

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: P635725

Luminaire Tested: GWS-SA3E-735-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635725
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17567.3 lumens
Efficiency: N/A
Efficacy: 110.3 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

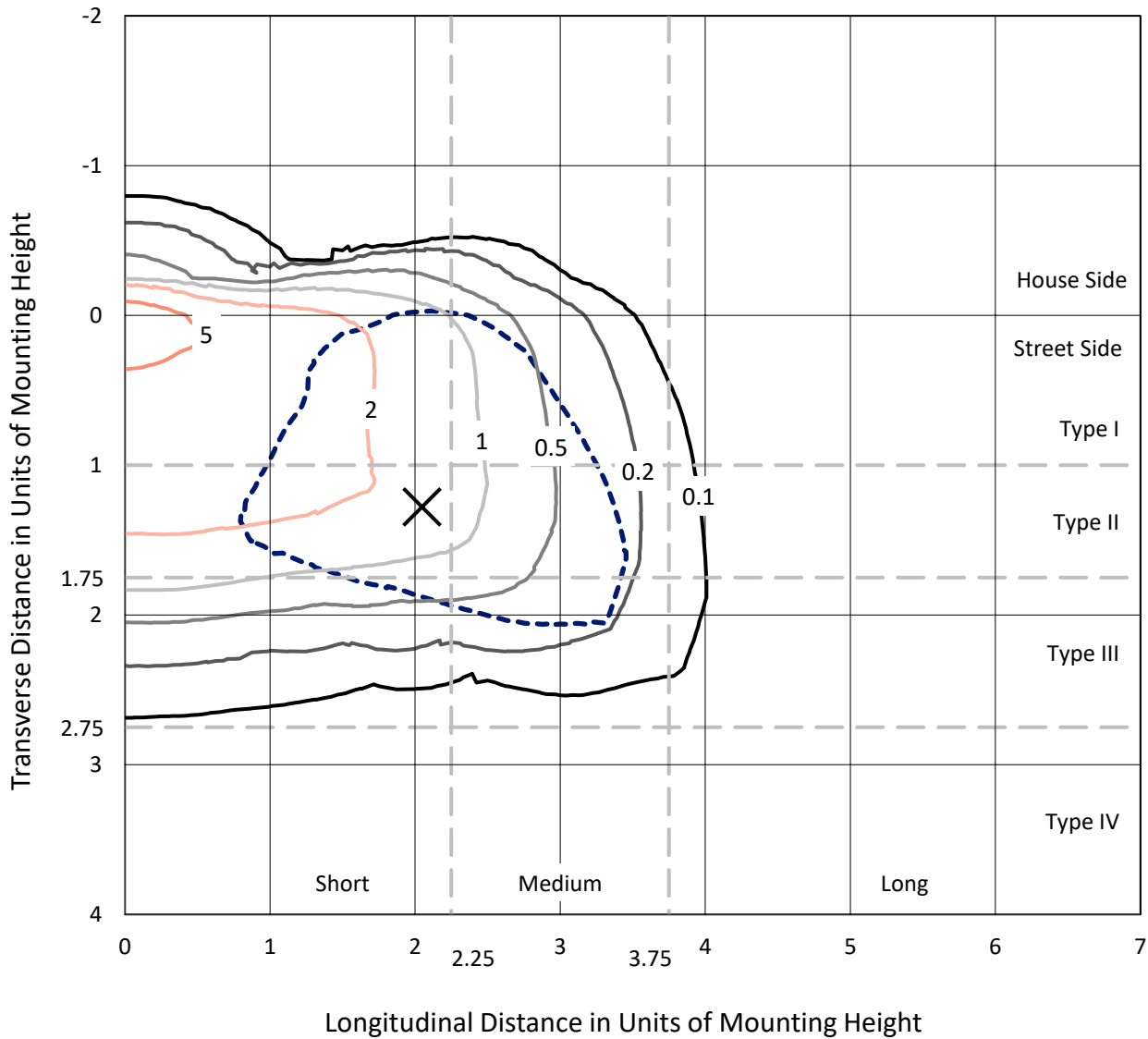
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

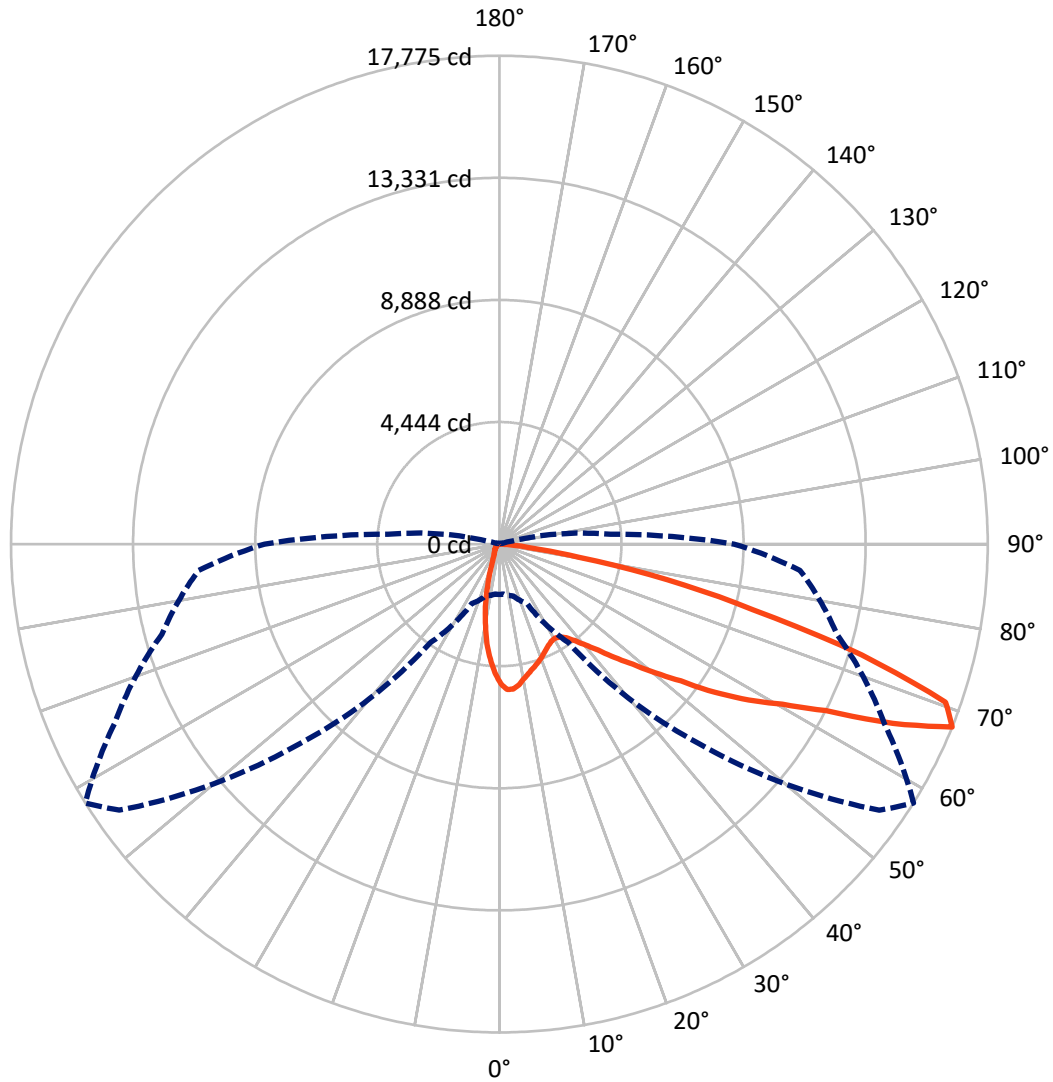
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	1716.2	0.0	1716.2
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	15851.1	0.0	15851.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	17567.3	0.0	17567.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.8	2.3
10°-20°	857.1	4.9
20°-30°	1155.9	6.6
30°-40°	1624.3	9.2
40°-50°	2508.6	14.3
50°-60°	4011.5	22.8
60°-70°	4750.0	27.0
70°-80°	2101.2	12.0
80°-90°	146.9	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°	17567.3	100.0
0°-180°	17567.3	100.0

Coefficient of Utilization



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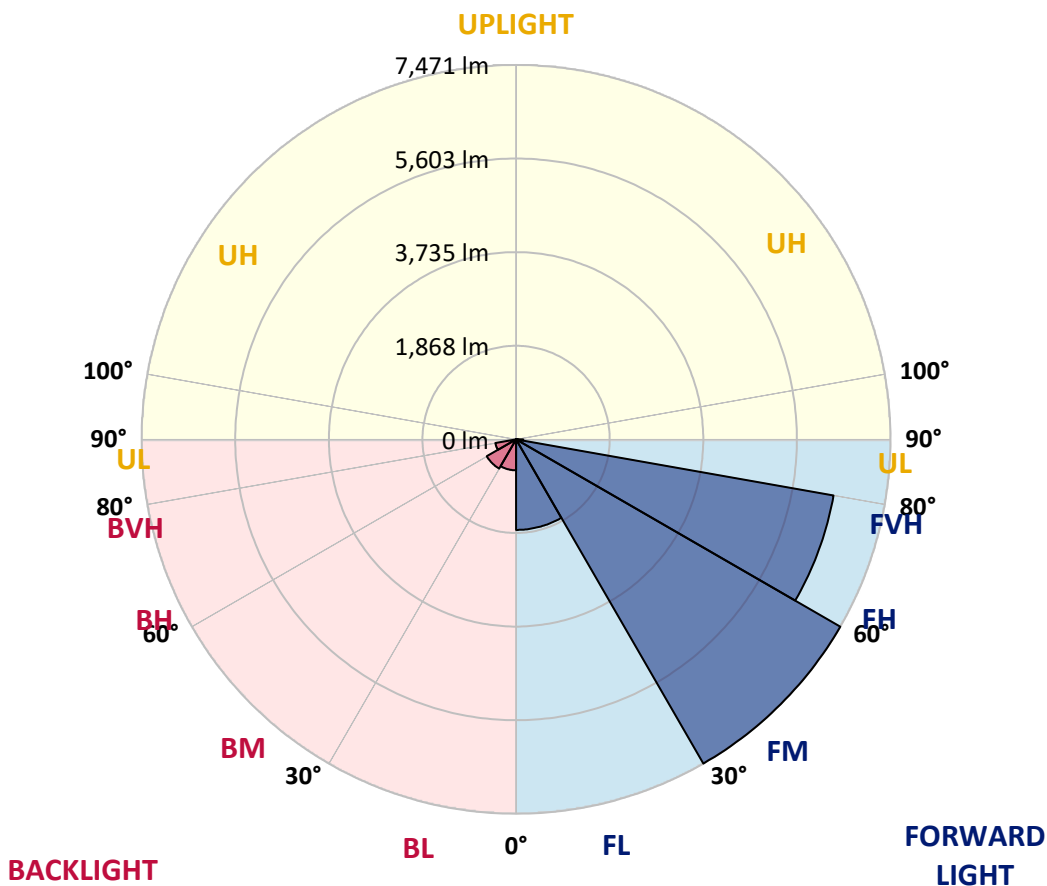
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1807.2	10.3			
FM (30°-60°)	7471.0	42.5			
FH (60°-80°)	6432.2	36.6			G3/7500
FVH (80°-90°)	140.6	0.8			G2/225
BL (0°-30°)	617.6	3.5	B2/1000		
BM (30°-60°)	673.4	3.8	B1/1000		
BH (60°-80°)	419.0	2.4	B1/500		G1/500
BVH (80°-90°)	6.3	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°	5067.2	5067.2	5067.2	5067.2	5067.2	5067.2	5067.2	5067.2	5067.2	5067.2	5067.2
2.5°	5330.0	5339.3	5351.8	5367.3	5364.2	5350.2	5333.1	5294.2	5269.4	5191.6	5096.8
5°	5159.0	5157.4	5188.5	5218.1	5270.9	5298.9	5337.8	5302.0	5289.6	5196.3	5042.4
7.5°	4824.7	4841.8	4877.5	4924.2	5000.4	5082.8	5176.1	5165.2	5202.5	5140.3	4949.1
10°	4496.6	4487.3	4543.3	4613.2	4729.8	4835.6	4970.8	4969.3	5067.2	5061.0	4843.3
12.5°	4209.0	4207.4	4250.9	4330.2	4467.1	4614.8	4798.2	4802.9	4924.2	4973.9	4753.2
15°	3966.4	3969.5	4011.5	4093.9	4235.4	4415.8	4628.8	4667.6	4804.5	4905.5	4664.5
17.5°	3793.8	3795.4	3820.2	3891.8	4030.2	4223.0	4479.5	4532.4	4708.1	4854.2	4593.0
20°	3714.5	3708.3	3713.0	3748.7	3856.0	4031.7	4327.1	4395.5	4619.4	4818.5	4527.7
22.5°	3725.4	3716.1	3694.3	3689.6	3737.8	3871.6	4165.4	4249.4	4523.0	4796.7	4468.6
25°	3821.8	3801.6	3770.5	3723.8	3705.2	3772.0	4023.9	4111.0	4432.9	4798.2	4423.5
27.5°	3969.5	3947.7	3908.9	3846.7	3773.6	3745.6	3927.5	4009.9	4369.1	4834.0	4401.8
30°	4157.7	4140.5	4103.2	4028.6	3930.6	3815.6	3907.3	3975.7	4338.0	4907.1	4411.1
32.5°	4380.0	4367.6	4336.5	4268.0	4156.1	3980.4	3975.7	4028.6	4362.9	5012.8	4446.9
35°	4594.6	4599.2	4600.8	4563.5	4443.7	4230.7	4163.9	4182.5	4465.5	5171.4	4527.7
37.5°	4826.2	4815.3	4871.3	4897.8	4782.7	4555.7	4454.6	4456.2	4661.4	5406.2	4680.1
40°	5001.9	5005.0	5126.3	5235.2	5187.0	4967.7	4823.1	4821.6	4963.1	5728.0	4925.7
42.5°	5166.7	5187.0	5365.8	5552.3	5619.2	5424.8	5320.7	5281.8	5386.0	6163.4	5294.2
45°	5342.4	5372.0	5622.3	5888.2	6063.9	5948.8	5866.4	5882.0	5894.4	6670.3	5790.2
47.5°	5547.7	5566.3	5875.8	6250.5	6578.5	6549.0	6553.7	6535.0	6528.8	7309.3	6446.4
50°	5796.5	5840.0	6196.0	6643.8	7091.6	7287.5	7352.9	7360.6	7259.6	8005.9	7125.8
52.5°	6325.1	6378.0	6682.7	7074.5	7651.4	8063.4	8329.3	8276.4	8120.9	8680.7	7870.6
55°	6948.6	6989.0	7282.9	7688.7	8335.5	8913.9	9545.2	9523.4	9142.5	9391.3	8483.2
57.5°	7007.7	7052.8	7508.3	8130.3	9214.0	9965.0	10628.9	10698.9	10140.7	9895.0	9030.5
60°	6343.8	6435.5	7057.4	7893.9	9549.8	11378.3	11816.8	11830.8	10873.0	10406.6	9699.1
62.5°	5084.3	5127.9	5754.5	6846.0	9032.1	12202.4	13631.3	13335.9	11813.7	11198.0	10758.0
65°	2665.0	2842.3	3388.0	4596.1	7324.9	11914.8	15814.3	15733.5	13505.4	12331.5	11582.0
67.5°	1828.5	1826.9	1956.0	2396.0	4367.6	10258.9	16885.6	17775.0	15461.4	12720.2	10985.0
70°	1391.6	1396.2	1511.3	1797.4	2262.3	6828.9	15710.1	17230.8	15825.2	11549.4	8884.4
72.5°	923.6	932.9	1124.2	1452.2	1806.7	3347.6	12208.6	13786.8	13315.7	9276.2	6253.6
75°	552.0	559.7	696.6	1055.7	1606.2	1873.6	7757.1	9531.2	9165.8	6393.5	3352.2
77.5°	227.0	233.2	357.6	657.7	1175.5	1455.3	4289.8	6236.5	5490.2	2542.2	915.8
80°	94.8	98.0	172.6	460.2	847.4	912.7	1987.1	2930.9	2249.9	547.3	279.9
82.5°	34.2	35.8	63.7	253.4	527.1	687.2	1002.9	1158.4	634.4	178.8	150.8
85°	1.6	1.6	15.5	85.5	200.6	194.4	573.7	555.1	209.9	74.6	90.2
87.5°	0.0	0.0	1.6	1.6	3.1	7.8	54.4	96.4	45.1	18.7	38.9
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°	5067.2	5067.2	5067.2	5067.2	5067.2	5067.2	5067.2	5067.2	5067.2	5067.2	5067.2
2.5°	5034.6	4952.2	4862.0	4778.0	4644.3	4565.0	4467.1	4423.5	4361.3	4345.8	4355.1
5°	4932.0	4790.5	4574.3	4378.4	4125.0	3921.3	3716.1	3629.0	3517.1	3442.4	3411.3
7.5°	4787.4	4602.3	4264.9	3908.9	3560.6	3189.0	2906.0	2719.4	2549.9	2456.7	2438.0
10°	4641.2	4400.2	3916.6	3406.7	2867.1	2422.4	2040.0	1757.0	1526.9	1422.7	1341.8
12.5°	4490.4	4190.3	3562.1	2896.7	2270.1	1663.7	1191.0	915.8	751.0	685.7	696.6
15°	4352.0	3988.2	3210.8	2386.7	1598.4	1004.4	657.7	555.1	516.2	503.8	502.2
17.5°	4219.8	3796.9	2860.9	1890.7	1054.2	615.7	503.8	478.9	468.0	461.8	461.8
20°	4100.1	3613.5	2518.8	1424.2	681.0	488.2	455.6	443.1	433.8	429.1	429.1
22.5°	3988.2	3436.2	2184.6	1007.5	502.2	438.5	418.3	405.8	394.9	388.7	388.7
25°	3887.1	3276.1	1865.8	693.5	432.2	401.1	379.4	365.4	346.7	335.8	335.8
27.5°	3814.0	3133.0	1559.5	505.3	390.3	360.7	335.8	317.2	297.0	284.5	281.4
30°	3770.5	3011.7	1250.1	415.1	351.4	321.9	293.9	270.5	247.2	234.8	233.2
32.5°	3745.6	2899.8	967.1	362.3	318.7	284.5	253.4	228.6	205.2	191.2	189.7
35°	3754.9	2812.7	724.6	326.5	287.6	251.9	217.7	192.8	172.6	160.1	157.0
37.5°	3835.8	2773.8	544.2	298.5	261.2	223.9	188.1	164.8	146.2	136.8	135.3
40°	3992.8	2781.6	427.6	276.8	239.4	195.9	161.7	139.9	125.9	118.2	116.6
42.5°	4236.9	2846.9	352.9	258.1	216.1	171.0	139.9	122.8	108.8	101.1	99.5
45°	4600.8	2982.2	307.9	236.3	191.2	147.7	121.3	105.7	93.3	84.0	82.4
47.5°	5127.9	3217.0	278.3	216.1	169.5	127.5	104.2	88.6	77.7	70.0	68.4
50°	5689.2	3498.4	253.4	195.9	150.8	110.4	88.6	73.1	63.7	56.0	54.4
52.5°	6287.8	3801.6	234.8	177.3	133.7	94.8	74.6	60.6	51.3	43.5	42.0
55°	6863.1	4106.3	213.0	164.8	113.5	80.9	62.2	49.8	40.4	34.2	34.2
57.5°	7422.8	4386.2	189.7	144.6	93.3	68.4	51.3	40.4	32.7	28.0	26.4
60°	8091.4	4773.4	163.3	122.8	77.7	57.5	42.0	32.7	26.4	21.8	21.8
62.5°	9084.9	5176.1	139.9	102.6	65.3	48.2	34.2	26.4	21.8	18.7	17.1
65°	9409.9	4958.4	118.2	84.0	52.9	38.9	28.0	23.3	18.7	17.1	15.5
67.5°	8542.3	4064.4	98.0	68.4	43.5	32.7	24.9	20.2	17.1	15.5	14.0
70°	6665.6	2884.2	76.2	51.3	35.8	26.4	21.8	18.7	15.5	14.0	14.0
72.5°	4533.9	1705.7	60.6	38.9	29.5	23.3	18.7	17.1	15.5	14.0	12.4
75°	2232.8	606.4	46.6	29.5	23.3	20.2	17.1	15.5	14.0	12.4	12.4
77.5°	601.7	167.9	35.8	23.3	18.7	15.5	15.5	15.5	14.0	10.9	10.9
80°	203.7	70.0	26.4	17.1	15.5	12.4	10.9	14.0	12.4	10.9	9.3
82.5°	111.9	34.2	18.7	14.0	10.9	9.3	9.3	9.3	9.3	7.8	7.8
85°	71.5	18.7	12.4	10.9	10.9	7.8	6.2	6.2	4.7	4.7	4.7
87.5°	32.7	10.9	10.9	9.3	9.3	7.8	4.7	3.1	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)