

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: P641767

Luminaire Tested: GWS-SA6B-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641767
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19092.1 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

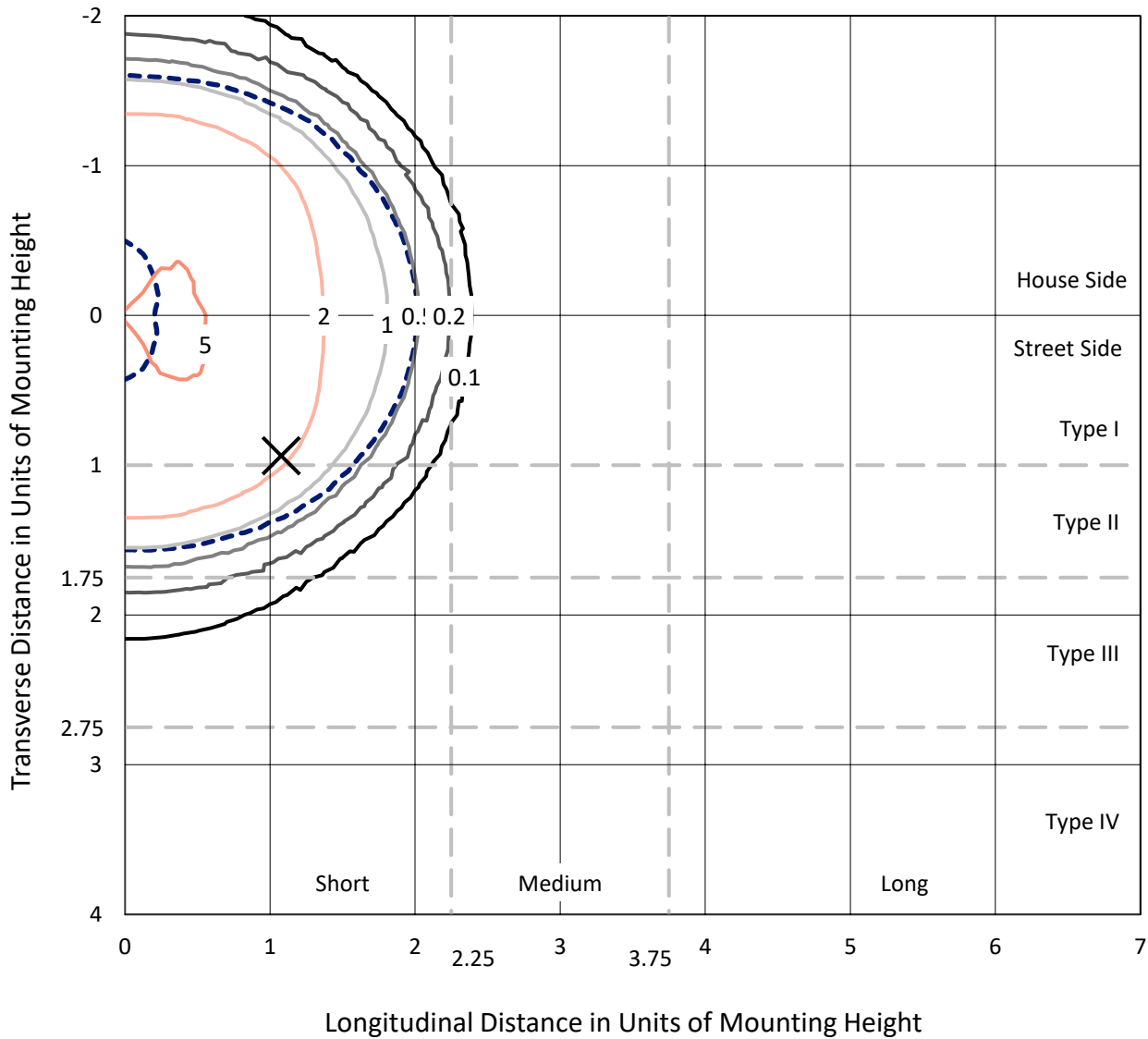
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641767
 CATALOG NUMBER: GWS-SA6B-750-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

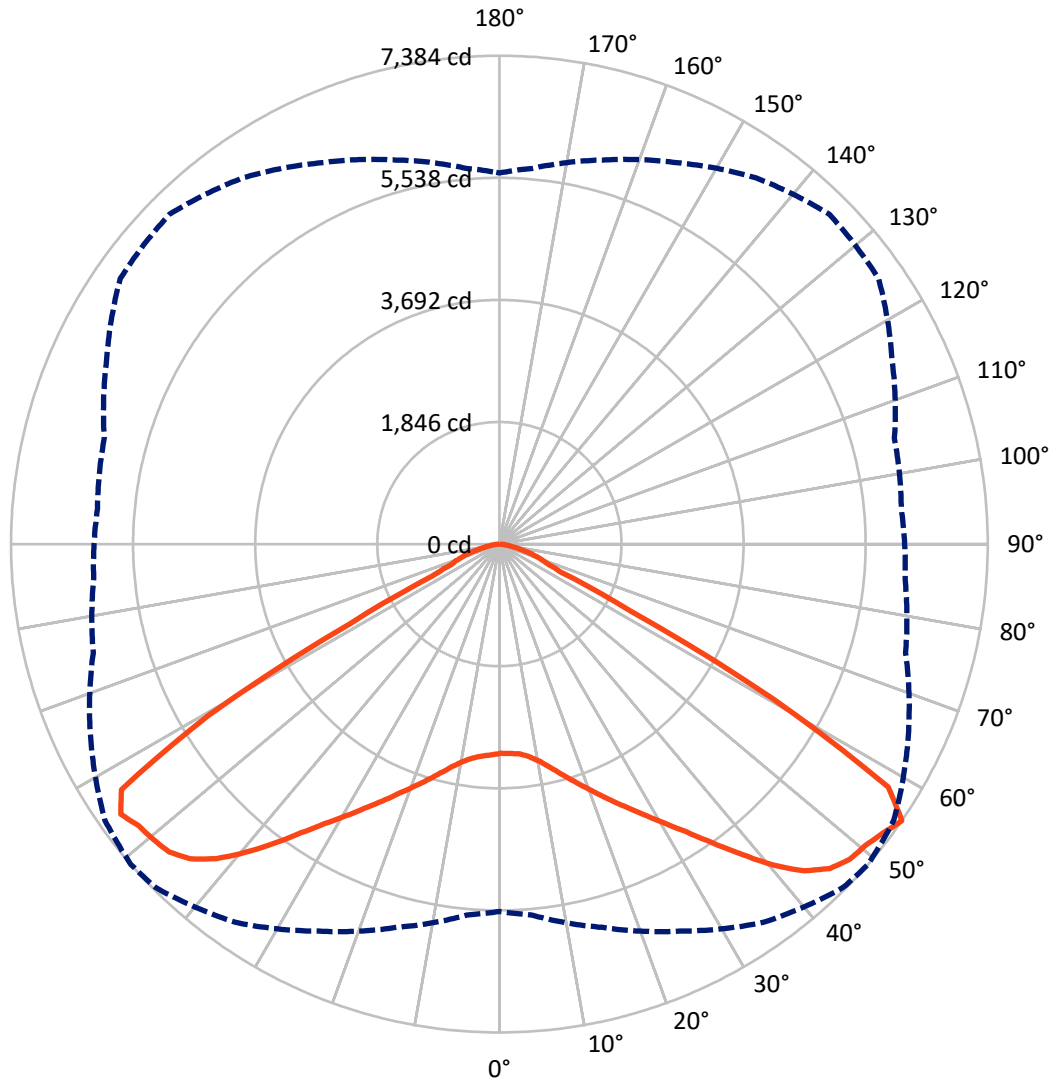
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

REPORT NUMBER: P641767
CATALOG NUMBER: GWS-SA6B-750-U-RW-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641767

CATALOG NUMBER: GWS-SA6B-750-U-RW-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9452.4	0.0	9452.4
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	9639.7	0.0	9639.7
	% Fixture	50.5	0.0	50.5
Total	Lumens	19092.1	0.0	19092.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.5	1.6
10°-20°	1017.7	5.3
20°-30°	1938.3	10.2
30°-40°	3285.9	17.2
40°-50°	4945.0	25.9
50°-60°	5412.8	28.4
60°-70°	1711.5	9.0
70°-80°	410.8	2.2
80°-90°	61.6	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°	19092.1	100.0
0°-180°	19092.1	100.0

Coefficient of Utilization



REPORT NUMBER: P641767

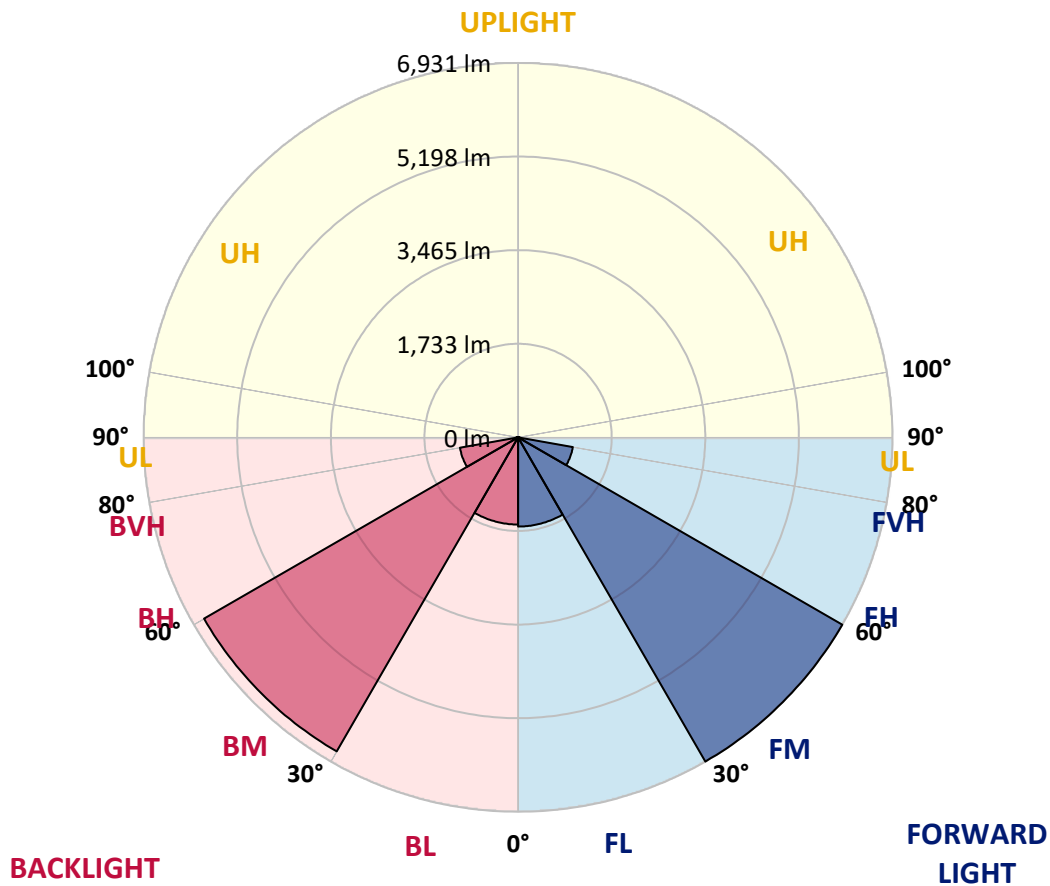
CATALOG NUMBER: GWS-SA6B-750-U-RW-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1650.7	8.6			
FM (30°-60°)	6931.0	36.3			
FH (60°-80°)	1029.5	5.4			G1/1800
FVH (80°-90°)	28.5	0.1			G1/100
BL (0°-30°)	1613.8	8.5	B3/2500		
BM (30°-60°)	6712.7	35.2	B4/8500		
BH (60°-80°)	1092.8	5.7	B3/2500		G1/1800
BVH (80°-90°)	33.1	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: P641767

CATALOG NUMBER: GWS-SA6B-750-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	3162.7	3162.7	3162.7	3162.7	3162.7	3162.7	3162.7	3162.7	3162.7	3162.7	3162.7
2.5°	3116.1	3119.2	3125.5	3136.3	3147.2	3162.7	3168.9	3176.7	3175.1	3184.5	3184.5
5°	3100.6	3105.3	3114.6	3130.1	3148.7	3178.2	3186.0	3204.6	3223.3	3246.6	3254.3
7.5°	3119.2	3125.5	3136.3	3161.2	3189.1	3227.9	3243.5	3274.5	3310.2	3352.1	3369.2
10°	3155.0	3162.7	3181.4	3221.7	3266.7	3325.7	3339.7	3378.5	3436.0	3493.4	3527.6
12.5°	3195.3	3207.7	3241.9	3305.6	3372.3	3450.0	3471.7	3519.8	3581.9	3656.5	3703.0
15°	3241.9	3252.8	3305.6	3395.6	3499.6	3602.1	3627.0	3673.5	3743.4	3816.4	3881.6
17.5°	3339.7	3358.4	3420.5	3524.5	3645.6	3766.7	3794.6	3847.4	3903.3	3960.8	4022.9
20°	3473.2	3488.8	3568.0	3696.8	3839.7	3949.9	3977.9	4024.4	4050.8	4080.3	4133.1
22.5°	3606.8	3628.5	3718.6	3870.7	4038.4	4158.0	4179.7	4223.2	4204.5	4195.2	4229.4
25°	3772.9	3802.4	3890.9	4057.0	4227.8	4375.3	4392.4	4429.7	4398.6	4350.5	4348.9
27.5°	3979.4	4005.8	4097.4	4268.2	4437.4	4591.1	4623.8	4673.4	4605.1	4546.1	4504.2
30°	4224.7	4241.8	4342.7	4524.4	4698.3	4844.2	4886.1	4935.8	4884.6	4786.8	4744.9
32.5°	4510.4	4533.7	4650.1	4841.1	4996.4	5142.3	5184.3	5246.4	5190.5	5080.2	5027.4
35°	4853.5	4876.8	4999.5	5207.5	5365.9	5516.5	5546.0	5597.3	5527.4	5400.1	5358.2
37.5°	5226.2	5255.7	5410.9	5608.1	5774.3	5949.7	5951.3	5966.8	5867.4	5709.0	5662.5
40°	5645.4	5684.2	5839.5	6044.4	6244.7	6387.5	6386.0	6342.5	6174.8	5929.5	5858.1
42.5°	6059.9	6091.0	6247.8	6459.0	6659.3	6794.3	6754.0	6648.4	6406.2	6072.4	5977.7
45°	6359.6	6382.9	6547.5	6785.0	6988.4	7072.3	6999.3	6872.0	6544.4	6162.4	6022.7
47.5°	6500.9	6531.9	6698.1	6934.1	7163.9	7212.0	7125.1	7005.5	6625.1	6246.3	6058.4
50°	6424.8	6465.2	6653.1	6872.0	7131.3	7230.6	7168.5	7049.0	6710.5	6328.5	6122.0
52.5°	6227.6	6266.4	6504.0	6769.5	7062.9	7260.1	7258.6	7160.8	6808.3	6351.8	6125.2
55°	5553.8	5629.9	5999.4	6457.4	6979.1	7347.1	7384.3	7280.3	6823.8	6358.0	6157.8
57.5°	3614.5	3748.1	4099.0	4695.2	5741.7	6682.6	6934.1	6958.9	6712.1	6331.7	6164.0
60°	1509.2	1616.3	1894.2	2290.1	3155.0	4274.4	4761.9	5251.0	5841.0	6055.3	6106.5
62.5°	937.8	947.1	975.1	1065.1	1353.9	1900.4	2214.1	2672.1	3549.3	4296.1	4640.8
65°	846.2	850.8	857.1	850.8	864.8	931.6	1015.4	1175.3	1532.5	1903.5	2344.5
67.5°	745.3	751.5	756.1	751.5	756.1	759.2	768.6	782.5	847.7	900.5	940.9
70°	602.4	611.7	619.5	616.4	635.0	635.0	644.3	655.2	687.8	726.6	754.6
72.5°	459.6	451.8	461.1	464.2	481.3	490.6	504.6	517.0	554.3	577.6	613.3
75°	298.1	290.3	304.3	312.1	335.4	347.8	360.2	372.6	399.0	414.6	448.7
77.5°	161.5	159.9	173.9	184.8	209.6	225.1	234.4	243.8	265.5	270.2	291.9
80°	93.2	93.2	102.5	110.2	125.8	142.8	152.2	159.9	175.4	180.1	189.4
82.5°	51.2	51.2	55.9	60.6	73.0	82.3	90.1	96.3	110.2	114.9	119.6
85°	24.8	23.3	26.4	29.5	34.2	38.8	43.5	46.6	57.4	60.6	66.8
87.5°	3.1	3.1	3.1	4.7	6.2	9.3	10.9	10.9	17.1	20.2	23.3
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: P641767

CATALOG NUMBER: GWS-SA6B-750-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3162.7	3162.7	3162.7	3162.7	3162.7	3162.7	3162.7	3162.7	3162.7	3162.7	3162.7
2.5°	3193.8	3173.6	3186.0	3190.7	3190.7	3186.0	3165.8	3159.6	3150.3	3136.3	3136.3
5°	3265.2	3249.7	3252.8	3245.0	3226.4	3203.1	3165.8	3147.2	3131.7	3114.6	3113.0
7.5°	3387.9	3367.7	3364.6	3335.1	3285.4	3235.7	3179.8	3145.6	3122.4	3100.6	3099.1
10°	3547.8	3529.1	3505.9	3446.9	3373.9	3300.9	3224.8	3178.2	3144.1	3113.0	3111.5
12.5°	3726.3	3704.6	3661.1	3574.2	3482.6	3411.1	3324.2	3252.8	3201.5	3159.6	3151.9
15°	3920.4	3889.4	3814.8	3712.4	3622.3	3546.2	3453.1	3350.6	3273.0	3206.2	3198.4
17.5°	4069.5	4029.1	3948.4	3852.1	3777.6	3701.5	3580.4	3451.5	3339.7	3255.9	3243.5
20°	4171.9	4139.3	4047.7	3976.3	3932.8	3866.1	3724.8	3578.8	3453.1	3347.5	3341.3
22.5°	4266.6	4227.8	4137.8	4095.9	4095.9	4050.8	3915.8	3743.4	3595.9	3473.2	3457.7
25°	4373.8	4331.9	4263.5	4258.9	4280.6	4260.4	4097.4	3912.6	3740.3	3602.1	3577.3
27.5°	4522.8	4476.3	4435.9	4463.8	4494.9	4473.1	4291.5	4077.2	3895.6	3755.8	3734.1
30°	4760.4	4702.9	4665.7	4699.8	4760.4	4696.7	4499.5	4272.9	4089.6	3935.9	3925.1
32.5°	5036.8	4971.5	4932.7	4987.1	5041.4	4942.0	4746.4	4529.0	4336.5	4175.0	4156.4
35°	5369.0	5286.7	5229.3	5302.3	5358.2	5260.3	5066.3	4859.8	4645.5	4477.8	4453.0
37.5°	5664.0	5564.7	5525.8	5628.3	5702.8	5639.2	5428.0	5233.9	4999.5	4816.3	4805.4
40°	5878.3	5780.5	5752.5	5921.8	6052.2	6036.7	5847.2	5625.2	5404.7	5193.6	5173.4
42.5°	5971.4	5903.1	5909.3	6137.6	6339.4	6438.8	6269.5	6032.0	5819.3	5600.4	5586.4
45°	5991.6	5949.7	5999.4	6285.1	6550.6	6754.0	6609.6	6410.8	6170.2	5959.0	5952.8
47.5°	6013.4	5990.1	6066.2	6368.9	6684.1	6920.1	6839.4	6634.4	6390.7	6184.2	6168.6
50°	6064.6	6055.3	6140.7	6427.9	6747.8	6965.1	6873.5	6670.1	6420.2	6216.8	6179.5
52.5°	6080.1	6064.6	6187.3	6519.5	6853.3	6963.6	6766.4	6500.9	6249.4	6022.7	5983.9
55°	6128.3	6100.3	6184.2	6553.7	6999.3	7053.6	6760.2	6362.7	6011.8	5702.8	5611.2
57.5°	6140.7	6109.6	6164.0	6497.8	6840.9	6792.8	5941.9	5134.6	4473.1	4130.0	4168.8
60°	6073.9	6083.2	5990.1	5952.8	5487.0	4844.2	3637.8	2908.1	2283.9	2020.0	2077.4
62.5°	4623.8	4662.6	4344.3	3777.6	2905.0	2302.6	1523.1	1183.1	1001.5	954.9	962.6
65°	2333.6	2386.4	2055.7	1700.1	1263.8	1021.6	883.5	855.5	846.2	835.3	835.3
67.5°	923.8	939.3	926.9	867.9	807.4	785.6	779.4	776.3	765.5	759.2	760.8
70°	742.2	754.6	736.0	698.7	673.8	672.3	669.2	663.0	655.2	655.2	659.9
72.5°	605.5	617.9	591.6	568.3	549.6	535.7	527.9	523.2	512.4	512.4	517.0
75°	445.6	453.4	431.6	428.5	408.3	394.4	381.9	375.7	361.8	355.6	360.2
77.5°	296.6	295.0	284.1	284.1	276.4	259.3	245.3	231.3	212.7	200.3	203.4
80°	192.5	192.5	187.9	187.9	180.1	166.1	149.1	135.1	124.2	114.9	114.9
82.5°	122.7	121.1	119.6	118.0	114.9	100.9	88.5	79.2	71.4	65.2	66.8
85°	68.3	68.3	65.2	65.2	59.0	51.2	45.0	38.8	34.2	32.6	32.6
87.5°	23.3	23.3	21.7	21.7	18.6	14.0	10.9	9.3	7.8	6.2	7.8
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)