

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: P643501

Luminaire Tested: GWS-SA6F-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-722-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22638.3 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

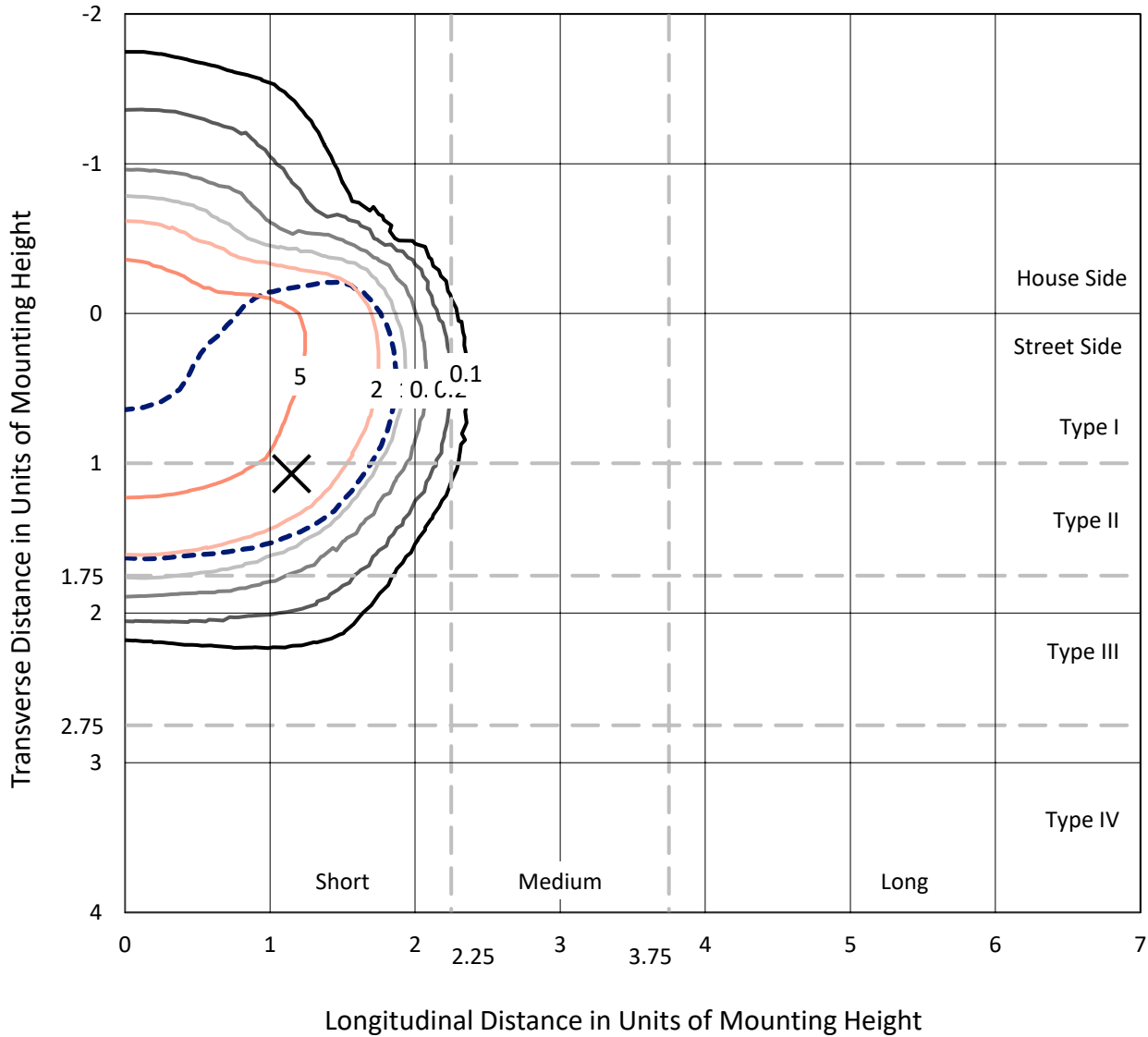
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643501
 CATALOG NUMBER: GWS-SA6F-722-U-T3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

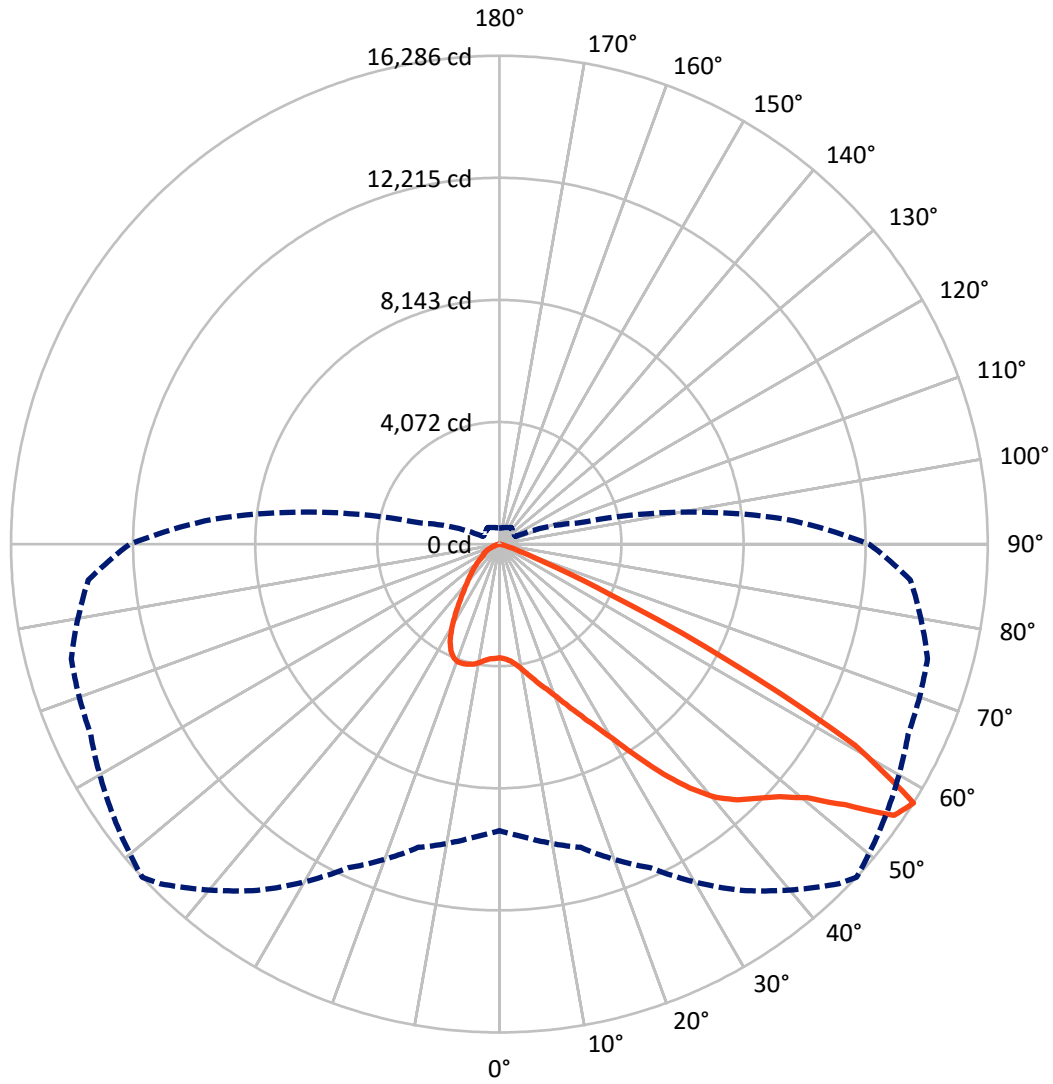
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - N/A

REPORT NUMBER: P643501
CATALOG NUMBER: GWS-SA6F-722-U-T3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P643501

CATALOG NUMBER: GWS-SA6F-722-U-T3-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4911.4	0.0	4911.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	17726.9	0.0	17726.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	22638.3	0.0	22638.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.0	1.7
10°-20°	1272.2	5.6
20°-30°	2362.1	10.4
30°-40°	3781.4	16.7
40°-50°	5527.5	24.4
50°-60°	6821.9	30.1
60°-70°	2279.5	10.1
70°-80°	212.4	0.9
80°-90°	4.4	0.0
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°	22638.3	100.0
0°-180°	22638.3	100.0

Coefficient of Utilization



REPORT NUMBER: P643501

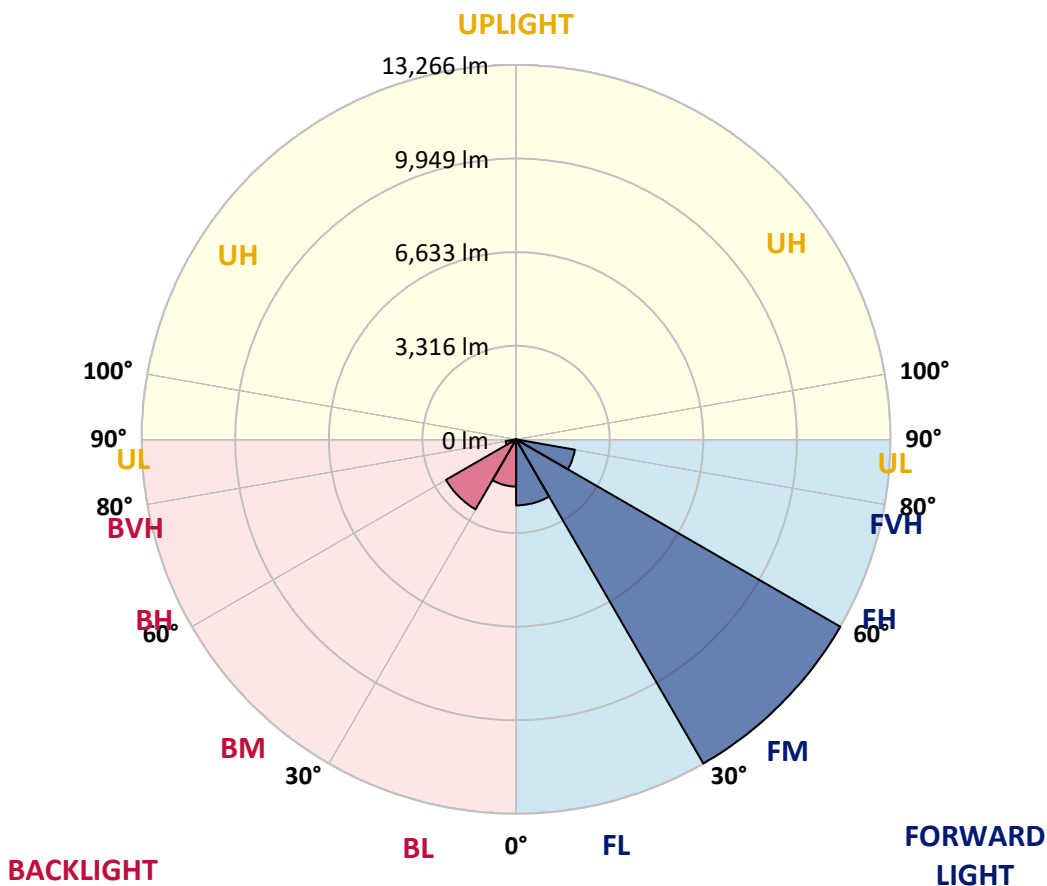
CATALOG NUMBER: GWS-SA6F-722-U-T3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2339.6	10.3			
FM (30°-60°)	13265.9	58.6			
FH (60°-80°)	2118.5	9.4			G2/5000
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	1671.8	7.4	B3/2500		
BM (30°-60°)	2864.8	12.7	B3/5000		
BH (60°-80°)	373.4	1.6	B1/500		G1/500
BVH (80°-90°)	1.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





REPORT NUMBER: P643501

CATALOG NUMBER: GWS-SA6F-722-U-T3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3789.7	3789.7	3789.7	3789.7	3789.7	3789.7	3789.7	3789.7	3789.7	3789.7	3789.7
2.5°	3829.1	3826.5	3823.8	3839.6	3834.4	3831.7	3837.0	3837.0	3837.0	3821.2	3789.7
5°	3921.1	3921.1	3918.5	3934.2	3921.1	3913.2	3915.8	3915.8	3905.3	3876.4	3837.0
7.5°	4065.6	4060.4	4055.1	4070.9	4057.7	4055.1	4060.4	4044.6	4026.2	3978.9	3923.7
10°	4273.2	4273.2	4265.4	4281.1	4270.6	4265.4	4265.4	4254.8	4220.7	4147.1	4065.6
12.5°	4559.7	4546.6	4528.2	4515.0	4509.8	4507.1	4509.8	4494.0	4457.2	4362.6	4249.6
15°	4872.4	4861.9	4833.0	4812.0	4783.1	4777.8	4793.6	4780.5	4743.7	4614.9	4454.6
17.5°	5266.7	5279.8	5206.2	5161.5	5077.4	5072.2	5077.4	5098.5	5072.2	4906.6	4672.7
20°	5603.0	5613.6	5558.4	5526.8	5450.6	5416.5	5427.0	5461.1	5432.2	5237.7	4911.9
22.5°	5963.1	5976.2	5918.4	5852.7	5818.5	5818.5	5858.0	5905.3	5865.9	5610.9	5185.2
25°	6394.1	6404.6	6357.3	6270.6	6210.1	6286.3	6344.2	6470.3	6404.6	6057.7	5508.4
27.5°	6888.2	6890.8	6822.5	6733.1	6701.6	6843.5	6901.3	7095.8	7069.5	6559.7	5850.1
30°	7416.4	7419.0	7403.3	7342.8	7313.9	7500.5	7579.4	7860.6	7842.2	7182.5	6315.3
32.5°	7965.7	7965.7	7994.6	7989.3	8023.5	8328.4	8454.5	8775.1	8756.7	7944.7	6893.4
35°	8517.6	8520.2	8570.1	8696.3	8838.2	9242.9	9408.5	9797.4	9755.4	8856.6	7631.9
37.5°	9145.7	9119.4	9187.7	9377.0	9692.3	10160.1	10317.8	10688.4	10641.1	9789.6	8596.4
40°	9902.6	9855.3	9855.3	10076.0	10433.4	10972.2	11106.2	11290.2	11129.9	10543.8	9542.5
42.5°	10738.3	10693.6	10635.8	10830.3	11129.9	11550.4	11660.7	11610.8	11479.4	11256.0	10620.0
45°	11584.5	11516.2	11555.6	11673.9	11847.3	12047.1	12089.1	11857.8	11797.4	11860.5	11510.9
47.5°	12228.4	12181.1	12278.3	12443.9	12585.8	12614.7	12585.8	12265.2	12259.9	12483.3	12128.5
50°	12443.9	12449.2	12717.2	13079.9	13308.5	13332.2	13292.8	12924.8	12874.9	12940.6	12462.3
52.5°	12464.9	12486.0	12877.5	13568.7	14191.6	14475.4	14443.9	14047.0	13558.2	13487.3	12966.9
55°	11957.7	12081.2	12627.9	13637.1	14961.6	15868.3	15973.4	15213.9	14488.5	14428.1	14052.3
57.5°	9558.3	9810.6	10470.2	11907.8	14102.2	16012.8	16286.1	15739.5	15037.8	14780.3	13760.6
60°	5713.4	6026.2	6659.5	8423.0	10733.0	13161.4	13631.8	13708.0	13384.8	12641.0	10557.0
62.5°	2452.0	2425.7	3206.2	4557.1	6383.6	8365.1	8578.0	8909.2	9190.4	8412.4	6407.2
65°	841.0	914.6	1272.0	2055.2	3195.7	3884.3	4073.5	4370.5	4769.9	3936.8	2346.9
67.5°	520.4	551.9	733.2	1214.2	1724.0	1697.7	1613.6	1566.3	1524.3	1043.3	643.9
70°	378.4	404.7	515.1	835.7	1159.0	814.7	707.0	572.9	636.0	586.1	457.3
72.5°	254.9	275.9	354.8	507.2	593.9	396.8	367.9	417.9	504.6	480.9	373.2
75°	152.4	165.6	202.4	247.0	241.8	205.0	207.6	294.3	386.3	360.0	265.4
77.5°	105.1	110.4	134.0	160.3	118.3	63.1	57.8	81.5	131.4	131.4	89.4
80°	26.3	34.2	34.2	21.0	18.4	15.8	15.8	23.7	36.8	26.3	13.1
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.3	5.3	5.3	5.3
85°	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	5.3	5.3	5.3
87.5°	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.3	5.3
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: P643501

CATALOG NUMBER: GWS-SA6F-722-U-T3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3789.7	3789.7	3789.7	3789.7	3789.7	3789.7	3789.7	3789.7	3789.7	3789.7	3789.7
2.5°	3808.1	3776.5	3797.6	3792.3	3808.1	3813.3	3789.7	3784.4	3787.0	3755.5	3745.0
5°	3844.9	3808.1	3818.6	3808.1	3826.5	3842.2	3834.4	3844.9	3858.0	3834.4	3823.8
7.5°	3923.7	3886.9	3884.3	3868.5	3894.8	3905.3	3902.7	3931.6	3957.9	3942.1	3926.3
10°	4060.4	4010.4	4005.2	3992.0	3999.9	4007.8	3978.9	3984.2	4007.8	3989.4	3981.5
12.5°	4228.6	4168.1	4155.0	4123.4	4123.4	4084.0	4020.9	4007.8	4026.2	4013.1	3999.9
15°	4409.9	4328.4	4307.4	4252.2	4199.7	4126.1	4060.4	4044.6	4057.7	4042.0	4031.5
17.5°	4612.3	4520.3	4451.9	4354.7	4239.1	4152.3	4078.8	4044.6	4023.6	3992.0	3989.4
20°	4812.0	4691.1	4575.5	4420.4	4268.0	4136.6	4015.7	3926.3	3850.1	3802.8	3784.4
22.5°	5043.3	4864.6	4678.0	4459.8	4241.7	4042.0	3829.1	3676.7	3545.3	3500.6	3479.6
25°	5290.3	5059.0	4780.5	4496.6	4152.3	3831.7	3542.6	3316.6	3143.2	3085.4	3061.7
27.5°	5563.6	5245.6	4885.6	4488.7	3968.4	3532.1	3148.4	2867.2	2696.4	2643.8	2662.2
30°	5910.5	5487.4	5017.0	4407.3	3692.4	3111.6	2662.2	2425.7	2296.9	2247.0	2249.6
32.5°	6373.1	5834.3	5208.8	4233.8	3337.6	2633.3	2239.1	2065.7	1978.9	1913.2	1908.0
35°	7035.3	6362.6	5387.5	3955.2	2906.6	2207.6	1921.1	1784.5	1663.6	1587.4	1600.5
37.5°	7829.0	7027.5	5484.8	3579.4	2423.1	1876.4	1682.0	1542.7	1406.0	1293.0	1306.2
40°	8769.9	7897.3	5476.9	3085.4	1981.6	1650.4	1482.2	1319.3	1148.5	1046.0	1056.5
42.5°	9818.5	8719.9	5306.1	2562.4	1642.5	1466.5	1290.4	1085.4	919.8	856.8	859.4
45°	10727.8	9387.5	5006.5	2021.0	1382.4	1287.8	1090.6	880.4	806.8	762.1	759.5
47.5°	11400.6	9876.3	4578.1	1590.0	1172.1	1124.8	896.2	788.4	730.6	693.8	688.6
50°	11776.4	10047.1	4105.0	1245.7	990.8	954.0	801.6	714.8	675.4	651.8	646.5
52.5°	12281.0	10252.1	3766.0	982.9	830.5	780.5	738.5	664.9	638.6	620.2	612.3
55°	13079.9	10648.9	3471.7	780.5	691.2	680.7	696.4	636.0	620.2	591.3	580.8
57.5°	12328.3	9566.2	2696.4	604.5	583.4	622.9	672.8	607.1	567.7	541.4	530.9
60°	8675.3	6359.9	1356.1	486.2	520.4	583.4	633.4	549.3	509.8	515.1	509.8
62.5°	4783.1	3182.6	609.7	407.4	452.0	515.1	541.4	475.7	449.4	494.1	502.0
65°	1563.7	1082.8	352.2	315.4	357.4	420.5	467.8	452.0	446.8	499.3	515.1
67.5°	480.9	357.4	239.2	226.0	247.0	310.1	394.2	488.8	525.6	541.4	549.3
70°	360.0	281.2	205.0	191.8	202.4	236.5	333.8	407.4	383.7	386.3	381.1
72.5°	289.1	223.4	176.1	168.2	168.2	162.9	176.1	220.8	249.7	262.8	262.8
75°	202.4	157.7	134.0	123.5	97.2	78.8	71.0	71.0	63.1	60.4	57.8
77.5°	68.3	57.8	52.6	42.0	28.9	23.7	21.0	18.4	13.1	7.9	5.3
80°	10.5	7.9	5.3	5.3	5.3	2.6	2.6	2.6	0.0	0.0	0.0
82.5°	5.3	5.3	5.3	5.3	5.3	2.6	2.6	0.0	0.0	0.0	0.0
85°	5.3	5.3	5.3	5.3	5.3	2.6	2.6	0.0	0.0	0.0	0.0
87.5°	5.3	5.3	5.3	5.3	2.6	2.6	2.6	0.0	0.0	0.0	0.0
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)