.1	1501.2	1394.4	1300.0	1240.4	1250.7
37.5°	6117.8	5491.4	4285.9	2797.1	1893.5	1466.3	1314.3	1205.5	1098.7	1010.4	1020.7
40°	6853.0	6171.2	4279.8	2411.0	1548.4	1289.7	1158.3	1030.9	897.4	817.3	825.6
42.5°	7672.4	6814.0	4146.3	2002.3	1283.5	1145.9	1008.3	848.2	718.8	669.5	671.5
45°	8382.9	7335.6	3912.2	1579.2	1080.2	1006.3	852.3	688.0	630.5	595.6	593.5
47.5°	8908.7	7717.6	3577.4	1242.4	915.9	879.0	700.3	616.1	570.9	542.2	538.1
50°	9202.3	7851.0	3207.8	973.4	774.2	745.5	626.4	558.6	527.8	509.3	505.2
52.5°	9596.6	8011.2	2942.9	768.1	648.9	609.9	577.1	519.6	499.0	484.7	478.5
55°	10220.9	8321.3	2712.9	609.9	540.1	531.9	544.2	497.0	484.7	462.1	453.9
57.5°	9633.6	7475.2	2107.0	472.3	455.9	486.7	525.7	474.4	443.6	423.0	414.8
60°	6779.0	4969.8	1059.7	379.9	406.6	455.9	494.9	429.2	398.4	402.5	398.4
62.5°	3737.6	2487.0	476.4	318.3	353.2	402.5	423.0	371.7	351.2	386.1	392.2
65°	1221.9	846.1	275.2	246.4	279.3	328.6	365.5	353.2	349.1	390.2	402.5
67.5°	375.8	279.3	186.9	176.6	193.0	242.3	308.0	382.0	410.7	423.0	429.2
70°	281.3	219.7	160.2	149.9	158.1	184.8	260.8	318.3	299.8	301.9	297.8
72.5°	225.9	174.6	137.6	131.4	131.4	127.3	137.6	172.5	195.1	205.4	205.4
75°	158.1	123.2	104.7	96.5	76.0	61.6	55.4	55.4	49.3	47.2	45.2
77.5°	53.4	45.2	41.1	32.9	22.6	18.5	16.4	14.4	10.3	6.2	4.1
80°	8.2	6.2	4.1	4.1	4.1	2.1	2.1	2.1	0.0	0.0	0.0
82.5°	4.1	4.1	4.1	4.1	4.1	2.1	2.1	0.0	0.0	0.0	0.0
85°	4.1	4.1	4.1	4.1	4.1	2.1	2.1	0.0	0.0	0.0	0.0
87.5°	4.1	4.1	4.1	4.1	2.1	2.1	2.1	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)