

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: P642266

Luminaire Tested: GWS-SA6C-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23024.8 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

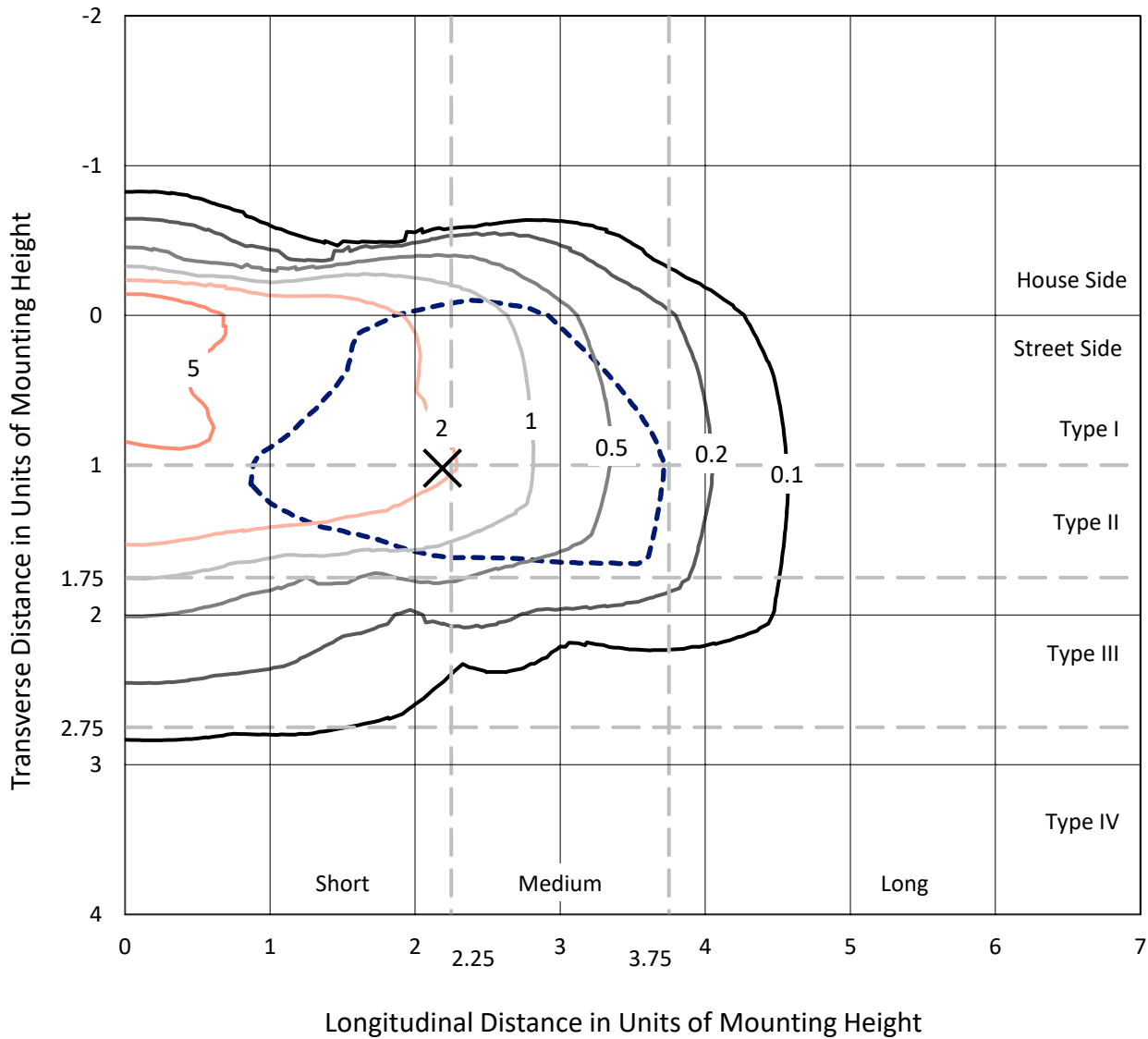
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

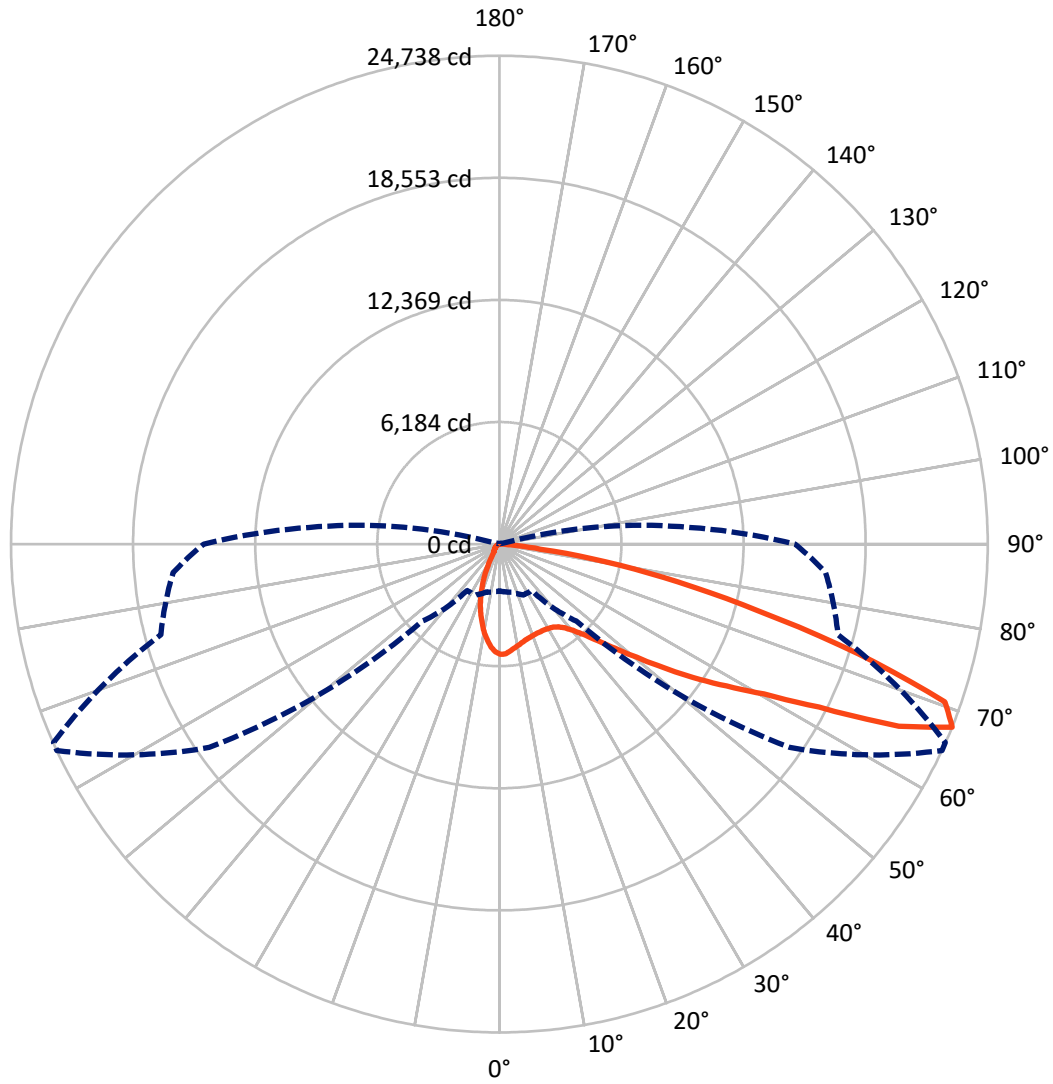
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2875.1	0.0	2875.1
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	20149.7	0.0	20149.7
	% Fixture	87.5	0.0	87.5
Total	Lumens	23024.8	0.0	23024.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.8	2.0
10°-20°	1042.6	4.5
20°-30°	1489.8	6.5
30°-40°	2167.5	9.4
40°-50°	3394.6	14.7
50°-60°	5295.8	23.0
60°-70°	5817.1	25.3
70°-80°	3095.8	13.4
80°-90°	257.7	1.1
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°	23024.8	100.0
0°-180°	23024.8	100.0

Coefficient of Utilization



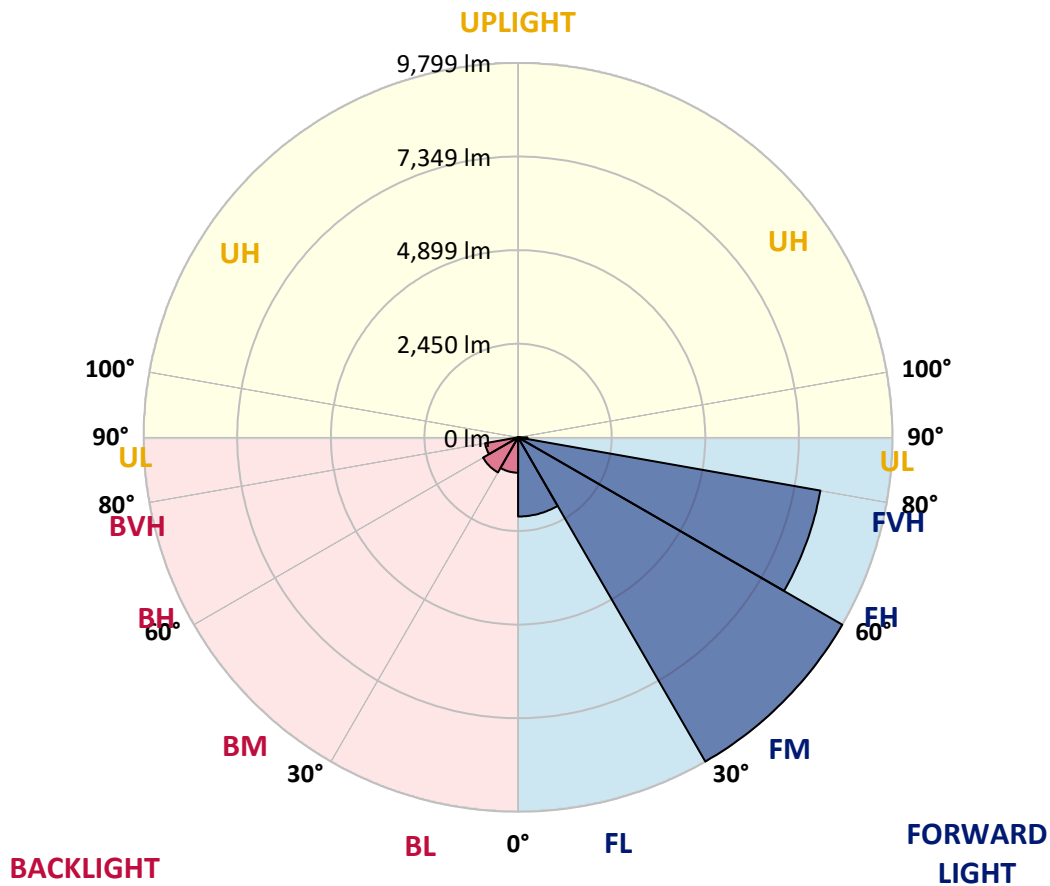
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2072.1	9.0			
FM (30°-60°)	9798.9	42.6			
FH (60°-80°)	8034.8	34.9			G4/12000
FVH (80°-90°)	244.0	1.1			G3/500
BL (0°-30°)	924.1	4.0	B2/1000		
BM (30°-60°)	1059.0	4.6	B2/2500		
BH (60°-80°)	878.2	3.8	B2/1000		G2/1000
BVH (80°-90°)	13.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5584.2	5584.2	5584.2	5584.2	5584.2	5584.2	5584.2	5584.2	5584.2	5584.2	5584.2
2.5°	5390.6	5407.3	5384.4	5440.6	5451.0	5513.4	5548.8	5573.8	5571.7	5603.0	5603.0
5°	5074.1	5090.8	5078.3	5138.7	5186.6	5284.4	5365.6	5459.3	5463.5	5559.3	5594.6
7.5°	4805.5	4807.6	4807.6	4882.6	4945.0	5065.8	5186.6	5330.2	5346.9	5494.7	5588.4
10°	4584.8	4591.1	4593.2	4678.5	4747.2	4893.0	5047.1	5219.9	5238.6	5438.5	5584.2
12.5°	4432.8	4434.9	4443.2	4532.8	4607.7	4759.7	4915.9	5113.7	5138.7	5373.9	5565.5
15°	4360.0	4355.8	4360.0	4434.9	4509.9	4655.6	4815.9	5028.3	5055.4	5319.8	5567.6
17.5°	4355.8	4349.5	4345.4	4401.6	4449.5	4578.6	4741.0	4972.1	5001.2	5294.8	5590.5
20°	4416.2	4412.0	4391.2	4416.2	4426.6	4532.8	4693.1	4928.4	4957.5	5290.7	5640.5
22.5°	4574.4	4564.0	4532.8	4509.9	4453.6	4516.1	4659.8	4897.1	4930.5	5301.1	5705.0
25°	4809.7	4805.5	4766.0	4709.7	4566.1	4541.1	4661.9	4897.1	4928.4	5313.6	5773.7
27.5°	5163.7	5138.7	5088.7	4990.8	4784.7	4639.0	4703.5	4909.6	4940.9	5330.2	5829.9
30°	5523.9	5521.8	5505.1	5405.2	5099.1	4826.3	4791.0	4942.9	4972.1	5344.8	5882.0
32.5°	5896.6	5902.8	5944.4	5867.4	5532.2	5105.4	4949.2	5011.7	5032.5	5373.9	5927.8
35°	6250.5	6263.0	6373.4	6400.4	6059.0	5528.0	5207.4	5149.1	5151.2	5438.5	5988.2
37.5°	6589.9	6631.5	6808.5	6939.7	6714.8	6040.2	5580.1	5382.3	5365.6	5567.6	6079.8
40°	6975.1	7054.2	7277.0	7499.8	7429.0	6716.9	6088.1	5740.4	5705.0	5804.9	6244.3
42.5°	7401.9	7487.3	7783.0	8095.3	8128.6	7535.2	6723.2	6263.0	6202.6	6204.7	6552.4
45°	7860.0	7974.5	8318.1	8767.8	8969.8	8447.2	7506.0	6968.8	6908.5	6818.9	7048.0
47.5°	8461.7	8561.7	8892.7	9411.2	9798.4	9425.7	8532.5	7876.7	7766.3	7635.1	7818.4
50°	8980.2	9067.6	9352.9	10002.5	10808.3	10687.5	9696.4	9011.4	8905.2	8682.4	8834.4
52.5°	9094.7	9163.4	9425.7	10156.6	11580.7	12280.3	11122.7	10383.5	10308.6	9896.3	9954.6
55°	8580.4	8684.5	8919.8	9731.8	11782.7	13837.8	12973.7	11930.5	11774.4	11116.4	11220.5
57.5°	7281.2	7466.5	7687.2	8742.8	11235.1	14666.4	15559.7	13569.2	13427.6	12290.7	12292.8
60°	5336.5	5486.4	5634.2	6600.3	9935.9	14610.2	17906.2	15409.8	15151.6	13250.6	13215.2
62.5°	3881.1	3958.1	3956.0	4299.6	6823.1	13648.3	19138.8	18183.1	17581.4	14277.1	14075.1
65°	3052.4	3050.3	3139.8	3252.3	3810.3	10535.5	19290.8	22232.9	21583.2	15653.4	15232.8
67.5°	2375.7	2421.5	2511.0	2842.1	2862.9	5513.4	17954.1	24737.6	24725.1	17754.2	16588.2
70°	1832.3	1894.7	2021.7	2504.8	2644.3	3085.7	13433.8	23944.4	24146.3	18693.3	15628.4
72.5°	1176.4	1172.2	1359.6	2023.8	2540.2	2571.4	7429.0	19020.1	19249.2	16931.8	12636.4
75°	657.9	662.1	768.3	1238.9	2367.4	2419.4	3679.1	13562.9	13744.1	13200.6	9708.9
77.5°	258.2	266.5	360.2	651.7	1561.6	2161.2	2186.2	9248.8	9275.8	8180.6	5954.9
80°	104.1	110.4	183.2	403.9	951.5	1455.4	1561.6	5448.9	5338.5	3166.9	1732.3
82.5°	31.2	33.3	72.9	229.0	497.6	1034.8	1053.6	2090.4	1973.8	680.9	441.4
85°	2.1	2.1	16.7	70.8	177.0	260.3	701.7	680.9	603.8	170.7	195.7
87.5°	0.0	0.0	2.1	2.1	4.2	8.3	75.0	124.9	127.0	31.2	87.4
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°	5584.2	5584.2	5584.2	5584.2	5584.2	5584.2	5584.2	5584.2	5584.2	5584.2	5584.2
2.5°	5603.0	5528.0	5521.8	5463.5	5405.2	5332.3	5246.9	5184.5	5140.7	5063.7	5049.1
5°	5594.6	5494.7	5401.0	5234.4	5049.1	4849.3	4674.4	4511.9	4409.9	4341.2	4312.1
7.5°	5578.0	5451.0	5234.4	4920.0	4609.8	4260.0	3987.3	3737.4	3566.7	3466.7	3423.0
10°	5565.5	5394.8	5042.9	4566.1	4085.1	3602.1	3187.7	2817.1	2611.0	2448.6	2421.5
12.5°	5540.5	5313.6	4797.2	4151.7	3531.3	2890.0	2361.1	1907.2	1592.8	1451.2	1401.3
15°	5515.5	5228.2	4551.5	3714.5	2927.5	2136.3	1495.0	1057.7	841.2	774.5	770.4
17.5°	5511.4	5151.2	4285.0	3300.2	2294.5	1399.2	851.6	685.0	639.2	622.6	622.6
20°	5523.9	5086.6	4022.7	2823.4	1671.9	851.6	635.0	593.4	566.3	551.8	551.8
22.5°	5536.4	5020.0	3770.7	2342.4	1109.8	622.6	560.1	524.7	493.5	476.8	468.5
25°	5544.7	4947.1	3491.7	1859.3	724.6	541.4	491.4	445.6	408.1	387.3	387.3
27.5°	5542.6	4859.7	3210.6	1386.7	562.2	481.0	420.6	372.7	335.2	312.3	314.4
30°	5525.9	4763.9	2919.1	968.2	491.4	420.6	360.2	310.2	272.8	254.0	251.9
32.5°	5513.4	4661.9	2581.8	680.9	441.4	368.5	306.1	258.2	227.0	212.4	210.3
35°	5498.9	4561.9	2261.2	518.4	397.7	318.6	258.2	218.6	193.6	181.1	181.1
37.5°	5503.0	4457.8	1913.5	445.6	354.0	276.9	220.7	187.4	166.6	154.1	152.0
40°	5567.6	4395.4	1572.0	403.9	314.4	239.4	191.6	162.4	141.6	129.1	127.0
42.5°	5727.9	4397.4	1245.1	372.7	279.0	204.0	166.6	139.5	120.8	106.2	104.1
45°	6048.6	4484.9	955.7	339.4	241.5	177.0	143.7	118.7	99.9	87.4	85.4
47.5°	6573.2	4745.1	724.6	310.2	210.3	154.1	122.8	99.9	83.3	72.9	70.8
50°	7408.2	5215.7	570.5	274.8	177.0	133.3	104.1	83.3	68.7	58.3	56.2
52.5°	8411.8	5921.5	489.3	243.6	152.0	116.6	89.5	68.7	56.2	47.9	45.8
55°	9565.2	6764.8	451.8	212.4	129.1	99.9	72.9	56.2	45.8	39.6	35.4
57.5°	10623.0	7524.8	449.7	181.1	110.4	85.4	60.4	47.9	39.6	31.2	29.1
60°	11653.6	8159.8	422.7	149.9	95.8	70.8	52.1	39.6	33.3	27.1	25.0
62.5°	12588.5	8676.2	354.0	120.8	81.2	58.3	43.7	35.4	29.1	22.9	22.9
65°	13762.8	9334.1	270.7	97.9	66.6	47.9	37.5	31.2	27.1	20.8	20.8
67.5°	14976.7	9681.8	193.6	81.2	54.1	41.6	33.3	29.1	22.9	18.7	18.7
70°	13565.0	8180.6	139.5	66.6	45.8	35.4	29.1	27.1	22.9	18.7	16.7
72.5°	10593.8	5898.6	104.1	52.1	39.6	33.3	27.1	25.0	20.8	16.7	16.7
75°	7855.8	3439.7	79.1	41.6	31.2	27.1	27.1	25.0	20.8	16.7	14.6
77.5°	4270.4	1199.3	60.4	33.3	25.0	20.8	22.9	22.9	18.7	14.6	12.5
80°	1130.6	329.0	41.6	25.0	20.8	16.7	16.7	20.8	16.7	12.5	12.5
82.5°	329.0	95.8	29.1	20.8	16.7	14.6	14.6	14.6	12.5	10.4	8.3
85°	160.3	35.4	20.8	16.7	14.6	12.5	10.4	10.4	8.3	6.2	6.2
87.5°	70.8	14.6	16.7	14.6	14.6	10.4	8.3	6.2	6.2	4.2	2.1
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)