

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: P643833

Luminaire Tested: GWS-SA6F-760-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-760-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36863.6 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

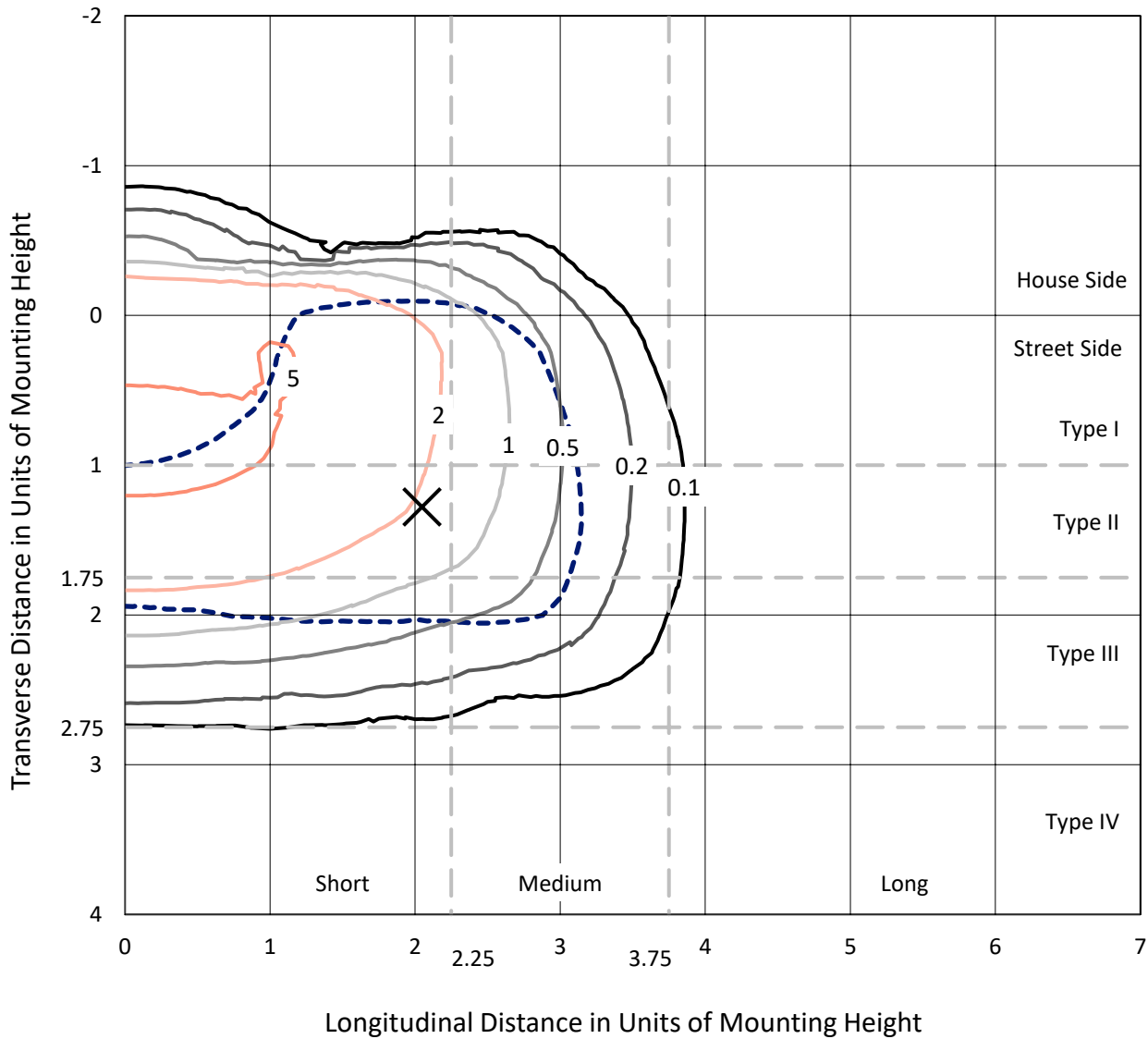
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

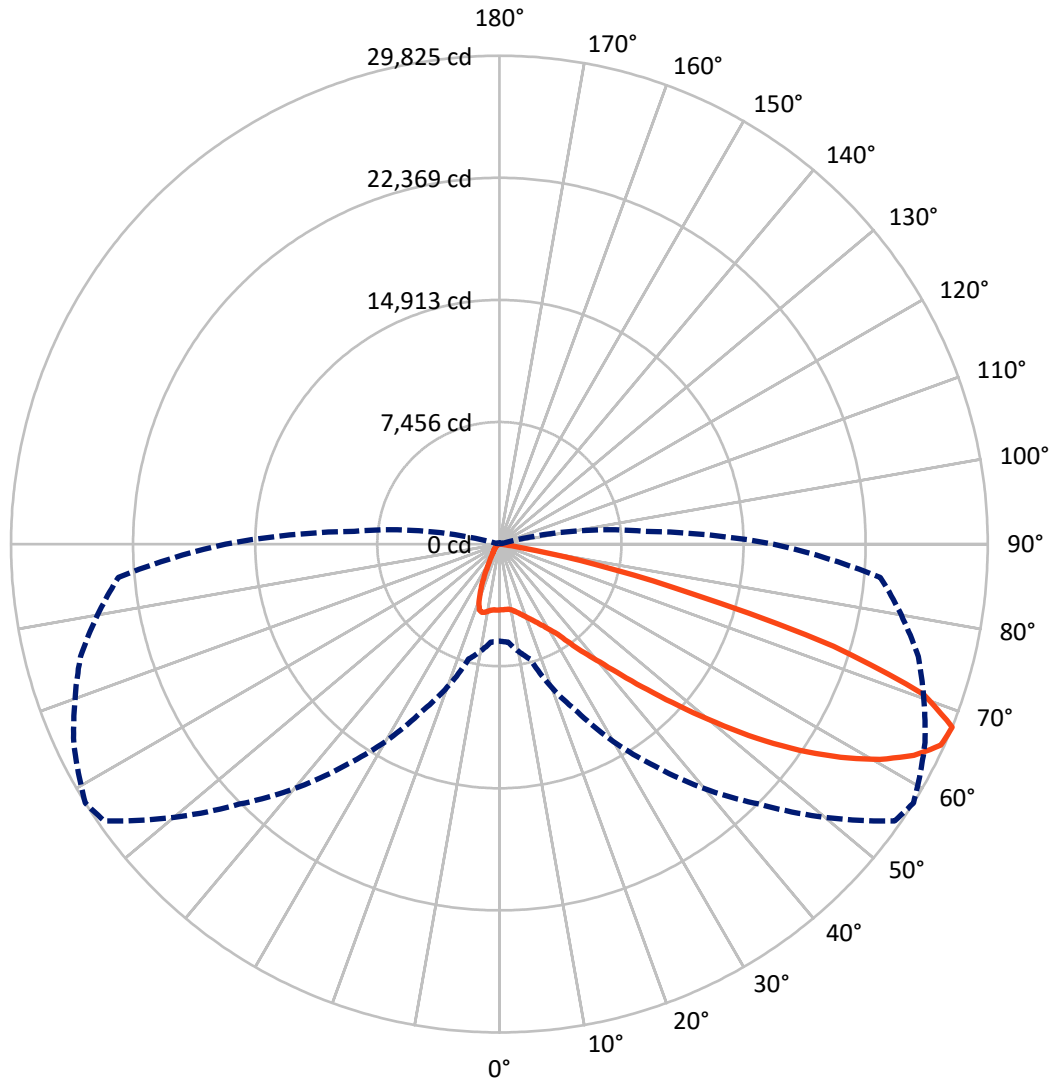
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4021.7	0.0	4021.7
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	32841.9	0.0	32841.9
	% Fixture	89.1	0.0	89.1
Total	Lumens	36863.6	0.0	36863.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.3	1.0
10°-20°	1059.5	2.9
20°-30°	1849.4	5.0
30°-40°	3302.7	9.0
40°-50°	6036.8	16.4
50°-60°	10039.9	27.2
60°-70°	10905.0	29.6
70°-80°	3201.8	8.7
80°-90°	91.2	0.2
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°	36863.6	100.0
0°-180°	36863.6	100.0

Coefficient of Utilization



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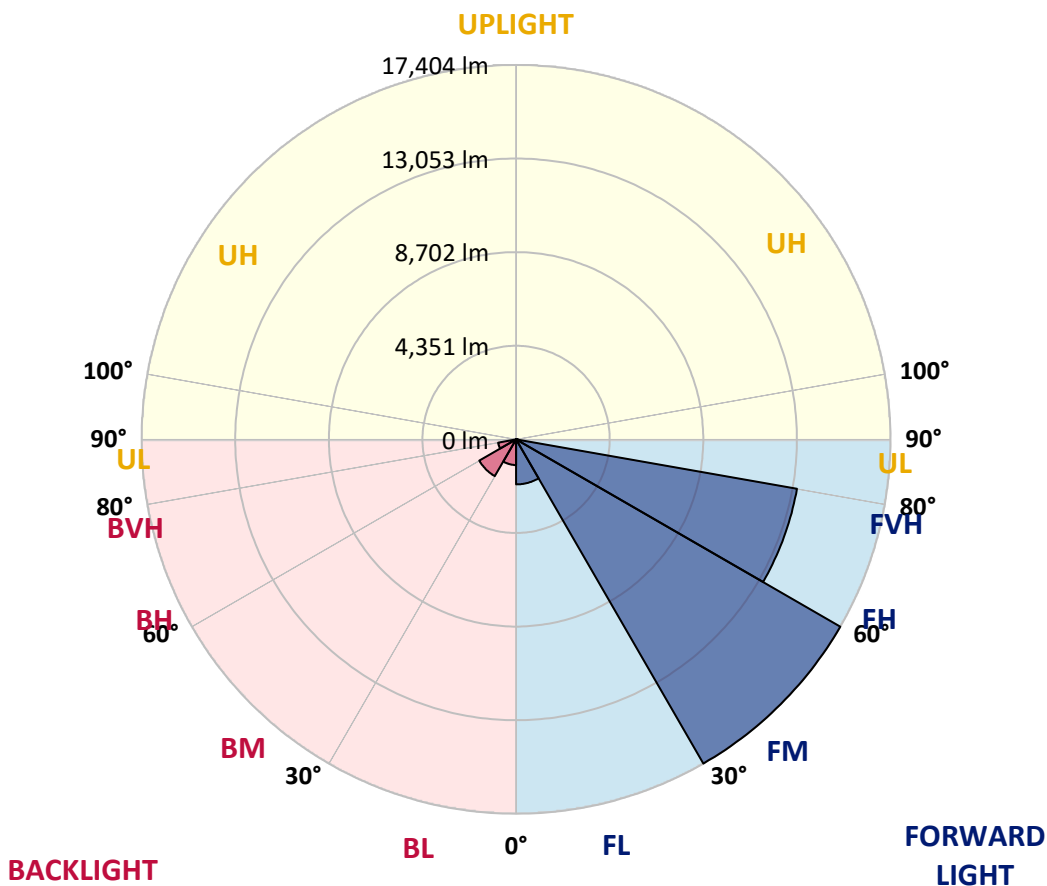
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2093.3	5.7			
FM (30°-60°)	17404.1	47.2			
FH (60°-80°)	13257.8	36.0			G5
FVH (80°-90°)	86.7	0.2			G1/100
BL (0°-30°)	1192.9	3.2	B3/2500		
BM (30°-60°)	1975.3	5.4	B2/2500		
BH (60°-80°)	849.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	4.5	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-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4017.0	4017.0	4017.0	4017.0	4017.0	4017.0	4017.0	4017.0	4017.0	4017.0	4017.0
2.5°	3941.4	3934.2	3934.2	3963.0	3966.6	3981.0	4013.4	4017.0	4035.0	4027.8	4002.6
5°	3736.3	3739.9	3761.5	3811.9	3855.1	3909.0	3988.2	4006.2	4045.8	4067.4	4053.0
7.5°	3545.5	3549.1	3581.5	3660.7	3743.5	3851.5	3981.0	4017.0	4096.2	4153.8	4157.4
10°	3473.5	3469.9	3502.3	3592.3	3700.3	3851.5	4038.6	4085.4	4204.2	4305.0	4323.0
12.5°	3495.1	3491.5	3523.9	3606.7	3725.5	3916.2	4139.4	4204.2	4355.4	4510.2	4542.6
15°	3581.5	3577.9	3599.5	3667.9	3797.5	3995.4	4269.0	4366.2	4557.0	4744.1	4794.5
17.5°	3840.7	3822.7	3801.1	3808.3	3883.8	4089.0	4434.6	4553.4	4790.9	5014.1	5057.3
20°	4301.4	4254.6	4197.0	4121.4	4085.4	4225.8	4625.3	4762.1	5050.1	5305.6	5312.8
22.5°	4996.1	4978.1	4844.9	4625.3	4470.6	4474.2	4848.5	5006.9	5359.6	5640.4	5600.8
25°	5964.4	5953.6	5748.4	5388.4	4985.3	4848.5	5132.9	5294.9	5726.8	6025.5	5899.6
27.5°	7166.6	7091.0	6849.8	6363.9	5762.8	5334.4	5492.8	5636.8	6115.5	6396.3	6158.7
30°	8214.0	8217.6	7990.9	7483.3	6806.6	6065.1	5932.0	6057.9	6471.9	6767.0	6479.1
32.5°	9221.9	9254.3	9005.9	8548.8	7807.3	7019.0	6561.9	6583.5	6929.0	7249.4	6900.2
35°	10157.8	10183.0	10010.2	9621.4	8930.3	8016.1	7440.1	7429.3	7616.5	7944.1	7486.9
37.5°	11205.2	11230.4	11061.2	10712.1	10064.2	9157.1	8437.2	8422.8	8498.4	8764.8	8242.8
40°	12321.1	12367.8	12180.7	11885.5	11266.4	10499.7	9596.2	9466.7	9391.1	9704.2	9221.9
42.5°	13451.3	13523.3	13458.5	13163.3	12634.2	12000.7	11100.8	10899.3	10737.3	11129.6	10618.5
45°	14855.1	14941.5	14912.7	14685.9	14275.6	13760.9	12911.4	12677.4	12601.8	12965.4	12357.0
47.5°	16204.9	16298.5	16402.9	16352.5	16060.9	15823.4	14880.3	14747.1	14725.5	15114.3	14171.2
50°	17209.2	17295.6	17695.1	17983.1	18181.0	18130.6	17313.5	17115.6	17083.2	17331.5	16086.1
52.5°	17929.1	18011.8	18562.6	19462.4	20189.5	20585.5	19761.2	19718.0	19541.6	19455.2	17878.7
55°	18487.0	18602.2	19181.7	20542.3	22007.3	22885.6	22370.8	22216.1	21762.5	21265.8	19541.6
57.5°	18598.6	18645.4	19462.4	21298.2	23418.3	24840.1	24840.1	24570.1	23695.4	23007.9	21463.8
60°	17597.9	17741.9	18846.9	21237.0	24023.0	26117.9	26888.2	26701.0	25520.4	24674.5	23313.9
62.5°	15377.0	15539.0	16885.2	19772.0	23418.3	26380.7	28439.6	28410.8	27079.0	26053.1	24847.3
65°	11791.9	11910.7	13084.1	16539.7	20862.6	25369.2	29548.2	29627.4	28310.0	26963.8	25376.4
67.5°	5924.8	6007.5	7274.6	11298.8	16536.1	22457.2	29472.6	29825.4	28684.3	26481.4	23357.1
70°	2069.7	2152.5	2750.0	4848.5	10064.2	17148.0	26924.2	27500.1	26485.0	22604.8	17230.8
72.5°	709.1	748.7	1141.0	1799.7	3916.2	10165.0	20473.9	21341.4	19523.6	15175.5	9902.2
75°	403.1	428.3	611.9	975.5	1641.4	3343.9	11615.6	12148.3	11381.6	8271.6	4074.6
77.5°	273.6	295.2	381.5	554.3	907.1	1076.2	4736.9	5964.4	5201.3	2699.6	1040.3
80°	162.0	176.4	234.0	327.6	464.3	417.5	1015.1	1349.8	1738.6	806.3	313.2
82.5°	75.6	86.4	151.2	216.0	234.0	176.4	298.8	363.5	489.5	395.9	129.6
85°	0.0	0.0	50.4	90.0	86.4	50.4	82.8	90.0	133.2	198.0	50.4
87.5°	0.0	0.0	0.0	0.0	0.0	3.6	7.2	10.8	21.6	39.6	21.6
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°	4017.0	4017.0	4017.0	4017.0	4017.0	4017.0	4017.0	4017.0	4017.0	4017.0	4017.0
2.5°	4031.4	4006.2	4035.0	4020.6	4035.0	4031.4	4002.6	3984.6	3984.6	3952.2	3941.4
5°	4081.8	4056.6	4063.8	4031.4	4024.2	4006.2	3970.2	3955.8	3955.8	3923.4	3912.6
7.5°	4193.4	4153.8	4146.6	4081.8	4053.0	4002.6	3937.8	3912.6	3909.0	3876.7	3865.9
10°	4369.8	4323.0	4290.6	4207.8	4125.0	4024.2	3887.4	3772.3	3707.5	3621.1	3613.9
12.5°	4585.8	4528.2	4477.8	4351.8	4215.0	3988.2	3585.1	3164.0	2904.8	2699.6	2714.0
15°	4826.9	4772.9	4693.7	4503.0	4222.2	3631.9	2789.6	2141.7	1824.9	1655.8	1648.6
17.5°	5089.7	5010.5	4880.9	4621.7	3995.4	2775.2	1814.1	1281.4	1115.8	1058.3	1043.9
20°	5334.4	5237.3	5075.3	4646.9	3340.3	1878.9	1133.8	993.5	964.7	946.7	946.7
22.5°	5593.6	5471.2	5230.1	4452.6	2483.6	1202.2	964.7	932.3	910.7	885.5	881.9
25°	5856.4	5698.0	5370.4	3945.0	1627.0	946.7	903.5	867.5	827.9	788.3	777.5
27.5°	6079.5	5874.4	5478.4	3189.1	1043.9	853.1	824.3	763.1	709.1	665.9	658.7
30°	6345.9	6083.1	5525.2	2332.5	820.7	752.3	709.1	644.3	579.5	536.3	521.9
32.5°	6702.3	6414.3	5453.2	1519.0	727.1	662.3	593.9	518.3	453.5	406.7	399.5
35°	7256.6	6914.6	5122.1	968.3	658.7	572.3	489.5	410.3	356.3	320.4	313.2
37.5°	7933.3	7616.5	4578.6	727.1	590.3	496.7	399.5	324.0	284.4	259.2	252.0
40°	8937.5	8494.8	3905.4	637.1	521.9	421.1	327.6	266.4	237.6	216.0	208.8
42.5°	10240.5	9531.5	3131.6	579.5	457.1	352.8	266.4	219.6	194.4	180.0	176.4
45°	11763.1	10542.9	2314.5	521.9	395.9	291.6	219.6	180.0	162.0	151.2	147.6
47.5°	13321.7	11428.4	1598.2	460.7	338.4	241.2	183.6	154.8	140.4	126.0	122.4
50°	14984.7	12177.1	1090.6	399.5	288.0	198.0	158.4	140.4	122.4	111.6	108.0
52.5°	16204.9	12454.2	759.5	345.6	244.8	169.2	140.4	126.0	111.6	97.2	93.6
55°	17331.5	12447.0	575.9	291.6	208.8	147.6	126.0	111.6	97.2	86.4	82.8
57.5°	18454.6	12349.9	453.5	248.4	180.0	133.2	111.6	97.2	90.0	75.6	72.0
60°	19181.7	11982.7	352.8	208.8	154.8	115.2	97.2	86.4	75.6	64.8	61.2
62.5°	19566.8	11471.6	270.0	165.6	126.0	100.8	86.4	75.6	64.8	54.0	50.4
65°	19044.9	10564.5	212.4	129.6	97.2	86.4	72.0	61.2	50.4	39.6	36.0
67.5°	16730.4	8908.7	165.6	104.4	75.6	64.8	61.2	50.4	36.0	28.8	25.2
70°	11824.3	6101.1	129.6	79.2	57.6	50.4	46.8	39.6	28.8	21.6	18.0
72.5°	6489.9	3077.6	93.6	57.6	43.2	39.6	36.0	32.4	25.2	18.0	18.0
75°	2498.0	845.9	68.4	39.6	28.8	28.8	25.2	25.2	21.6	14.4	14.4
77.5°	651.5	252.0	43.2	25.2	18.0	18.0	18.0	14.4	14.4	10.8	10.8
80°	208.8	82.8	25.2	18.0	14.4	10.8	10.8	7.2	10.8	7.2	7.2
82.5°	68.4	28.8	14.4	14.4	10.8	7.2	7.2	3.6	3.6	0.0	0.0
85°	25.2	14.4	10.8	7.2	7.2	7.2	3.6	0.0	0.0	0.0	0.0
87.5°	14.4	7.2	7.2	7.2	7.2	3.6	0.0	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)