

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: P641712

Luminaire Tested: GWS-SA6B-740-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641712
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18664.4 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

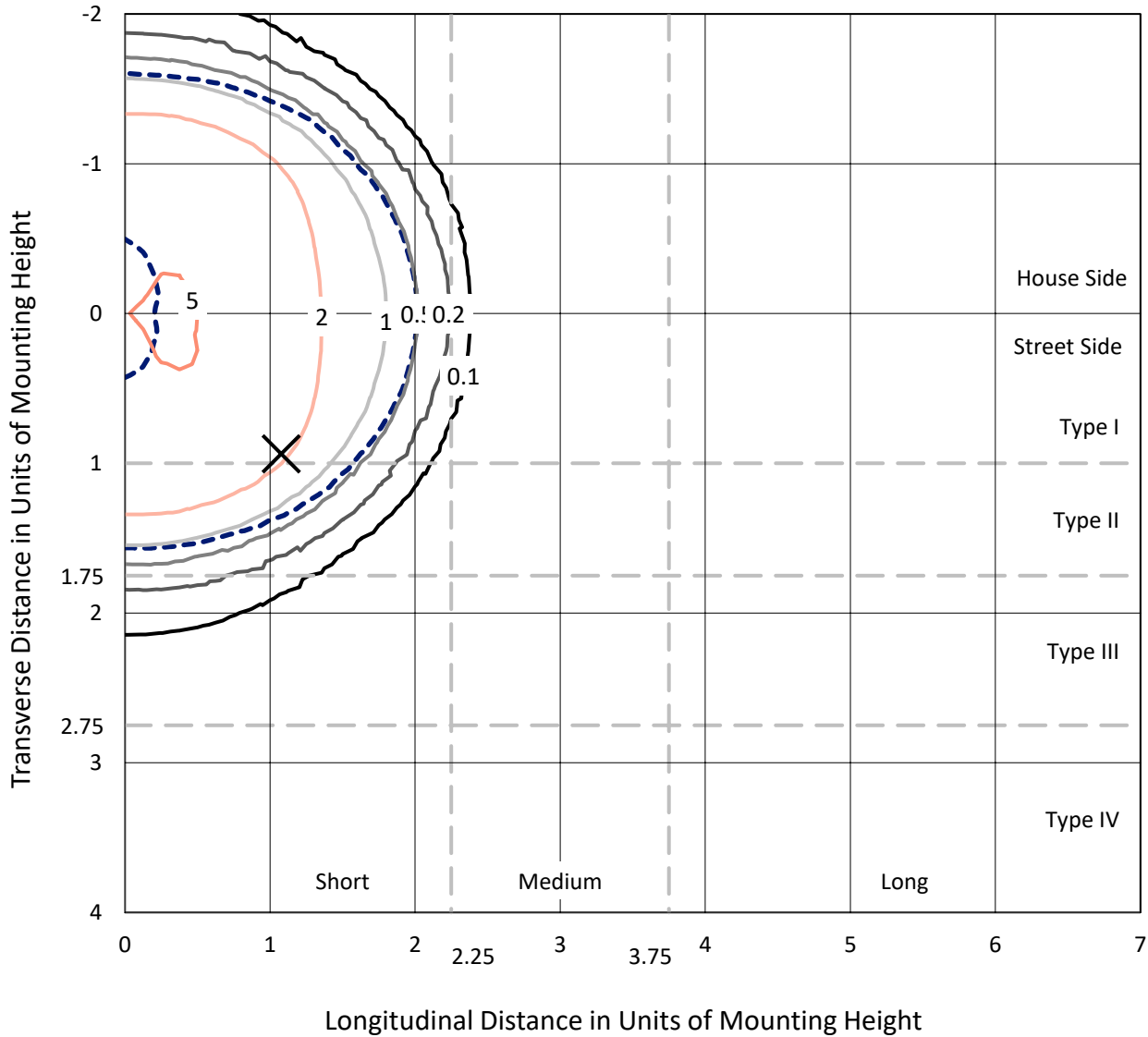
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

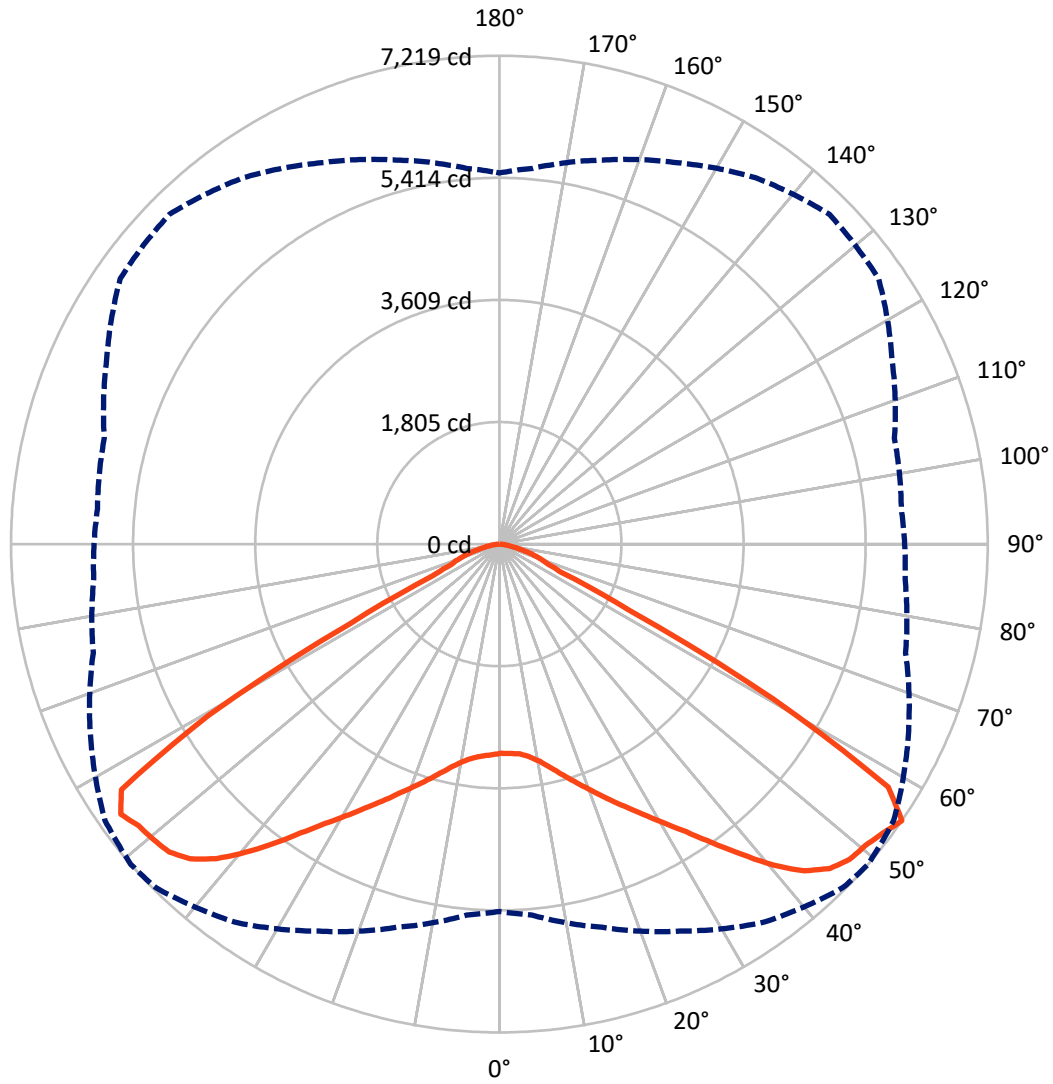
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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
House Side	Lumens	9240.6	0.0	9240.6
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	9423.7	0.0	9423.7
	% Fixture	50.5	0.0	50.5
Total	Lumens	18664.4	0.0	18664.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.6	1.6
10°-20°	994.9	5.3
20°-30°	1894.9	10.2
30°-40°	3212.3	17.2
40°-50°	4834.2	25.9
50°-60°	5291.5	28.4
60°-70°	1673.2	9.0
70°-80°	401.6	2.2
80°-90°	60.3	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°	18664.4	100.0
0°-180°	18664.4	100.0

Coefficient of Utilization



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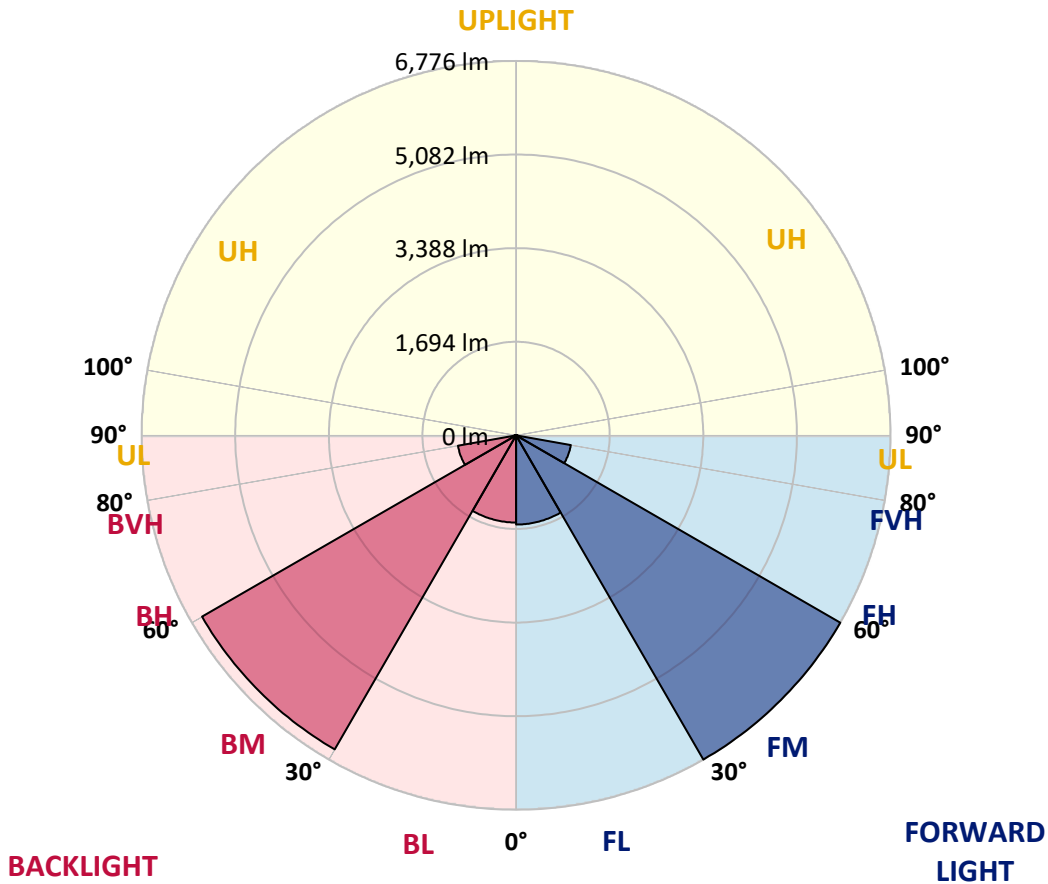
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1613.7	8.6			
FM (30°-60°)	6775.7	36.3			
FH (60°-80°)	1006.5	5.4			G1/1800
FVH (80°-90°)	27.9	0.1			G1/100
BL (0°-30°)	1577.7	8.5	B3/2500		
BM (30°-60°)	6562.3	35.2	B4/8500		
BH (60°-80°)	1068.3	5.7	B3/2500		G1/1800
BVH (80°-90°)	32.4	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°	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9
2.5°	3046.3	3049.4	3055.4	3066.1	3076.7	3091.9	3097.9	3105.5	3104.0	3113.1	3113.1
5°	3031.2	3035.7	3044.8	3060.0	3078.2	3107.0	3114.6	3132.9	3151.1	3173.8	3181.4
7.5°	3049.4	3055.4	3066.1	3090.4	3117.7	3155.6	3170.8	3201.2	3236.1	3277.0	3293.7
10°	3084.3	3091.9	3110.1	3149.5	3193.6	3251.2	3264.9	3302.9	3359.0	3415.2	3448.6
12.5°	3123.7	3135.9	3169.3	3231.5	3296.8	3372.7	3393.9	3441.0	3501.7	3574.5	3620.1
15°	3169.3	3179.9	3231.5	3319.5	3421.2	3521.4	3545.7	3591.2	3659.5	3730.9	3794.6
17.5°	3264.9	3283.1	3343.8	3445.5	3563.9	3682.3	3709.6	3761.2	3815.9	3872.0	3932.8
20°	3395.4	3410.6	3488.0	3614.0	3753.7	3861.4	3888.7	3934.3	3960.1	3988.9	4040.5
22.5°	3526.0	3547.2	3635.3	3784.0	3947.9	4064.8	4086.1	4128.6	4110.4	4101.2	4134.6
25°	3688.4	3717.2	3803.7	3966.2	4133.1	4277.3	4294.0	4330.4	4300.1	4253.0	4251.5
27.5°	3890.3	3916.1	4005.6	4172.6	4338.0	4488.3	4520.2	4568.7	4502.0	4444.3	4403.3
30°	4130.1	4146.8	4245.4	4423.0	4593.0	4735.7	4776.7	4825.3	4775.2	4679.5	4638.6
32.5°	4409.4	4432.1	4546.0	4732.7	4884.5	5027.1	5068.1	5128.8	5074.2	4966.4	4914.8
35°	4744.8	4767.6	4887.5	5090.9	5245.7	5392.9	5421.8	5471.9	5403.6	5279.1	5238.1
37.5°	5109.1	5137.9	5289.7	5482.5	5644.9	5816.4	5817.9	5833.1	5736.0	5581.2	5535.6
40°	5518.9	5556.9	5708.7	5909.0	6104.8	6244.5	6242.9	6200.4	6036.5	5796.7	5726.9
42.5°	5924.2	5954.5	6107.8	6314.3	6510.1	6642.1	6602.7	6499.5	6262.7	5936.3	5843.7
45°	6217.1	6239.9	6400.8	6633.0	6831.9	6913.8	6842.5	6718.0	6397.8	6024.4	5887.8
47.5°	6355.3	6385.6	6548.0	6778.7	7003.4	7050.4	6965.4	6848.6	6476.7	6106.3	5922.7
50°	6280.9	6320.3	6504.0	6718.0	6971.5	7068.7	7007.9	6891.1	6560.2	6186.8	5984.9
52.5°	6088.1	6126.1	6358.3	6617.8	6904.7	7097.5	7096.0	7000.3	6655.8	6209.5	5987.9
55°	5429.4	5503.7	5865.0	6312.8	6822.8	7182.5	7218.9	7117.2	6671.0	6215.6	6019.8
57.5°	3533.6	3664.1	4007.1	4590.0	5613.0	6532.8	6778.7	6803.0	6561.7	6189.8	6025.9
60°	1475.4	1580.1	1851.8	2238.8	3084.3	4178.7	4655.3	5133.4	5710.2	5919.6	5969.7
62.5°	916.8	925.9	953.2	1041.2	1323.6	1857.9	2164.5	2612.2	3469.8	4199.9	4536.9
65°	827.2	831.8	837.9	831.8	845.4	910.7	992.7	1149.0	1498.1	1860.9	2292.0
67.5°	728.6	734.6	739.2	734.6	739.2	742.2	751.3	765.0	828.7	880.4	919.8
70°	588.9	598.0	605.6	602.6	620.8	620.8	629.9	640.5	672.4	710.4	737.7
72.5°	449.3	441.7	450.8	453.8	470.5	479.6	493.3	505.4	541.9	564.6	599.6
75°	291.4	283.8	297.5	305.1	327.9	340.0	352.1	364.3	390.1	405.3	438.7
77.5°	157.9	156.3	170.0	180.6	204.9	220.1	229.2	238.3	259.6	264.1	285.4
80°	91.1	91.1	100.2	107.8	122.9	139.6	148.7	156.3	171.5	176.1	185.2
82.5°	50.1	50.1	54.6	59.2	71.3	80.4	88.0	94.1	107.8	112.3	116.9
85°	24.3	22.8	25.8	28.8	33.4	37.9	42.5	45.5	56.2	59.2	65.3
87.5°	3.0	3.0	3.0	4.6	6.1	9.1	10.6	10.6	16.7	19.7	22.8
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°	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9	3091.9
2.5°	3122.2	3102.5	3114.6	3119.2	3119.2	3114.6	3094.9	3088.8	3079.7	3066.1	3066.1
5°	3192.0	3176.9	3179.9	3172.3	3154.1	3131.3	3094.9	3076.7	3061.5	3044.8	3043.3
7.5°	3312.0	3292.2	3289.2	3260.4	3211.8	3163.2	3108.6	3075.2	3052.4	3031.2	3029.6
10°	3468.3	3450.1	3427.3	3369.6	3298.3	3227.0	3152.6	3107.0	3073.7	3043.3	3041.8
12.5°	3642.9	3621.6	3579.1	3494.1	3404.5	3334.7	3249.7	3179.9	3129.8	3088.8	3081.2
15°	3832.6	3802.2	3729.4	3629.2	3541.2	3466.8	3375.7	3275.5	3199.6	3134.4	3126.8
17.5°	3978.3	3938.8	3859.9	3765.8	3692.9	3618.6	3500.2	3374.2	3264.9	3182.9	3170.8
20°	4078.5	4046.6	3957.0	3887.2	3844.7	3779.5	3641.3	3498.7	3375.7	3272.5	3266.4
22.5°	4171.1	4133.1	4045.1	4004.1	4004.1	3960.1	3828.0	3659.5	3515.4	3395.4	3380.3
25°	4275.8	4234.8	4168.0	4163.5	4184.7	4165.0	4005.6	3825.0	3656.5	3521.4	3497.1
27.5°	4421.5	4376.0	4336.5	4363.8	4394.2	4372.9	4195.4	3985.9	3808.3	3671.7	3650.4
30°	4653.7	4597.6	4561.2	4594.5	4653.7	4591.5	4398.7	4177.1	3998.0	3847.8	3837.1
32.5°	4923.9	4860.2	4822.2	4875.4	4928.5	4831.3	4640.1	4427.6	4239.4	4081.5	4063.3
35°	5248.7	5168.3	5112.1	5183.5	5238.1	5142.5	4952.8	4750.9	4541.4	4377.5	4353.2
37.5°	5537.1	5440.0	5402.0	5502.2	5575.1	5512.9	5306.4	5116.7	4887.5	4708.4	4697.8
40°	5746.6	5651.0	5623.7	5789.1	5916.6	5901.4	5716.2	5499.2	5283.7	5077.2	5057.5
42.5°	5837.7	5770.9	5777.0	6000.1	6197.4	6294.5	6129.1	5896.9	5688.9	5474.9	5461.2
45°	5857.4	5816.4	5865.0	6144.3	6403.8	6602.7	6461.5	6267.2	6032.0	5825.5	5819.5
47.5°	5878.7	5855.9	5930.3	6226.2	6534.4	6765.1	6686.2	6485.8	6247.5	6045.6	6030.4
50°	5928.7	5919.6	6003.1	6283.9	6596.6	6809.1	6719.5	6520.7	6276.3	6077.5	6041.1
52.5°	5943.9	5928.7	6048.7	6373.5	6699.8	6807.6	6614.8	6355.3	6109.4	5887.8	5849.8
55°	5991.0	5963.7	6045.6	6406.9	6842.5	6895.6	6608.7	6220.2	5877.1	5575.1	5485.5
57.5°	6003.1	5972.8	6025.9	6352.2	6687.7	6640.6	5808.8	5019.5	4372.9	4037.5	4075.4
60°	5937.8	5947.0	5855.9	5819.5	5364.1	4735.7	3556.3	2842.9	2232.8	1974.7	2030.9
62.5°	4520.2	4558.1	4247.0	3692.9	2839.9	2251.0	1489.0	1156.6	979.0	933.5	941.1
65°	2281.3	2332.9	2009.6	1662.1	1235.5	998.7	863.7	836.3	827.2	816.6	816.6
67.5°	903.1	918.3	906.2	848.5	789.3	768.0	762.0	758.9	748.3	742.2	743.7
70°	725.5	737.7	719.5	683.0	658.7	657.2	654.2	648.1	640.5	640.5	645.1
72.5°	592.0	604.1	578.3	555.5	537.3	523.7	516.1	511.5	500.9	500.9	505.4
75°	435.6	443.2	422.0	418.9	399.2	385.5	373.4	367.3	353.7	347.6	352.1
77.5°	289.9	288.4	277.8	277.8	270.2	253.5	239.8	226.2	207.9	195.8	198.8
80°	188.2	188.2	183.7	183.7	176.1	162.4	145.7	132.1	121.4	112.3	112.3
82.5°	119.9	118.4	116.9	115.4	112.3	98.7	86.5	77.4	69.8	63.7	65.3
85°	66.8	66.8	63.7	63.7	57.7	50.1	44.0	37.9	33.4	31.9	31.9
87.5°	22.8	22.8	21.2	21.2	18.2	13.7	10.6	9.1	7.6	6.1	7.6
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)