

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: P641830

Luminaire Tested: GWS-SA6B-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641830
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-SA6B-760-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17300.7 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

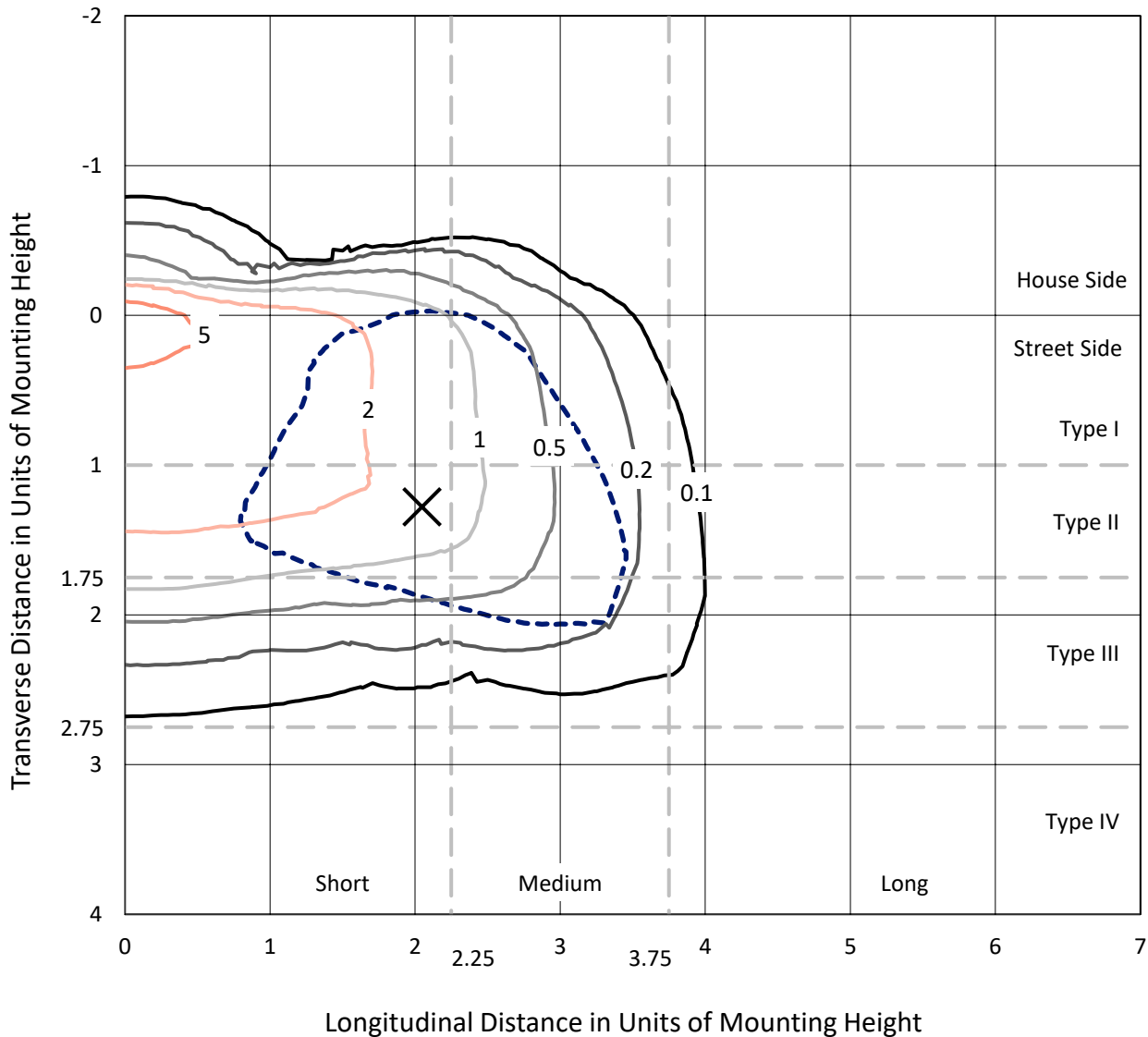
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

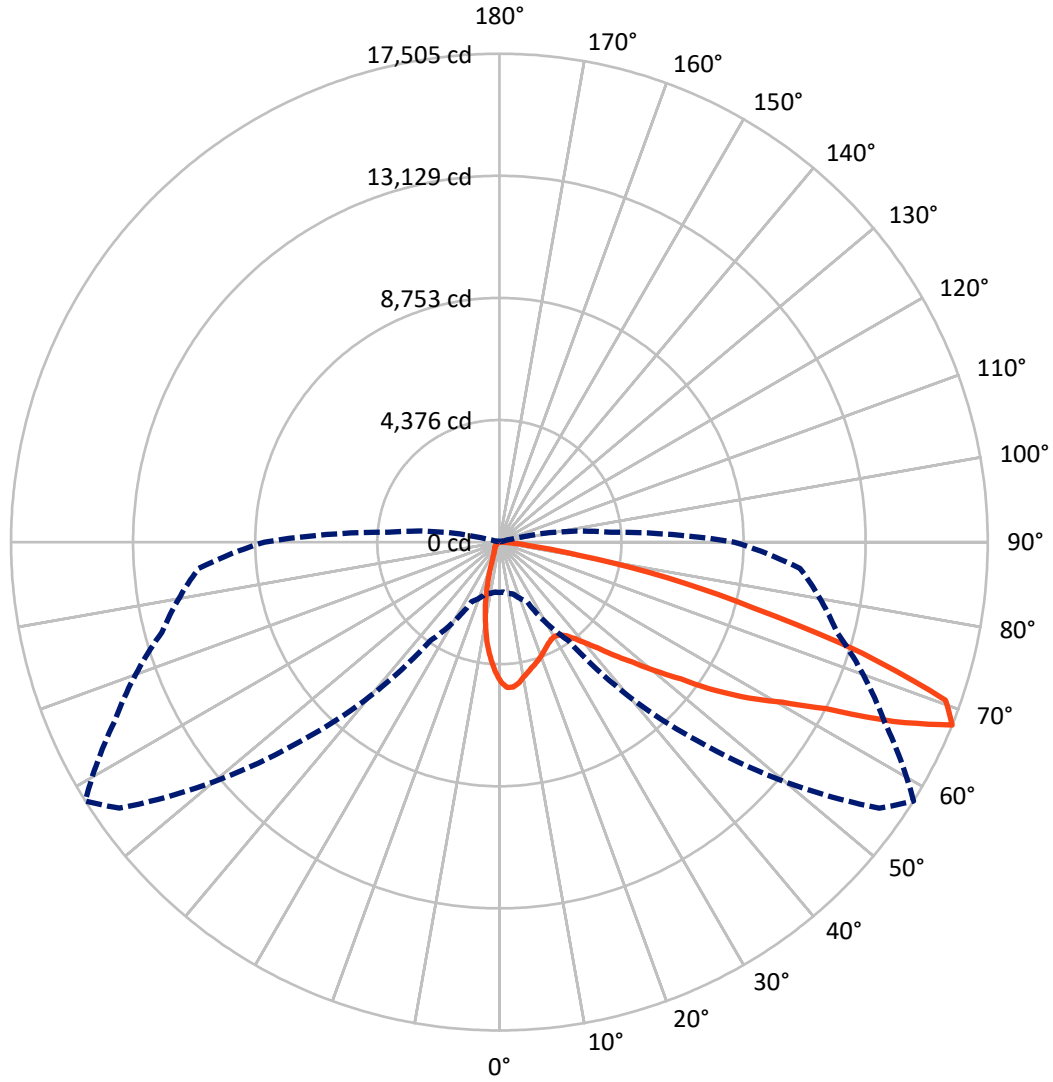
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	1690.2	0.0	1690.2
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	15610.5	0.0	15610.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	17300.7	0.0	17300.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.5	2.3
10°-20°	844.1	4.9
20°-30°	1138.4	6.6
30°-40°	1599.6	9.2
40°-50°	2470.5	14.3
50°-60°	3950.7	22.8
60°-70°	4677.9	27.0
70°-80°	2069.4	12.0
80°-90°	144.7	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°	17300.7	100.0
0°-180°	17300.7	100.0

Coefficient of Utilization



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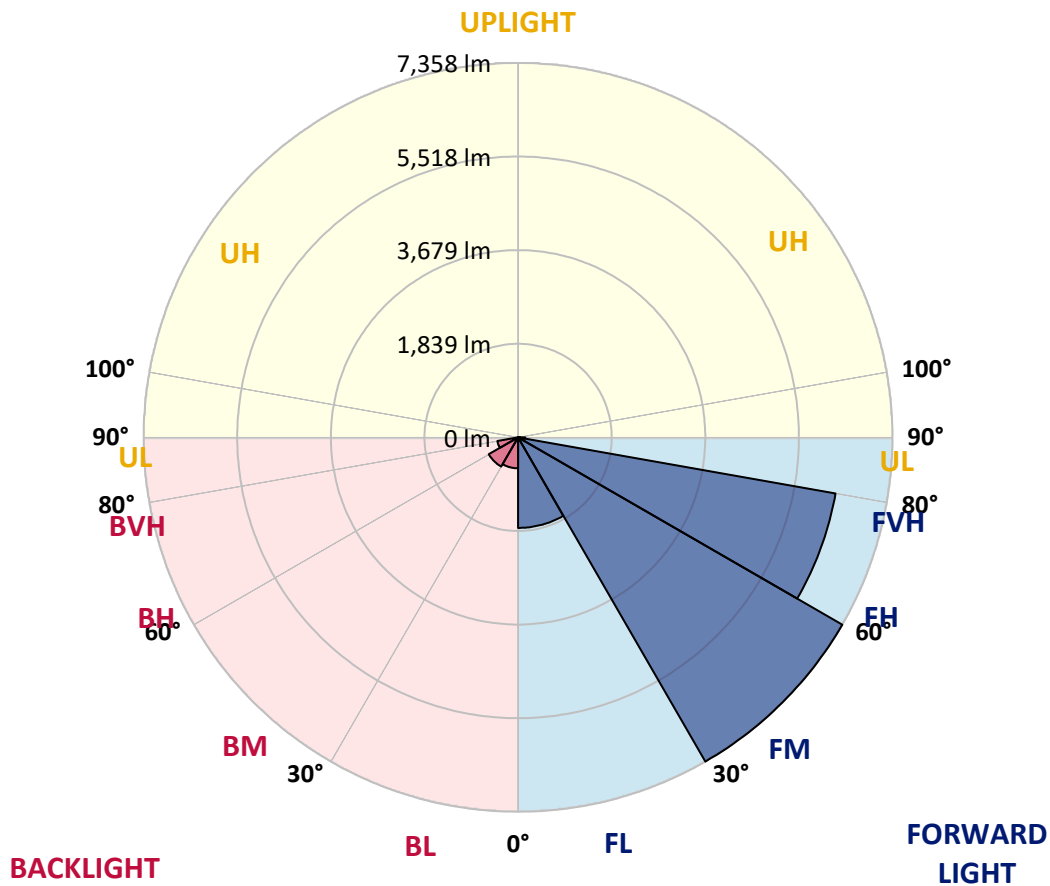
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1779.8	10.3			
FM (30°-60°)	7357.6	42.5			
FH (60°-80°)	6334.6	36.6			G3/7500
FVH (80°-90°)	138.5	0.8			G2/225
BL (0°-30°)	608.2	3.5	B2/1000		
BM (30°-60°)	663.2	3.8	B1/1000		
BH (60°-80°)	412.6	2.4	B1/500		G1/500
BVH (80°-90°)	6.2	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°	4990.3	4990.3	4990.3	4990.3	4990.3	4990.3	4990.3	4990.3	4990.3	4990.3	4990.3
2.5°	5249.1	5258.3	5270.6	5285.9	5282.8	5269.0	5252.2	5213.9	5189.4	5112.8	5019.4
5°	5080.7	5079.1	5109.8	5138.9	5190.9	5218.5	5256.8	5221.6	5209.3	5117.4	4965.8
7.5°	4751.5	4768.3	4803.5	4849.5	4924.5	5005.6	5097.5	5086.8	5123.6	5062.3	4874.0
10°	4428.4	4419.2	4474.3	4543.2	4658.1	4762.2	4895.4	4893.9	4990.3	4984.2	4769.8
12.5°	4145.1	4143.6	4186.4	4264.5	4399.3	4544.7	4725.4	4730.0	4849.5	4898.5	4681.0
15°	3906.2	3909.3	3950.6	4031.8	4171.1	4348.7	4558.5	4596.8	4731.6	4831.1	4593.7
17.5°	3736.2	3737.8	3762.3	3832.7	3969.0	4158.9	4411.5	4463.6	4636.6	4780.6	4523.3
20°	3658.1	3652.0	3656.6	3691.8	3797.5	3970.5	4261.5	4328.8	4549.3	4745.3	4459.0
22.5°	3668.9	3659.7	3638.2	3633.6	3681.1	3812.8	4102.2	4184.9	4454.4	4723.9	4400.8
25°	3763.8	3743.9	3713.3	3667.3	3649.0	3714.8	3962.9	4048.6	4365.6	4725.4	4356.4
27.5°	3909.3	3887.8	3849.6	3788.3	3716.3	3688.8	3867.9	3949.1	4302.8	4760.6	4335.0
30°	4094.6	4077.7	4041.0	3967.5	3871.0	3757.7	3848.0	3915.4	4272.2	4832.6	4344.1
32.5°	4313.5	4301.3	4270.6	4203.3	4093.0	3920.0	3915.4	3967.5	4296.7	4936.7	4379.4
35°	4524.8	4529.4	4531.0	4494.2	4376.3	4166.5	4100.7	4119.1	4397.7	5092.9	4459.0
37.5°	4753.0	4742.3	4797.4	4823.4	4710.1	4486.6	4387.0	4388.6	4590.7	5324.1	4609.1
40°	4926.0	4929.1	5048.5	5155.7	5108.2	4892.3	4749.9	4748.4	4887.7	5641.1	4851.0
42.5°	5088.3	5108.2	5284.3	5468.1	5533.9	5342.5	5239.9	5201.6	5304.2	6069.9	5213.9
45°	5261.4	5290.5	5537.0	5798.8	5971.9	5858.6	5777.4	5792.7	5805.0	6569.0	5702.4
47.5°	5463.5	5481.9	5786.6	6155.6	6478.7	6449.6	6454.2	6435.8	6429.7	7198.4	6348.5
50°	5708.5	5751.4	6102.0	6543.0	6984.0	7177.0	7241.3	7248.9	7149.4	7884.4	7017.7
52.5°	6229.1	6281.2	6581.3	6967.2	7535.3	7941.0	8202.9	8150.8	7997.7	8549.0	7751.2
55°	6843.1	6883.0	7172.4	7572.0	8209.0	8778.6	9400.3	9378.9	9003.7	9248.7	8354.5
57.5°	6901.3	6945.7	7394.4	8006.9	9074.2	9813.8	10467.6	10536.5	9986.8	9744.9	8893.5
60°	6247.5	6337.8	6950.3	7774.1	9404.9	11205.7	11637.5	11651.3	10708.0	10248.6	9551.9
62.5°	5007.2	5050.1	5667.1	6742.1	8895.0	12017.2	13424.4	13133.5	11634.4	11028.0	10594.7
65°	2624.6	2799.1	3336.6	4526.4	7213.7	11733.9	15574.3	15494.7	13300.4	12144.3	11406.3
67.5°	1800.7	1799.2	1926.3	2359.7	4301.3	10103.2	16629.3	17505.2	15226.7	12527.1	10818.3
70°	1370.5	1375.1	1488.4	1770.1	2228.0	6725.2	15471.7	16969.3	15585.0	11374.1	8749.5
72.5°	909.6	918.7	1107.1	1430.2	1779.3	3296.8	12023.4	13577.6	13113.6	9135.4	6158.7
75°	543.6	551.2	686.0	1039.7	1581.8	1845.2	7639.4	9386.5	9026.7	6296.5	3301.4
77.5°	223.6	229.7	352.2	647.7	1157.6	1433.2	4224.7	6141.8	5406.8	2503.6	901.9
80°	93.4	96.5	170.0	453.2	834.5	898.8	1956.9	2886.4	2215.7	539.0	275.6
82.5°	33.7	35.2	62.8	249.6	519.1	676.8	987.7	1140.8	624.7	176.1	148.5
85°	1.5	1.5	15.3	84.2	197.5	191.4	565.0	546.7	206.7	73.5	88.8
87.5°	0.0	0.0	1.5	1.5	3.1	7.7	53.6	94.9	44.4	18.4	38.3
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°	4990.3	4990.3	4990.3	4990.3	4990.3	4990.3	4990.3	4990.3	4990.3	4990.3	4990.3
2.5°	4958.2	4877.0	4788.2	4705.5	4573.8	4495.7	4399.3	4356.4	4295.1	4279.8	4289.0
5°	4857.1	4717.8	4504.9	4312.0	4062.4	3861.8	3659.7	3573.9	3463.7	3390.2	3359.6
7.5°	4714.7	4532.5	4200.2	3849.6	3506.6	3140.6	2861.9	2678.2	2511.2	2419.4	2401.0
10°	4570.8	4333.4	3857.2	3355.0	2823.6	2385.7	2009.0	1730.3	1503.7	1401.1	1321.5
12.5°	4422.2	4126.7	3508.1	2852.7	2235.6	1638.4	1172.9	901.9	739.6	675.3	686.0
15°	4286.0	3927.6	3162.0	2350.5	1574.1	989.2	647.7	546.7	508.4	496.1	494.6
17.5°	4155.8	3739.3	2817.5	1862.0	1038.2	606.4	496.1	471.6	460.9	454.8	454.8
20°	4037.9	3558.6	2480.6	1402.6	670.7	480.8	448.7	436.4	427.2	422.6	422.6
22.5°	3927.6	3384.1	2151.4	992.2	494.6	431.8	411.9	399.7	388.9	382.8	382.8
25°	3828.1	3226.3	1837.5	682.9	425.7	395.1	373.6	359.8	341.5	330.7	330.7
27.5°	3756.1	3085.5	1535.8	497.7	384.3	355.2	330.7	312.4	292.5	280.2	277.2
30°	3713.3	2966.0	1231.1	408.8	346.1	317.0	289.4	266.4	243.5	231.2	229.7
32.5°	3688.8	2855.8	952.4	356.8	313.9	280.2	249.6	225.1	202.1	188.3	186.8
35°	3698.0	2770.0	713.6	321.6	283.3	248.1	214.4	189.9	170.0	157.7	154.7
37.5°	3777.6	2731.7	535.9	294.0	257.2	220.5	185.3	162.3	143.9	134.7	133.2
40°	3932.2	2739.4	421.1	272.6	235.8	192.9	159.2	137.8	124.0	116.4	114.8
42.5°	4172.6	2803.7	347.6	254.2	212.8	168.4	137.8	121.0	107.2	99.5	98.0
45°	4531.0	2936.9	303.2	232.7	188.3	145.5	119.4	104.1	91.9	82.7	81.2
47.5°	5050.1	3168.1	274.1	212.8	166.9	125.6	102.6	87.3	76.6	68.9	67.4
50°	5602.8	3445.3	249.6	192.9	148.5	108.7	87.3	72.0	62.8	55.1	53.6
52.5°	6192.4	3743.9	231.2	174.6	131.7	93.4	73.5	59.7	50.5	42.9	41.3
55°	6758.9	4044.0	209.8	162.3	111.8	79.6	61.2	49.0	39.8	33.7	33.7
57.5°	7310.2	4319.6	186.8	142.4	91.9	67.4	50.5	39.8	32.2	27.6	26.0
60°	7968.6	4700.9	160.8	121.0	76.6	56.7	41.3	32.2	26.0	21.4	21.4
62.5°	8947.1	5097.5	137.8	101.1	64.3	47.5	33.7	26.0	21.4	18.4	16.8
65°	9267.1	4883.1	116.4	82.7	52.1	38.3	27.6	23.0	18.4	16.8	15.3
67.5°	8412.7	4002.7	96.5	67.4	42.9	32.2	24.5	19.9	16.8	15.3	13.8
70°	6564.5	2840.5	75.0	50.5	35.2	26.0	21.4	18.4	15.3	13.8	13.8
72.5°	4465.1	1679.8	59.7	38.3	29.1	23.0	18.4	16.8	15.3	13.8	12.2
75°	2198.9	597.2	45.9	29.1	23.0	19.9	16.8	15.3	13.8	12.2	12.2
77.5°	592.6	165.4	35.2	23.0	18.4	15.3	15.3	15.3	13.8	10.7	10.7
80°	200.6	68.9	26.0	16.8	15.3	12.2	10.7	13.8	12.2	10.7	9.2
82.5°	110.2	33.7	18.4	13.8	10.7	9.2	9.2	9.2	9.2	7.7	7.7
85°	70.4	18.4	12.2	10.7	10.7	7.7	6.1	6.1	4.6	4.6	4.6
87.5°	32.2	10.7	10.7	9.2	9.2	7.7	4.6	3.1	1.5	1.5	1.5
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)