

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: P641657

Luminaire Tested: GWS-SA6B-735-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641657
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-SA6B-735-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18408.6 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

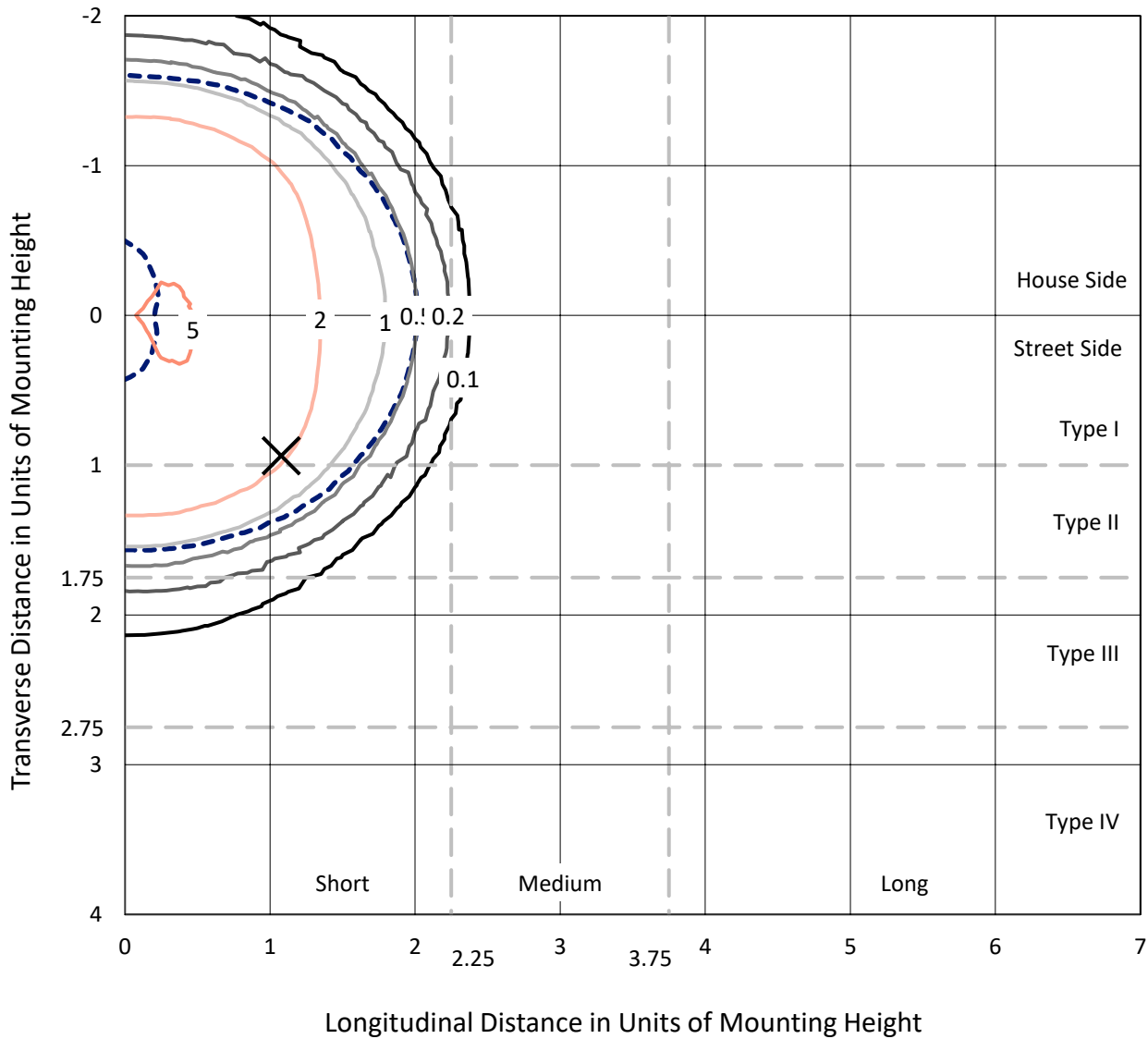
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641657
 CATALOG NUMBER: GWS-SA6B-735-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

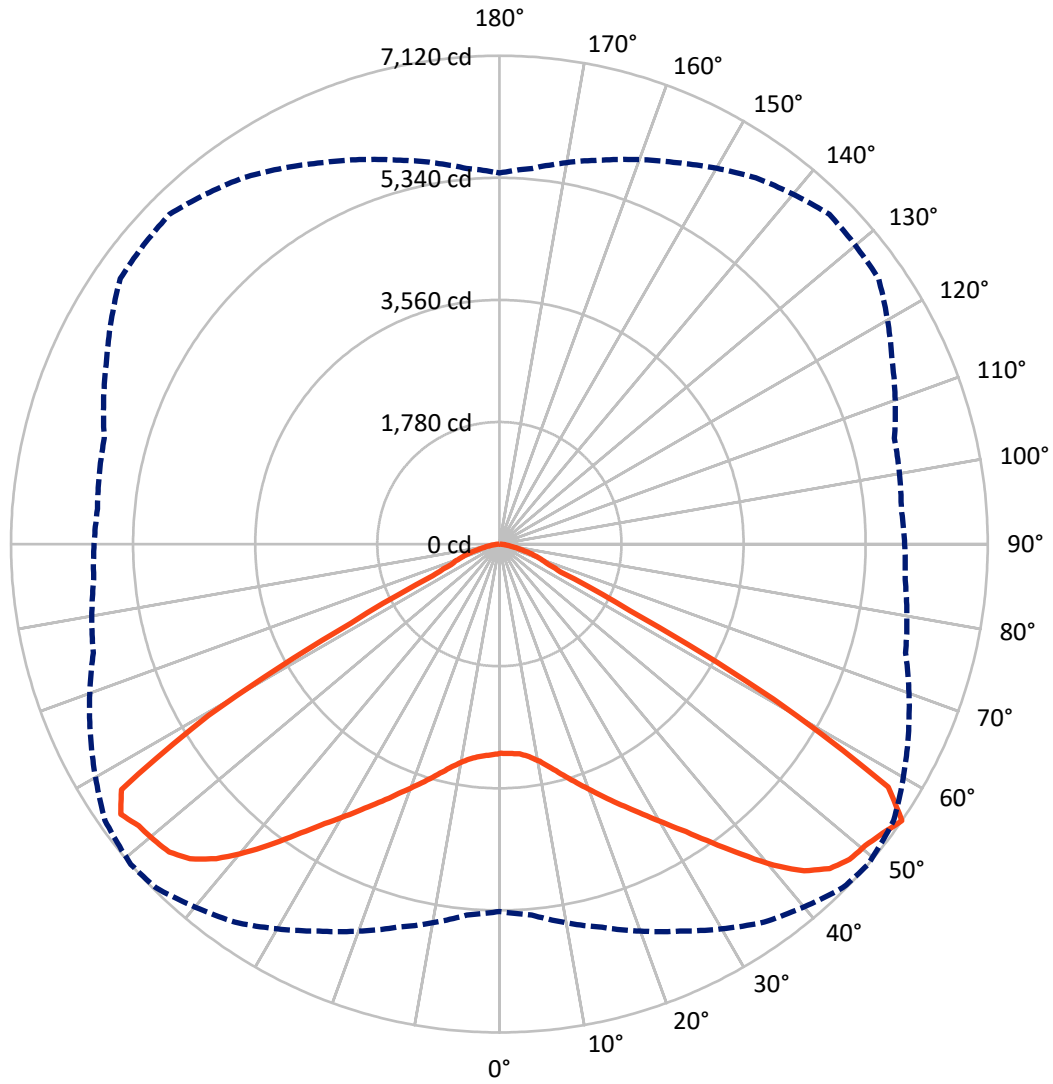
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

REPORT NUMBER: P641657
CATALOG NUMBER: GWS-SA6B-735-U-RW-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641657

CATALOG NUMBER: GWS-SA6B-735-U-RW-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9114.0	0.0	9114.0
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	9294.6	0.0	9294.6
	% Fixture	50.5	0.0	50.5
Total	Lumens	18408.6	0.0	18408.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.5	1.6
10°-20°	981.2	5.3
20°-30°	1868.9	10.2
30°-40°	3168.2	17.2
40°-50°	4768.0	25.9
50°-60°	5219.0	28.4
60°-70°	1650.3	9.0
70°-80°	396.1	2.2
80°-90°	59.4	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°	18408.6	100.0
0°-180°	18408.6	100.0

Coefficient of Utilization



REPORT NUMBER: P641657

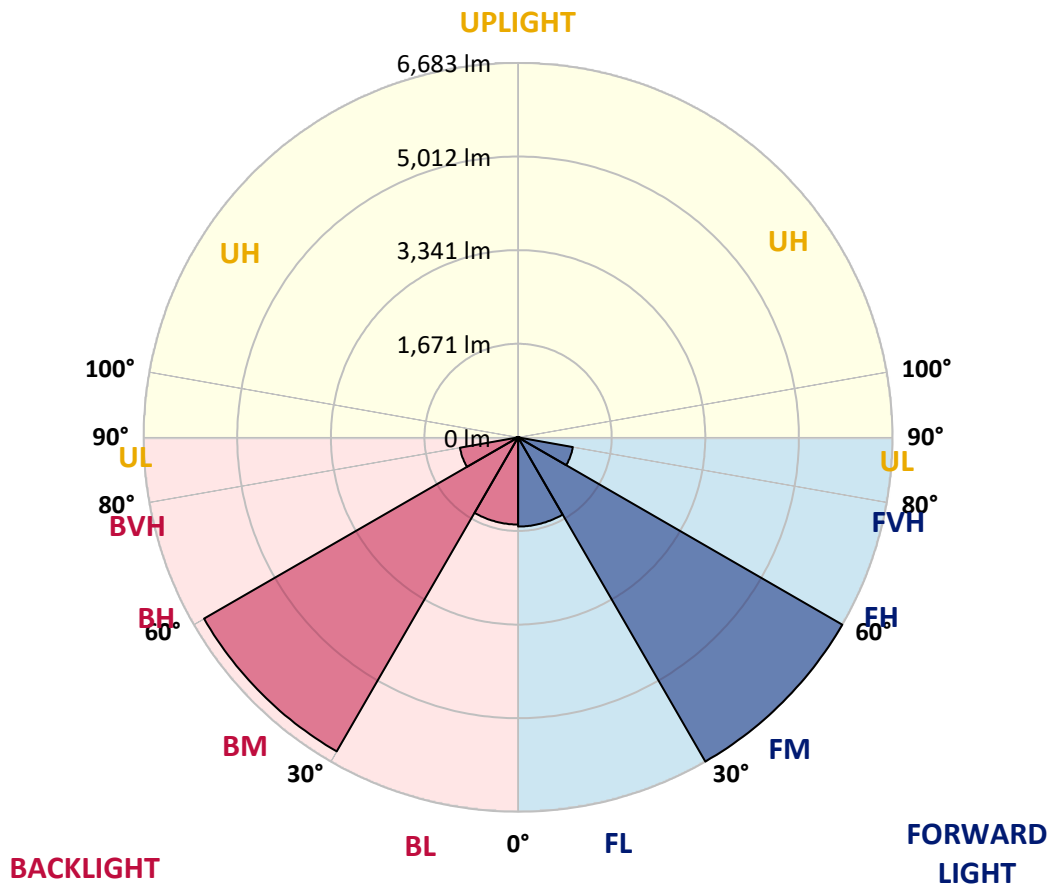
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1591.6	8.6			
FM (30°-60°)	6682.8	36.3			
FH (60°-80°)	992.7	5.4			G1/1800
FVH (80°-90°)	27.5	0.1			G1/100
BL (0°-30°)	1556.0	8.5	B3/2500		
BM (30°-60°)	6472.4	35.2	B4/8500		
BH (60°-80°)	1053.7	5.7	B3/2500		G1/1800
BVH (80°-90°)	31.9	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: P641657
 CATALOG NUMBER: GWS-SA6B-735-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5
2.5°	3004.6	3007.6	3013.6	3024.0	3034.5	3049.5	3055.5	3063.0	3061.5	3070.5	3070.5
5°	2989.6	2994.1	3003.1	3018.1	3036.0	3064.5	3072.0	3089.9	3107.9	3130.3	3137.8
7.5°	3007.6	3013.6	3024.0	3048.0	3074.9	3112.4	3127.3	3157.3	3191.7	3232.1	3248.6
10°	3042.0	3049.5	3067.5	3106.4	3149.8	3206.7	3220.2	3257.6	3313.0	3368.4	3401.3
12.5°	3080.9	3092.9	3125.8	3187.2	3251.6	3326.5	3347.4	3393.8	3453.7	3525.6	3570.5
15°	3125.8	3136.3	3187.2	3274.1	3374.4	3473.2	3497.1	3542.0	3609.4	3679.8	3742.6
17.5°	3220.2	3238.1	3298.0	3398.3	3515.1	3631.8	3658.8	3709.7	3763.6	3819.0	3878.9
20°	3348.9	3363.9	3440.2	3564.5	3702.2	3808.5	3835.4	3880.4	3905.8	3934.3	3985.2
22.5°	3477.7	3498.6	3585.4	3732.2	3893.8	4009.1	4030.1	4072.0	4054.0	4045.0	4078.0
25°	3637.8	3666.3	3751.6	3911.8	4076.5	4218.7	4235.2	4271.1	4241.2	4194.7	4193.2
27.5°	3836.9	3862.4	3950.7	4115.4	4278.6	4426.8	4458.2	4506.1	4440.3	4383.4	4342.9
30°	4073.5	4089.9	4187.3	4362.4	4530.1	4670.8	4711.2	4759.1	4709.7	4615.4	4575.0
32.5°	4348.9	4371.4	4483.7	4667.8	4817.5	4958.2	4998.7	5058.5	5004.6	4898.4	4847.5
35°	4679.8	4702.2	4820.5	5021.1	5173.8	5319.0	5347.5	5396.9	5329.5	5206.7	5166.3
37.5°	5039.1	5067.5	5217.2	5407.4	5567.5	5736.7	5738.2	5753.2	5657.4	5504.7	5459.8
40°	5443.3	5480.7	5630.4	5828.0	6021.1	6158.9	6157.4	6115.5	5953.8	5717.2	5648.4
42.5°	5843.0	5872.9	6024.1	6227.7	6420.9	6551.1	6512.2	6410.4	6176.8	5855.0	5763.7
45°	6131.9	6154.4	6313.1	6542.1	6738.2	6819.1	6748.7	6626.0	6310.1	5941.8	5807.1
47.5°	6268.2	6298.1	6458.3	6685.8	6907.4	6953.8	6870.0	6754.7	6387.9	6022.6	5841.5
50°	6194.8	6233.7	6414.9	6626.0	6876.0	6971.8	6911.9	6796.6	6470.3	6102.0	5902.9
52.5°	6004.7	6042.1	6271.2	6527.1	6810.1	7000.2	6998.7	6904.4	6564.6	6124.4	5905.9
55°	5355.0	5428.3	5784.6	6226.2	6729.3	7084.1	7120.0	7019.7	6579.5	6130.4	5937.3
57.5°	3485.1	3613.9	3952.2	4527.1	5536.1	6443.3	6685.8	6709.8	6471.8	6105.0	5943.3
60°	1455.1	1558.4	1826.4	2208.2	3042.0	4121.4	4591.5	5063.0	5631.9	5838.5	5887.9
62.5°	904.2	913.2	940.1	1027.0	1305.4	1832.4	2134.8	2576.4	3422.3	4142.3	4474.7
65°	815.9	820.4	826.4	820.4	833.9	898.2	979.1	1133.3	1477.6	1835.4	2260.5
67.5°	718.6	724.6	729.1	724.6	729.1	732.1	741.0	754.5	817.4	868.3	907.2
70°	580.9	589.8	597.3	594.3	612.3	612.3	621.3	631.8	663.2	700.6	727.6
72.5°	443.1	435.6	444.6	447.6	464.1	473.1	486.5	498.5	534.4	556.9	591.3
75°	287.4	279.9	293.4	300.9	323.4	335.3	347.3	359.3	384.7	399.7	432.6
77.5°	155.7	154.2	167.7	178.1	202.1	217.1	226.1	235.0	256.0	260.5	281.4
80°	89.8	89.8	98.8	106.3	121.3	137.7	146.7	154.2	169.2	173.7	182.6
82.5°	49.4	49.4	53.9	58.4	70.4	79.3	86.8	92.8	106.3	110.8	115.3
85°	24.0	22.5	25.4	28.4	32.9	37.4	41.9	44.9	55.4	58.4	64.4
87.5°	3.0	3.0	3.0	4.5	6.0	9.0	10.5	10.5	16.5	19.5	22.5
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: P641657

CATALOG NUMBER: GWS-SA6B-735-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5
2.5°	3079.4	3060.0	3072.0	3076.4	3076.4	3072.0	3052.5	3046.5	3037.5	3024.0	3024.0
5°	3148.3	3133.3	3136.3	3128.8	3110.9	3088.4	3052.5	3034.5	3019.6	3003.1	3001.6
7.5°	3266.6	3247.1	3244.1	3215.7	3167.8	3119.9	3066.0	3033.0	3010.6	2989.6	2988.1
10°	3420.8	3402.8	3380.3	3323.5	3253.1	3182.7	3109.4	3064.5	3031.5	3001.6	3000.1
12.5°	3592.9	3572.0	3530.1	3446.2	3357.9	3289.0	3205.2	3136.3	3086.9	3046.5	3039.0
15°	3780.1	3750.1	3678.3	3579.5	3492.6	3419.3	3329.4	3230.6	3155.8	3091.4	3083.9
17.5°	3923.8	3884.9	3807.0	3714.2	3642.3	3569.0	3452.2	3327.9	3220.2	3139.3	3127.3
20°	4022.6	3991.1	3902.8	3834.0	3792.0	3727.7	3591.4	3450.7	3329.4	3227.6	3221.7
22.5°	4113.9	4076.5	3989.6	3949.2	3949.2	3905.8	3775.6	3609.4	3467.2	3348.9	3333.9
25°	4217.2	4176.8	4110.9	4106.4	4127.4	4107.9	3950.7	3772.6	3606.4	3473.2	3449.2
27.5°	4360.9	4316.0	4277.1	4304.0	4334.0	4313.0	4137.9	3931.3	3756.1	3621.4	3600.4
30°	4590.0	4534.6	4498.6	4531.6	4590.0	4528.6	4338.5	4119.9	3943.2	3795.0	3784.5
32.5°	4856.4	4793.6	4756.1	4808.5	4860.9	4765.1	4576.5	4366.9	4181.3	4025.6	4007.6
35°	5176.8	5097.5	5042.1	5112.4	5166.3	5072.0	4884.9	4685.8	4479.2	4317.5	4293.5
37.5°	5461.2	5365.4	5328.0	5426.8	5498.7	5437.3	5233.7	5046.6	4820.5	4643.9	4633.4
40°	5667.8	5573.5	5546.6	5709.8	5835.5	5820.5	5637.9	5423.8	5211.2	5007.6	4988.2
42.5°	5757.7	5691.8	5697.8	5917.8	6112.5	6208.3	6045.1	5816.0	5611.0	5399.9	5386.4
45°	5777.1	5736.7	5784.6	6060.1	6316.1	6512.2	6373.0	6181.3	5949.3	5745.7	5739.7
47.5°	5798.1	5775.6	5849.0	6140.9	6444.8	6672.4	6594.5	6396.9	6161.9	5962.8	5947.8
50°	5847.5	5838.5	5920.8	6197.8	6506.2	6715.8	6627.5	6431.3	6190.3	5994.2	5958.3
52.5°	5862.5	5847.5	5965.8	6286.1	6608.0	6714.3	6524.2	6268.2	6025.6	5807.1	5769.6
55°	5908.9	5881.9	5962.8	6319.1	6748.7	6801.1	6518.2	6134.9	5796.6	5498.7	5410.3
57.5°	5920.8	5890.9	5943.3	6265.2	6596.0	6549.6	5729.2	4950.8	4313.0	3982.2	4019.6
60°	5856.5	5865.5	5775.6	5739.7	5290.6	4670.8	3507.6	2804.0	2202.2	1947.7	2003.1
62.5°	4458.2	4495.6	4188.8	3642.3	2801.0	2220.1	1468.6	1140.8	965.6	920.7	928.2
65°	2250.1	2301.0	1982.1	1639.3	1218.6	985.1	851.8	824.9	815.9	805.4	805.4
67.5°	890.7	905.7	893.7	836.9	778.5	757.5	751.5	748.5	738.0	732.1	733.6
70°	715.6	727.6	709.6	673.7	649.7	648.2	645.2	639.2	631.8	631.8	636.2
72.5°	583.9	595.8	570.4	547.9	530.0	516.5	509.0	504.5	494.0	494.0	498.5
75°	429.7	437.1	416.2	413.2	393.7	380.3	368.3	362.3	348.8	342.8	347.3
77.5°	285.9	284.4	274.0	274.0	266.5	250.0	236.5	223.1	205.1	193.1	196.1
80°	185.6	185.6	181.1	181.1	173.7	160.2	143.7	130.2	119.8	110.8	110.8
82.5°	118.3	116.8	115.3	113.8	110.8	97.3	85.3	76.3	68.9	62.9	64.4
85°	65.9	65.9	62.9	62.9	56.9	49.4	43.4	37.4	32.9	31.4	31.4
87.5°	22.5	22.5	21.0	21.0	18.0	13.5	10.5	9.0	7.5	6.0	7.5
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)