

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: P636381

Luminaire Tested: GWS-SA3F-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636381
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-SA3F-760-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19554.8 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

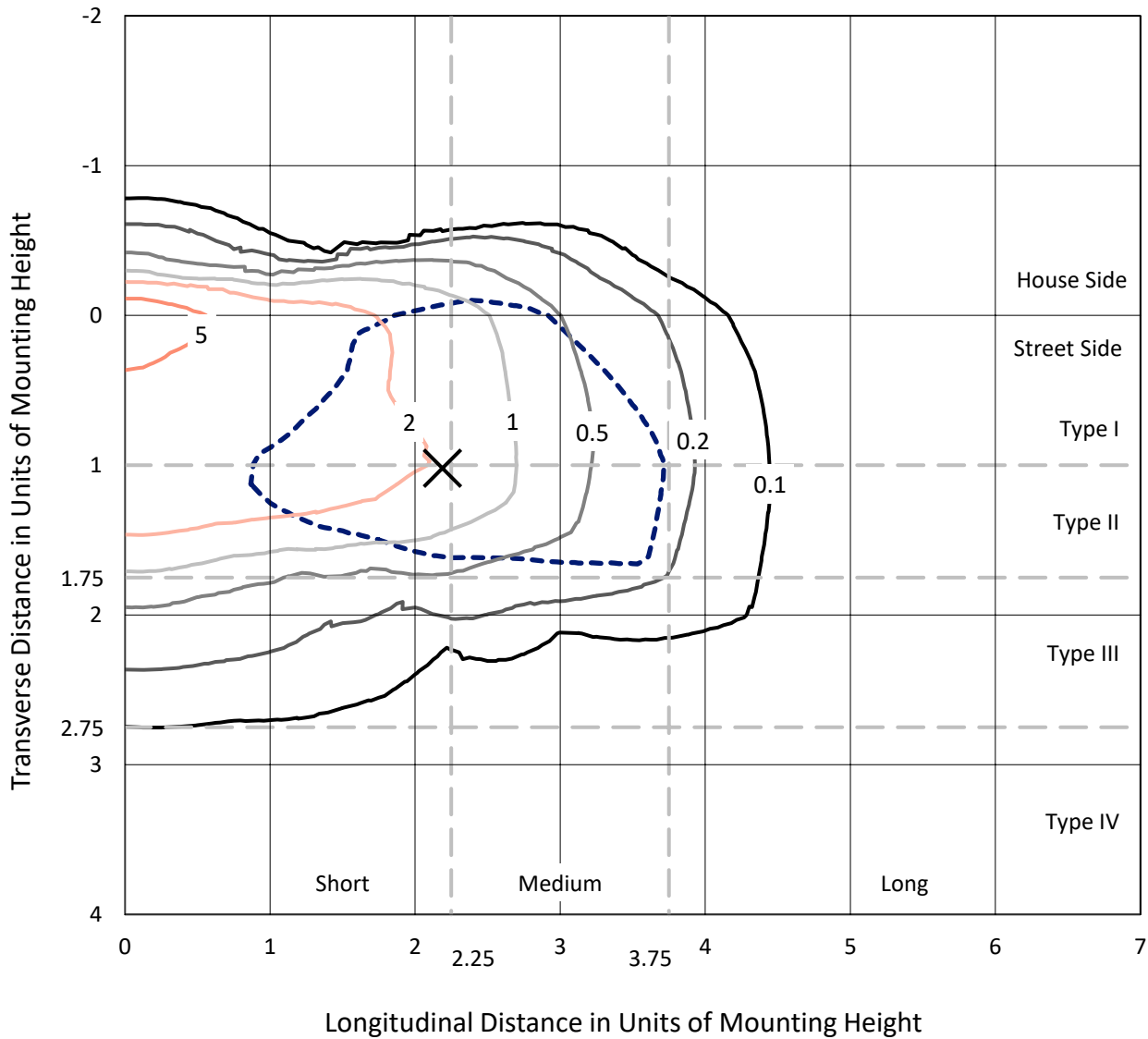
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

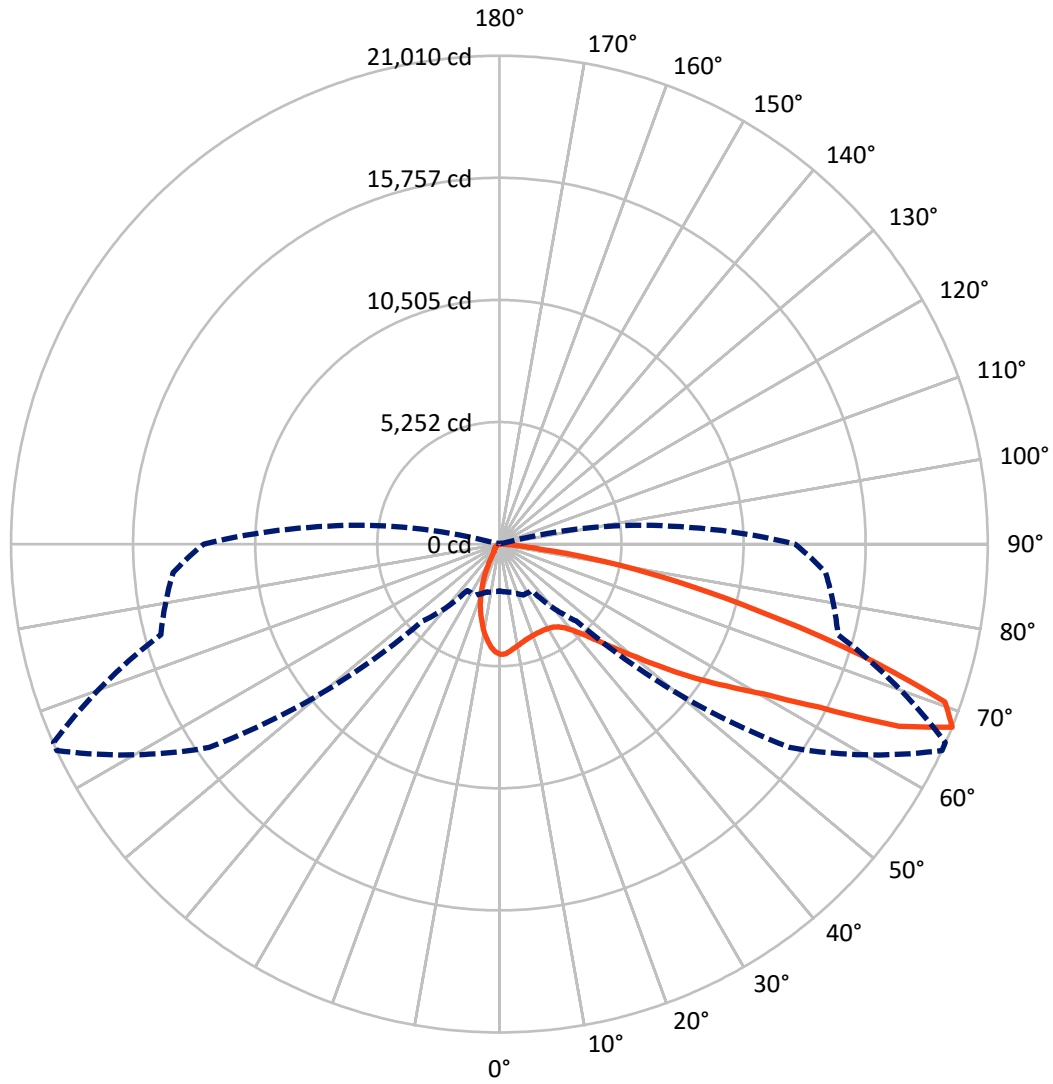
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	2441.8	0.0	2441.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	17113.0	0.0	17113.0
	% Fixture	87.5	0.0	87.5
Total	Lumens	19554.8	0.0	19554.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.9	2.0
10°-20°	885.5	4.5
20°-30°	1265.3	6.5
30°-40°	1840.8	9.4
40°-50°	2883.1	14.7
50°-60°	4497.7	23.0
60°-70°	4940.4	25.3
70°-80°	2629.3	13.4
80°-90°	218.9	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°	19554.8	100.0
0°-180°	19554.8	100.0

Coefficient of Utilization

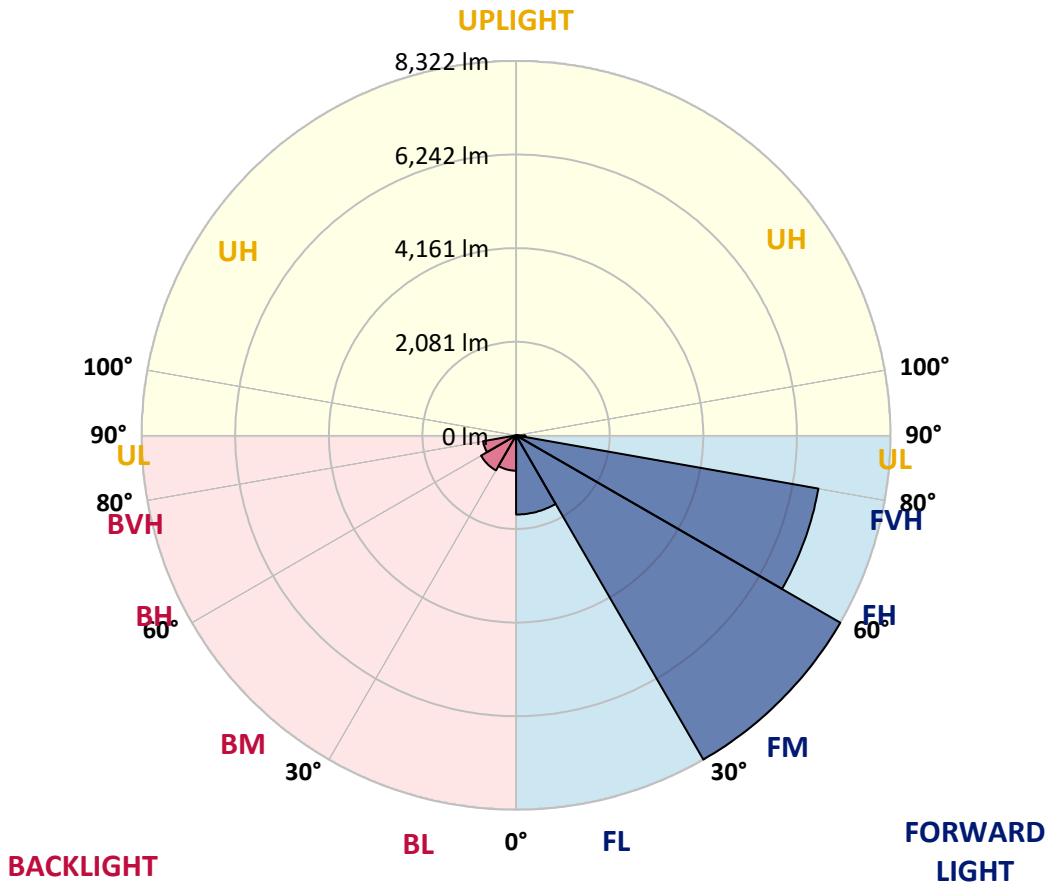


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1759.8	9.0			
FM (30°-60°)	8322.1	42.6			
FH (60°-80°)	6823.9	34.9			G3/7500
FVH (80°-90°)	207.2	1.1			G2/225
BL (0°-30°)	784.8	4.0	B2/1000		
BM (30°-60°)	899.4	4.6	B1/1000		
BH (60°-80°)	745.8	3.8	B2/1000		G2/1000
BVH (80°-90°)	11.7	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-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7
2.5°	4578.2	4592.3	4572.9	4620.6	4629.5	4682.5	4712.6	4733.8	4732.0	4758.6	4758.6
5°	4309.4	4323.6	4313.0	4364.2	4404.9	4488.0	4557.0	4636.6	4640.1	4721.4	4751.5
7.5°	4081.3	4083.1	4083.1	4146.7	4199.8	4302.3	4404.9	4526.9	4541.1	4666.6	4746.2
10°	3893.9	3899.2	3900.9	3973.4	4031.8	4155.6	4286.4	4433.2	4449.1	4618.9	4742.7
12.5°	3764.8	3766.5	3773.6	3849.6	3913.3	4042.4	4175.0	4343.0	4364.2	4564.1	4726.7
15°	3702.9	3699.3	3702.9	3766.5	3830.2	3954.0	4090.1	4270.5	4293.5	4518.1	4728.5
17.5°	3699.3	3694.0	3690.5	3738.2	3778.9	3888.6	4026.5	4222.8	4247.5	4496.9	4748.0
20°	3750.6	3747.1	3729.4	3750.6	3759.5	3849.6	3985.8	4185.6	4210.4	4493.3	4790.4
22.5°	3885.0	3876.2	3849.6	3830.2	3782.5	3835.5	3957.5	4159.1	4187.4	4502.2	4845.2
25°	4084.8	4081.3	4047.7	4000.0	3877.9	3856.7	3959.3	4159.1	4185.6	4512.8	4903.6
27.5°	4385.5	4364.2	4321.8	4238.7	4063.6	3939.8	3994.7	4169.7	4196.2	4526.9	4951.3
30°	4691.4	4689.6	4675.5	4590.6	4330.6	4099.0	4068.9	4198.0	4222.8	4539.3	4995.5
32.5°	5007.9	5013.2	5048.6	4983.1	4698.4	4335.9	4203.3	4256.4	4274.0	4564.1	5034.4
35°	5308.5	5319.1	5412.9	5435.8	5145.8	4694.9	4422.6	4373.1	4374.8	4618.9	5085.7
37.5°	5596.8	5632.1	5782.4	5893.8	5702.9	5129.9	4739.1	4571.1	4557.0	4728.5	5163.5
40°	5923.9	5991.1	6180.3	6369.5	6309.4	5704.6	5170.6	4875.3	4845.2	4930.1	5303.2
42.5°	6286.4	6358.9	6610.0	6875.3	6903.6	6399.6	5709.9	5319.1	5267.8	5269.6	5564.9
45°	6675.4	6772.7	7064.5	7446.4	7618.0	7174.1	6374.8	5918.6	5867.3	5791.3	5985.8
47.5°	7186.5	7271.4	7552.5	7992.8	8321.8	8005.2	7246.6	6689.6	6595.9	6484.5	6640.1
50°	7626.8	7701.1	7943.3	8495.0	9179.4	9076.8	8235.1	7653.3	7563.1	7373.9	7503.0
52.5°	7724.1	7782.4	8005.2	8625.9	9835.4	10429.6	9446.4	8818.7	8755.0	8404.9	8454.4
55°	7287.3	7375.7	7575.5	8265.2	10007.0	11752.3	11018.5	10132.5	9999.9	9441.1	9529.5
57.5°	6183.8	6341.2	6528.7	7425.2	9541.9	12456.1	13214.7	11524.2	11403.9	10438.4	10440.2
60°	4532.2	4659.5	4785.1	5605.6	8438.5	12408.4	15207.6	13087.4	12868.1	11253.6	11223.6
62.5°	3296.2	3361.6	3359.8	3651.6	5794.8	11591.4	16254.5	15442.8	14931.8	12125.4	11953.9
65°	2592.4	2590.6	2666.6	2762.1	3236.0	8947.7	16383.6	18882.2	18330.5	13294.3	12937.1
67.5°	2017.7	2056.6	2132.6	2413.8	2431.5	4682.5	15248.3	21009.5	20998.9	15078.5	14088.3
70°	1556.1	1609.2	1717.0	2127.3	2245.8	2620.7	11409.3	20335.8	20507.3	15876.0	13273.1
72.5°	999.1	995.6	1154.7	1718.8	2157.4	2183.9	6309.4	16153.7	16348.2	14380.0	10732.0
75°	558.8	562.3	652.5	1052.2	2010.6	2054.8	3124.6	11518.9	11672.7	11211.2	8245.7
77.5°	219.3	226.3	305.9	553.5	1326.2	1835.5	1856.7	7854.9	7877.9	6947.8	5057.4
80°	88.4	93.7	155.6	343.1	808.1	1236.1	1326.2	4627.7	4534.0	2689.6	1471.2
82.5°	26.5	28.3	61.9	194.5	422.6	878.9	894.8	1775.4	1676.4	578.2	374.9
85°	1.8	1.8	14.1	60.1	150.3	221.0	595.9	578.2	512.8	145.0	166.2
87.5°	0.0	0.0	1.8	1.8	3.5	7.1	63.7	106.1	107.9	26.5	74.3
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°	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7
2.5°	4758.6	4694.9	4689.6	4640.1	4590.6	4528.7	4456.2	4403.1	4366.0	4300.6	4288.2
5°	4751.5	4666.6	4587.0	4445.6	4288.2	4118.4	3969.9	3832.0	3745.3	3687.0	3662.2
7.5°	4737.4	4629.5	4445.6	4178.6	3915.1	3618.0	3386.3	3174.1	3029.1	2944.3	2907.1
10°	4726.7	4581.7	4282.9	3877.9	3469.5	3059.2	2707.3	2392.5	2217.5	2079.6	2056.6
12.5°	4705.5	4512.8	4074.2	3526.0	2999.1	2454.4	2005.3	1619.8	1352.8	1232.5	1190.1
15°	4684.3	4440.3	3865.6	3154.7	2486.3	1814.3	1269.7	898.3	714.4	657.8	654.3
17.5°	4680.8	4374.8	3639.2	2802.8	1948.7	1188.3	723.2	581.8	542.9	528.7	528.7
20°	4691.4	4320.0	3416.4	2397.9	1420.0	723.2	539.3	504.0	481.0	468.6	468.6
22.5°	4702.0	4263.4	3202.4	1989.4	942.5	528.7	475.7	445.6	419.1	404.9	397.9
25°	4709.1	4201.5	2965.5	1579.1	615.4	459.8	417.3	378.4	346.6	328.9	328.9
27.5°	4707.3	4127.3	2726.8	1177.7	477.4	408.5	357.2	316.5	284.7	265.2	267.0
30°	4693.1	4045.9	2479.2	822.3	417.3	357.2	305.9	263.5	231.7	215.7	214.0
32.5°	4682.5	3959.3	2192.7	578.2	374.9	313.0	259.9	219.3	192.7	180.4	178.6
35°	4670.2	3874.4	1920.4	440.3	337.8	270.6	219.3	185.7	164.5	153.8	153.8
37.5°	4673.7	3786.0	1625.1	378.4	300.6	235.2	187.4	159.1	141.5	130.9	129.1
40°	4728.5	3732.9	1335.1	343.1	267.0	203.4	162.7	137.9	120.2	109.6	107.9
42.5°	4864.7	3734.7	1057.5	316.5	237.0	173.3	141.5	118.5	102.6	90.2	88.4
45°	5137.0	3809.0	811.7	288.2	205.1	150.3	122.0	100.8	84.9	74.3	72.5
47.5°	5582.6	4030.0	615.4	263.5	178.6	130.9	104.3	84.9	70.7	61.9	60.1
50°	6291.7	4429.7	484.5	233.4	150.3	113.2	88.4	70.7	58.4	49.5	47.7
52.5°	7144.0	5029.1	415.6	206.9	129.1	99.0	76.0	58.4	47.7	40.7	38.9
55°	8123.7	5745.3	383.7	180.4	109.6	84.9	61.9	47.7	38.9	33.6	30.1
57.5°	9022.0	6390.7	382.0	153.8	93.7	72.5	51.3	40.7	33.6	26.5	24.8
60°	9897.3	6930.1	359.0	127.3	81.3	60.1	44.2	33.6	28.3	23.0	21.2
62.5°	10691.3	7368.6	300.6	102.6	69.0	49.5	37.1	30.1	24.8	19.5	19.5
65°	11688.6	7927.4	229.9	83.1	56.6	40.7	31.8	26.5	23.0	17.7	17.7
67.5°	12719.6	8222.7	164.5	69.0	46.0	35.4	28.3	24.8	19.5	15.9	15.9
70°	11520.7	6947.8	118.5	56.6	38.9	30.1	24.8	23.0	19.5	15.9	14.1
72.5°	8997.3	5009.7	88.4	44.2	33.6	28.3	23.0	21.2	17.7	14.1	14.1
75°	6671.9	2921.3	67.2	35.4	26.5	23.0	23.0	21.2	17.7	14.1	12.4
77.5°	3626.8	1018.6	51.3	28.3	21.2	17.7	19.5	19.5	15.9	12.4	10.6
80°	960.2	279.4	35.4	21.2	17.7	14.1	14.1	17.7	14.1	10.6	10.6
82.5°	279.4	81.3	24.8	17.7	14.1	12.4	12.4	12.4	10.6	8.8	7.1
85°	136.2	30.1	17.7	14.1	12.4	10.6	8.8	8.8	7.1	5.3	5.3
87.5°	60.1	12.4	14.1	12.4	12.4	8.8	7.1	5.3	5.3	3.5	1.8
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)