

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: P641988

Luminaire Tested: GWS-SA6C-722-U-RW-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641988  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-722-U-RW-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

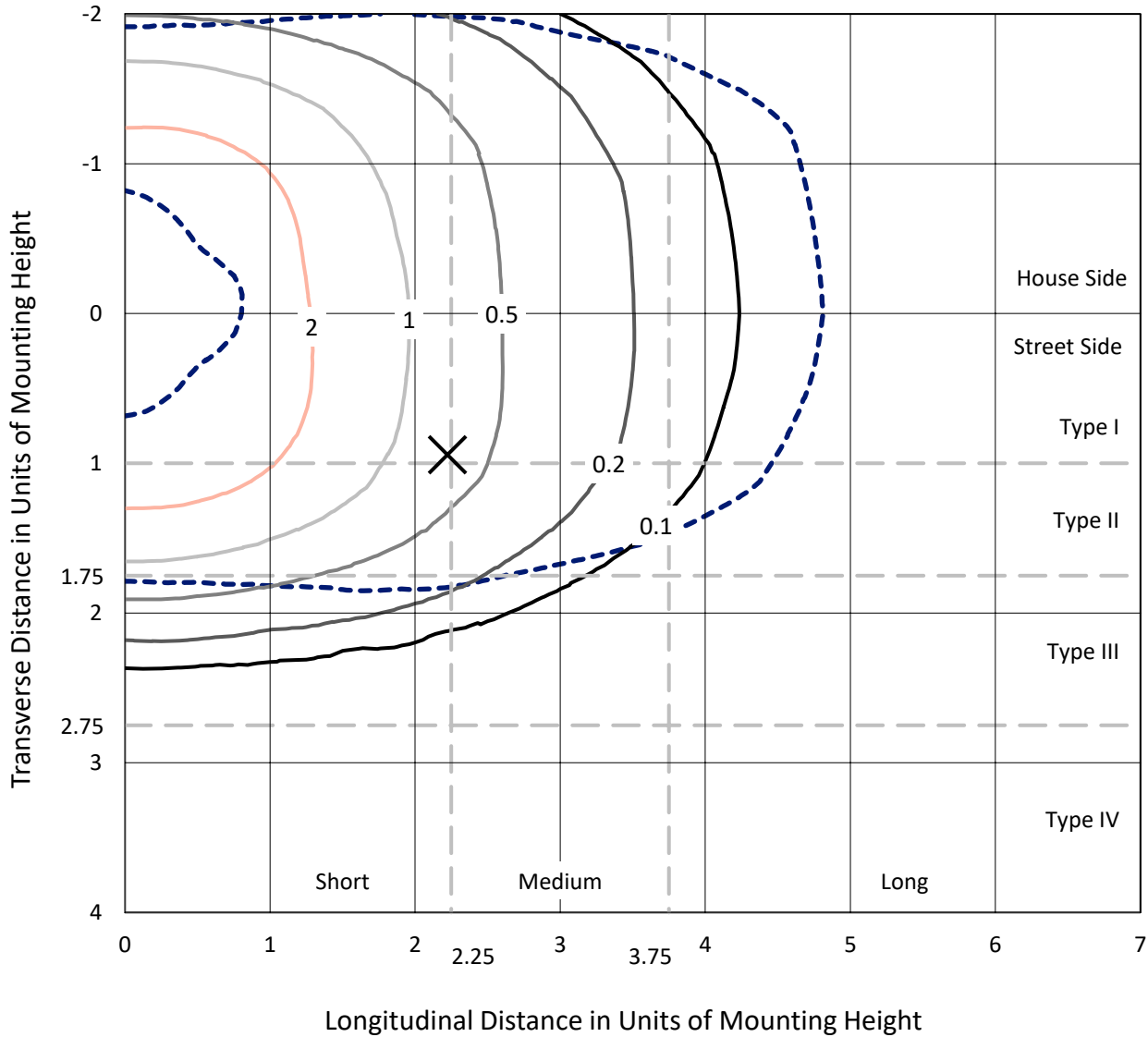
Lumens per Lamp: N/A  
Luminaire Lumens: 21530.9 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): 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

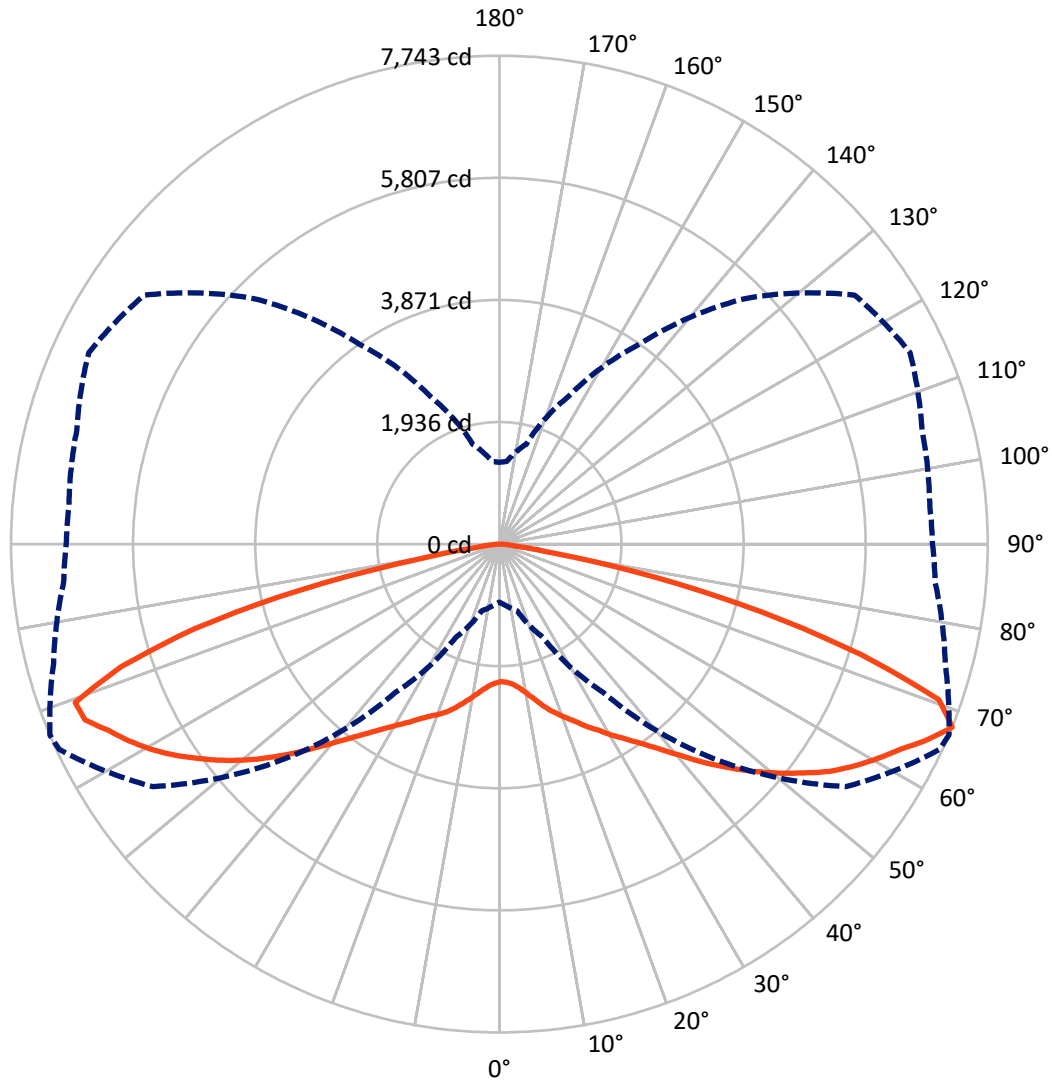
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10646.6	0.0	10646.6
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	10884.3	0.0	10884.3
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	21530.9	0.0	21530.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.9	1.0
10°-20°	722.6	3.4
20°-30°	1417.8	6.6
30°-40°	2415.4	11.2
40°-50°	3878.7	18.0
50°-60°	5270.4	24.5
60°-70°	5041.5	23.4
70°-80°	2396.9	11.1
80°-90°	173.7	0.8
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°	21530.9	100.0
0°-180°	21530.9	100.0

**Coefficient of Utilization**



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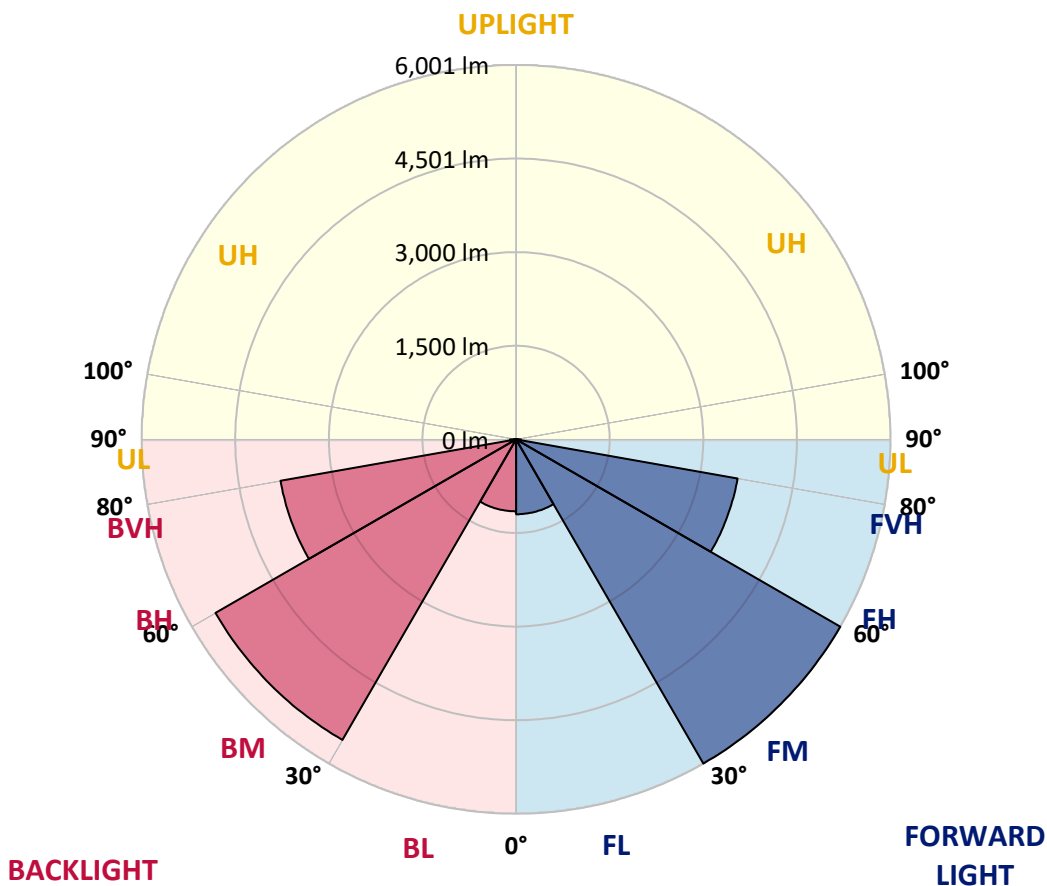
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1200.5	5.6			
FM (30°-60°)	6000.8	27.9			
FH (60°-80°)	3604.8	16.7			G2/5000
FVH (80°-90°)	78.1	0.4			G1/100
BL (0°-30°)	1153.8	5.4	B3/2500		
BM (30°-60°)	5563.7	25.8	B4/8500		
BH (60°-80°)	3833.5	17.8	B4/5000		G4/5000
BVH (80°-90°)	95.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2180.1	2180.1	2180.1	2180.1	2180.1	2180.1	2180.1	2180.1	2180.1	2180.1	2180.1
2.5°	2135.1	2138.1	2142.6	2151.6	2160.6	2174.1	2187.6	2186.1	2192.1	2196.6	2201.1
5°	2123.1	2126.1	2133.6	2145.6	2159.1	2181.6	2210.1	2222.1	2231.1	2247.6	2262.6
7.5°	2148.6	2154.6	2165.1	2181.6	2202.6	2231.1	2270.1	2291.1	2304.6	2334.6	2360.1
10°	2183.1	2190.6	2211.6	2243.1	2274.6	2318.1	2367.5	2399.0	2408.0	2447.0	2495.0
12.5°	2216.1	2225.1	2259.6	2316.6	2373.5	2432.0	2490.5	2529.5	2532.5	2585.0	2638.9
15°	2268.6	2276.1	2322.6	2396.0	2483.0	2564.0	2635.9	2662.9	2674.9	2712.4	2779.9
17.5°	2384.0	2393.0	2453.0	2532.5	2623.9	2709.4	2781.4	2803.9	2803.9	2835.4	2890.8
20°	2508.5	2517.5	2597.0	2698.9	2809.9	2896.8	2952.3	2931.3	2923.8	2932.8	2971.8
22.5°	2647.9	2664.4	2740.9	2859.4	2995.8	3102.3	3130.7	3067.8	3046.8	3025.8	3034.8
25°	2826.4	2845.9	2920.8	3046.8	3180.2	3292.7	3309.2	3211.7	3199.7	3126.2	3099.3
27.5°	3031.8	3046.8	3139.7	3264.2	3388.6	3483.1	3501.1	3381.1	3340.7	3238.7	3175.7
30°	3297.2	3310.7	3391.6	3514.6	3622.5	3688.5	3711.0	3546.1	3514.6	3358.6	3261.2
32.5°	3586.6	3592.6	3675.0	3793.5	3889.4	3952.4	3920.9	3729.0	3682.5	3507.1	3373.6
35°	3917.9	3917.9	4024.4	4120.3	4196.8	4214.8	4154.8	3935.9	3881.9	3691.5	3525.1
37.5°	4243.3	4252.3	4351.3	4465.2	4532.7	4529.7	4420.2	4180.3	4118.8	3911.9	3727.5
40°	4595.7	4615.1	4714.1	4841.6	4906.0	4897.0	4729.1	4462.2	4399.2	4154.8	3974.9
42.5°	4919.5	4951.0	5066.5	5196.9	5267.4	5261.4	5086.0	4786.1	4724.6	4448.7	4268.8
45°	5177.4	5210.4	5354.3	5535.8	5648.2	5637.7	5460.8	5121.9	5047.0	4757.6	4559.7
47.5°	5403.8	5438.3	5598.7	5790.7	5969.1	5987.1	5825.2	5460.8	5381.3	5089.0	4865.5
50°	5577.8	5594.3	5774.2	5984.1	6191.0	6291.5	6150.5	5801.2	5705.2	5415.8	5163.9
52.5°	5564.3	5586.8	5808.7	6093.6	6370.9	6535.9	6438.4	6122.0	6029.1	5714.2	5468.3
55°	5289.9	5312.4	5576.3	5991.6	6471.4	6714.3	6703.8	6427.9	6360.4	6018.6	5784.7
57.5°	4889.5	4939.0	5201.4	5649.7	6339.5	6856.7	6898.7	6706.8	6636.3	6317.0	6098.0
60°	4172.8	4238.8	4541.7	5123.4	5916.6	6808.8	7107.1	6942.2	6898.7	6594.3	6381.4
62.5°	3031.8	3079.8	3483.1	4246.3	5289.9	6466.9	7282.6	7185.1	7152.1	6843.2	6637.8
65°	1815.8	1925.2	2249.1	3003.3	4267.3	5822.2	7186.6	7503.0	7468.5	7099.6	6856.7
67.5°	919.1	968.6	1096.1	1628.3	2869.8	4817.6	6705.3	7700.9	7742.9	7318.6	6934.7
70°	569.8	583.3	619.3	803.7	1433.4	3165.2	5483.3	7185.1	7390.5	7284.1	6732.3
72.5°	457.3	460.3	466.3	500.8	688.2	1479.9	3466.6	5627.2	5997.6	6802.8	6442.9
75°	379.3	380.8	382.3	392.8	428.8	604.3	1686.8	3866.9	4300.3	5781.7	5973.6
77.5°	304.4	296.9	302.9	307.4	316.4	337.4	581.8	2063.2	2502.5	3795.0	4619.6
80°	197.9	194.9	206.9	211.4	220.4	233.9	310.4	700.2	850.2	1380.9	1469.4
82.5°	106.5	100.5	125.9	121.5	125.9	136.4	182.9	256.4	287.9	416.8	352.4
85°	33.0	33.0	34.5	40.5	49.5	48.0	79.5	125.9	139.4	178.4	131.9
87.5°	6.0	6.0	6.0	6.0	6.0	7.5	16.5	25.5	34.5	61.5	46.5
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°	2180.1	2180.1	2180.1	2180.1	2180.1	2180.1	2180.1	2180.1	2180.1	2180.1	2180.1
2.5°	2210.1	2196.6	2204.1	2208.6	2207.1	2204.1	2189.1	2186.1	2178.6	2166.6	2163.6
5°	2276.1	2261.1	2262.6	2258.1	2243.1	2223.6	2190.6	2174.1	2160.6	2145.6	2144.1
7.5°	2379.5	2363.1	2358.6	2337.6	2295.6	2250.6	2198.1	2168.1	2145.6	2126.1	2123.1
10°	2511.5	2495.0	2480.0	2430.5	2361.6	2301.6	2232.6	2189.1	2156.1	2132.1	2127.6
12.5°	2658.4	2644.9	2607.5	2535.5	2453.0	2382.5	2312.1	2258.1	2210.1	2174.1	2169.6
15°	2821.9	2791.9	2734.9	2641.9	2564.0	2507.0	2421.5	2348.1	2271.6	2223.6	2213.1
17.5°	2935.8	2910.3	2842.9	2752.9	2691.4	2641.9	2541.5	2436.5	2333.1	2262.6	2247.6
20°	3016.8	2989.8	2913.3	2847.4	2827.9	2785.9	2668.9	2547.5	2427.5	2340.6	2321.1
22.5°	3075.3	3046.8	2968.8	2935.8	2962.8	2955.3	2841.4	2703.4	2561.0	2457.5	2433.5
25°	3130.7	3103.8	3034.8	3046.8	3118.7	3141.2	3018.3	2857.9	2695.9	2574.5	2546.0
27.5°	3183.2	3148.7	3117.2	3183.2	3285.2	3327.2	3196.7	3015.3	2839.9	2715.4	2692.9
30°	3264.2	3223.7	3219.2	3315.2	3477.1	3513.1	3369.1	3187.7	3013.8	2887.8	2859.4
32.5°	3366.1	3328.7	3331.7	3475.6	3663.0	3693.0	3570.1	3400.6	3226.7	3100.8	3061.8
35°	3504.1	3457.6	3483.1	3660.0	3849.0	3904.4	3805.5	3664.5	3495.1	3366.1	3322.7
37.5°	3694.5	3627.0	3679.5	3865.4	4055.9	4138.3	4061.9	3956.9	3789.0	3658.5	3618.0
40°	3937.4	3881.9	3902.9	4108.3	4304.8	4403.7	4355.7	4252.3	4085.9	3949.4	3902.9
42.5°	4225.3	4169.8	4162.3	4381.2	4577.7	4727.6	4681.1	4586.7	4414.2	4258.3	4213.3
45°	4507.2	4456.2	4466.7	4690.1	4910.5	5074.0	5027.5	4916.5	4729.1	4549.2	4513.2
47.5°	4801.1	4759.1	4768.1	5005.0	5247.9	5411.3	5352.8	5217.9	4999.0	4807.1	4763.6
50°	5102.4	5054.5	5068.0	5316.9	5579.3	5733.7	5643.7	5444.3	5202.9	5015.5	4978.0
52.5°	5402.3	5345.4	5379.8	5615.2	5886.6	6009.6	5843.2	5601.7	5367.8	5181.9	5139.9
55°	5747.2	5687.2	5649.7	5901.6	6170.0	6221.0	5993.1	5711.2	5433.8	5222.4	5196.9
57.5°	6062.1	6011.1	5940.6	6192.5	6390.4	6352.9	6108.5	5681.2	5273.4	5002.0	4966.0
60°	6343.9	6300.5	6239.0	6453.4	6543.4	6459.4	6015.6	5325.9	4877.5	4594.2	4577.7
62.5°	6603.3	6556.9	6499.9	6682.8	6670.8	6475.9	5592.8	4780.1	4180.3	3875.9	3849.0
65°	6808.8	6766.8	6750.3	6894.2	6874.7	6153.5	4934.5	3886.4	3054.3	2710.9	2700.4
67.5°	6867.2	6850.7	6939.2	7183.6	6879.2	5505.8	3869.9	2577.5	1640.3	1315.0	1295.5
70°	6648.3	6646.8	6900.2	7249.6	6255.5	4205.8	2283.6	1162.0	824.7	731.7	719.7
72.5°	6363.4	6358.9	6559.9	6254.0	4639.1	2301.6	961.1	622.2	515.8	490.3	490.3
75°	5895.6	5883.6	6035.1	4757.6	2609.0	866.7	509.8	427.3	404.8	400.3	400.3
77.5°	4805.6	4705.1	4466.7	2940.3	910.1	425.8	337.4	335.9	322.4	320.9	320.9
80°	1580.4	1580.4	1836.8	1121.5	401.8	262.4	238.4	250.4	236.9	227.9	226.4
82.5°	257.9	355.4	505.3	320.9	217.4	163.4	146.9	155.9	163.4	130.4	130.4
85°	102.0	133.4	194.9	149.9	100.5	66.0	70.5	78.0	69.0	60.0	58.5
87.5°	39.0	48.0	69.0	36.0	21.0	12.0	7.5	7.5	6.0	6.0	6.0
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)