

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: P635835

Luminaire Tested: GWS-SA3E-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635835
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-SA3E-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18219.6 lumens
Efficiency: N/A
Efficacy: 114.4 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

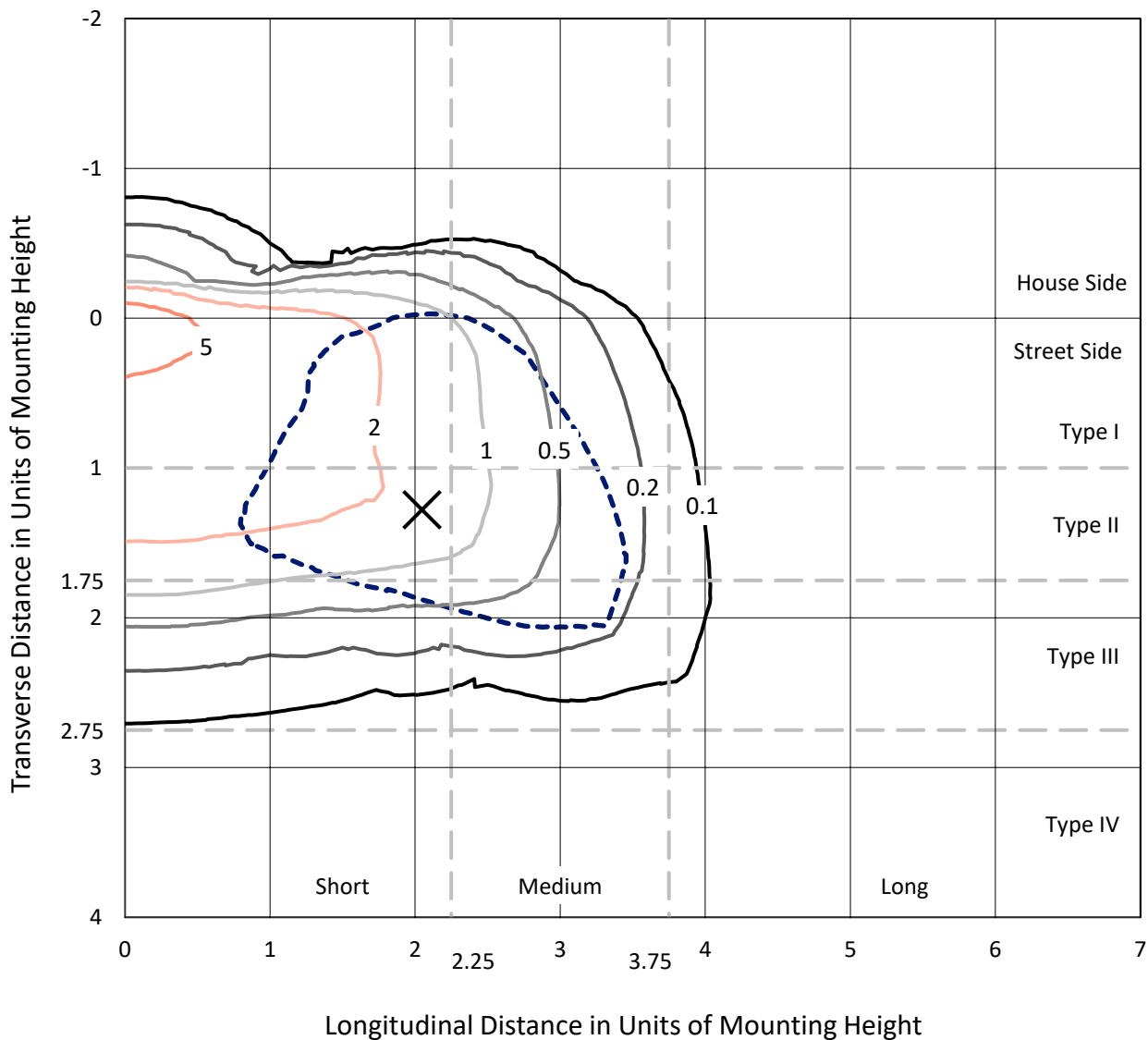
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

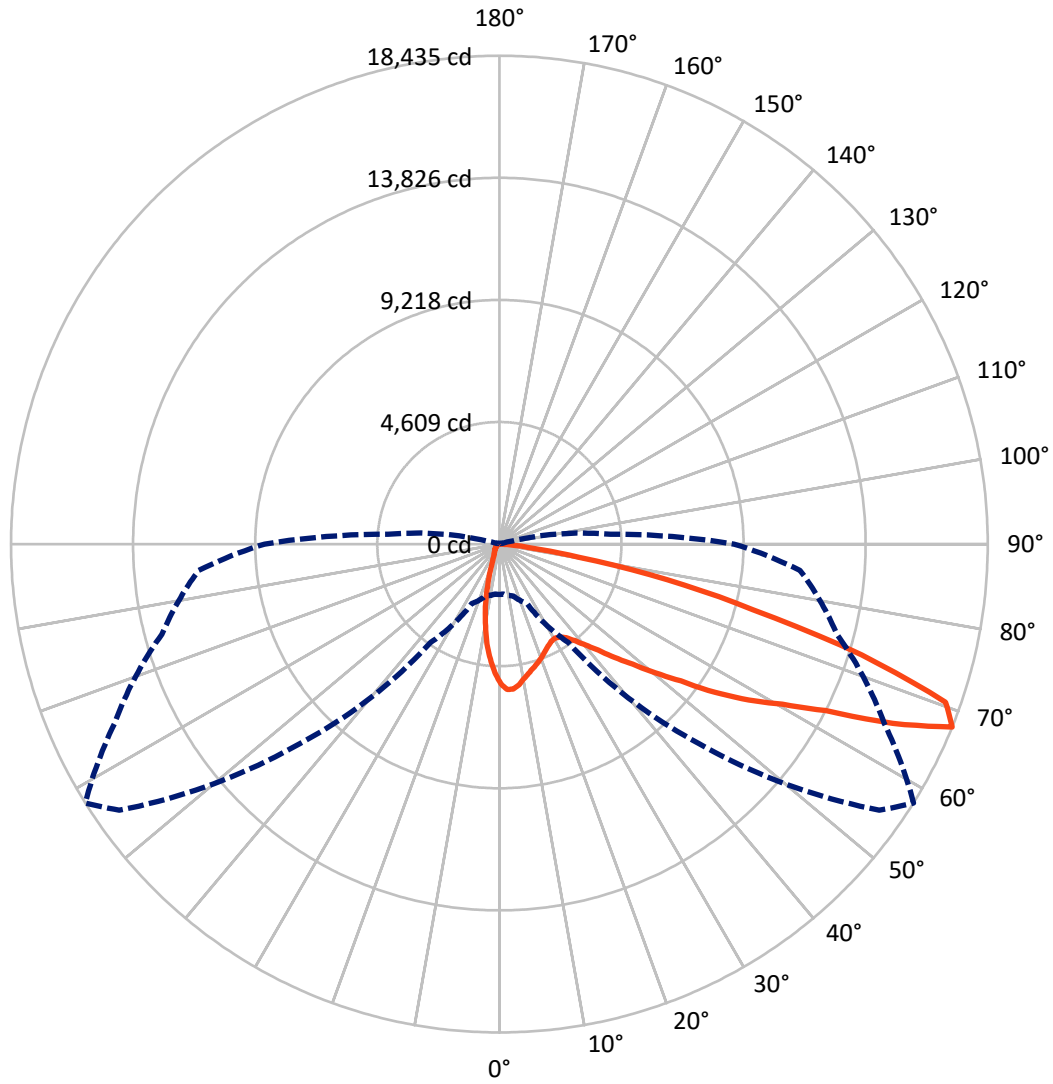
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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	1779.9	0.0	1779.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	16439.7	0.0	16439.7
	% Fixture	90.2	0.0	90.2
Total	Lumens	18219.6	0.0	18219.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.1	2.3
10°-20°	889.0	4.9
20°-30°	1198.8	6.6
30°-40°	1684.6	9.2
40°-50°	2601.7	14.3
50°-60°	4160.5	22.8
60°-70°	4926.3	27.0
70°-80°	2179.3	12.0
80°-90°	152.4	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°	18219.6	100.0
0°-180°	18219.6	100.0

Coefficient of Utilization



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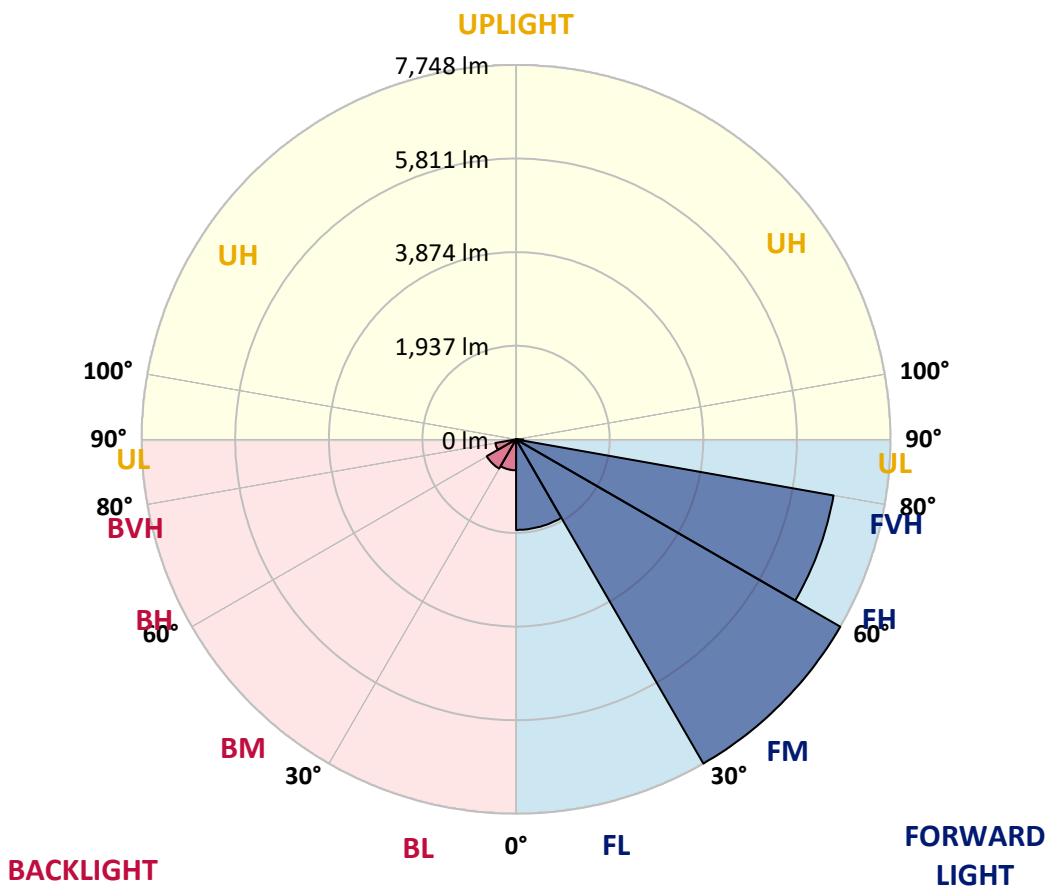
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1874.3	10.3			
FM (30°-60°)	7748.4	42.5			
FH (60°-80°)	6671.1	36.6			G3/7500
FVH (80°-90°)	145.9	0.8			G2/225
BL (0°-30°)	640.5	3.5	B2/1000		
BM (30°-60°)	698.4	3.8	B1/1000		
BH (60°-80°)	434.5	2.4	B1/500		G1/500
BVH (80°-90°)	6.5	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°	5255.4	5255.4	5255.4	5255.4	5255.4	5255.4	5255.4	5255.4	5255.4	5255.4	5255.4
2.5°	5527.9	5537.6	5550.5	5566.6	5563.4	5548.9	5531.1	5490.8	5465.0	5384.4	5286.0
5°	5350.5	5348.9	5381.2	5411.8	5466.6	5495.7	5536.0	5498.9	5486.0	5389.2	5229.6
7.5°	5003.8	5021.6	5058.7	5107.0	5186.0	5271.5	5368.3	5357.0	5395.7	5331.2	5132.8
10°	4663.6	4653.9	4711.9	4784.5	4905.5	5015.1	5155.4	5153.8	5255.4	5248.9	5023.2
12.5°	4365.2	4363.6	4408.8	4491.0	4632.9	4786.1	4976.4	4981.2	5107.0	5158.6	4929.6
15°	4113.7	4116.9	4160.4	4245.9	4392.7	4579.7	4800.6	4841.0	4982.9	5087.7	4837.7
17.5°	3934.7	3936.3	3962.1	4036.3	4179.8	4379.8	4645.8	4700.7	4882.9	5034.5	4763.6
20°	3852.4	3846.0	3850.8	3887.9	3999.2	4181.4	4487.8	4558.8	4791.0	4997.4	4695.8
22.5°	3863.7	3854.1	3831.5	3826.6	3876.6	4015.3	4320.1	4407.2	4691.0	4974.8	4634.5
25°	3963.7	3942.8	3910.5	3862.1	3842.8	3912.1	4173.3	4263.7	4597.5	4976.4	4587.8
27.5°	4116.9	4094.3	4054.0	3989.5	3913.7	3884.7	4073.4	4158.8	4531.3	5013.5	4565.2
30°	4312.0	4294.3	4255.6	4178.2	4076.6	3957.3	4052.4	4123.4	4499.1	5089.3	4574.9
32.5°	4542.6	4529.7	4497.5	4426.5	4310.4	4128.2	4123.4	4178.2	4524.9	5198.9	4612.0
35°	4765.2	4770.0	4771.6	4732.9	4608.7	4387.8	4318.5	4337.8	4631.3	5363.4	4695.8
37.5°	5005.4	4994.2	5052.2	5079.6	4960.3	4724.8	4620.0	4621.6	4834.5	5606.9	4853.9
40°	5187.7	5190.9	5316.7	5429.5	5379.6	5152.2	5002.2	5000.6	5147.3	5940.7	5108.6
42.5°	5358.6	5379.6	5565.0	5758.5	5827.9	5626.3	5518.2	5477.9	5586.0	6392.3	5490.8
45°	5540.8	5571.5	5831.1	6106.8	6289.0	6169.7	6084.3	6100.4	6113.3	6918.0	6005.2
47.5°	5753.7	5773.0	6093.9	6482.6	6822.8	6792.2	6797.0	6777.7	6771.2	7580.7	6685.7
50°	6011.7	6056.8	6426.1	6890.5	7355.0	7558.1	7625.9	7633.9	7529.1	8303.2	7390.4
52.5°	6560.0	6614.8	6930.9	7337.2	7935.5	8362.8	8638.6	8583.7	8422.5	9003.0	8162.9
55°	7206.6	7248.5	7553.3	7974.2	8645.0	9244.9	9899.6	9877.0	9482.0	9740.0	8798.2
57.5°	7267.9	7314.6	7787.1	8432.2	9556.1	10335.0	11023.6	11096.1	10517.2	10262.4	9365.8
60°	6579.3	6674.5	7319.5	8187.1	9904.4	11800.8	12255.6	12270.1	11276.7	10793.0	10059.3
62.5°	5273.1	5318.3	5968.1	7100.2	9367.5	12655.5	14137.5	13831.1	12252.4	11613.8	11157.4
65°	2764.0	2947.8	3513.8	4766.8	7596.8	12357.2	16401.5	16317.7	14006.8	12789.3	12012.1
67.5°	1896.4	1894.8	2028.6	2485.0	4529.7	10639.8	17512.6	18435.0	16035.5	13192.5	11392.9
70°	1443.3	1448.1	1567.4	1864.1	2346.3	7082.4	16293.5	17870.6	16412.8	11978.2	9214.3
72.5°	957.9	967.5	1165.9	1506.1	1873.8	3471.9	12662.0	14298.7	13810.1	9620.6	6485.8
75°	572.5	580.5	722.4	1094.9	1665.8	1943.2	8045.1	9885.1	9506.1	6630.9	3476.7
77.5°	235.4	241.9	370.9	682.1	1219.1	1509.4	4449.1	6468.0	5694.0	2636.6	949.8
80°	98.4	101.6	179.0	477.3	878.9	946.6	2060.9	3039.7	2333.4	567.6	290.3
82.5°	35.5	37.1	66.1	262.9	546.7	712.8	1040.1	1201.4	657.9	185.4	156.4
85°	1.6	1.6	16.1	88.7	208.0	201.6	595.0	575.7	217.7	77.4	93.5
87.5°	0.0	0.0	1.6	1.6	3.2	8.1	56.4	100.0	46.8	19.4	40.3
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°	5255.4	5255.4	5255.4	5255.4	5255.4	5255.4	5255.4	5255.4	5255.4	5255.4	5255.4
2.5°	5221.5	5136.1	5042.5	4955.4	4816.8	4734.5	4632.9	4587.8	4523.3	4507.2	4516.8
5°	5115.1	4968.3	4744.2	4541.0	4278.2	4066.9	3854.1	3763.8	3647.6	3570.2	3538.0
7.5°	4965.1	4773.2	4423.3	4054.0	3692.8	3307.4	3013.9	2820.4	2644.6	2547.9	2528.5
10°	4813.5	4563.6	4062.1	3533.2	2973.6	2512.4	2115.7	1822.2	1583.6	1475.5	1391.7
12.5°	4657.1	4345.9	3694.4	3004.2	2354.4	1725.5	1235.2	949.8	778.9	711.1	722.4
15°	4513.6	4136.3	3330.0	2475.3	1657.7	1041.7	682.1	575.7	535.4	522.5	520.9
17.5°	4376.5	3937.9	2967.1	1960.9	1093.3	638.6	522.5	496.7	485.4	478.9	478.9
20°	4252.4	3747.6	2612.4	1477.1	706.3	506.3	472.5	459.6	449.9	445.1	445.1
22.5°	4136.3	3563.8	2265.7	1044.9	520.9	454.7	433.8	420.9	409.6	403.1	403.1
25°	4031.4	3397.7	1935.1	719.2	448.3	416.0	393.5	379.0	359.6	348.3	348.3
27.5°	3955.7	3249.3	1617.4	524.1	404.8	374.1	348.3	329.0	308.0	295.1	291.9
30°	3910.5	3123.6	1296.5	430.6	364.4	333.8	304.8	280.6	256.4	243.5	241.9
32.5°	3884.7	3007.5	1003.0	375.7	330.6	295.1	262.9	237.0	212.9	198.3	196.7
35°	3894.4	2917.2	751.5	338.6	298.3	261.2	225.8	200.0	179.0	166.1	162.9
37.5°	3978.2	2876.8	564.4	309.6	270.9	232.2	195.1	170.9	151.6	141.9	140.3
40°	4141.1	2884.9	443.5	287.0	248.3	203.2	167.7	145.1	130.6	122.6	120.9
42.5°	4394.3	2952.6	366.1	267.7	224.1	177.4	145.1	127.4	112.9	104.8	103.2
45°	4771.6	3092.9	319.3	245.1	198.3	153.2	125.8	109.7	96.8	87.1	85.5
47.5°	5318.3	3336.4	288.7	224.1	175.8	132.2	108.0	91.9	80.6	72.6	71.0
50°	5900.4	3628.3	262.9	203.2	156.4	114.5	91.9	75.8	66.1	58.1	56.4
52.5°	6521.3	3942.8	243.5	183.8	138.7	98.4	77.4	62.9	53.2	45.2	43.5
55°	7117.9	4258.8	220.9	170.9	117.7	83.9	64.5	51.6	41.9	35.5	35.5
57.5°	7698.4	4549.1	196.7	150.0	96.8	71.0	53.2	41.9	33.9	29.0	27.4
60°	8391.8	4950.6	169.3	127.4	80.6	59.7	43.5	33.9	27.4	22.6	22.6
62.5°	9422.3	5368.3	145.1	106.4	67.7	50.0	35.5	27.4	22.6	19.4	17.7
65°	9759.3	5142.5	122.6	87.1	54.8	40.3	29.0	24.2	19.4	17.7	16.1
67.5°	8859.5	4215.3	101.6	71.0	45.2	33.9	25.8	21.0	17.7	16.1	14.5
70°	6913.1	2991.3	79.0	53.2	37.1	27.4	22.6	19.4	16.1	14.5	14.5
72.5°	4702.3	1769.0	62.9	40.3	30.6	24.2	19.4	17.7	16.1	14.5	12.9
75°	2315.7	628.9	48.4	30.6	24.2	21.0	17.7	16.1	14.5	12.9	12.9
77.5°	624.1	174.2	37.1	24.2	19.4	16.1	16.1	16.1	14.5	11.3	11.3
80°	211.2	72.6	27.4	17.7	16.1	12.9	11.3	14.5	12.9	11.3	9.7
82.5°	116.1	35.5	19.4	14.5	11.3	9.7	9.7	9.7	9.7	8.1	8.1
85°	74.2	19.4	12.9	11.3	11.3	8.1	6.5	6.5	4.8	4.8	4.8
87.5°	33.9	11.3	11.3	9.7	9.7	8.1	4.8	3.2	1.6	1.6	1.6
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)