

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: P636047

Luminaire Tested: GWS-SA3F-722-U-RW-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636047  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-722-U-RW-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15876.7 lumens  
Efficiency: N/A  
Efficacy: 86.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 183.2  
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

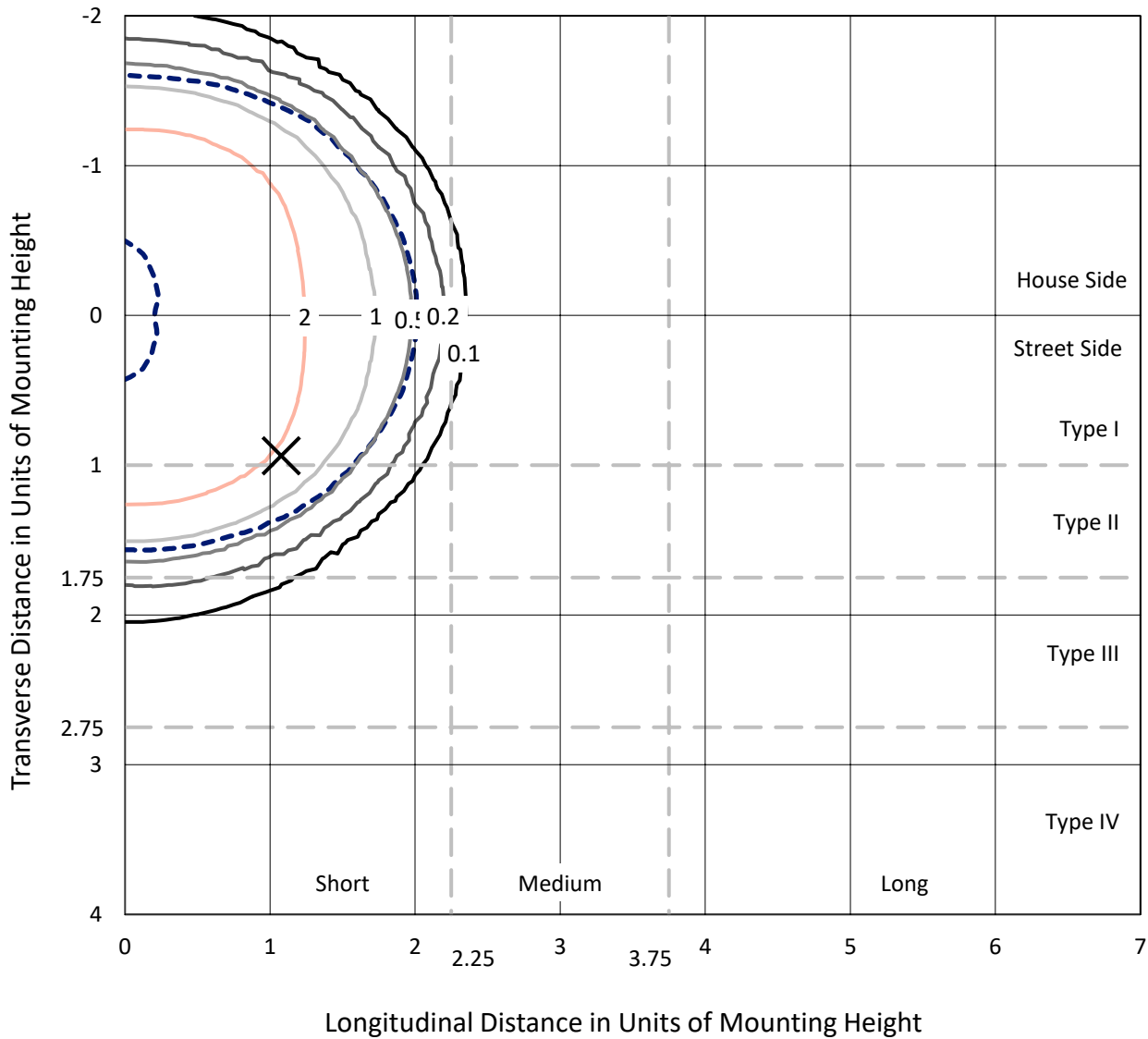


REPORT NUMBER: P636047

CATALOG NUMBER: GWS-SA3F-722-U-RW-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

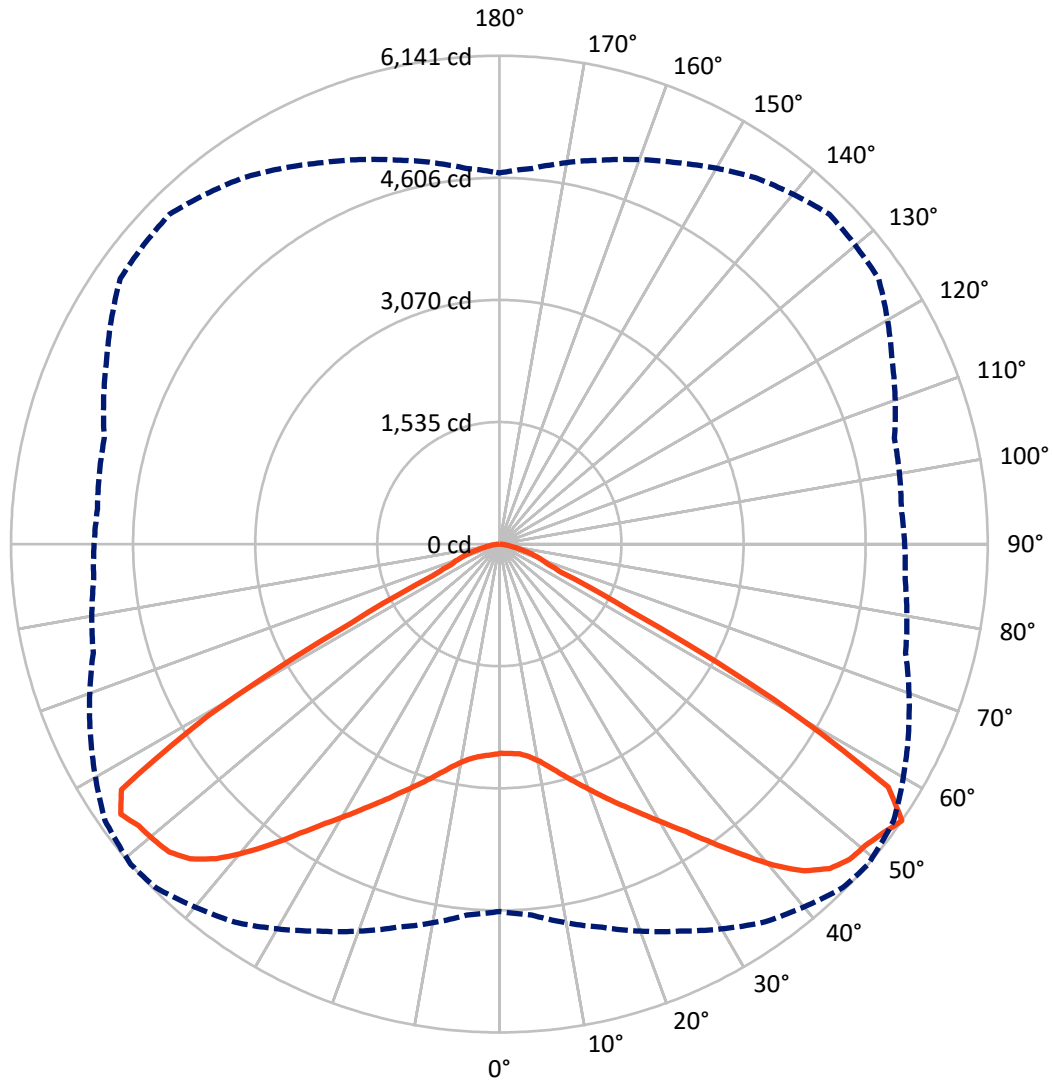
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P636047  
CATALOG NUMBER: GWS-SA3F-722-U-RW-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P636047

CATALOG NUMBER: GWS-SA3F-722-U-RW-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7860.5	0.0	7860.5
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	8016.2	0.0	8016.2
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	15876.7	0.0	15876.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.6	1.6
10°-20°	846.3	5.3
20°-30°	1611.9	10.2
30°-40°	2732.5	17.2
40°-50°	4112.2	25.9
50°-60°	4501.2	28.4
60°-70°	1423.3	9.0
70°-80°	341.6	2.2
80°-90°	51.3	0.3
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°	15876.7	100.0
0°-180°	15876.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636047

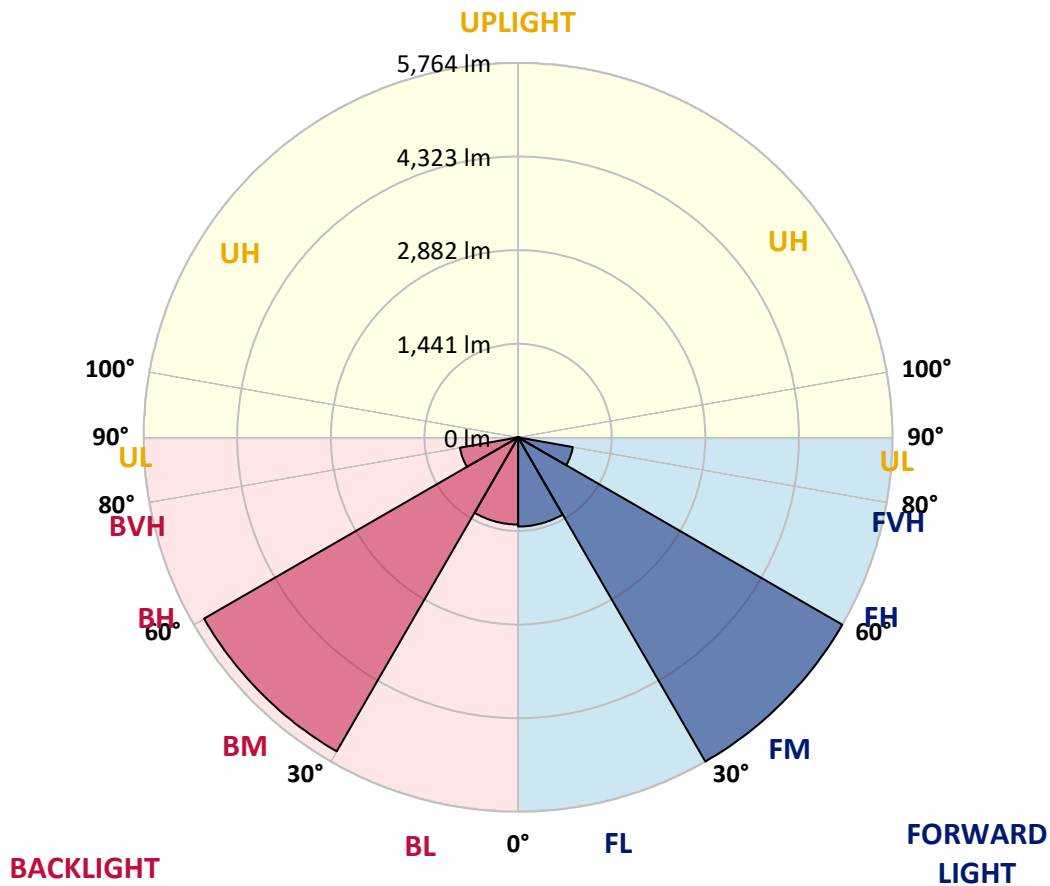
CATALOG NUMBER: GWS-SA3F-722-U-RW-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1372.7	8.6			
FM (30°-60°)	5763.7	36.3			
FH (60°-80°)	856.1	5.4			G1/1800
FVH (80°-90°)	23.7	0.1			G1/100
BL (0°-30°)	1342.0	8.5	B3/2500		
BM (30°-60°)	5582.2	35.2	B4/8500		
BH (60°-80°)	908.8	5.7	B2/1000		G1/1800
BVH (80°-90°)	27.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





REPORT NUMBER: P636047  
 CATALOG NUMBER: GWS-SA3F-722-U-RW-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	2630.1	2630.1	2630.1	2630.1	2630.1	2630.1	2630.1	2630.1	2630.1	2630.1	2630.1
2.5°	2591.3	2593.9	2599.1	2608.1	2617.2	2630.1	2635.2	2641.7	2640.4	2648.1	2648.1
5°	2578.4	2582.3	2590.0	2603.0	2618.5	2643.0	2649.4	2664.9	2680.4	2699.8	2706.2
7.5°	2593.9	2599.1	2608.1	2628.8	2652.0	2684.3	2697.2	2723.0	2752.7	2787.6	2801.8
10°	2623.6	2630.1	2645.6	2679.1	2716.6	2765.6	2777.3	2809.5	2857.3	2905.1	2933.5
12.5°	2657.2	2667.5	2695.9	2748.9	2804.4	2868.9	2887.0	2927.0	2978.7	3040.7	3079.4
15°	2695.9	2705.0	2748.9	2823.7	2910.3	2995.5	3016.1	3054.9	3113.0	3173.6	3227.9
17.5°	2777.3	2792.8	2844.4	2930.9	3031.6	3132.3	3155.6	3199.5	3245.9	3293.7	3345.4
20°	2888.3	2901.2	2967.1	3074.2	3193.0	3284.7	3307.9	3346.7	3368.6	3393.1	3437.0
22.5°	2999.3	3017.4	3092.3	3218.8	3358.3	3457.7	3475.8	3511.9	3496.4	3488.7	3517.1
25°	3137.5	3162.0	3235.6	3373.8	3515.8	3638.5	3652.7	3683.6	3657.8	3617.8	3616.5
27.5°	3309.2	3331.2	3407.3	3549.4	3690.1	3817.9	3845.0	3886.4	3829.5	3780.5	3745.6
30°	3513.2	3527.4	3611.3	3762.4	3907.0	4028.4	4063.2	4104.6	4062.0	3980.6	3945.8
32.5°	3750.8	3770.2	3867.0	4025.8	4154.9	4276.3	4311.1	4362.8	4316.3	4224.6	4180.7
35°	4036.1	4055.5	4157.5	4330.5	4462.2	4587.5	4612.0	4654.6	4596.5	4490.6	4455.8
37.5°	4346.0	4370.5	4499.7	4663.6	4801.8	4947.7	4949.0	4961.9	4879.3	4747.6	4708.8
40°	4694.6	4726.9	4856.0	5026.4	5193.0	5311.8	5310.5	5274.3	5134.9	4930.9	4871.5
42.5°	5039.4	5065.2	5195.6	5371.2	5537.7	5650.1	5616.5	5528.7	5327.3	5049.7	4970.9
45°	5288.5	5307.9	5444.8	5642.3	5811.5	5881.2	5820.5	5714.6	5442.2	5124.6	5008.4
47.5°	5406.0	5431.9	5570.0	5766.3	5957.4	5997.4	5925.1	5825.7	5509.3	5194.3	5038.1
50°	5342.8	5376.3	5532.6	5714.6	5930.2	6012.9	5961.2	5861.8	5580.3	5262.7	5091.0
52.5°	5178.8	5211.1	5408.6	5629.4	5873.4	6037.4	6036.1	5954.8	5661.7	5282.1	5093.6
55°	4618.4	4681.7	4989.0	5369.9	5803.7	6109.7	6140.7	6054.2	5674.6	5287.3	5120.7
57.5°	3005.8	3116.8	3408.6	3904.4	4774.7	5557.1	5766.3	5786.9	5581.6	5265.3	5125.9
60°	1255.0	1344.1	1575.2	1904.4	2623.6	3554.5	3960.0	4366.7	4857.3	5035.5	5078.1
62.5°	779.9	787.6	810.8	885.7	1125.9	1580.4	1841.2	2222.1	2951.6	3572.6	3859.2
65°	703.7	707.5	712.7	707.5	719.2	774.7	844.4	977.4	1274.4	1582.9	1949.6
67.5°	619.8	624.9	628.8	624.9	628.8	631.4	639.1	650.7	705.0	748.9	782.4
70°	501.0	508.7	515.2	512.6	528.1	528.1	535.8	544.9	572.0	604.3	627.5
72.5°	382.2	375.7	383.5	386.1	400.3	408.0	419.6	430.0	460.9	480.3	510.0
75°	247.9	241.4	253.1	259.5	278.9	289.2	299.5	309.9	331.8	344.7	373.1
77.5°	134.3	133.0	144.6	153.6	174.3	187.2	195.0	202.7	220.8	224.7	242.7
80°	77.5	77.5	85.2	91.7	104.6	118.8	126.5	133.0	145.9	149.8	157.5
82.5°	42.6	42.6	46.5	50.4	60.7	68.4	74.9	80.1	91.7	95.5	99.4
85°	20.7	19.4	21.9	24.5	28.4	32.3	36.2	38.7	47.8	50.4	55.5
87.5°	2.6	2.6	2.6	3.9	5.2	7.7	9.0	9.0	14.2	16.8	19.4
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: P636047

CATALOG NUMBER: GWS-SA3F-722-U-RW-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2630.1	2630.1	2630.1	2630.1	2630.1	2630.1	2630.1	2630.1	2630.1	2630.1	2630.1
2.5°	2655.9	2639.1	2649.4	2653.3	2653.3	2649.4	2632.7	2627.5	2619.7	2608.1	2608.1
5°	2715.3	2702.4	2705.0	2698.5	2683.0	2663.6	2632.7	2617.2	2604.2	2590.0	2588.8
7.5°	2817.3	2800.5	2797.9	2773.4	2732.1	2690.8	2644.3	2615.9	2596.5	2578.4	2577.1
10°	2950.3	2934.8	2915.4	2866.4	2805.7	2745.0	2681.7	2643.0	2614.6	2588.8	2587.5
12.5°	3098.8	3080.7	3044.5	2972.2	2896.0	2836.7	2764.4	2705.0	2662.4	2627.5	2621.0
15°	3260.2	3234.3	3172.4	3087.1	3012.3	2949.0	2871.5	2786.3	2721.7	2666.2	2659.8
17.5°	3384.1	3350.5	3283.4	3203.3	3141.4	3078.1	2977.4	2870.2	2777.3	2707.5	2697.2
20°	3469.3	3442.2	3366.0	3306.6	3270.5	3215.0	3097.5	2976.1	2871.5	2783.7	2778.6
22.5°	3548.1	3515.8	3440.9	3406.1	3406.1	3368.6	3256.3	3113.0	2990.3	2888.3	2875.4
25°	3637.2	3602.3	3545.5	3541.6	3559.7	3542.9	3407.3	3253.7	3110.4	2995.5	2974.8
27.5°	3761.1	3722.4	3688.8	3712.1	3737.9	3719.8	3568.7	3390.6	3239.5	3123.3	3105.2
30°	3958.7	3910.9	3879.9	3908.3	3958.7	3905.7	3741.8	3553.2	3400.9	3273.1	3264.0
32.5°	4188.5	4134.3	4102.0	4147.2	4192.4	4109.7	3947.0	3766.3	3606.2	3471.9	3456.4
35°	4464.8	4396.4	4348.6	4409.3	4455.8	4374.4	4213.0	4041.3	3863.1	3723.7	3703.0
37.5°	4710.1	4627.5	4595.2	4680.4	4742.4	4689.5	4513.9	4352.5	4157.5	4005.1	3996.1
40°	4888.3	4806.9	4783.7	4924.4	5032.9	5020.0	4862.5	4677.8	4494.5	4318.9	4302.1
42.5°	4965.8	4909.0	4914.1	5103.9	5271.8	5354.4	5213.7	5016.1	4839.2	4657.2	4645.6
45°	4982.5	4947.7	4989.0	5226.6	5447.4	5616.5	5496.4	5331.2	5131.0	4955.4	4950.3
47.5°	5000.6	4981.3	5044.5	5296.3	5558.4	5754.7	5687.5	5517.1	5314.4	5142.6	5129.7
50°	5043.2	5035.5	5106.5	5345.4	5611.3	5792.1	5715.9	5546.8	5338.9	5169.8	5138.8
52.5°	5056.1	5043.2	5145.2	5421.5	5699.1	5790.8	5626.8	5406.0	5196.9	5008.4	4976.1
55°	5096.2	5072.9	5142.6	5449.9	5820.5	5865.7	5621.7	5291.1	4999.3	4742.4	4666.2
57.5°	5106.5	5080.7	5125.9	5403.5	5688.8	5648.8	4941.2	4269.8	3719.8	3434.5	3466.7
60°	5051.0	5058.7	4981.3	4950.3	4562.9	4028.4	3025.2	2418.3	1899.3	1679.8	1727.6
62.5°	3845.0	3877.3	3612.6	3141.4	2415.7	1914.8	1266.6	983.9	832.8	794.1	800.5
65°	1940.6	1984.5	1709.5	1413.8	1051.0	849.6	734.7	711.4	703.7	694.6	694.6
67.5°	768.2	781.1	770.8	721.8	671.4	653.3	648.2	645.6	636.5	631.4	632.7
70°	617.2	627.5	612.0	581.0	560.4	559.1	556.5	551.3	544.9	544.9	548.7
72.5°	503.5	513.9	491.9	472.6	457.1	445.4	439.0	435.1	426.1	426.1	430.0
75°	370.6	377.0	358.9	356.4	339.6	328.0	317.6	312.5	300.8	295.7	299.5
77.5°	246.6	245.3	236.3	236.3	229.8	215.6	204.0	192.4	176.9	166.6	169.1
80°	160.1	160.1	156.2	156.2	149.8	138.2	124.0	112.3	103.3	95.5	95.5
82.5°	102.0	100.7	99.4	98.1	95.5	83.9	73.6	65.8	59.4	54.2	55.5
85°	56.8	56.8	54.2	54.2	49.1	42.6	37.4	32.3	28.4	27.1	27.1
87.5°	19.4	19.4	18.1	18.1	15.5	11.6	9.0	7.7	6.5	5.2	6.5
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)