

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: P637265

Luminaire Tested: GWS-SA4C-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637265
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-SA4C-740-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15721.9 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

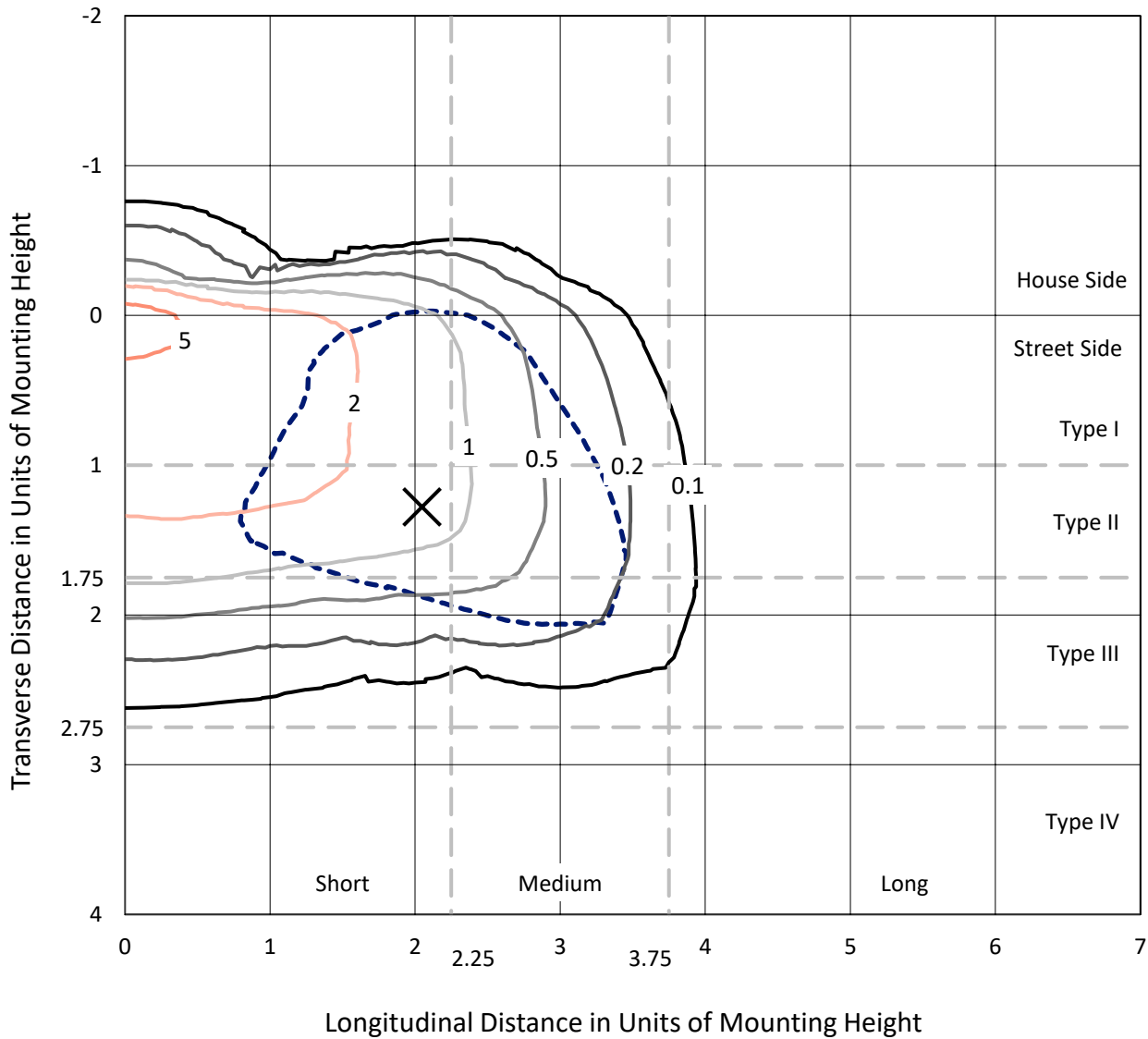
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

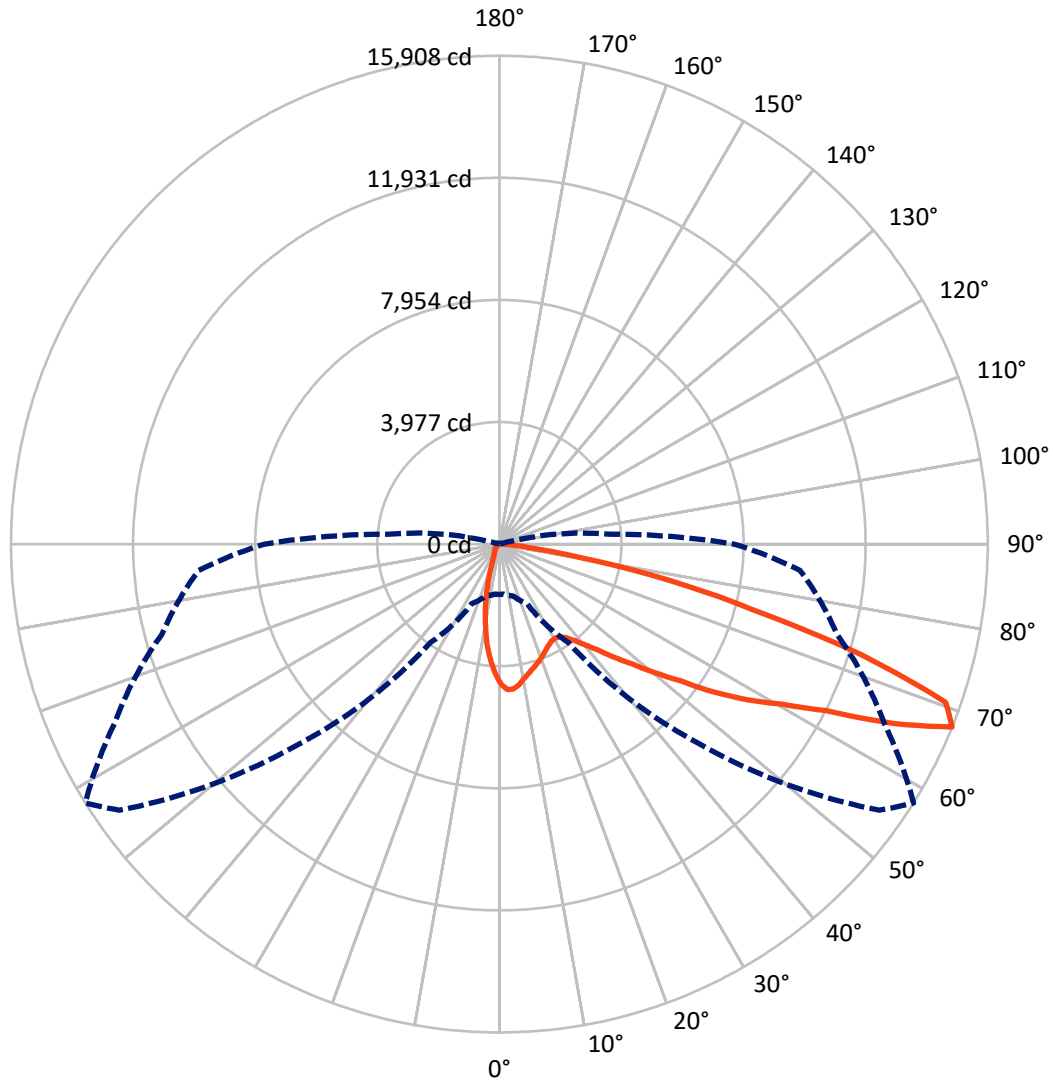
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	1535.9	0.0	1535.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	14186.0	0.0	14186.0
	% Fixture	90.2	0.0	90.2
Total	Lumens	15721.9	0.0	15721.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.5	2.3
10°-20°	767.1	4.9
20°-30°	1034.5	6.6
30°-40°	1453.7	9.2
40°-50°	2245.0	14.3
50°-60°	3590.1	22.8
60°-70°	4251.0	27.0
70°-80°	1880.5	12.0
80°-90°	131.5	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°	15721.9	100.0
0°-180°	15721.9	100.0

Coefficient of Utilization



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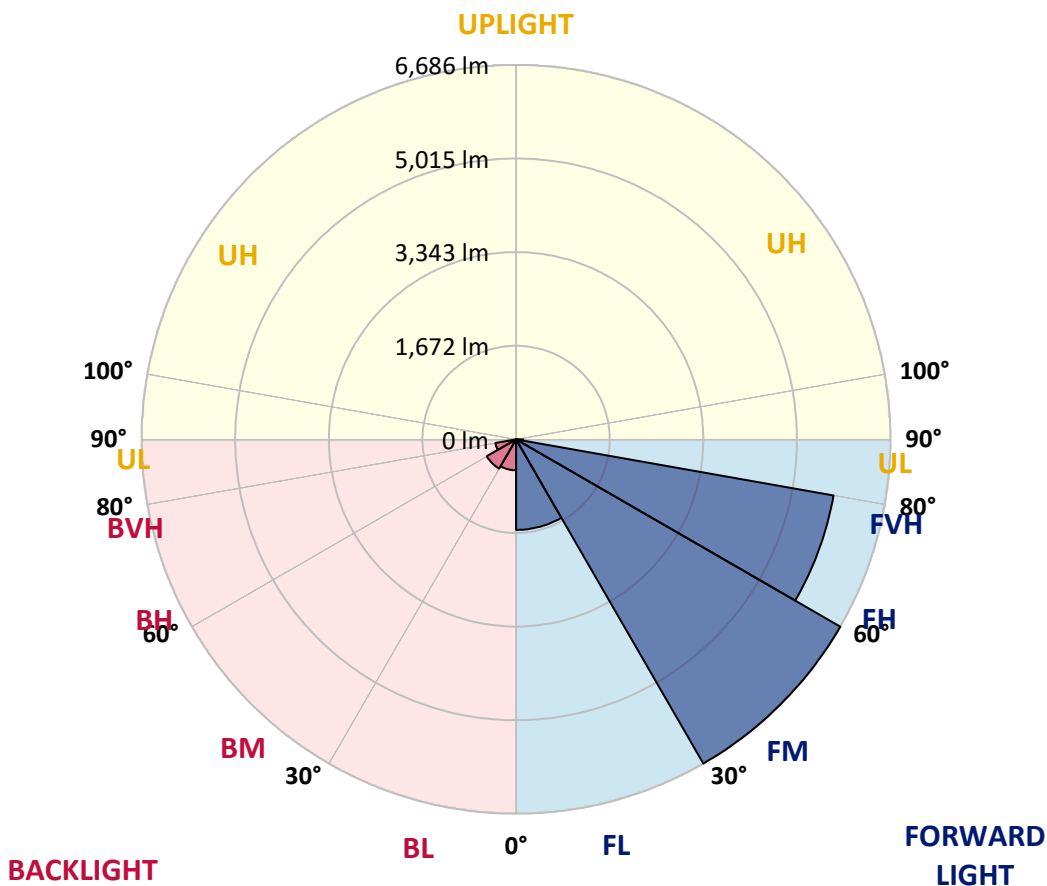
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1617.4	10.3			
FM (30°-60°)	6686.2	42.5			
FH (60°-80°)	5756.5	36.6			G3/7500
FVH (80°-90°)	125.9	0.8			G2/225
BL (0°-30°)	552.7	3.5	B2/1000		
BM (30°-60°)	602.6	3.8	B1/1000		
BH (60°-80°)	375.0	2.4	B1/500		G1/500
BVH (80°-90°)	5.6	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°	4534.9	4534.9	4534.9	4534.9	4534.9	4534.9	4534.9	4534.9	4534.9	4534.9	4534.9
2.5°	4770.1	4778.4	4789.6	4803.5	4800.7	4788.2	4772.9	4738.1	4715.8	4646.3	4561.4
5°	4617.0	4615.6	4643.5	4669.9	4717.2	4742.3	4777.1	4745.1	4733.9	4650.4	4512.7
7.5°	4317.9	4333.2	4365.2	4406.9	4475.1	4548.8	4632.3	4622.6	4656.0	4600.3	4429.2
10°	4024.2	4015.9	4066.0	4128.6	4233.0	4327.6	4448.7	4447.3	4534.9	4529.4	4334.6
12.5°	3766.8	3765.4	3804.4	3875.4	3997.8	4130.0	4294.2	4298.4	4406.9	4451.4	4253.8
15°	3549.7	3552.5	3590.1	3663.8	3790.5	3951.9	4142.5	4177.3	4299.8	4390.2	4174.5
17.5°	3395.3	3396.7	3418.9	3483.0	3606.8	3779.3	4008.9	4056.3	4213.5	4344.3	4110.5
20°	3324.3	3318.8	3322.9	3354.9	3450.9	3608.2	3872.6	3933.8	4134.2	4312.3	4052.1
22.5°	3334.1	3325.7	3306.2	3302.1	3345.2	3464.9	3727.9	3803.0	4047.9	4292.8	3999.2
25°	3420.3	3402.2	3374.4	3332.7	3316.0	3375.8	3601.2	3679.2	3967.2	4294.2	3958.8
27.5°	3552.5	3533.0	3498.3	3442.6	3377.2	3352.1	3515.0	3588.7	3910.1	4326.2	3939.4
30°	3720.9	3705.6	3672.2	3605.4	3517.7	3414.8	3496.9	3558.1	3882.3	4391.6	3947.7
32.5°	3919.9	3908.8	3880.9	3819.7	3719.5	3562.3	3558.1	3605.4	3904.6	4486.2	3979.7
35°	4111.9	4116.1	4117.5	4084.1	3976.9	3786.3	3726.5	3743.2	3996.4	4628.2	4052.1
37.5°	4319.2	4309.5	4359.6	4383.3	4280.3	4077.1	3986.7	3988.1	4171.7	4838.3	4188.4
40°	4476.5	4479.3	4587.8	4685.2	4642.1	4445.9	4316.5	4315.1	4441.7	5126.3	4408.3
42.5°	4624.0	4642.1	4802.1	4969.1	5028.9	4855.0	4761.8	4727.0	4820.2	5515.9	4738.1
45°	4781.2	4807.7	5031.7	5269.7	5426.9	5323.9	5250.2	5264.1	5275.2	5969.6	5182.0
47.5°	4964.9	4981.6	5258.5	5593.9	5887.5	5861.0	5865.2	5848.5	5843.0	6541.5	5769.2
50°	5187.6	5226.5	5545.2	5945.9	6346.7	6522.0	6580.5	6587.4	6497.0	7164.9	6377.3
52.5°	5660.7	5708.0	5980.7	6331.4	6847.6	7216.4	7454.3	7407.0	7267.9	7768.8	7043.8
55°	6218.7	6254.8	6517.8	6881.0	7459.9	7977.5	8542.5	8523.0	8182.1	8404.7	7592.1
57.5°	6271.5	6311.9	6719.6	7276.2	8246.1	8918.2	9512.4	9575.0	9075.4	8855.6	8081.9
60°	5677.4	5759.5	6316.1	7064.7	8546.7	10183.1	10575.5	10588.0	9730.8	9313.4	8680.2
62.5°	4550.2	4589.2	5150.0	6126.8	8083.3	10920.6	12199.4	11935.0	10572.7	10021.7	9627.9
65°	2385.0	2543.7	3032.1	4113.3	6555.4	10663.1	14153.1	14080.7	12086.7	11036.1	10365.4
67.5°	1636.4	1635.0	1750.5	2144.3	3908.8	9181.2	15111.8	15907.8	13837.2	11384.0	9831.0
70°	1245.4	1249.6	1352.5	1608.6	2024.6	6111.5	14059.8	15420.7	14162.8	10336.1	7951.1
72.5°	826.6	834.9	1006.1	1299.7	1616.9	2995.9	10926.1	12338.5	11916.9	8301.8	5596.7
75°	494.0	500.9	623.4	944.8	1437.4	1676.8	6942.2	8530.0	8203.0	5721.9	3000.1
77.5°	203.2	208.7	320.0	588.6	1052.0	1302.5	3839.2	5581.4	4913.4	2275.1	819.6
80°	84.9	87.7	154.5	411.9	758.4	816.8	1778.4	2623.0	2013.5	489.8	250.5
82.5°	30.6	32.0	57.1	226.8	471.7	615.0	897.5	1036.7	567.7	160.0	135.0
85°	1.4	1.4	13.9	76.5	179.5	173.9	513.5	496.8	187.9	66.8	80.7
87.5°	0.0	0.0	1.4	1.4	2.8	7.0	48.7	86.3	40.4	16.7	34.8
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°	4534.9	4534.9	4534.9	4534.9	4534.9	4534.9	4534.9	4534.9	4534.9	4534.9	4534.9
2.5°	4505.7	4432.0	4351.3	4276.1	4156.4	4085.5	3997.8	3958.8	3903.2	3889.3	3897.6
5°	4413.9	4287.2	4093.8	3918.5	3691.7	3509.4	3325.7	3247.8	3147.6	3080.8	3053.0
7.5°	4284.5	4118.9	3816.9	3498.3	3186.6	2854.0	2600.7	2433.8	2282.1	2198.6	2181.9
10°	4153.7	3938.0	3505.2	3048.8	2565.9	2168.0	1825.7	1572.4	1366.5	1273.2	1200.9
12.5°	4018.7	3750.1	3188.0	2592.4	2031.6	1488.9	1065.9	819.6	672.1	613.7	623.4
15°	3894.8	3569.2	2873.5	2136.0	1430.5	898.9	588.6	496.8	462.0	450.8	449.5
17.5°	3776.6	3398.1	2560.4	1692.1	943.4	551.0	450.8	428.6	418.8	413.3	413.3
20°	3669.4	3233.9	2254.2	1274.6	609.5	436.9	407.7	396.6	388.2	384.1	384.1
22.5°	3569.2	3075.2	1955.1	901.7	449.5	392.4	374.3	363.2	353.4	347.9	347.9
25°	3478.8	2931.9	1669.8	620.6	386.8	359.0	339.5	327.0	310.3	300.6	300.6
27.5°	3413.4	2803.9	1395.7	452.2	349.3	322.8	300.6	283.9	265.8	254.6	251.9
30°	3374.4	2695.4	1118.8	371.5	314.5	288.0	263.0	242.1	221.3	210.1	208.7
32.5°	3352.1	2595.2	865.5	324.2	285.3	254.6	226.8	204.6	183.7	171.2	169.8
35°	3360.5	2517.2	648.4	292.2	257.4	225.4	194.8	172.5	154.5	143.3	140.5
37.5°	3432.9	2482.5	487.0	267.2	233.8	200.4	168.4	147.5	130.8	122.5	121.1
40°	3573.4	2489.4	382.7	247.7	214.3	175.3	144.7	125.2	112.7	105.8	104.4
42.5°	3791.9	2547.9	315.9	231.0	193.4	153.1	125.2	109.9	97.4	90.4	89.1
45°	4117.5	2668.9	275.5	211.5	171.2	132.2	108.5	94.6	83.5	75.1	73.8
47.5°	4589.2	2879.0	249.1	193.4	151.7	114.1	93.2	79.3	69.6	62.6	61.2
50°	5091.5	3130.9	226.8	175.3	135.0	98.8	79.3	65.4	57.1	50.1	48.7
52.5°	5627.3	3402.2	210.1	158.6	119.7	84.9	66.8	54.3	45.9	39.0	37.6
55°	6142.1	3675.0	190.6	147.5	101.6	72.4	55.7	44.5	36.2	30.6	30.6
57.5°	6643.1	3925.5	169.8	129.4	83.5	61.2	45.9	36.2	29.2	25.0	23.7
60°	7241.4	4271.9	146.1	109.9	69.6	51.5	37.6	29.2	23.7	19.5	19.5
62.5°	8130.6	4632.3	125.2	91.8	58.4	43.1	30.6	23.7	19.5	16.7	15.3
65°	8421.4	4437.5	105.8	75.1	47.3	34.8	25.0	20.9	16.7	15.3	13.9
67.5°	7645.0	3637.4	87.7	61.2	39.0	29.2	22.3	18.1	15.3	13.9	12.5
70°	5965.4	2581.3	68.2	45.9	32.0	23.7	19.5	16.7	13.9	12.5	12.5
72.5°	4057.6	1526.5	54.3	34.8	26.4	20.9	16.7	15.3	13.9	12.5	11.1
75°	1998.2	542.7	41.7	26.4	20.9	18.1	15.3	13.9	12.5	11.1	11.1
77.5°	538.5	150.3	32.0	20.9	16.7	13.9	13.9	13.9	12.5	9.7	9.7
80°	182.3	62.6	23.7	15.3	13.9	11.1	9.7	12.5	11.1	9.7	8.3
82.5°	100.2	30.6	16.7	12.5	9.7	8.3	8.3	8.3	8.3	7.0	7.0
85°	64.0	16.7	11.1	9.7	9.7	7.0	5.6	5.6	4.2	4.2	4.2
87.5°	29.2	9.7	9.7	8.3	8.3	7.0	4.2	2.8	1.4	1.4	1.4
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)