

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: P641987

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641987  
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-SA6C-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

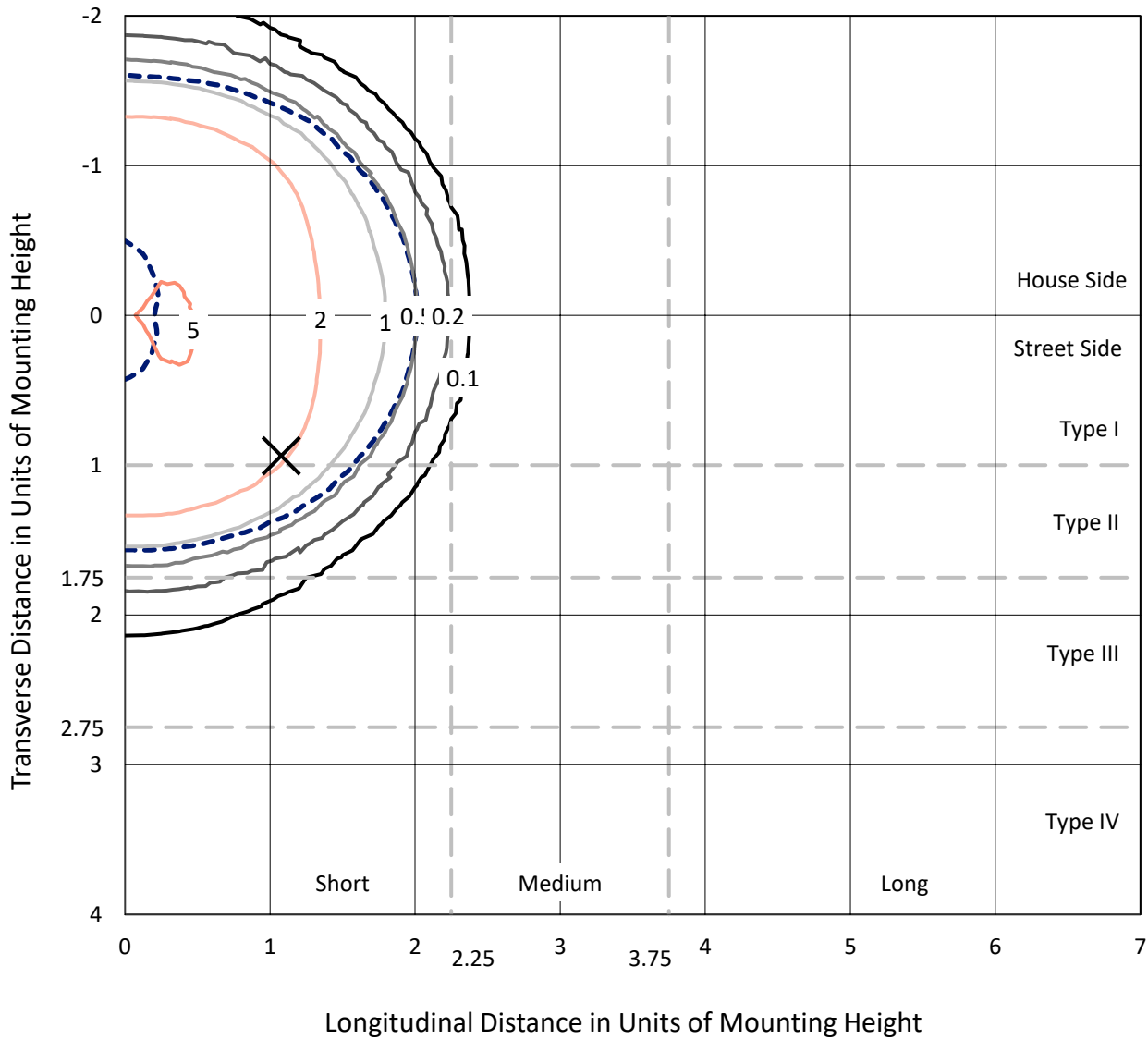
Lumens per Lamp: N/A  
Luminaire Lumens: 18437.7 lumens  
Efficiency: N/A  
Efficacy: 97.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

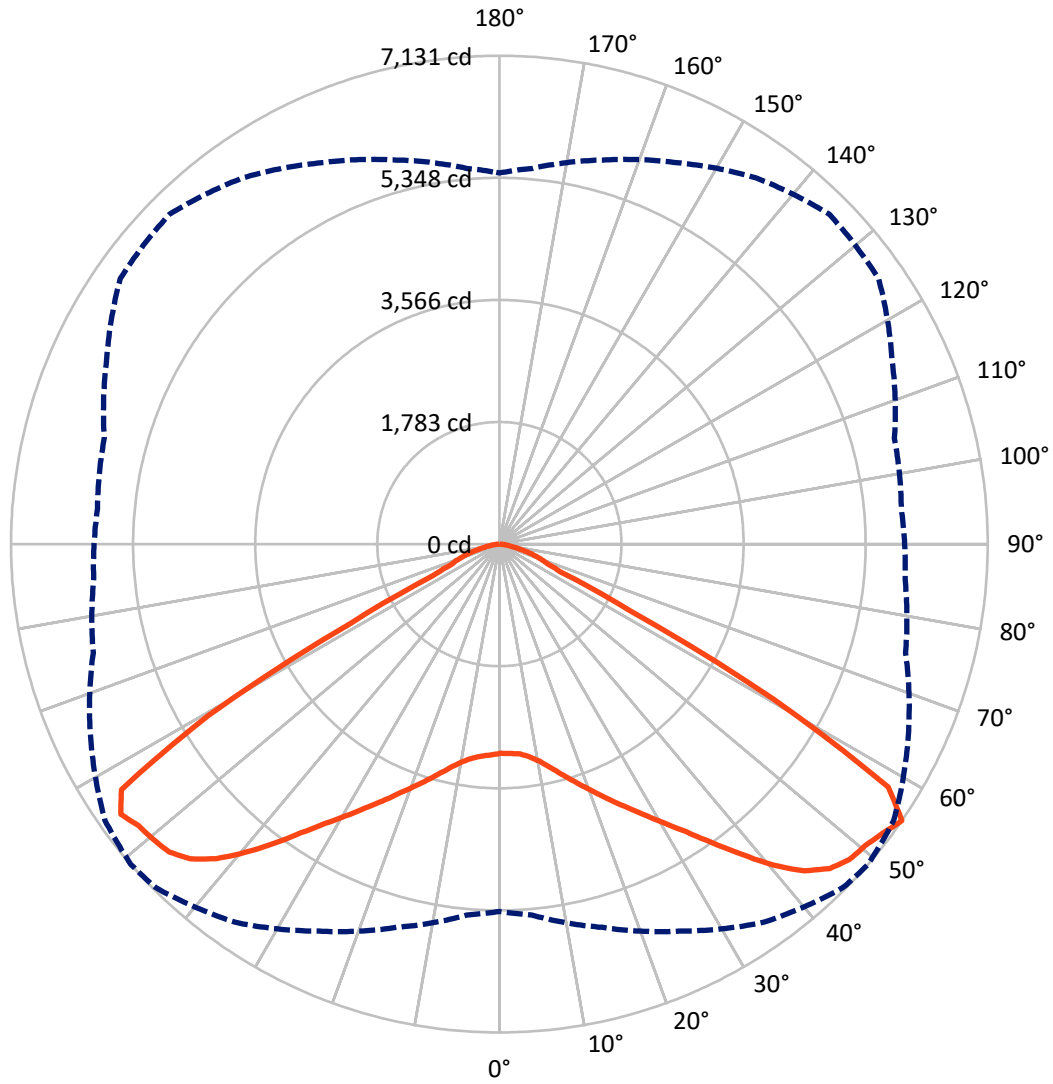
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9128.4	0.0	9128.4
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	9309.3	0.0	9309.3
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	18437.7	0.0	18437.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.9	1.6
10°-20°	982.8	5.3
20°-30°	1871.9	10.2
30°-40°	3173.2	17.2
40°-50°	4775.5	25.9
50°-60°	5227.3	28.4
60°-70°	1652.9	9.0
70°-80°	396.7	2.2
80°-90°	59.5	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°	18437.7	100.0
0°-180°	18437.7	100.0

**Coefficient of Utilization**



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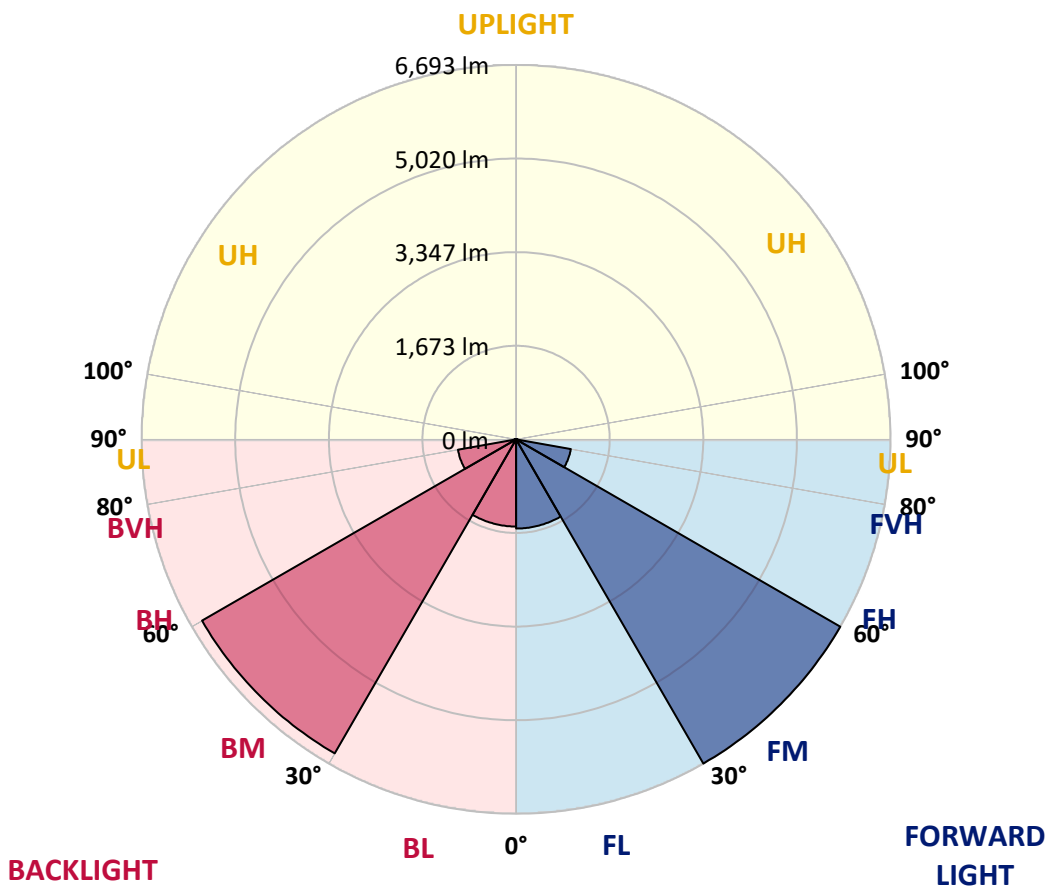
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1594.1	8.6			
FM (30°-60°)	6693.4	36.3			
FH (60°-80°)	994.2	5.4			G1/1800
FVH (80°-90°)	27.6	0.1			G1/100
BL (0°-30°)	1558.5	8.5	B3/2500		
BM (30°-60°)	6482.6	35.2	B4/8500		
BH (60°-80°)	1055.3	5.7	B3/2500		G1/1800
BVH (80°-90°)	32.0	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	3054.3	3054.3	3054.3	3054.3	3054.3	3054.3	3054.3	3054.3	3054.3	3054.3	3054.3
2.5°	3009.3	3012.3	3018.3	3028.8	3039.3	3054.3	3060.3	3067.8	3066.3	3075.3	3075.3
5°	2994.3	2998.8	3007.8	3022.8	3040.8	3069.3	3076.8	3094.8	3112.8	3135.3	3142.8
7.5°	3012.3	3018.3	3028.8	3052.8	3079.8	3117.3	3132.3	3162.3	3196.8	3237.2	3253.7
10°	3046.8	3054.3	3072.3	3111.3	3154.8	3211.8	3225.3	3262.7	3318.2	3373.7	3406.7
12.5°	3085.8	3097.8	3130.8	3192.3	3256.7	3331.7	3352.7	3399.2	3459.2	3531.1	3576.1
15°	3130.8	3141.3	3192.3	3279.2	3379.7	3478.7	3502.6	3547.6	3615.1	3685.6	3748.5
17.5°	3225.3	3243.2	3303.2	3403.7	3520.6	3637.6	3664.6	3715.6	3769.5	3825.0	3885.0
20°	3354.2	3369.2	3445.7	3570.1	3708.1	3814.5	3841.5	3886.5	3912.0	3940.5	3991.5
22.5°	3483.2	3504.1	3591.1	3738.1	3900.0	4015.4	4036.4	4078.4	4060.4	4051.4	4084.4
25°	3643.6	3672.1	3757.5	3918.0	4082.9	4225.4	4241.9	4277.8	4247.9	4201.4	4199.9
27.5°	3843.0	3868.5	3957.0	4121.9	4285.3	4433.8	4465.3	4513.3	4447.3	4390.3	4349.8
30°	4079.9	4096.4	4193.9	4369.3	4537.2	4678.2	4718.7	4766.7	4717.2	4622.7	4582.2
32.5°	4355.8	4378.3	4490.8	4675.2	4825.1	4966.1	5006.6	5066.5	5012.6	4906.1	4855.1
35°	4687.2	4709.7	4828.1	5029.1	5182.0	5327.4	5355.9	5405.4	5337.9	5215.0	5174.5
37.5°	5047.0	5075.5	5225.5	5415.9	5576.3	5745.8	5747.3	5762.3	5666.3	5513.4	5468.4
40°	5451.9	5489.4	5639.3	5837.2	6030.7	6168.6	6167.1	6125.1	5963.2	5726.3	5657.3
42.5°	5852.2	5882.2	6033.7	6237.6	6431.0	6561.5	6522.5	6420.5	6186.6	5864.2	5772.8
45°	6141.6	6164.1	6323.1	6552.5	6748.9	6829.9	6759.4	6636.4	6320.1	5951.2	5816.2
47.5°	6278.1	6308.1	6468.5	6696.4	6918.3	6964.8	6880.8	6765.4	6398.0	6032.2	5850.7
50°	6204.6	6243.6	6425.0	6636.4	6886.8	6982.8	6922.8	6807.4	6480.5	6111.6	5912.2
52.5°	6014.2	6051.7	6281.1	6537.5	6820.9	7011.3	7009.8	6915.3	6575.0	6134.1	5915.2
55°	5363.4	5436.9	5793.8	6236.1	6739.9	7095.3	7131.2	7030.8	6589.9	6140.1	5946.7
57.5°	3490.6	3619.6	3958.5	4534.2	5544.9	6453.5	6696.4	6720.4	6482.0	6114.6	5952.7
60°	1457.4	1560.9	1829.3	2211.6	3046.8	4127.9	4598.7	5071.0	5640.8	5847.7	5897.2
62.5°	905.6	914.6	941.6	1028.6	1307.5	1835.3	2138.2	2580.5	3427.7	4148.9	4481.8
65°	817.2	821.7	827.7	821.7	835.2	899.7	980.6	1135.1	1479.9	1838.3	2264.1
67.5°	719.7	725.7	730.2	725.7	730.2	733.2	742.2	755.7	818.7	869.7	908.6
70°	581.8	590.8	598.3	595.3	613.3	613.3	622.3	632.8	664.2	701.7	728.7
72.5°	443.8	436.3	445.3	448.3	464.8	473.8	487.3	499.3	535.3	557.8	592.3
75°	287.9	280.4	293.9	301.4	323.9	335.9	347.9	359.9	385.4	400.3	433.3
77.5°	155.9	154.4	167.9	178.4	202.4	217.4	226.4	235.4	256.4	260.9	281.9
80°	90.0	90.0	99.0	106.5	121.5	137.9	146.9	154.4	169.4	173.9	182.9
82.5°	49.5	49.5	54.0	58.5	70.5	79.5	87.0	93.0	106.5	111.0	115.5
85°	24.0	22.5	25.5	28.5	33.0	37.5	42.0	45.0	55.5	58.5	64.5
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3054.3	3054.3	3054.3	3054.3	3054.3	3054.3	3054.3	3054.3	3054.3	3054.3	3054.3
2.5°	3084.3	3064.8	3076.8	3081.3	3081.3	3076.8	3057.3	3051.3	3042.3	3028.8	3028.8
5°	3153.3	3138.3	3141.3	3133.8	3115.8	3093.3	3057.3	3039.3	3024.3	3007.8	3006.3
7.5°	3271.7	3252.2	3249.2	3220.8	3172.8	3124.8	3070.8	3037.8	3015.3	2994.3	2992.8
10°	3426.2	3408.2	3385.7	3328.7	3258.2	3187.8	3114.3	3069.3	3036.3	3006.3	3004.8
12.5°	3598.6	3577.6	3535.6	3451.7	3363.2	3294.2	3210.3	3141.3	3091.8	3051.3	3043.8
15°	3786.0	3756.0	3684.1	3585.1	3498.1	3424.7	3334.7	3235.7	3160.8	3096.3	3088.8
17.5°	3930.0	3891.0	3813.0	3720.1	3648.1	3574.6	3457.7	3333.2	3225.3	3144.3	3132.3
20°	4028.9	3997.5	3909.0	3840.0	3798.0	3733.6	3597.1	3456.2	3334.7	3232.7	3226.8
22.5°	4120.4	4082.9	3996.0	3955.5	3955.5	3912.0	3781.5	3615.1	3472.7	3354.2	3339.2
25°	4223.9	4183.4	4117.4	4112.9	4133.9	4114.4	3957.0	3778.5	3612.1	3478.7	3454.7
27.5°	4367.8	4322.8	4283.8	4310.8	4340.8	4319.8	4144.4	3937.5	3762.0	3627.1	3606.1
30°	4597.2	4541.7	4505.8	4538.7	4597.2	4535.7	4345.3	4126.4	3949.5	3801.0	3790.5
32.5°	4864.1	4801.1	4763.7	4816.1	4868.6	4772.7	4583.7	4373.8	4187.9	4031.9	4013.9
35°	5185.0	5105.5	5050.0	5120.5	5174.5	5080.0	4892.6	4693.2	4486.3	4324.3	4300.3
37.5°	5469.9	5373.9	5336.4	5435.4	5507.4	5445.9	5242.0	5054.5	4828.1	4651.2	4640.7
40°	5676.8	5582.3	5555.3	5718.8	5844.7	5829.7	5646.8	5432.4	5219.5	5015.6	4996.1
42.5°	5766.8	5700.8	5706.8	5927.2	6122.1	6218.1	6054.7	5825.2	5619.8	5408.4	5394.9
45°	5786.3	5745.8	5793.8	6069.6	6326.0	6522.5	6383.0	6191.1	5958.7	5754.8	5748.8
47.5°	5807.3	5784.8	5858.2	6150.6	6455.0	6682.9	6604.9	6407.0	6171.6	5972.2	5957.2
50°	5856.7	5847.7	5930.2	6207.6	6516.5	6726.4	6637.9	6441.5	6200.1	6003.7	5967.7
52.5°	5871.7	5856.7	5975.2	6296.1	6618.4	6724.9	6534.5	6278.1	6035.2	5816.2	5778.8
55°	5918.2	5891.2	5972.2	6329.0	6759.4	6811.9	6528.5	6144.6	5805.8	5507.4	5418.9
57.5°	5930.2	5900.2	5952.7	6275.1	6606.4	6560.0	5738.3	4958.6	4319.8	3988.5	4025.9
60°	5865.7	5874.7	5784.8	5748.8	5298.9	4678.2	3513.1	2808.4	2205.6	1950.7	2006.2
62.5°	4465.3	4502.8	4195.4	3648.1	2805.4	2223.6	1470.9	1142.6	967.1	922.1	929.6
65°	2253.6	2304.6	1985.2	1641.9	1220.5	986.6	853.2	826.2	817.2	806.7	806.7
67.5°	892.2	907.1	895.2	838.2	779.7	758.7	752.7	749.7	739.2	733.2	734.7
70°	716.7	728.7	710.7	674.7	650.7	649.2	646.2	640.3	632.8	632.8	637.3
72.5°	584.8	596.8	571.3	548.8	530.8	517.3	509.8	505.3	494.8	494.8	499.3
75°	430.3	437.8	416.8	413.8	394.3	380.9	368.9	362.9	349.4	343.4	347.9
77.5°	286.4	284.9	274.4	274.4	266.9	250.4	236.9	223.4	205.4	193.4	196.4
80°	185.9	185.9	181.4	181.4	173.9	160.4	143.9	130.4	120.0	111.0	111.0
82.5°	118.5	117.0	115.5	114.0	111.0	97.5	85.5	76.5	69.0	63.0	64.5
85°	66.0	66.0	63.0	63.0	57.0	49.5	43.5	37.5	33.0	31.5	31.5
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)