

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: P636055

Luminaire Tested: GWS-SA3F-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14586.8 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

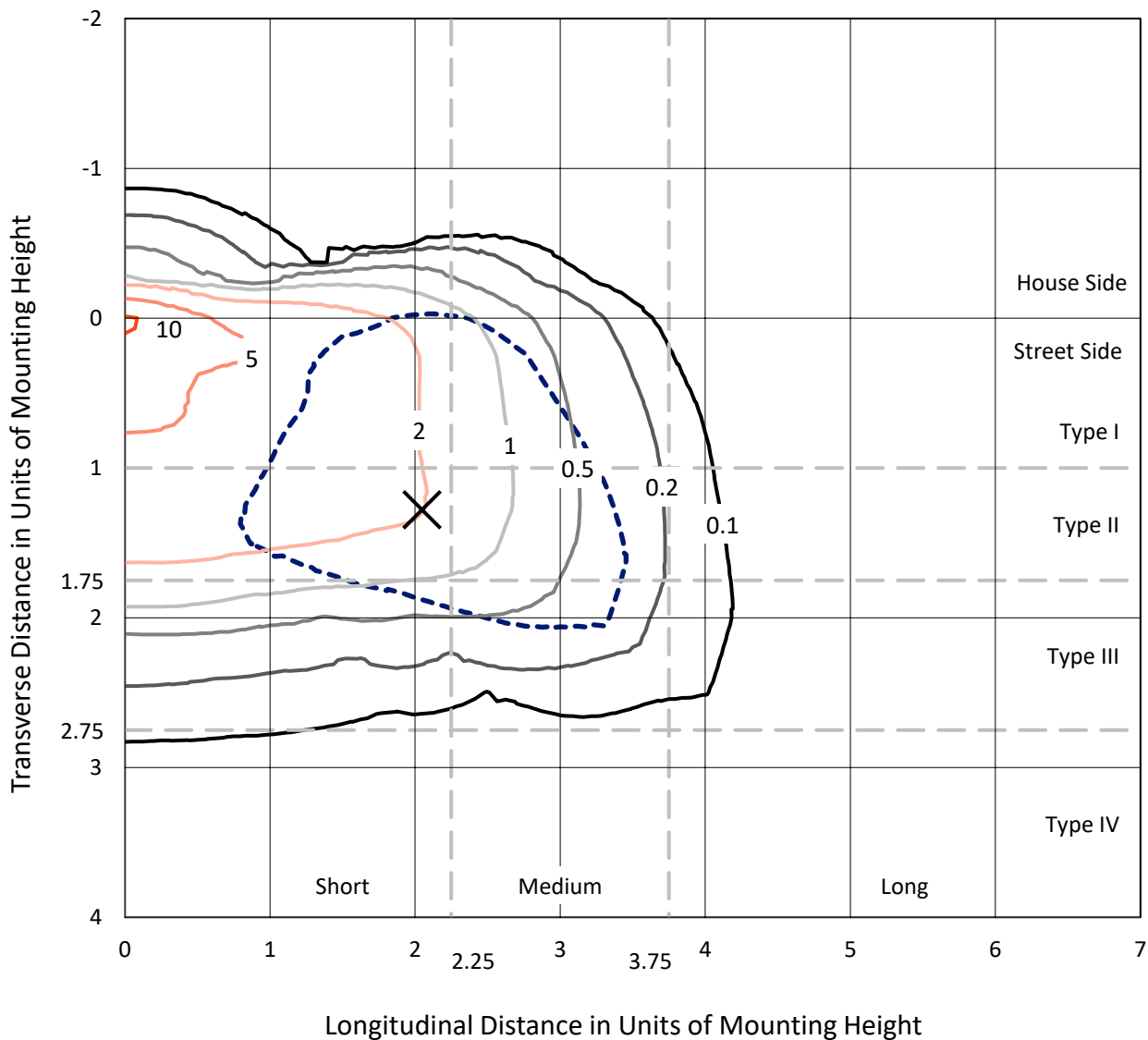
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

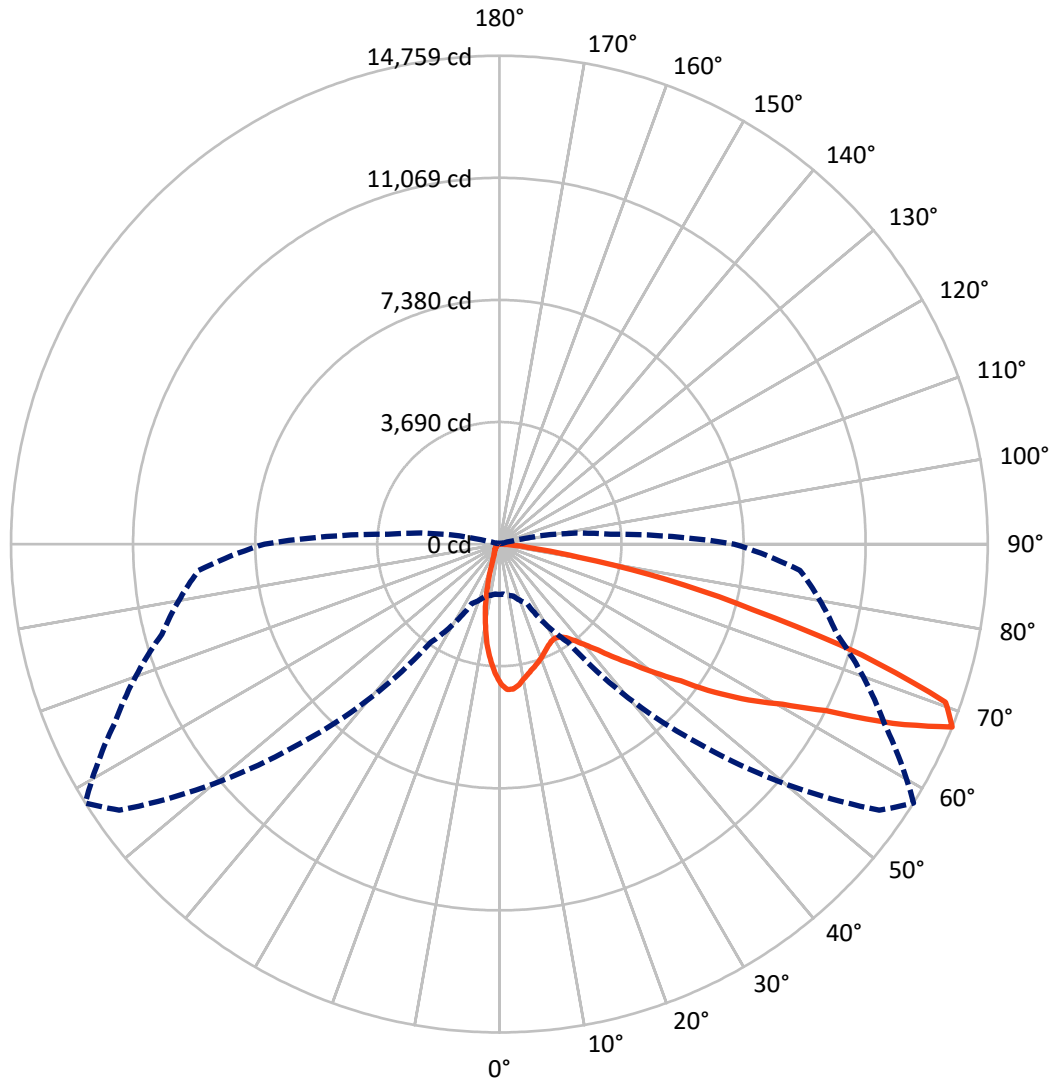
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.5 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	1425.0	0.0	1425.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	13161.8	0.0	13161.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	14586.8	0.0	14586.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.9	2.3
10°-20°	711.7	4.9
20°-30°	959.8	6.6
30°-40°	1348.7	9.2
40°-50°	2083.0	14.3
50°-60°	3330.9	22.8
60°-70°	3944.1	27.0
70°-80°	1744.7	12.0
80°-90°	122.0	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°	14586.8	100.0
0°-180°	14586.8	100.0

Coefficient of Utilization

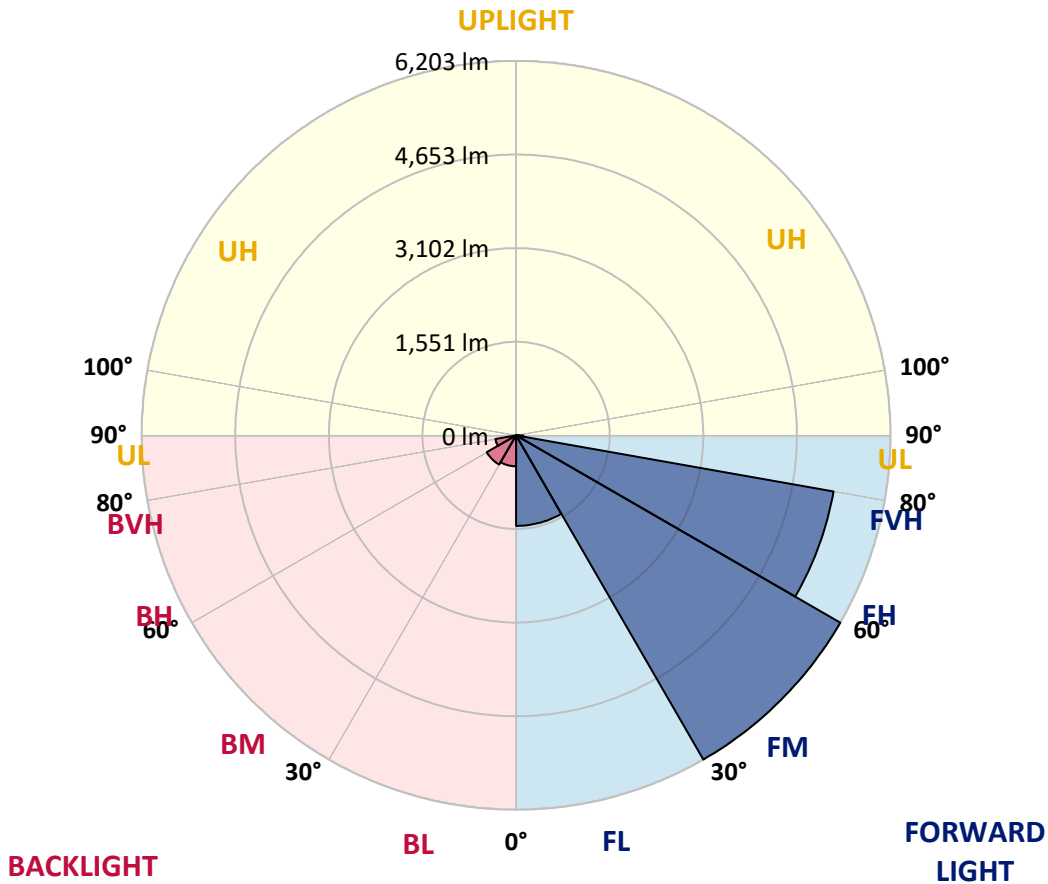


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1500.6	10.3			
FM (30°-60°)	6203.5	42.5			
FH (60°-80°)	5340.9	36.6			G3/7500
FVH (80°-90°)	116.8	0.8			G2/225
BL (0°-30°)	512.8	3.5	B2/1000		
BM (30°-60°)	559.1	3.8	B1/1000		
BH (60°-80°)	347.9	2.4	B1/500		G1/500
BVH (80°-90°)	5.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4207.5	4207.5	4207.5	4207.5	4207.5	4207.5	4207.5	4207.5	4207.5	4207.5	4207.5
2.5°	4425.7	4433.5	4443.8	4456.7	4454.1	4442.5	4428.3	4396.0	4375.4	4310.8	4232.0
5°	4283.7	4282.4	4308.2	4332.7	4376.6	4399.9	4432.2	4402.5	4392.1	4314.7	4186.9
7.5°	4006.1	4020.3	4050.0	4088.7	4152.0	4220.4	4297.9	4288.9	4319.8	4268.2	4109.4
10°	3733.7	3726.0	3772.4	3830.5	3927.4	4015.2	4127.5	4126.2	4207.5	4202.4	4021.6
12.5°	3494.9	3493.6	3529.7	3595.6	3709.2	3831.8	3984.2	3988.0	4088.7	4130.1	3946.7
15°	3293.5	3296.0	3330.9	3399.3	3516.8	3666.6	3843.4	3875.7	3989.3	4073.2	3873.1
17.5°	3150.2	3151.4	3172.1	3231.5	3346.4	3506.5	3719.5	3763.4	3909.3	4030.6	3813.7
20°	3084.3	3079.1	3083.0	3112.7	3201.8	3347.7	3593.0	3649.8	3835.7	4001.0	3759.5
22.5°	3093.3	3085.6	3067.5	3063.7	3103.7	3214.7	3458.7	3528.4	3755.7	3982.9	3710.5
25°	3173.4	3156.6	3130.8	3092.1	3076.6	3132.1	3341.2	3413.5	3680.8	3984.2	3673.0
27.5°	3296.0	3278.0	3245.7	3194.0	3133.4	3110.1	3261.2	3329.6	3627.8	4013.9	3655.0
30°	3452.3	3438.1	3407.1	3345.1	3263.8	3168.2	3244.4	3301.2	3602.0	4074.5	3662.7
32.5°	3636.9	3626.5	3600.7	3543.9	3451.0	3305.1	3301.2	3345.1	3622.7	4162.3	3692.4
35°	3815.0	3818.9	3820.2	3789.2	3689.8	3512.9	3457.4	3472.9	3707.9	4294.0	3759.5
37.5°	4007.4	3998.4	4044.8	4066.8	3971.3	3782.8	3698.8	3700.1	3870.6	4489.0	3886.0
40°	4153.3	4155.9	4256.6	4347.0	4306.9	4124.9	4004.8	4003.5	4121.0	4756.2	4090.0
42.5°	4290.1	4306.9	4455.4	4610.3	4665.8	4504.5	4418.0	4385.7	4472.2	5117.7	4396.0
45°	4436.0	4460.6	4668.4	4889.2	5035.1	4939.5	4871.1	4884.0	4894.4	5538.6	4807.9
47.5°	4606.5	4621.9	4878.9	5190.0	5462.4	5437.9	5441.8	5426.3	5421.1	6069.2	5352.7
50°	4813.0	4849.2	5144.8	5516.6	5888.5	6051.1	6105.4	6111.8	6027.9	6647.6	5916.9
52.5°	5252.0	5295.9	5548.9	5874.3	6353.2	6695.4	6916.1	6872.2	6743.1	7207.9	6535.3
55°	5769.7	5803.3	6047.3	6384.2	6921.3	7401.6	7925.7	7907.7	7591.3	7797.9	7043.9
57.5°	5818.7	5856.2	6234.5	6750.9	7650.7	8274.3	8825.6	8883.7	8420.2	8216.2	7498.4
60°	5267.5	5343.6	5860.1	6554.6	7929.6	9447.9	9811.9	9823.6	9028.3	8641.0	8053.5
62.5°	4221.7	4257.9	4778.2	5684.5	7499.7	10132.1	11318.6	11073.3	9809.4	9298.1	8932.7
65°	2212.9	2360.0	2813.2	3816.3	6082.1	9893.3	13131.2	13064.1	11214.0	10239.3	9617.0
67.5°	1518.3	1517.0	1624.1	1989.5	3626.5	8518.3	14020.8	14759.2	12838.2	10562.0	9121.2
70°	1155.5	1159.4	1254.9	1492.4	1878.5	5670.3	13044.7	14307.4	13140.3	9589.9	7377.0
72.5°	766.9	774.6	933.4	1205.8	1500.2	2779.6	10137.3	11447.7	11056.5	7702.4	5192.6
75°	458.3	464.8	578.4	876.6	1333.7	1555.7	6441.0	7914.1	7610.7	5308.8	2783.5
77.5°	188.5	193.7	296.9	546.1	976.0	1208.4	3562.0	5178.4	4558.7	2110.9	760.4
80°	78.8	81.3	143.3	382.1	703.6	757.8	1650.0	2433.6	1868.1	454.4	232.4
82.5°	28.4	29.7	52.9	210.4	437.7	570.6	832.7	961.8	526.7	148.5	125.2
85°	1.3	1.3	12.9	71.0	166.5	161.4	476.4	460.9	174.3	62.0	74.9
87.5°	0.0	0.0	1.3	1.3	2.6	6.5	45.2	80.0	37.4	15.5	32.3
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°	4207.5	4207.5	4207.5	4207.5	4207.5	4207.5	4207.5	4207.5	4207.5	4207.5	4207.5
2.5°	4180.4	4112.0	4037.1	3967.4	3856.4	3790.5	3709.2	3673.0	3621.4	3608.5	3616.2
5°	4095.2	3977.7	3798.3	3635.6	3425.1	3256.0	3085.6	3013.3	2920.3	2858.4	2832.6
7.5°	3975.1	3821.5	3541.3	3245.7	2956.5	2647.9	2413.0	2258.0	2117.3	2039.9	2024.4
10°	3853.8	3653.7	3252.1	2828.7	2380.7	2011.4	1693.9	1458.9	1267.8	1181.3	1114.2
12.5°	3728.5	3479.4	2957.8	2405.2	1884.9	1381.4	988.9	760.4	623.6	569.4	578.4
15°	3613.6	3311.5	2666.0	1981.8	1327.2	834.0	546.1	460.9	428.6	418.3	417.0
17.5°	3503.9	3152.7	2375.5	1569.9	875.3	511.3	418.3	397.6	388.6	383.4	383.4
20°	3404.5	3000.4	2091.5	1182.6	565.5	405.4	378.3	367.9	360.2	356.3	356.3
22.5°	3311.5	2853.2	1813.9	836.6	417.0	364.1	347.3	337.0	327.9	322.8	322.8
25°	3227.6	2720.2	1549.3	575.8	358.9	333.1	315.0	303.4	287.9	278.9	278.9
27.5°	3166.9	2601.5	1294.9	419.6	324.1	299.5	278.9	263.4	246.6	236.3	233.7
30°	3130.8	2500.8	1038.0	344.7	291.8	267.2	244.0	224.6	205.3	194.9	193.7
32.5°	3110.1	2407.8	803.0	300.8	264.7	236.3	210.4	189.8	170.4	158.8	157.5
35°	3117.9	2335.5	601.6	271.1	238.8	209.1	180.7	160.1	143.3	133.0	130.4
37.5°	3185.0	2303.2	451.9	247.9	216.9	185.9	156.2	136.9	121.4	113.6	112.3
40°	3315.4	2309.7	355.0	229.8	198.8	162.7	134.3	116.2	104.6	98.1	96.8
42.5°	3518.1	2363.9	293.1	214.3	179.5	142.0	116.2	102.0	90.4	83.9	82.6
45°	3820.2	2476.2	255.6	196.2	158.8	122.6	100.7	87.8	77.5	69.7	68.4
47.5°	4257.9	2671.2	231.1	179.5	140.7	105.9	86.5	73.6	64.6	58.1	56.8
50°	4723.9	2904.9	210.4	162.7	125.2	91.7	73.6	60.7	52.9	46.5	45.2
52.5°	5221.0	3156.6	194.9	147.2	111.0	78.8	62.0	50.4	42.6	36.1	34.9
55°	5698.7	3409.7	176.9	136.9	94.2	67.1	51.6	41.3	33.6	28.4	28.4
57.5°	6163.5	3642.0	157.5	120.1	77.5	56.8	42.6	33.6	27.1	23.2	21.9
60°	6718.6	3963.5	135.6	102.0	64.6	47.8	34.9	27.1	21.9	18.1	18.1
62.5°	7543.6	4297.9	116.2	85.2	54.2	40.0	28.4	21.9	18.1	15.5	14.2
65°	7813.4	4117.1	98.1	69.7	43.9	32.3	23.2	19.4	15.5	14.2	12.9
67.5°	7093.0	3374.8	81.3	56.8	36.1	27.1	20.7	16.8	14.2	12.9	11.6
70°	5534.7	2394.9	63.3	42.6	29.7	21.9	18.1	15.5	12.9	11.6	11.6
72.5°	3764.7	1416.3	50.4	32.3	24.5	19.4	15.5	14.2	12.9	11.6	10.3
75°	1853.9	503.5	38.7	24.5	19.4	16.8	14.2	12.9	11.6	10.3	10.3
77.5°	499.6	139.4	29.7	19.4	15.5	12.9	12.9	12.9	11.6	9.0	9.0
80°	169.1	58.1	21.9	14.2	12.9	10.3	9.0	11.6	10.3	9.0	7.7
82.5°	93.0	28.4	15.5	11.6	9.0	7.7	7.7	7.7	7.7	6.5	6.5
85°	59.4	15.5	10.3	9.0	9.0	6.5	5.2	5.2	3.9	3.9	3.9
87.5°	27.1	9.0	9.0	7.7	7.7	6.5	3.9	2.6	1.3	1.3	1.3
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)