

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: P640503

Luminaire Tested: GWS-SA5E-722-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-722-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28466 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

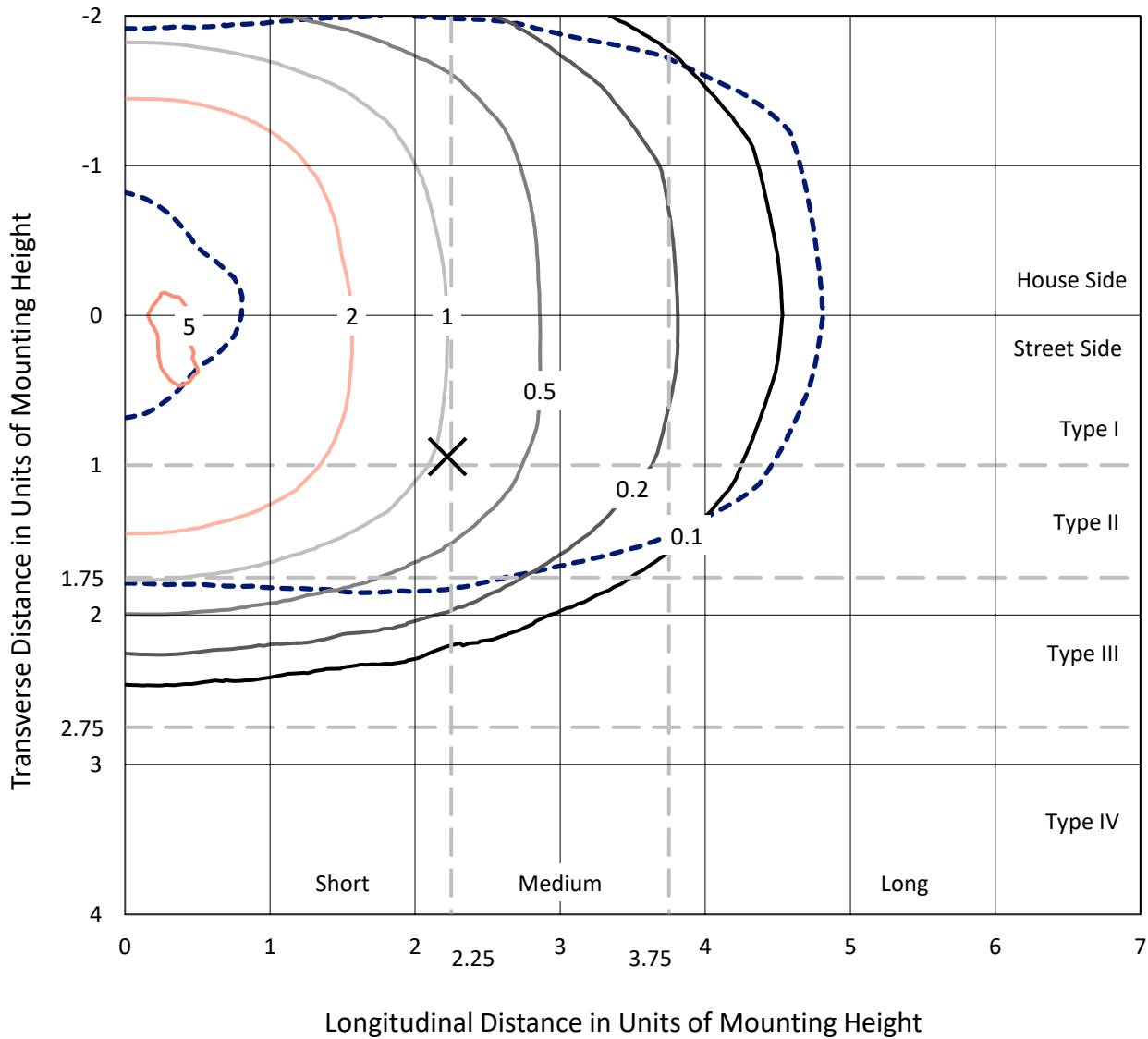
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640503
 CATALOG NUMBER: GWS-SA5E-722-U-RW-W

Iso-Footcandle Lines of Horizontal Illumination

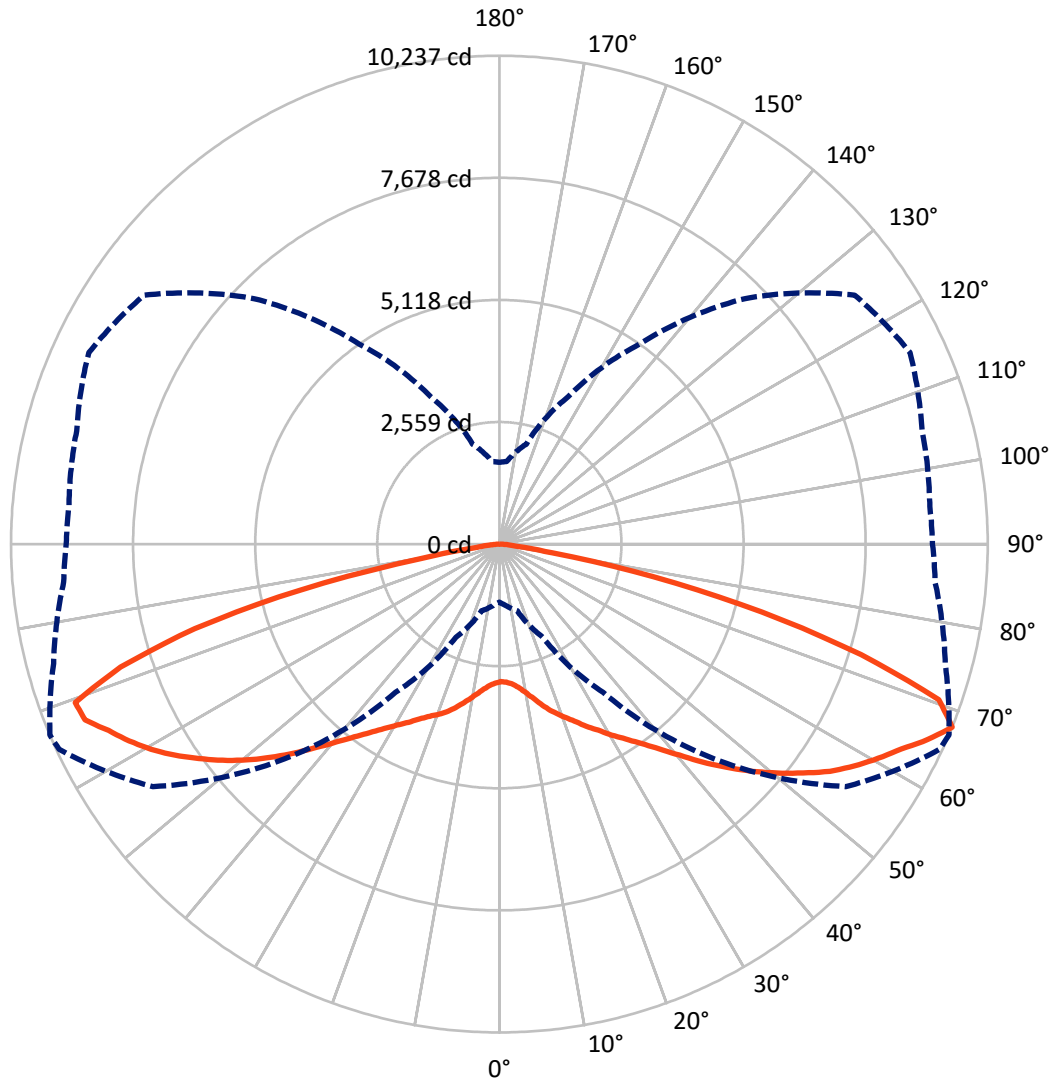
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Short - N/A

REPORT NUMBER: P640503
CATALOG NUMBER: GWS-SA5E-722-U-RW-W

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P640503

CATALOG NUMBER: GWS-SA5E-722-U-RW-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14075.9	0.0	14075.9
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	14390.1	0.0	14390.1
	% Fixture	50.6	0.0	50.6
Total	Lumens	28466.0	0.0	28466.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.8	1.0
10°-20°	955.4	3.4
20°-30°	1874.4	6.6
30°-40°	3193.5	11.2
40°-50°	5128.0	18.0
50°-60°	6968.0	24.5
60°-70°	6665.3	23.4
70°-80°	3168.9	11.1
80°-90°	229.6	0.8
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°	28466.0	100.0
0°-180°	28466.0	100.0

Coefficient of Utilization



REPORT NUMBER: P640503

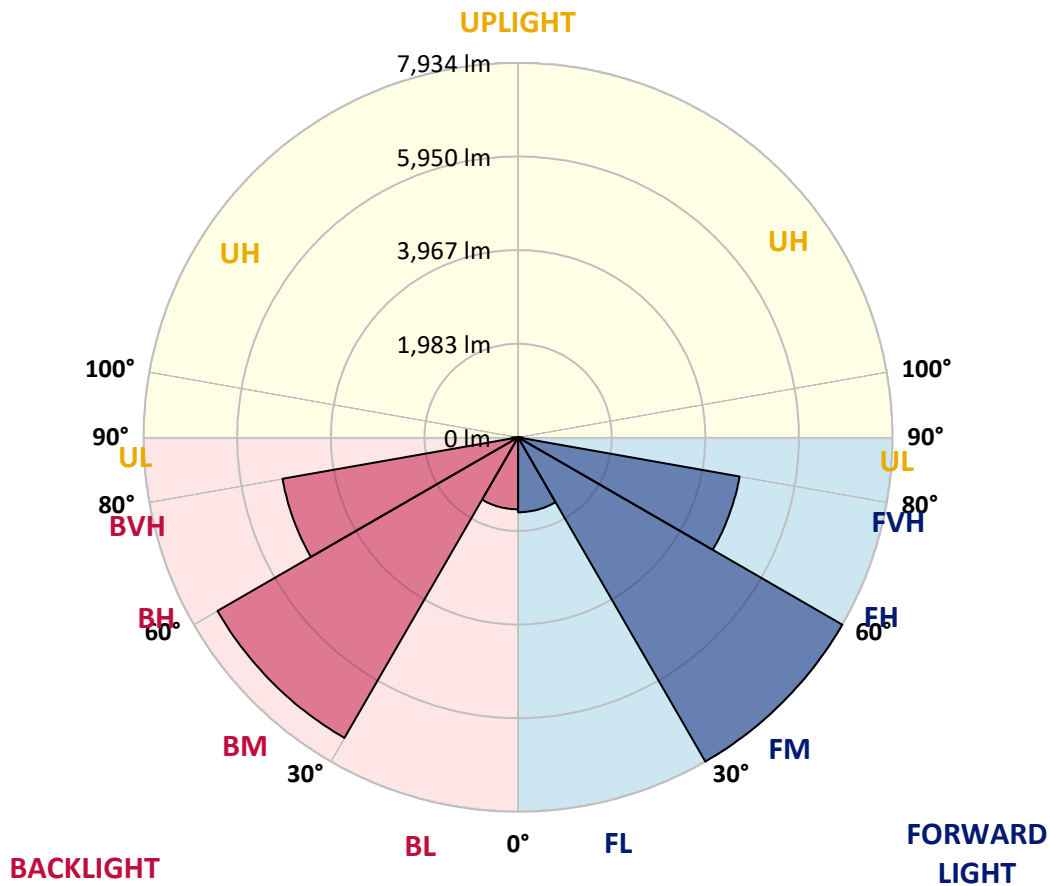
CATALOG NUMBER: GWS-SA5E-722-U-RW-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1587.2	5.6			
FM (30°-60°)	7933.7	27.9			
FH (60°-80°)	4765.9	16.7			G2/5000
FVH (80°-90°)	103.2	0.4			G2/225
BL (0°-30°)	1525.4	5.4	B3/2500		
BM (30°-60°)	7355.7	25.8	B4/8500		
BH (60°-80°)	5068.3	17.8	B5		G5
BVH (80°-90°)	126.4	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





REPORT NUMBER: P640503
 CATALOG NUMBER: GWS-SA5E-722-U-RW-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2882.3	2882.3	2882.3	2882.3	2882.3	2882.3	2882.3	2882.3	2882.3	2882.3	2882.3
2.5°	2822.9	2826.8	2832.8	2844.7	2856.6	2874.4	2892.3	2890.3	2898.2	2904.1	2910.1
5°	2807.0	2811.0	2820.9	2836.7	2854.6	2884.3	2922.0	2937.8	2949.7	2971.5	2991.4
7.5°	2840.7	2848.6	2862.5	2884.3	2912.1	2949.7	3001.3	3029.0	3046.9	3086.5	3120.2
10°	2886.3	2896.2	2924.0	2965.6	3007.2	3064.7	3130.1	3171.8	3183.7	3235.2	3298.6
12.5°	2929.9	2941.8	2987.4	3062.7	3138.1	3215.4	3292.7	3344.2	3348.2	3417.6	3488.9
15°	2999.3	3009.2	3070.7	3167.8	3282.8	3389.8	3485.0	3520.7	3536.5	3586.1	3675.3
17.5°	3151.9	3163.8	3243.1	3348.2	3469.1	3582.1	3677.3	3707.0	3707.0	3748.6	3822.0
20°	3316.5	3328.4	3433.4	3568.2	3714.9	3829.9	3903.3	3875.5	3865.6	3877.5	3929.0
22.5°	3500.8	3522.6	3623.7	3780.3	3960.7	4101.5	4139.2	4055.9	4028.1	4000.4	4012.3
25°	3736.7	3762.5	3861.6	4028.1	4204.6	4353.2	4375.1	4246.2	4230.3	4133.2	4097.5
27.5°	4008.3	4028.1	4151.0	4315.6	4480.1	4605.0	4628.8	4470.2	4416.7	4281.9	4198.6
30°	4359.2	4377.0	4484.1	4646.6	4789.4	4876.6	4906.3	4688.3	4646.6	4440.5	4311.6
32.5°	4741.8	4749.7	4858.7	5015.4	5142.2	5225.5	5183.9	4930.1	4868.7	4636.7	4460.3
35°	5179.9	5179.9	5320.6	5447.5	5548.6	5572.4	5493.1	5203.7	5132.3	4880.6	4660.5
37.5°	5610.1	5622.0	5752.8	5903.4	5992.7	5988.7	5844.0	5526.8	5445.5	5172.0	4928.1
40°	6075.9	6101.7	6232.5	6401.0	6486.3	6474.4	6252.3	5899.5	5816.2	5493.1	5255.2
42.5°	6504.1	6545.7	6698.4	6870.8	6964.0	6956.1	6724.1	6327.7	6246.4	5881.6	5643.8
45°	6845.1	6888.7	7079.0	7318.8	7467.5	7453.6	7219.7	6771.7	6672.6	6290.0	6028.3
47.5°	7144.4	7190.0	7402.1	7655.8	7891.7	7915.5	7701.4	7219.7	7114.7	6728.1	6432.7
50°	7374.4	7396.2	7634.0	7911.6	8185.1	8318.0	8131.6	7669.7	7542.9	7160.3	6827.2
52.5°	7356.5	7386.2	7679.6	8056.3	8423.0	8641.1	8512.2	8093.9	7971.0	7554.7	7229.6
55°	6993.7	7023.5	7372.4	7921.5	8555.8	8877.0	8863.1	8498.3	8409.1	7957.2	7647.9
57.5°	6464.5	6529.9	6876.8	7469.5	8381.4	9065.3	9120.8	8867.1	8773.9	8351.7	8062.2
60°	5516.9	5604.1	6004.5	6773.7	7822.4	9001.9	9396.4	9178.3	9120.8	8718.4	8436.9
62.5°	4008.3	4071.8	4605.0	5614.0	6993.7	8549.9	9628.3	9499.4	9455.8	9047.5	8775.9
65°	2400.6	2545.3	2973.5	3970.7	5641.8	7697.5	9501.4	9919.7	9874.1	9386.4	9065.3
67.5°	1215.2	1280.6	1449.1	2152.8	3794.2	6369.3	8865.1	10181.4	10236.9	9675.9	9168.4
70°	753.3	771.1	818.7	1062.5	1895.1	4184.7	7249.5	9499.4	9771.0	9630.3	8900.8
72.5°	604.6	608.6	616.5	662.1	909.9	1956.6	4583.2	7439.8	7929.4	8993.9	8518.2
75°	501.5	503.5	505.5	519.4	567.0	798.9	2230.1	5112.5	5685.4	7644.0	7897.7
77.5°	402.4	392.5	400.4	406.4	418.3	446.0	769.2	2727.7	3308.5	5017.3	6107.6
80°	261.7	257.7	273.6	279.5	291.4	309.2	410.3	925.8	1124.0	1825.7	1942.7
82.5°	140.7	132.8	166.5	160.6	166.5	180.4	241.8	339.0	380.6	551.1	465.9
85°	43.6	43.6	45.6	53.5	65.4	63.4	105.1	166.5	184.4	235.9	174.4
87.5°	7.9	7.9	7.9	7.9	7.9	9.9	21.8	33.7	45.6	81.3	61.5
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: P640503
 CATALOG NUMBER: GWS-SA5E-722-U-RW-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2882.3	2882.3	2882.3	2882.3	2882.3	2882.3	2882.3	2882.3	2882.3	2882.3	2882.3
2.5°	2922.0	2904.1	2914.1	2920.0	2918.0	2914.1	2894.2	2890.3	2880.4	2864.5	2860.5
5°	3009.2	2989.4	2991.4	2985.4	2965.6	2939.8	2896.2	2874.4	2856.6	2836.7	2834.8
7.5°	3146.0	3124.2	3118.2	3090.5	3035.0	2975.5	2906.1	2866.5	2836.7	2811.0	2807.0
10°	3320.4	3298.6	3278.8	3213.4	3122.2	3042.9	2951.7	2894.2	2850.6	2818.9	2813.0
12.5°	3514.7	3496.9	3447.3	3352.2	3243.1	3150.0	3056.8	2985.4	2922.0	2874.4	2868.5
15°	3730.8	3691.1	3615.8	3492.9	3389.8	3314.5	3201.5	3104.4	3003.3	2939.8	2926.0
17.5°	3881.4	3847.7	3758.5	3639.6	3558.3	3492.9	3360.1	3221.3	3084.5	2991.4	2971.5
20°	3988.5	3952.8	3851.7	3764.5	3738.7	3683.2	3528.6	3368.0	3209.4	3094.5	3068.7
22.5°	4065.8	4028.1	3925.1	3881.4	3917.1	3907.2	3756.6	3574.2	3385.9	3249.1	3217.4
25°	4139.2	4103.5	4012.3	4028.1	4123.3	4153.0	3990.5	3778.4	3564.3	3403.7	3366.0
27.5°	4208.5	4162.9	4121.3	4208.5	4343.3	4398.8	4226.4	3986.5	3754.6	3590.0	3560.3
30°	4315.6	4262.1	4256.1	4383.0	4597.1	4644.7	4454.3	4214.5	3984.5	3818.0	3780.3
32.5°	4450.4	4400.8	4404.8	4595.1	4842.9	4882.5	4720.0	4496.0	4266.0	4099.5	4048.0
35°	4632.8	4571.3	4605.0	4838.9	5088.7	5162.0	5031.2	4844.9	4620.9	4450.4	4392.9
37.5°	4884.5	4795.3	4864.7	5110.5	5362.3	5471.3	5370.2	5231.4	5009.4	4836.9	4783.4
40°	5205.7	5132.3	5160.1	5431.6	5691.3	5822.2	5758.7	5622.0	5401.9	5221.5	5160.1
42.5°	5586.3	5512.9	5503.0	5792.4	6052.1	6250.4	6188.9	6064.0	5836.0	5629.9	5570.4
45°	5959.0	5891.6	5905.4	6200.8	6492.2	6708.3	6646.8	6500.1	6252.3	6014.5	5966.9
47.5°	6347.5	6292.0	6303.9	6617.1	6938.2	7154.3	7077.0	6898.6	6609.2	6355.4	6297.9
50°	6745.9	6682.5	6700.4	7029.4	7376.3	7580.5	7461.6	7197.9	6878.8	6631.0	6581.4
52.5°	7142.4	7067.1	7112.7	7423.9	7782.7	7945.3	7725.2	7406.1	7096.8	6851.0	6795.5
55°	7598.4	7519.1	7469.5	7802.5	8157.4	8224.8	7923.5	7550.8	7184.0	6904.5	6870.8
57.5°	8014.7	7947.3	7854.1	8187.1	8448.8	8399.2	8076.1	7511.1	6971.9	6613.1	6565.6
60°	8387.3	8329.8	8248.6	8532.0	8651.0	8540.0	7953.2	7041.3	6448.6	6073.9	6052.1
62.5°	8730.3	8668.8	8593.5	8835.3	8819.5	8561.8	7394.2	6319.7	5526.8	5124.4	5088.7
65°	9001.9	8946.4	8924.6	9114.9	9089.1	8135.6	6523.9	5138.3	4038.1	3584.1	3570.2
67.5°	9079.2	9057.4	9174.3	9497.5	9095.0	7279.2	5116.5	3407.7	2168.7	1738.5	1712.8
70°	8789.8	8787.8	9122.8	9584.7	8270.4	5560.5	3019.1	1536.3	1090.3	967.4	951.5
72.5°	8413.1	8407.2	8672.8	8268.4	6133.4	3042.9	1270.7	822.7	681.9	648.2	648.2
75°	7794.6	7778.8	7979.0	6290.0	3449.3	1145.8	674.0	565.0	535.2	529.3	529.3
77.5°	6353.4	6220.6	5905.4	3887.4	1203.3	563.0	446.0	444.0	426.2	424.2	424.2
80°	2089.4	2089.4	2428.4	1482.8	531.3	346.9	315.2	331.1	313.2	301.3	299.3
82.5°	341.0	469.8	668.1	424.2	287.4	216.1	194.3	206.2	216.1	172.5	172.5
85°	134.8	176.4	257.7	198.2	132.8	87.2	93.2	103.1	91.2	79.3	77.3
87.5°	51.5	63.4	91.2	47.6	27.8	15.9	9.9	9.9	7.9	7.9	7.9
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)