

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: P635340

Luminaire Tested: GWS-SA3D-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635340
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-SA3D-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: 14579.7 lumens
Efficiency: N/A
Efficacy: 120.7 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

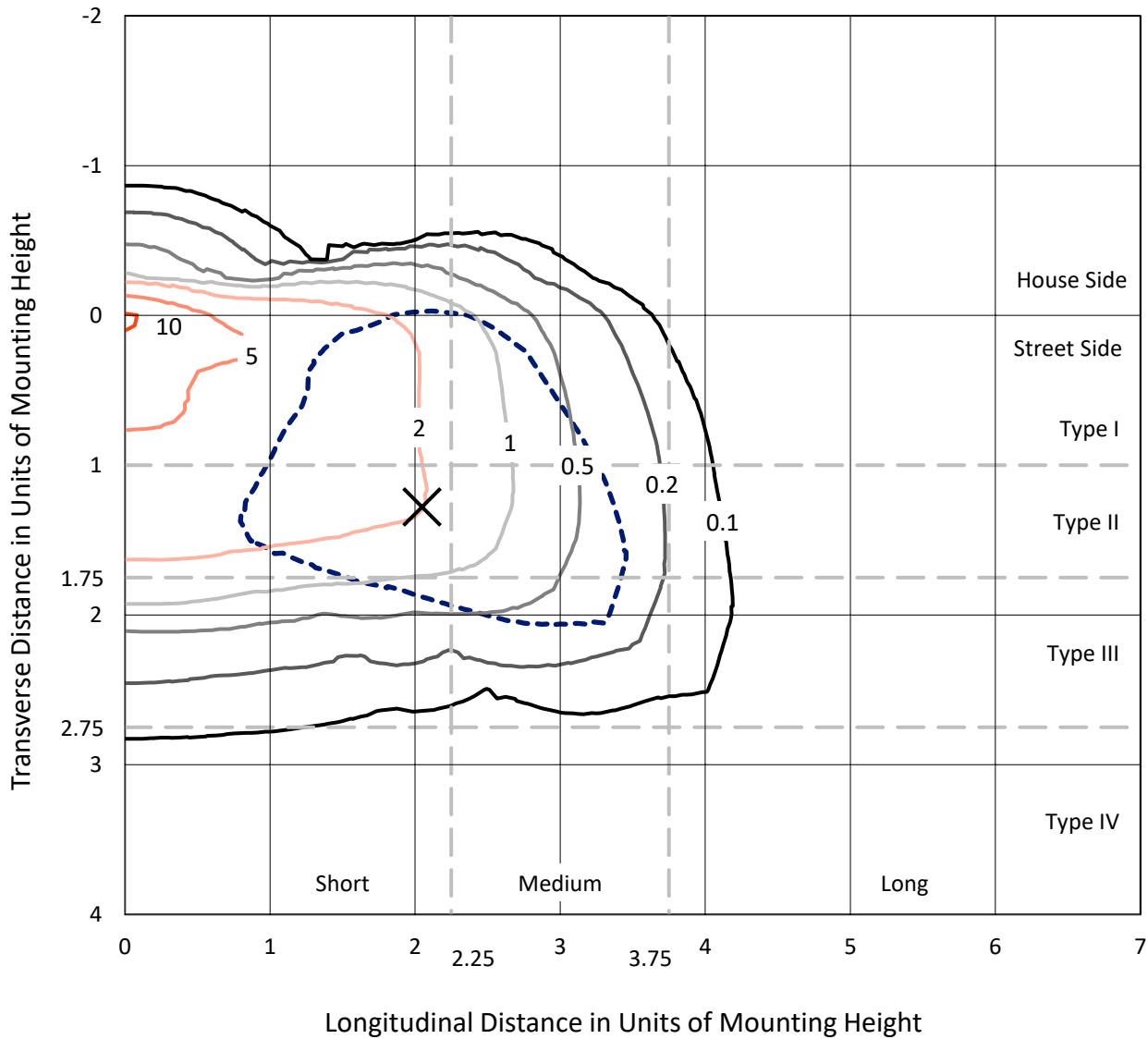
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635340
 CATALOG NUMBER: GWS-SA3D-750-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

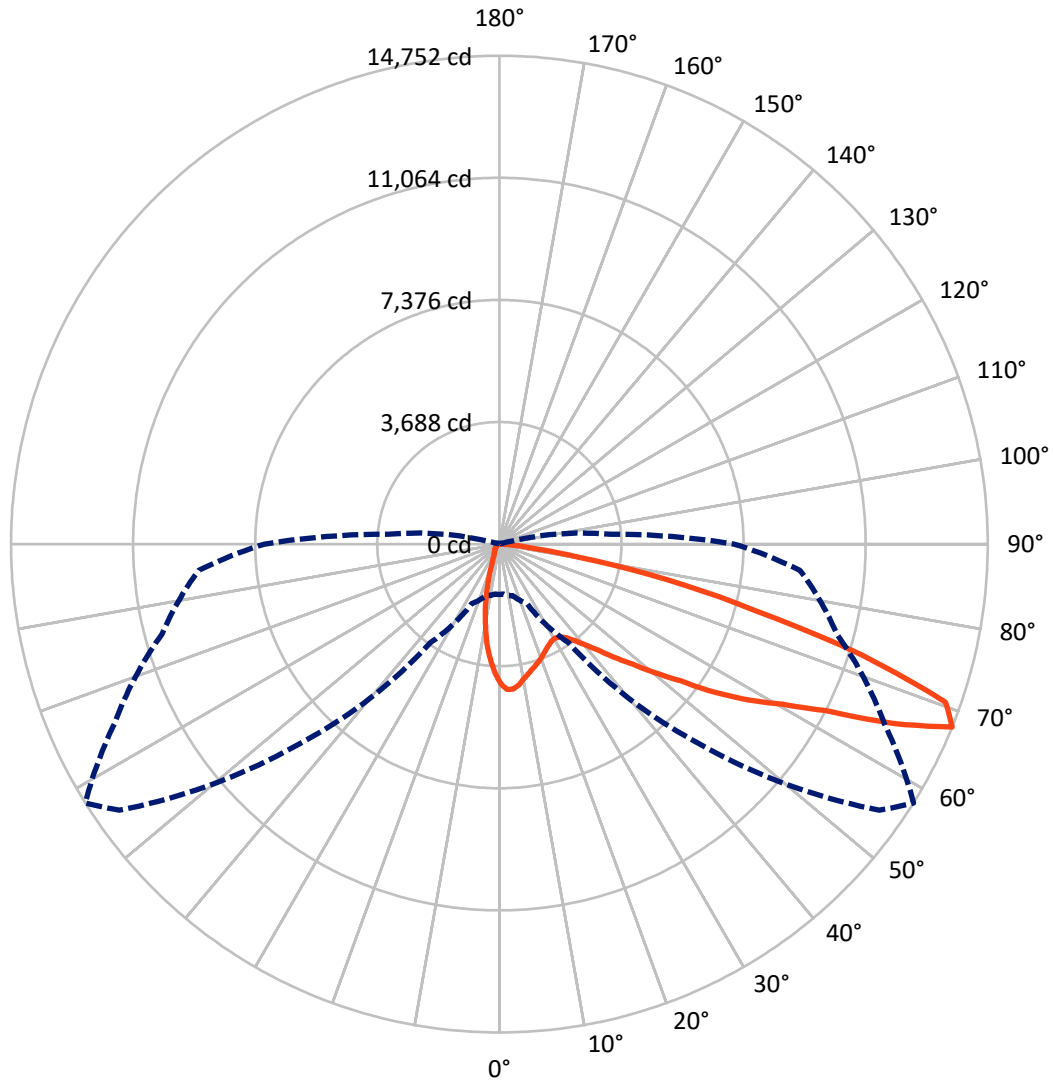
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.5 fc
 Type III - Short - N/A

REPORT NUMBER: P635340
CATALOG NUMBER: GWS-SA3D-750-U-SL3-W-HSS

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	1424.3	0.0	1424.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	13155.4	0.0	13155.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	14579.7	0.0	14579.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.7	2.3
10°-20°	711.4	4.9
20°-30°	959.3	6.6
30°-40°	1348.1	9.2
40°-50°	2081.9	14.3
50°-60°	3329.3	22.8
60°-70°	3942.1	27.0
70°-80°	1743.9	12.0
80°-90°	121.9	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°	14579.7	100.0
0°-180°	14579.7	100.0

Coefficient of Utilization



REPORT NUMBER: P635340

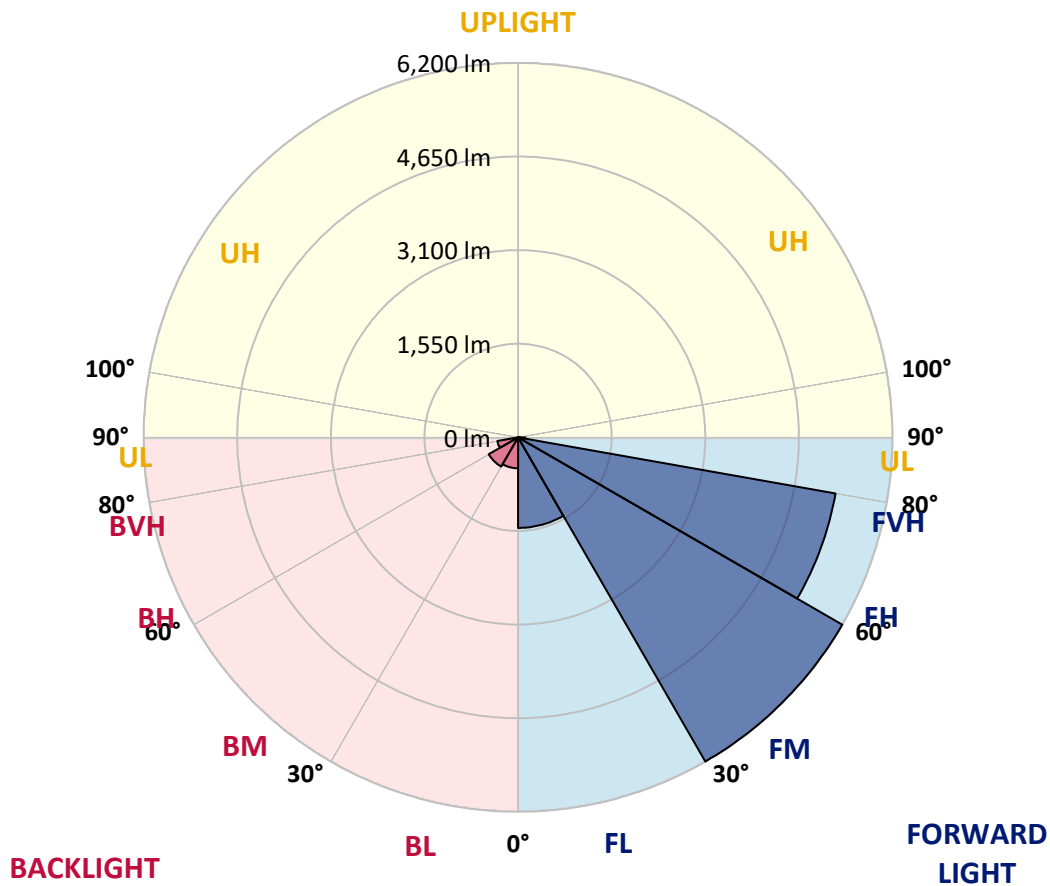
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1499.9	10.3			
FM (30°-60°)	6200.4	42.5			
FH (60°-80°)	5338.3	36.6			G3/7500
FVH (80°-90°)	116.7	0.8			G2/225
BL (0°-30°)	512.6	3.5	B2/1000		
BM (30°-60°)	558.9	3.8	B1/1000		
BH (60°-80°)	347.7	2.4	B1/500		G1/500
BVH (80°-90°)	5.2	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





REPORT NUMBER: P635340

CATALOG NUMBER: GWS-SA3D-750-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5
2.5°	4423.6	4431.3	4441.6	4454.5	4451.9	4440.3	4426.1	4393.9	4373.2	4308.7	4230.0
5°	4281.6	4280.3	4306.1	4330.6	4374.5	4397.7	4430.0	4400.3	4390.0	4312.6	4184.8
7.5°	4004.2	4018.4	4048.0	4086.8	4150.0	4218.4	4295.8	4286.8	4317.7	4266.1	4107.4
10°	3731.9	3724.1	3770.6	3828.7	3925.4	4013.2	4125.5	4124.2	4205.5	4200.3	4019.6
12.5°	3493.2	3491.9	3528.0	3593.8	3707.4	3830.0	3982.2	3986.1	4086.8	4128.0	3944.8
15°	3291.9	3294.4	3329.3	3397.7	3515.1	3664.8	3841.6	3873.8	3987.4	4071.3	3871.3
17.5°	3148.6	3149.9	3170.6	3229.9	3344.8	3504.8	3717.7	3761.6	3907.4	4028.7	3811.9
20°	3082.8	3077.6	3081.5	3111.2	3200.2	3346.1	3591.2	3648.0	3833.8	3999.0	3757.7
22.5°	3091.8	3084.1	3066.0	3062.2	3102.2	3213.1	3457.0	3526.7	3753.8	3980.9	3708.7
25°	3171.8	3155.1	3129.3	3090.5	3075.1	3130.6	3339.6	3411.9	3679.0	3982.2	3671.2
27.5°	3294.4	3276.4	3244.1	3192.5	3131.8	3108.6	3259.6	3328.0	3626.1	4011.9	3653.2
30°	3450.6	3436.4	3405.4	3343.5	3262.2	3166.7	3242.8	3299.6	3600.3	4072.6	3660.9
32.5°	3635.1	3624.8	3599.0	3542.2	3449.3	3303.5	3299.6	3343.5	3620.9	4160.3	3690.6
35°	3813.2	3817.1	3818.3	3787.4	3688.0	3511.2	3455.7	3471.2	3706.1	4291.9	3757.7
37.5°	4005.5	3996.4	4042.9	4064.8	3969.3	3780.9	3697.0	3698.3	3868.7	4486.8	3884.2
40°	4151.3	4153.9	4254.5	4344.8	4304.8	4122.9	4002.9	4001.6	4119.0	4753.9	4088.0
42.5°	4288.1	4304.8	4453.2	4608.1	4663.6	4502.3	4415.8	4383.5	4470.0	5115.2	4393.9
45°	4433.9	4458.4	4666.1	4886.8	5032.6	4937.1	4868.7	4881.6	4892.0	5535.9	4805.5
47.5°	4604.2	4619.7	4876.5	5187.5	5459.8	5435.2	5439.1	5423.6	5418.5	6066.3	5350.1
50°	4810.7	4846.8	5142.3	5514.0	5885.6	6048.2	6102.4	6108.8	6025.0	6644.4	5914.0
52.5°	5249.4	5293.3	5546.2	5871.4	6350.1	6692.1	6912.8	6868.9	6739.8	7204.4	6532.1
55°	5766.9	5800.4	6044.3	6381.1	6917.9	7398.0	7921.9	7903.8	7587.7	7794.1	7040.5
57.5°	5815.9	5853.3	6231.4	6747.6	7647.0	8270.3	8821.3	8879.4	8416.1	8212.2	7494.7
60°	5264.9	5341.0	5857.2	6551.4	7925.7	9443.3	9807.2	9818.8	9023.9	8636.8	8049.6
62.5°	4219.7	4255.8	4775.8	5681.7	7496.0	10127.2	11313.1	11067.9	9804.6	9293.6	8928.4
65°	2211.8	2358.9	2811.8	3814.5	6079.2	9888.5	13124.8	13057.7	11208.6	10234.3	9612.3
67.5°	1517.5	1516.2	1623.3	1988.5	3624.8	8514.2	14013.9	14752.0	12831.9	10556.9	9116.8
70°	1154.9	1158.8	1254.3	1491.7	1877.6	5667.5	13038.4	14300.4	13133.9	9585.2	7373.4
72.5°	766.5	774.3	933.0	1205.2	1499.5	2778.3	10132.4	11442.1	11051.1	7698.6	5190.1
75°	458.1	464.6	578.1	876.2	1333.0	1555.0	6437.9	7910.3	7607.0	5306.2	2782.1
77.5°	188.4	193.6	296.8	545.8	975.6	1207.8	3560.3	5175.9	4556.5	2109.8	760.1
80°	78.7	81.3	143.2	382.0	703.3	757.5	1649.2	2432.4	1867.2	454.2	232.3
82.5°	28.4	29.7	52.9	210.3	437.5	570.4	832.3	961.4	526.5	148.4	125.2
85°	1.3	1.3	12.9	71.0	166.5	161.3	476.2	460.7	174.2	61.9	74.8
87.5°	0.0	0.0	1.3	1.3	2.6	6.5	45.2	80.0	37.4	15.5	32.3
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°	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5	4205.5
2.5°	4178.4	4110.0	4035.1	3965.5	3854.5	3788.7	3707.4	3671.2	3619.6	3606.7	3614.5
5°	4093.2	3975.8	3796.4	3633.8	3423.5	3254.4	3084.1	3011.8	2918.9	2857.0	2831.2
7.5°	3973.2	3819.6	3539.6	3244.1	2955.1	2646.6	2411.8	2256.9	2116.3	2038.9	2023.4
10°	3851.9	3651.9	3250.6	2827.3	2379.5	2010.5	1693.0	1458.2	1267.2	1180.7	1113.6
12.5°	3726.7	3477.7	2956.3	2404.0	1884.0	1380.7	988.5	760.1	623.3	569.1	578.1
15°	3611.9	3309.9	2664.7	1980.8	1326.5	833.6	545.8	460.7	428.4	418.1	416.8
17.5°	3502.2	3151.2	2374.4	1569.1	874.9	511.0	418.1	397.4	388.4	383.3	383.3
20°	3402.8	2998.9	2090.5	1182.0	565.2	405.2	378.1	367.8	360.0	356.2	356.2
22.5°	3309.9	2851.8	1813.0	836.2	416.8	363.9	347.1	336.8	327.8	322.6	322.6
25°	3226.0	2718.9	1548.5	575.5	358.7	332.9	314.9	303.2	287.8	278.7	278.7
27.5°	3165.4	2600.2	1294.3	419.4	323.9	299.4	278.7	263.2	246.5	236.1	233.6
30°	3129.3	2499.5	1037.5	344.5	291.6	267.1	243.9	224.5	205.2	194.9	193.6
32.5°	3108.6	2406.6	802.6	300.7	264.5	236.1	210.3	189.7	170.3	158.7	157.4
35°	3116.4	2334.4	601.3	271.0	238.7	209.0	180.7	160.0	143.2	132.9	130.3
37.5°	3183.5	2302.1	451.6	247.8	216.8	185.8	156.1	136.8	121.3	113.6	112.3
40°	3313.8	2308.6	354.9	229.7	198.7	162.6	134.2	116.1	104.5	98.1	96.8
42.5°	3516.4	2362.8	292.9	214.2	179.4	141.9	116.1	101.9	90.3	83.9	82.6
45°	3818.3	2475.0	255.5	196.1	158.7	122.6	100.7	87.7	77.4	69.7	68.4
47.5°	4255.8	2669.9	231.0	179.4	140.7	105.8	86.5	73.6	64.5	58.1	56.8
50°	4721.6	2903.4	210.3	162.6	125.2	91.6	73.6	60.6	52.9	46.5	45.2
52.5°	5218.4	3155.1	194.9	147.1	111.0	78.7	61.9	50.3	42.6	36.1	34.8
55°	5695.9	3408.0	176.8	136.8	94.2	67.1	51.6	41.3	33.6	28.4	28.4
57.5°	6160.5	3640.3	157.4	120.0	77.4	56.8	42.6	33.6	27.1	23.2	21.9
60°	6715.3	3961.6	135.5	101.9	64.5	47.7	34.8	27.1	21.9	18.1	18.1
62.5°	7539.9	4295.8	116.1	85.2	54.2	40.0	28.4	21.9	18.1	15.5	14.2
65°	7809.6	4115.1	98.1	69.7	43.9	32.3	23.2	19.4	15.5	14.2	12.9
67.5°	7089.6	3373.2	81.3	56.8	36.1	27.1	20.6	16.8	14.2	12.9	11.6
70°	5532.0	2393.7	63.2	42.6	29.7	21.9	18.1	15.5	12.9	11.6	11.6
72.5°	3762.9	1415.6	50.3	32.3	24.5	19.4	15.5	14.2	12.9	11.6	10.3
75°	1853.0	503.3	38.7	24.5	19.4	16.8	14.2	12.9	11.6	10.3	10.3
77.5°	499.4	139.4	29.7	19.4	15.5	12.9	12.9	12.9	11.6	9.0	9.0
80°	169.0	58.1	21.9	14.2	12.9	10.3	9.0	11.6	10.3	9.0	7.7
82.5°	92.9	28.4	15.5	11.6	9.0	7.7	7.7	7.7	7.7	6.5	6.5
85°	59.4	15.5	10.3	9.0	9.0	6.5	5.2	5.2	3.9	3.9	3.9
87.5°	27.1	9.0	9.0	7.7	7.7	6.5	3.9	2.6	1.3	1.3	1.3
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)