

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: P641822

Luminaire Tested: GWS-SA6B-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641822  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

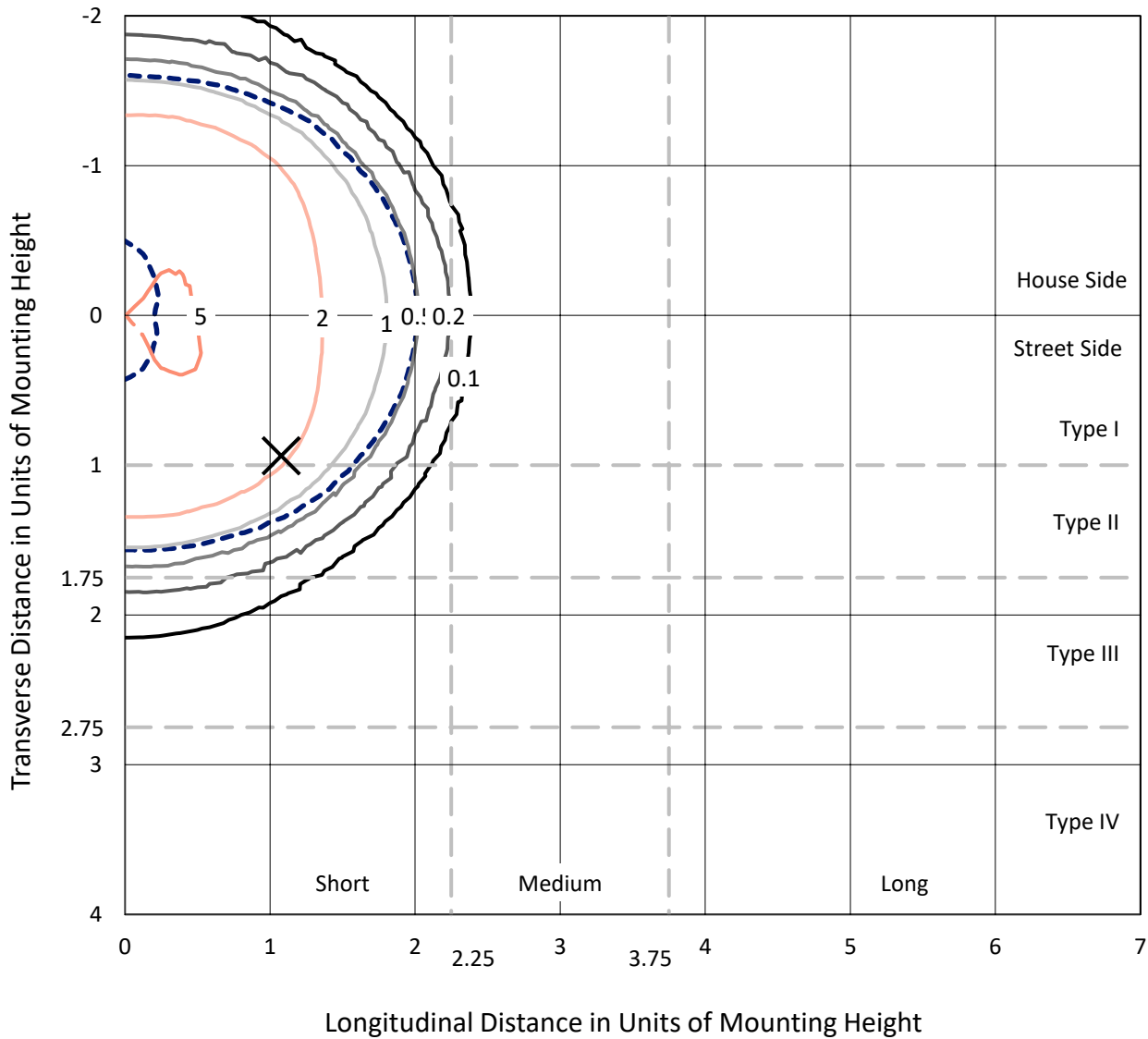
Lumens per Lamp: N/A  
Luminaire Lumens: 18830.4 lumens  
Efficiency: N/A  
Efficacy: 135.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P641822  
 CATALOG NUMBER: GWS-SA6B-760-U-RW-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

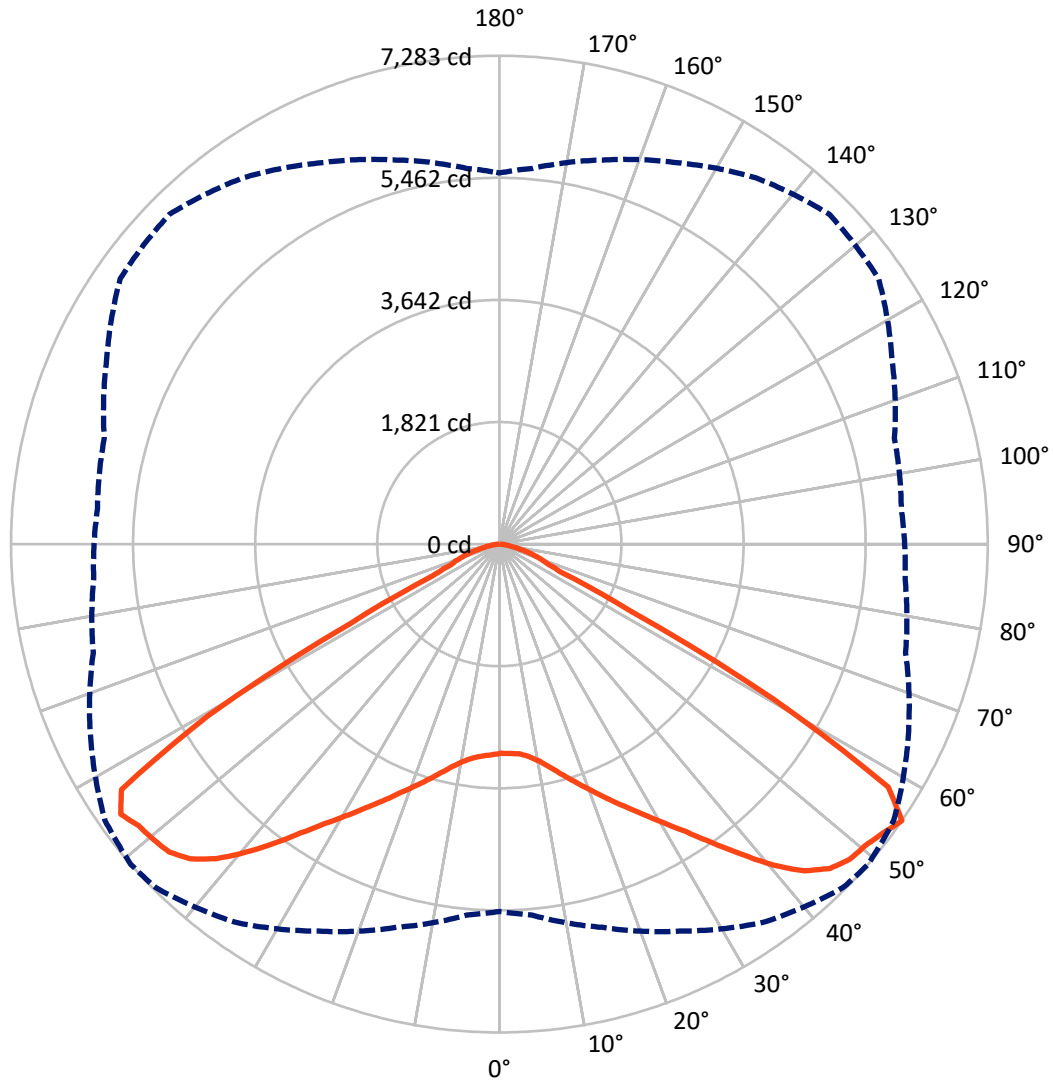
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P641822  
CATALOG NUMBER: GWS-SA6B-760-U-RW-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P641822

CATALOG NUMBER: GWS-SA6B-760-U-RW-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9322.8	0.0	9322.8
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	9507.6	0.0	9507.6
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	18830.4	0.0	18830.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	304.3	1.6
10°-20°	1003.7	5.3
20°-30°	1911.8	10.2
30°-40°	3240.8	17.2
40°-50°	4877.2	25.9
50°-60°	5338.6	28.4
60°-70°	1688.1	9.0
70°-80°	405.1	2.2
80°-90°	60.8	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°	18830.4	100.0
0°-180°	18830.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P641822

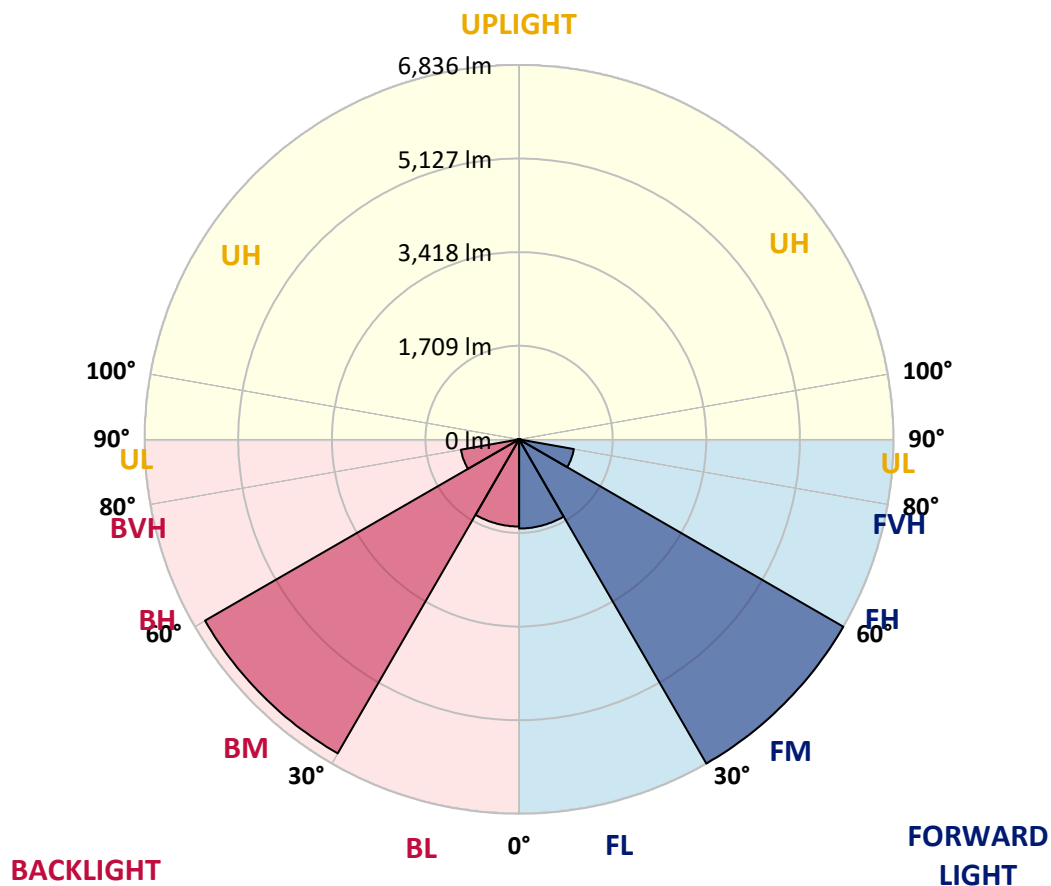
CATALOG NUMBER: GWS-SA6B-760-U-RW-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1628.1	8.6			
FM (30°-60°)	6836.0	36.3			
FH (60°-80°)	1015.4	5.4			G1/1800
FVH (80°-90°)	28.1	0.1			G1/100
BL (0°-30°)	1591.7	8.5	B3/2500		
BM (30°-60°)	6620.7	35.2	B4/8500		
BH (60°-80°)	1077.8	5.7	B3/2500		G1/1800
BVH (80°-90°)	32.7	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: P641822

CATALOG NUMBER: GWS-SA6B-760-U-RW-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3073.4	3076.5	3082.6	3093.3	3104.1	3119.4	3125.5	3133.2	3131.6	3140.8	3140.8
5°	3058.1	3062.7	3071.9	3087.2	3105.6	3134.7	3142.3	3160.7	3179.1	3202.1	3209.7
7.5°	3076.5	3082.6	3093.3	3117.8	3145.4	3183.7	3199.0	3229.6	3264.8	3306.2	3323.0
10°	3111.7	3119.4	3137.7	3177.6	3222.0	3280.2	3293.9	3332.2	3388.9	3445.5	3479.2
12.5°	3151.5	3163.8	3197.5	3260.3	3326.1	3402.7	3424.1	3471.6	3532.8	3606.3	3652.3
15°	3197.5	3208.2	3260.3	3349.1	3451.7	3552.7	3577.2	3623.2	3692.1	3764.1	3828.4
17.5°	3293.9	3312.3	3373.6	3476.2	3595.6	3715.1	3742.6	3794.7	3849.8	3906.5	3967.7
20°	3425.6	3441.0	3519.1	3646.2	3787.0	3895.8	3923.3	3969.3	3995.3	4024.4	4076.5
22.5°	3557.3	3578.8	3667.6	3817.7	3983.1	4101.0	4122.4	4165.3	4146.9	4137.7	4171.4
25°	3721.2	3750.3	3837.6	4001.4	4169.9	4315.4	4332.2	4369.0	4338.3	4290.9	4289.3
27.5°	3924.9	3950.9	4041.2	4209.7	4376.6	4528.2	4560.4	4609.4	4542.0	4483.8	4442.5
30°	4166.8	4183.7	4283.2	4462.4	4633.9	4777.8	4819.2	4868.2	4817.6	4721.2	4679.8
32.5°	4448.6	4471.6	4586.4	4774.8	4927.9	5071.8	5113.2	5174.4	5119.3	5010.6	4958.5
35°	4787.0	4810.0	4931.0	5136.2	5292.4	5440.9	5470.0	5520.5	5451.6	5326.1	5284.7
37.5°	5154.5	5183.6	5336.8	5531.3	5695.1	5868.2	5869.7	5885.0	5787.0	5630.8	5584.9
40°	5568.0	5606.3	5759.4	5961.6	6159.1	6300.0	6298.5	6255.6	6090.2	5848.2	5777.8
42.5°	5976.9	6007.5	6162.2	6370.4	6568.0	6701.2	6661.4	6557.3	6318.4	5989.1	5895.7
45°	6272.4	6295.4	6457.7	6692.0	6892.6	6975.3	6903.3	6777.8	6454.7	6077.9	5940.1
47.5°	6411.8	6442.4	6606.3	6839.0	7065.7	7113.1	7027.4	6909.5	6534.3	6160.6	5975.3
50°	6336.7	6376.6	6561.9	6777.8	7033.5	7131.5	7070.3	6952.4	6618.5	6241.8	6038.1
52.5°	6142.3	6180.5	6414.8	6676.7	6966.1	7160.6	7159.1	7062.6	6715.0	6264.8	6041.2
55°	5477.7	5552.7	5917.2	6368.9	6883.4	7246.4	7283.1	7180.5	6730.3	6270.9	6073.4
57.5°	3565.0	3696.7	4042.8	4630.8	5663.0	6591.0	6839.0	6863.5	6620.0	6244.9	6079.5
60°	1488.5	1594.1	1868.3	2258.7	3111.7	4215.8	4696.7	5179.0	5761.0	5972.3	6022.8
62.5°	924.9	934.1	961.7	1050.5	1335.3	1874.4	2183.7	2635.5	3500.7	4237.3	4577.2
65°	834.6	839.2	845.3	839.2	853.0	918.8	1001.5	1159.2	1511.4	1877.4	2312.3
67.5°	735.1	741.2	745.8	741.2	745.8	748.8	758.0	771.8	836.1	888.2	928.0
70°	594.2	603.4	611.0	607.9	626.3	626.3	635.5	646.2	678.4	716.7	744.2
72.5°	453.3	445.6	454.8	457.9	474.7	483.9	497.7	509.9	546.7	569.7	604.9
75°	294.0	286.4	300.1	307.8	330.8	343.0	355.3	367.5	393.6	408.9	442.6
77.5°	159.3	157.7	171.5	182.2	206.7	222.0	231.2	240.4	261.9	266.5	287.9
80°	91.9	91.9	101.1	108.7	124.0	140.9	150.1	157.7	173.0	177.6	186.8
82.5°	50.5	50.5	55.1	59.7	72.0	81.2	88.8	94.9	108.7	113.3	117.9
85°	24.5	23.0	26.0	29.1	33.7	38.3	42.9	45.9	56.7	59.7	65.8
87.5°	3.1	3.1	3.1	4.6	6.1	9.2	10.7	10.7	16.8	19.9	23.0
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: P641822

CATALOG NUMBER: GWS-SA6B-760-U-RW-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3150.0	3130.1	3142.3	3146.9	3146.9	3142.3	3122.4	3116.3	3107.1	3093.3	3093.3
5°	3220.4	3205.1	3208.2	3200.5	3182.2	3159.2	3122.4	3104.1	3088.7	3071.9	3070.4
7.5°	3341.4	3321.5	3318.4	3289.4	3240.3	3191.3	3136.2	3102.5	3079.6	3058.1	3056.6
10°	3499.1	3480.8	3457.8	3399.6	3327.6	3255.7	3180.6	3134.7	3101.0	3070.4	3068.8
12.5°	3675.3	3653.8	3610.9	3525.2	3434.8	3364.4	3278.6	3208.2	3157.7	3116.3	3108.7
15°	3866.7	3836.0	3762.5	3661.5	3572.7	3497.6	3405.7	3304.7	3228.1	3162.2	3154.6
17.5°	4013.7	3973.9	3894.2	3799.3	3725.8	3650.8	3531.3	3404.2	3293.9	3211.3	3199.0
20°	4114.8	4082.6	3992.2	3921.8	3878.9	3813.1	3673.7	3529.8	3405.7	3301.6	3295.5
22.5°	4208.2	4169.9	4081.1	4039.7	4039.7	3995.3	3862.1	3692.1	3546.6	3425.6	3410.3
25°	4313.8	4272.5	4205.1	4200.5	4221.9	4202.0	4041.2	3859.0	3689.0	3552.7	3528.2
27.5°	4460.8	4414.9	4375.1	4402.6	4433.3	4411.8	4232.7	4021.3	3842.2	3704.3	3682.9
30°	4695.1	4638.5	4601.7	4635.4	4695.1	4632.3	4437.9	4214.3	4033.6	3882.0	3871.3
32.5°	4967.7	4903.4	4865.1	4918.7	4972.3	4874.3	4681.4	4467.0	4277.1	4117.8	4099.4
35°	5295.4	5214.3	5157.6	5229.6	5284.7	5188.2	4996.8	4793.1	4581.8	4416.4	4391.9
37.5°	5586.4	5488.4	5450.1	5551.2	5624.7	5561.9	5353.6	5162.2	4931.0	4750.3	4739.5
40°	5797.7	5701.2	5673.7	5840.6	5969.2	5953.9	5767.1	5548.1	5330.6	5122.4	5102.5
42.5°	5889.6	5822.2	5828.3	6053.4	6252.5	6350.5	6183.6	5949.3	5739.5	5523.6	5509.8
45°	5909.5	5868.2	5917.2	6198.9	6460.8	6661.4	6519.0	6323.0	6085.6	5877.3	5871.2
47.5°	5930.9	5908.0	5983.0	6281.6	6592.5	6825.2	6745.6	6543.5	6303.1	6099.4	6084.1
50°	5981.5	5972.3	6056.5	6339.8	6655.3	6869.7	6779.3	6578.7	6332.2	6131.5	6094.8
52.5°	5996.8	5981.5	6102.4	6430.2	6759.4	6868.1	6673.6	6411.8	6163.7	5940.1	5901.8
55°	6044.3	6016.7	6099.4	6463.8	6903.3	6956.9	6667.5	6275.5	5929.4	5624.7	5534.3
57.5°	6056.5	6025.9	6079.5	6408.7	6747.1	6699.7	5860.5	5064.2	4411.8	4073.4	4111.7
60°	5990.7	5999.8	5908.0	5871.2	5411.8	4777.8	3588.0	2868.2	2252.6	1992.3	2049.0
62.5°	4560.4	4598.7	4284.7	3725.8	2865.2	2271.0	1502.3	1166.9	987.7	941.8	949.4
65°	2301.6	2353.7	2027.5	1676.8	1246.5	1007.6	871.3	843.8	834.6	823.9	823.9
67.5°	911.2	926.5	914.2	856.0	796.3	774.9	768.7	765.7	755.0	748.8	750.4
70°	732.0	744.2	725.9	689.1	664.6	663.1	660.0	653.9	646.2	646.2	650.8
72.5°	597.2	609.5	583.4	560.5	542.1	528.3	520.7	516.1	505.3	505.3	509.9
75°	439.5	447.2	425.7	422.7	402.7	389.0	376.7	370.6	356.8	350.7	355.3
77.5°	292.5	291.0	280.2	280.2	272.6	255.7	242.0	228.2	209.8	197.5	200.6
80°	189.9	189.9	185.3	185.3	177.6	163.9	147.0	133.2	122.5	113.3	113.3
82.5°	121.0	119.4	117.9	116.4	113.3	99.5	87.3	78.1	70.4	64.3	65.8
85°	67.4	67.4	64.3	64.3	58.2	50.5	44.4	38.3	33.7	32.2	32.2
87.5°	23.0	23.0	21.4	21.4	18.4	13.8	10.7	9.2	7.7	6.1	7.7
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)