

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: P639355

Luminaire Tested: GWS-SA5B-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639355
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-SA5B-760-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14508.8 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

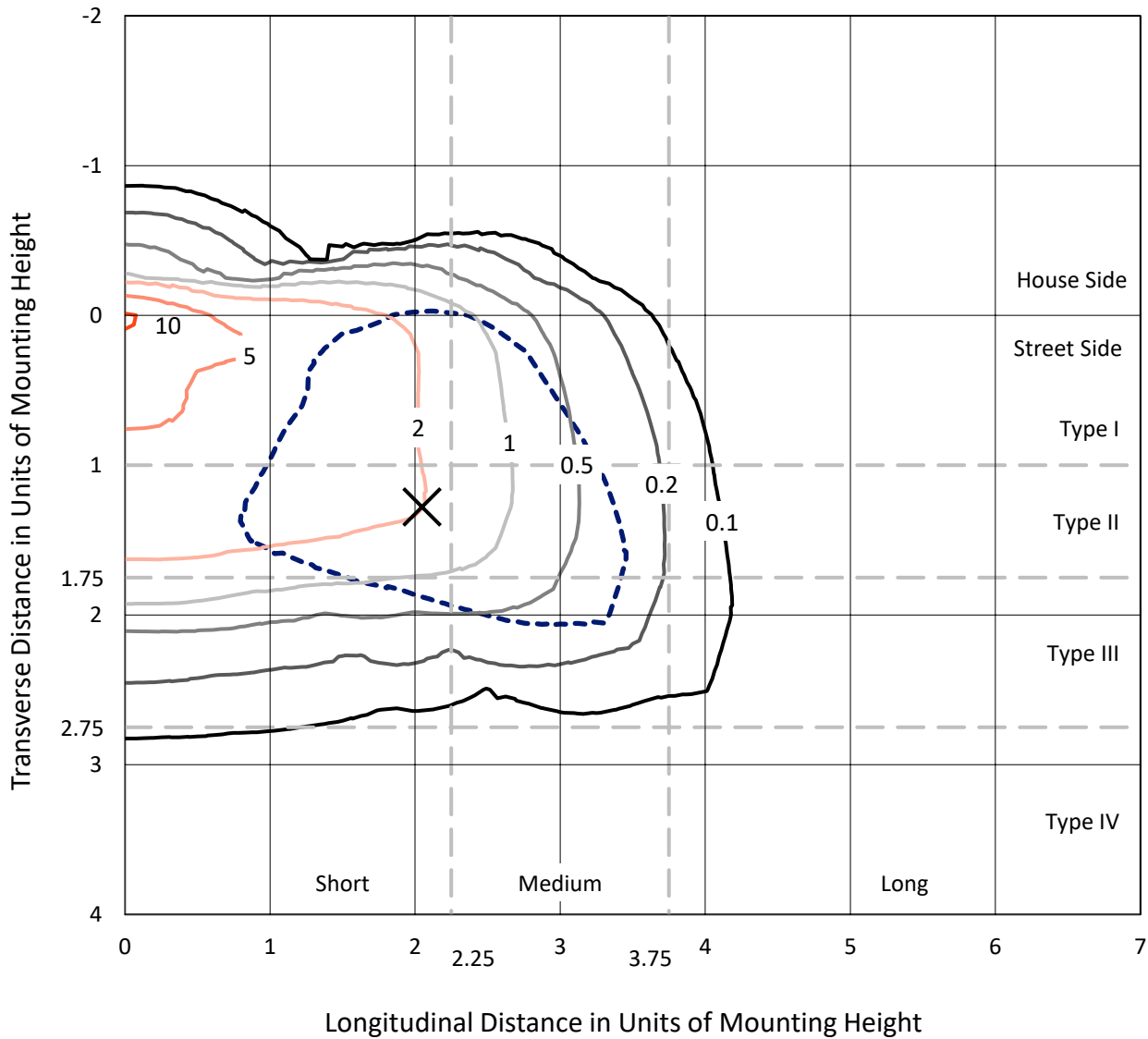
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

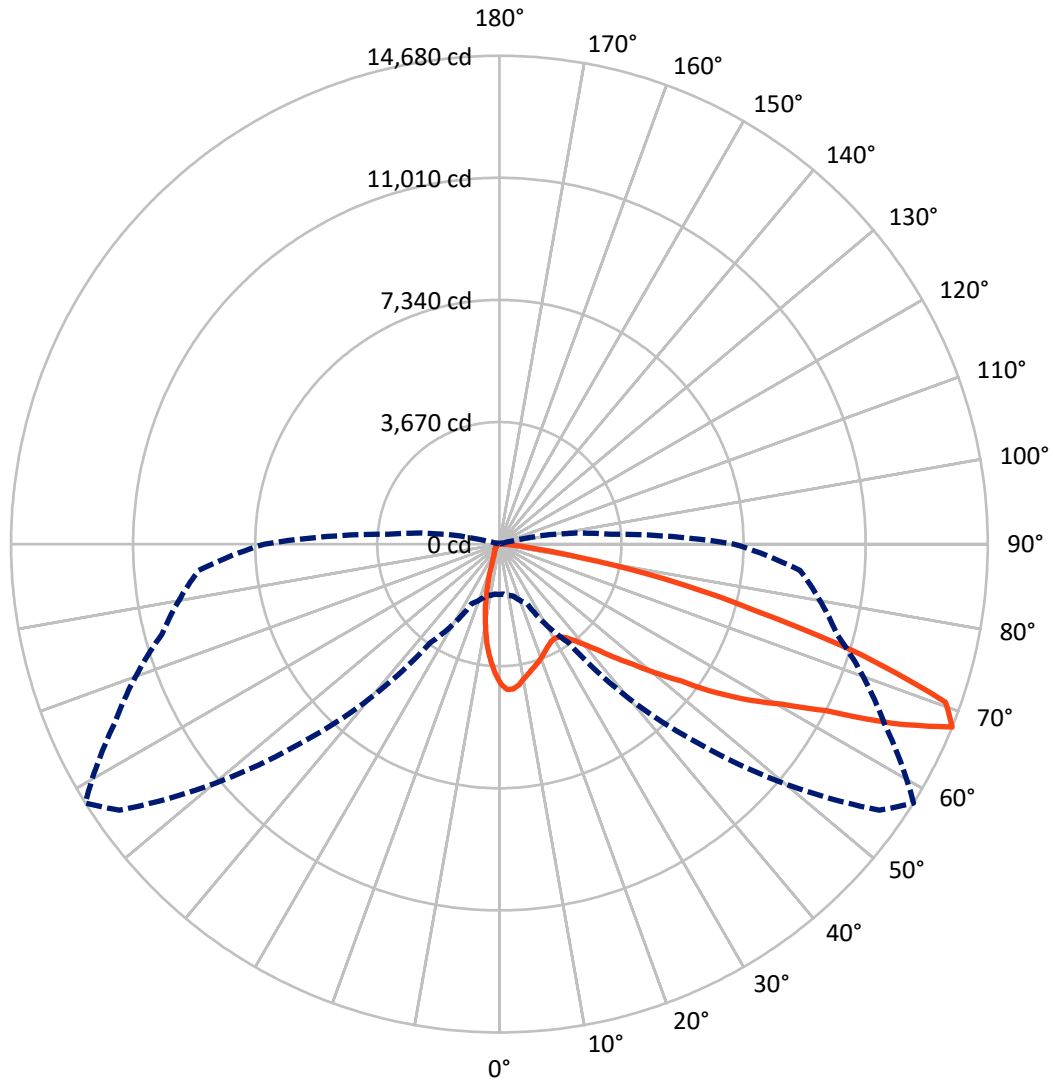
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.5 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	1417.4	0.0	1417.4
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	13091.4	0.0	13091.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	14508.8	0.0	14508.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.1	2.3
10°-20°	707.9	4.9
20°-30°	954.7	6.6
30°-40°	1341.5	9.2
40°-50°	2071.8	14.3
50°-60°	3313.1	22.8
60°-70°	3923.0	27.0
70°-80°	1735.4	12.0
80°-90°	121.3	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°	14508.8	100.0
0°-180°	14508.8	100.0

Coefficient of Utilization



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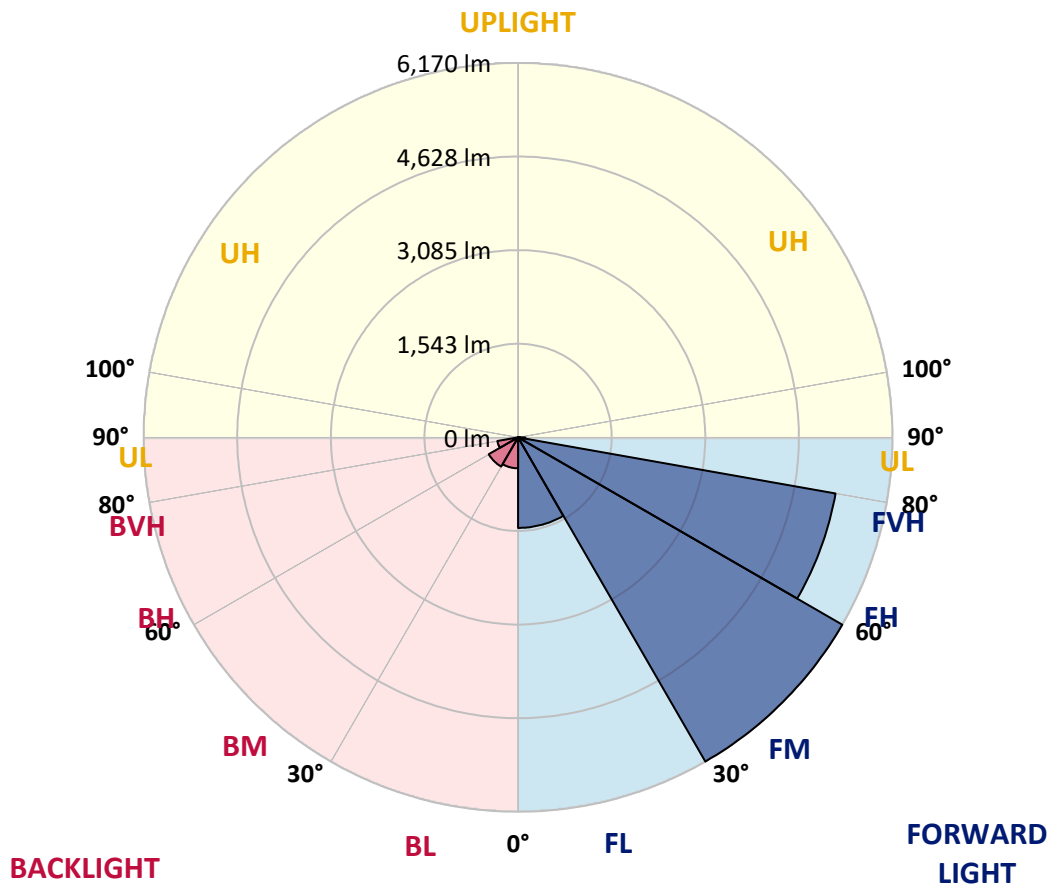
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1492.6	10.3			
FM (30°-60°)	6170.3	42.5			
FH (60°-80°)	5312.4	36.6			G3/7500
FVH (80°-90°)	116.2	0.8			G2/225
BL (0°-30°)	510.1	3.5	B2/1000		
BM (30°-60°)	556.1	3.8	B1/1000		
BH (60°-80°)	346.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4185.0	4185.0	4185.0	4185.0	4185.0	4185.0	4185.0	4185.0	4185.0	4185.0	4185.0
2.5°	4402.0	4409.7	4420.0	4432.9	4430.3	4418.7	4404.6	4372.5	4352.0	4287.8	4209.4
5°	4260.8	4259.5	4285.2	4309.6	4353.2	4376.4	4408.5	4378.9	4368.7	4291.6	4164.5
7.5°	3984.7	3998.8	4028.4	4066.9	4129.8	4197.9	4274.9	4265.9	4296.7	4245.4	4087.4
10°	3713.7	3706.0	3752.3	3810.0	3906.4	3993.7	4105.4	4104.1	4185.0	4179.9	4000.1
12.5°	3476.2	3474.9	3510.8	3576.3	3689.3	3811.3	3962.9	3966.7	4066.9	4108.0	3925.6
15°	3275.8	3278.4	3313.1	3381.1	3498.0	3647.0	3822.9	3855.0	3968.0	4051.5	3852.4
17.5°	3133.3	3134.6	3155.1	3214.2	3328.5	3487.7	3699.6	3743.3	3888.4	4009.1	3793.4
20°	3067.8	3062.7	3066.5	3096.1	3184.7	3329.8	3573.8	3630.3	3815.2	3979.6	3739.4
22.5°	3076.8	3069.1	3051.1	3047.3	3087.1	3197.5	3440.2	3509.6	3735.6	3961.6	3690.6
25°	3156.4	3139.7	3114.0	3075.5	3060.1	3115.3	3323.4	3395.3	3661.1	3962.9	3653.4
27.5°	3278.4	3260.4	3228.3	3177.0	3116.6	3093.5	3243.7	3311.8	3608.4	3992.4	3635.4
30°	3433.8	3419.7	3388.9	3327.2	3246.3	3151.3	3227.0	3283.6	3582.8	4052.8	3643.1
32.5°	3617.4	3607.2	3581.5	3525.0	3432.5	3287.4	3283.6	3327.2	3603.3	4140.1	3672.6
35°	3794.6	3798.5	3799.8	3769.0	3670.1	3494.2	3438.9	3454.3	3688.1	4271.1	3739.4
37.5°	3986.0	3977.0	4023.2	4045.0	3950.0	3762.5	3679.1	3680.4	3849.9	4465.0	3865.3
40°	4131.1	4133.7	4233.8	4323.7	4283.9	4102.8	3983.4	3982.1	4099.0	4730.8	4068.2
42.5°	4267.2	4283.9	4431.6	4585.7	4640.9	4480.4	4394.3	4362.2	4448.3	5090.3	4372.5
45°	4412.3	4436.7	4643.5	4863.0	5008.2	4913.1	4845.1	4857.9	4868.2	5509.0	4782.1
47.5°	4581.8	4597.2	4852.8	5162.3	5433.2	5408.8	5412.7	5397.2	5392.1	6036.8	5324.1
50°	4787.3	4823.2	5117.3	5487.1	5857.0	6018.8	6072.7	6079.1	5995.7	6612.0	5885.2
52.5°	5223.9	5267.6	5519.2	5842.8	6319.3	6659.6	6879.1	6835.5	6707.1	7169.4	6500.3
55°	5738.8	5772.2	6014.9	6350.1	6884.3	7362.0	7883.3	7865.4	7550.8	7756.2	7006.3
57.5°	5787.6	5824.9	6201.1	6714.8	7609.8	8230.1	8778.4	8836.2	8375.2	8172.3	7458.3
60°	5239.3	5315.1	5828.7	6519.6	7887.2	9397.4	9759.5	9771.0	8980.0	8594.8	8010.5
62.5°	4199.1	4235.1	4752.6	5654.1	7459.6	10077.9	11258.1	11014.1	9756.9	9248.4	8885.0
65°	2201.0	2347.4	2798.1	3795.9	6049.6	9840.4	13061.0	12994.2	11154.1	10184.5	9565.6
67.5°	1510.2	1508.9	1615.5	1978.9	3607.2	8472.8	13945.8	14680.3	12769.5	10505.6	9072.5
70°	1149.3	1153.2	1248.2	1484.5	1868.4	5640.0	12975.0	14230.9	13070.0	9538.6	7337.6
72.5°	762.8	770.5	928.4	1199.4	1492.2	2764.8	10083.1	11386.5	10997.4	7661.2	5164.8
75°	455.9	462.3	575.3	871.9	1326.5	1547.4	6406.6	7871.8	7570.0	5280.4	2768.6
77.5°	187.5	192.6	295.4	543.2	970.8	1202.0	3542.9	5150.7	4534.3	2099.6	756.4
80°	78.3	80.9	142.5	380.1	699.9	753.8	1641.1	2420.6	1858.2	452.0	231.1
82.5°	28.3	29.5	52.6	209.3	435.3	567.6	828.3	956.7	523.9	147.7	124.6
85°	1.3	1.3	12.8	70.6	165.7	160.5	473.8	458.4	173.4	61.6	74.5
87.5°	0.0	0.0	1.3	1.3	2.6	6.4	44.9	79.6	37.2	15.4	32.1
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°	4185.0	4185.0	4185.0	4185.0	4185.0	4185.0	4185.0	4185.0	4185.0	4185.0	4185.0
2.5°	4158.1	4090.0	4015.5	3946.2	3835.7	3770.2	3689.3	3653.4	3602.0	3589.2	3596.9
5°	4073.3	3956.4	3777.9	3616.1	3406.8	3238.6	3069.1	2997.2	2904.7	2843.1	2817.4
7.5°	3953.9	3801.1	3522.4	3228.3	2940.7	2633.8	2400.1	2246.0	2106.0	2028.9	2013.5
10°	3833.2	3634.1	3234.8	2813.6	2368.0	2000.7	1684.8	1451.1	1261.0	1175.0	1108.2
12.5°	3708.6	3460.8	2942.0	2392.4	1874.8	1374.0	983.7	756.4	620.2	566.3	575.3
15°	3594.3	3293.8	2651.8	1971.2	1320.1	829.6	543.2	458.4	426.3	416.1	414.8
17.5°	3485.2	3135.9	2362.8	1561.5	870.6	508.5	416.1	395.5	386.5	381.4	381.4
20°	3386.3	2984.3	2080.3	1176.3	562.5	403.2	376.3	366.0	358.3	354.4	354.4
22.5°	3293.8	2838.0	1804.2	832.1	414.8	362.1	345.4	335.2	326.2	321.0	321.0
25°	3210.4	2705.7	1541.0	572.7	357.0	331.3	313.3	301.8	286.4	277.4	277.4
27.5°	3150.0	2587.5	1288.0	417.3	322.3	297.9	277.4	262.0	245.3	235.0	232.4
30°	3114.0	2487.4	1032.5	342.9	290.2	265.8	242.7	223.4	204.2	193.9	192.6
32.5°	3093.5	2394.9	798.7	299.2	263.2	235.0	209.3	188.8	169.5	157.9	156.7
35°	3101.2	2323.0	598.4	269.7	237.6	208.0	179.8	159.2	142.5	132.3	129.7
37.5°	3168.0	2290.9	449.4	246.6	215.7	184.9	155.4	136.1	120.7	113.0	111.7
40°	3297.7	2297.3	353.1	228.6	197.8	161.8	133.6	115.6	104.0	97.6	96.3
42.5°	3499.3	2351.3	291.5	213.2	178.5	141.3	115.6	101.4	89.9	83.5	82.2
45°	3799.8	2463.0	254.3	195.2	157.9	122.0	100.2	87.3	77.0	69.3	68.1
47.5°	4235.1	2656.9	229.9	178.5	140.0	105.3	86.0	73.2	64.2	57.8	56.5
50°	4698.7	2889.3	209.3	161.8	124.6	91.2	73.2	60.4	52.6	46.2	44.9
52.5°	5193.1	3139.7	193.9	146.4	110.4	78.3	61.6	50.1	42.4	36.0	34.7
55°	5668.2	3391.4	175.9	136.1	93.7	66.8	51.4	41.1	33.4	28.3	28.3
57.5°	6130.5	3622.6	156.7	119.4	77.0	56.5	42.4	33.4	27.0	23.1	21.8
60°	6682.7	3942.3	134.8	101.4	64.2	47.5	34.7	27.0	21.8	18.0	18.0
62.5°	7503.2	4274.9	115.6	84.8	53.9	39.8	28.3	21.8	18.0	15.4	14.1
65°	7771.6	4095.1	97.6	69.3	43.7	32.1	23.1	19.3	15.4	14.1	12.8
67.5°	7055.1	3356.7	80.9	56.5	36.0	27.0	20.5	16.7	14.1	12.8	11.6
70°	5505.1	2382.1	62.9	42.4	29.5	21.8	18.0	15.4	12.8	11.6	11.6
72.5°	3744.6	1408.7	50.1	32.1	24.4	19.3	15.4	14.1	12.8	11.6	10.3
75°	1844.0	500.8	38.5	24.4	19.3	16.7	14.1	12.8	11.6	10.3	10.3
77.5°	497.0	138.7	29.5	19.3	15.4	12.8	12.8	12.8	11.6	9.0	9.0
80°	168.2	57.8	21.8	14.1	12.8	10.3	9.0	11.6	10.3	9.0	7.7
82.5°	92.5	28.3	15.4	11.6	9.0	7.7	7.7	7.7	7.7	6.4	6.4
85°	59.1	15.4	10.3	9.0	9.0	6.4	5.1	5.1	3.9	3.9	3.9
87.5°	27.0	9.0	9.0	7.7	7.7	6.4	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)