

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: P639245

Luminaire Tested: GWS-SA5B-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639245
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14380.8 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

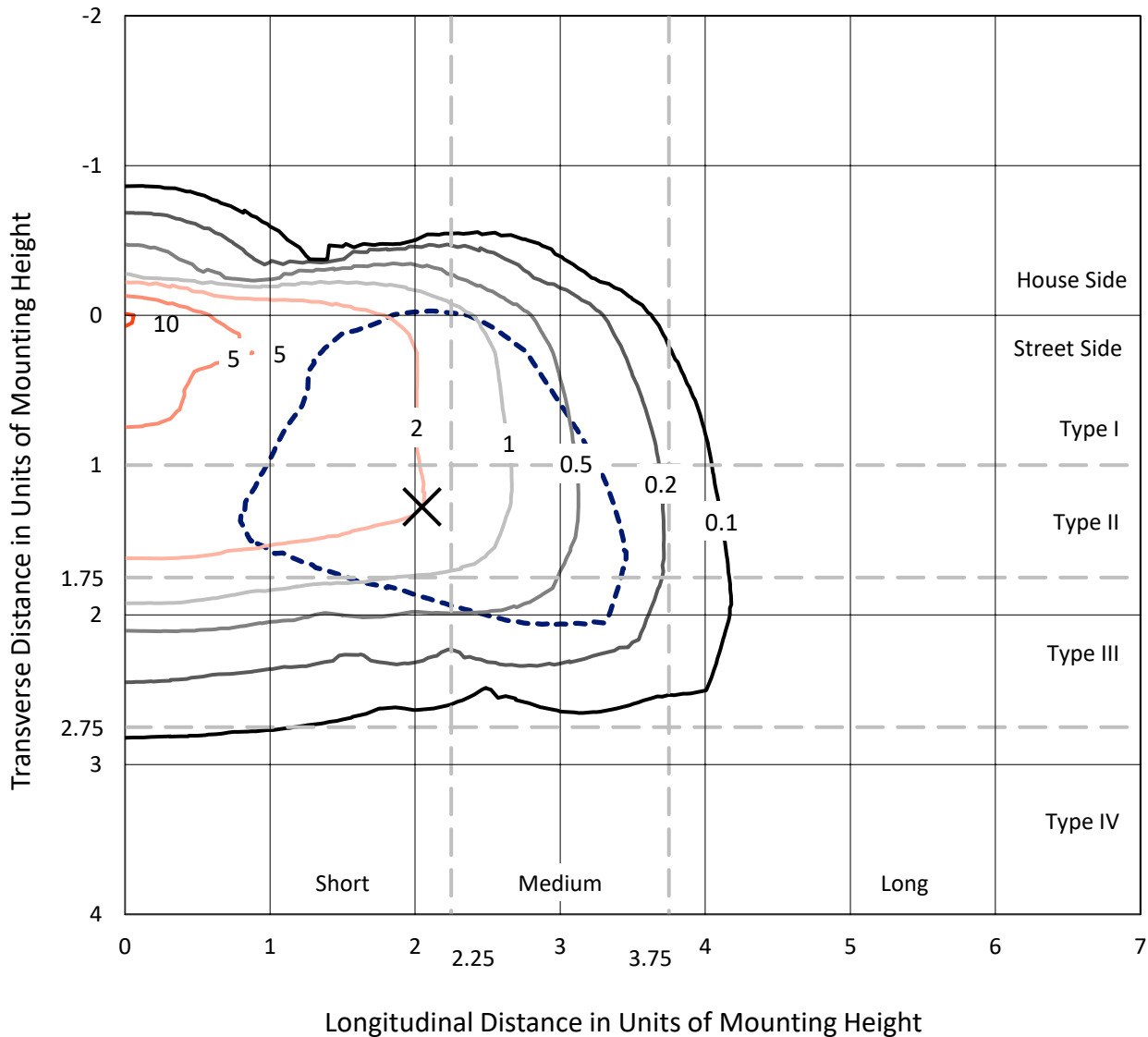
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

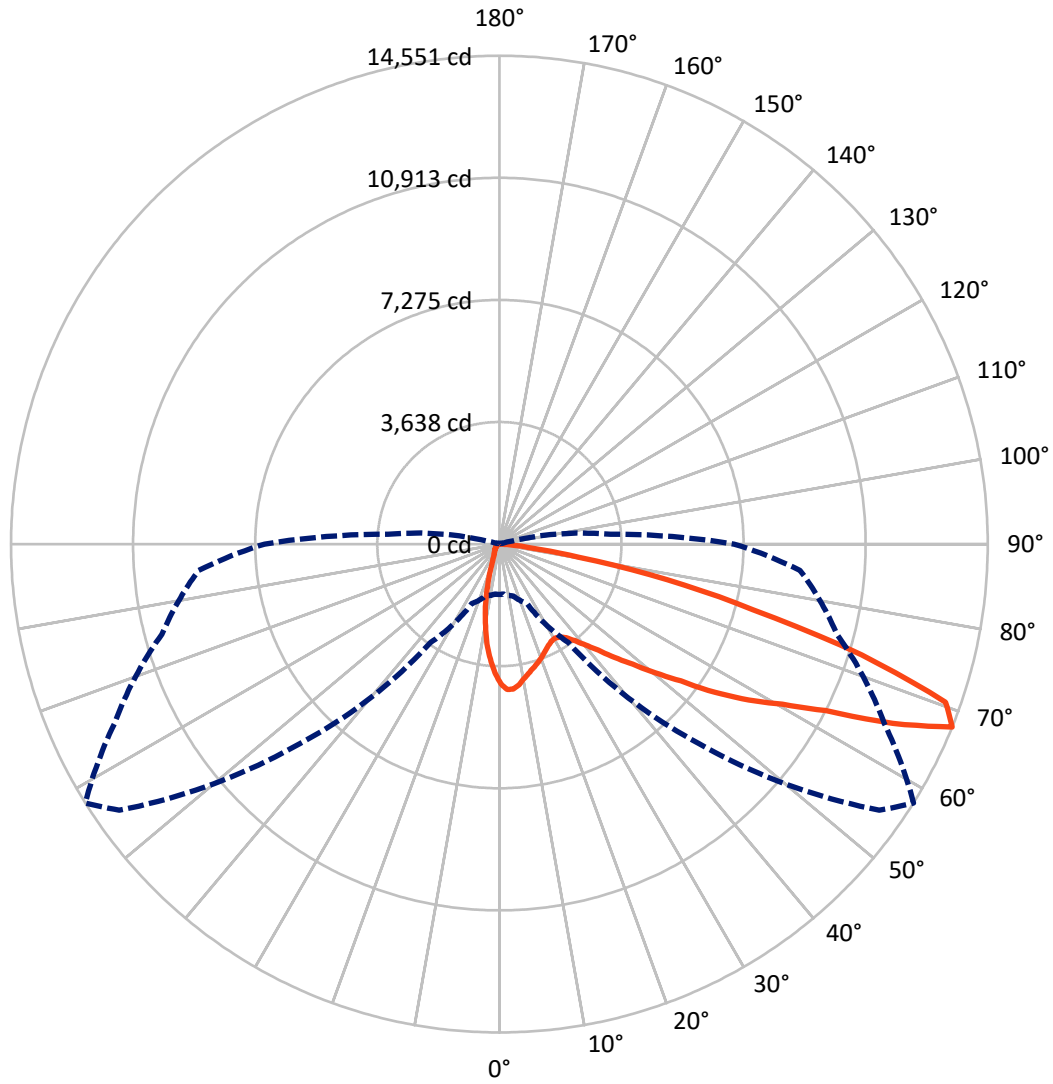
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.4 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	1404.9	0.0	1404.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	12975.9	0.0	12975.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	14380.8	0.0	14380.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.1	2.3
10°-20°	701.7	4.9
20°-30°	946.2	6.6
30°-40°	1329.7	9.2
40°-50°	2053.5	14.3
50°-60°	3283.9	22.8
60°-70°	3888.4	27.0
70°-80°	1720.1	12.0
80°-90°	120.3	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°	14380.8	100.0
0°-180°	14380.8	100.0

Coefficient of Utilization

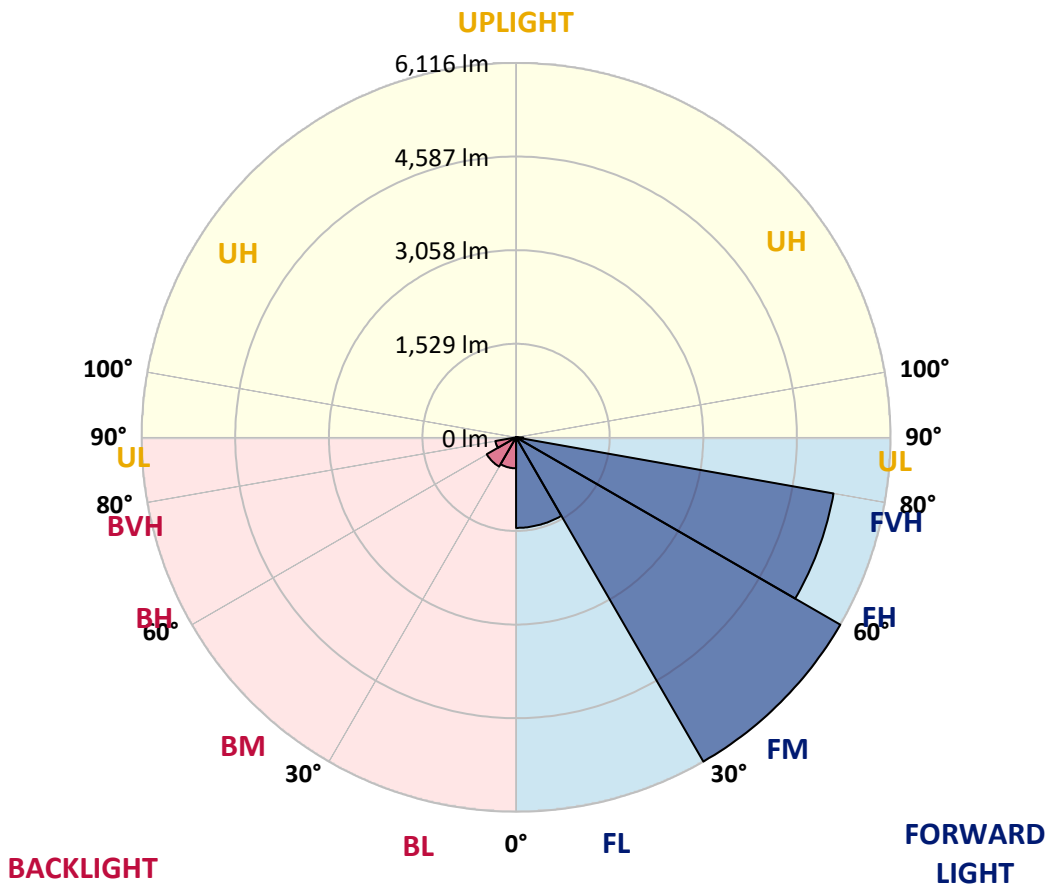


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1479.4	10.3			
FM (30°-60°)	6115.9	42.5			
FH (60°-80°)	5265.5	36.6			G3/7500
FVH (80°-90°)	115.1	0.8			G2/225
BL (0°-30°)	505.6	3.5	B2/1000		
BM (30°-60°)	551.2	3.8	B1/1000		
BH (60°-80°)	343.0	2.4	B1/500		G1/500
BVH (80°-90°)	5.1	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°	4148.1	4148.1	4148.1	4148.1	4148.1	4148.1	4148.1	4148.1	4148.1	4148.1	4148.1
2.5°	4363.2	4370.8	4381.0	4393.8	4391.2	4379.7	4365.7	4333.9	4313.6	4249.9	4172.3
5°	4223.2	4221.9	4247.4	4271.6	4314.8	4337.7	4369.6	4340.3	4330.1	4253.7	4127.7
7.5°	3949.5	3963.5	3992.8	4031.0	4093.4	4160.8	4237.2	4228.3	4258.8	4207.9	4051.4
10°	3681.0	3673.3	3719.2	3776.4	3871.9	3958.4	4069.2	4067.9	4148.1	4143.0	3964.8
12.5°	3445.5	3444.2	3479.9	3544.8	3656.8	3777.7	3927.9	3931.7	4031.0	4071.7	3891.0
15°	3246.9	3249.5	3283.9	3351.3	3467.1	3614.8	3789.2	3821.0	3933.0	4015.7	3818.4
17.5°	3105.7	3106.9	3127.3	3185.9	3299.1	3457.0	3667.0	3710.2	3854.1	3973.7	3759.9
20°	3040.8	3035.7	3039.5	3068.8	3156.6	3300.4	3542.2	3598.2	3781.5	3944.4	3706.4
22.5°	3049.7	3042.0	3024.2	3020.4	3059.8	3169.3	3409.9	3478.6	3702.6	3926.6	3658.1
25°	3128.6	3112.0	3086.6	3048.4	3033.1	3087.8	3294.0	3365.3	3628.8	3927.9	3621.2
27.5°	3249.5	3231.7	3199.9	3148.9	3089.1	3066.2	3215.1	3282.6	3576.6	3957.2	3603.3
30°	3403.5	3389.5	3359.0	3297.9	3217.7	3123.5	3198.6	3254.6	3551.1	4017.0	3611.0
32.5°	3585.5	3575.3	3549.9	3493.9	3402.2	3258.4	3254.6	3297.9	3571.5	4103.5	3640.2
35°	3761.2	3765.0	3766.3	3735.7	3637.7	3463.3	3408.6	3423.9	3655.5	4233.4	3706.4
37.5°	3950.8	3941.9	3987.7	4009.4	3915.2	3729.3	3646.6	3647.9	3815.9	4425.6	3831.2
40°	4094.6	4097.2	4196.5	4285.6	4246.1	4066.6	3948.3	3947.0	4062.8	4689.0	4032.3
42.5°	4229.6	4246.1	4392.5	4545.2	4599.9	4440.8	4355.6	4323.7	4409.0	5045.4	4333.9
45°	4373.4	4397.6	4602.5	4820.1	4964.0	4869.8	4802.3	4815.1	4825.2	5460.4	4740.0
47.5°	4541.4	4556.7	4810.0	5116.7	5385.3	5361.1	5364.9	5349.6	5344.5	5983.5	5277.1
50°	4745.0	4780.7	5072.2	5438.7	5805.3	5965.7	6019.1	6025.5	5942.8	6553.7	5833.3
52.5°	5177.8	5221.1	5470.6	5791.3	6263.5	6600.8	6818.5	6775.2	6647.9	7106.1	6443.0
55°	5688.2	5721.3	5961.9	6294.1	6823.6	7297.0	7813.8	7796.0	7484.1	7687.8	6944.5
57.5°	5736.6	5773.5	6146.4	6655.5	7542.7	8157.5	8700.9	8758.2	8301.3	8100.2	7392.5
60°	5193.1	5268.2	5777.3	6462.1	7817.6	9314.4	9673.4	9684.8	8900.8	8518.9	7939.8
62.5°	4162.1	4197.7	4710.7	5604.2	7393.8	9989.0	11158.8	10916.9	9670.8	9166.8	8806.6
65°	2181.6	2326.7	2773.5	3762.4	5996.2	9753.6	12945.8	12879.6	11055.7	10094.7	9481.2
67.5°	1496.8	1495.6	1601.2	1961.4	3575.3	8398.0	13822.7	14550.8	12656.9	10412.9	8992.4
70°	1139.2	1143.0	1237.2	1471.4	1851.9	5590.2	12860.5	14105.3	12954.7	9454.5	7272.9
72.5°	756.1	763.7	920.2	1188.8	1479.0	2740.4	9994.1	11286.0	10900.4	7593.6	5119.3
75°	451.8	458.2	570.2	864.2	1314.8	1533.7	6350.1	7802.3	7503.2	5233.8	2744.2
77.5°	185.8	190.9	292.7	538.4	962.2	1191.4	3511.7	5105.3	4494.3	2081.0	749.7
80°	77.6	80.2	141.3	376.8	693.7	747.1	1626.7	2399.3	1841.8	448.0	229.1
82.5°	28.0	29.3	52.2	207.5	431.5	562.6	821.0	948.2	519.3	146.4	123.5
85°	1.3	1.3	12.7	70.0	164.2	159.1	469.7	454.4	171.8	61.1	73.8
87.5°	0.0	0.0	1.3	1.3	2.5	6.4	44.5	78.9	36.9	15.3	31.8
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°	4148.1	4148.1	4148.1	4148.1	4148.1	4148.1	4148.1	4148.1	4148.1	4148.1	4148.1
2.5°	4121.4	4053.9	3980.1	3911.4	3801.9	3737.0	3656.8	3621.2	3570.2	3557.5	3565.1
5°	4037.4	3921.5	3744.6	3584.2	3376.8	3210.0	3042.0	2970.7	2879.1	2818.0	2792.6
7.5°	3919.0	3767.5	3491.3	3199.9	2914.7	2610.5	2378.9	2226.1	2087.4	2011.0	1995.8
10°	3799.3	3602.1	3206.2	2788.7	2347.1	1983.0	1669.9	1438.3	1249.9	1164.6	1098.4
12.5°	3675.9	3430.2	2916.0	2371.3	1858.3	1361.9	975.0	749.7	614.8	561.3	570.2
15°	3562.6	3264.8	2628.4	1953.8	1308.5	822.2	538.4	454.4	422.6	412.4	411.1
17.5°	3454.4	3108.2	2342.0	1547.7	863.0	504.0	412.4	392.0	383.1	378.0	378.0
20°	3356.4	2958.0	2062.0	1165.9	557.5	399.7	372.9	362.8	355.1	351.3	351.3
22.5°	3264.8	2812.9	1788.3	824.8	411.1	358.9	342.4	332.2	323.3	318.2	318.2
25°	3182.0	2681.8	1527.4	567.7	353.8	328.4	310.6	299.1	283.8	274.9	274.9
27.5°	3122.2	2564.7	1276.6	413.7	319.5	295.3	274.9	259.7	243.1	232.9	230.4
30°	3086.6	2465.4	1023.3	339.8	287.7	263.5	240.6	221.5	202.4	192.2	190.9
32.5°	3066.2	2373.8	791.7	296.6	260.9	232.9	207.5	187.1	168.0	156.6	155.3
35°	3073.8	2302.5	593.1	267.3	235.5	206.2	178.2	157.8	141.3	131.1	128.6
37.5°	3140.0	2270.7	445.5	244.4	213.8	183.3	154.0	134.9	119.6	112.0	110.7
40°	3268.6	2277.1	350.0	226.6	196.0	160.4	132.4	114.6	103.1	96.7	95.5
42.5°	3468.4	2330.5	288.9	211.3	176.9	140.0	114.6	100.6	89.1	82.7	81.5
45°	3766.3	2441.3	252.0	193.5	156.6	120.9	99.3	86.6	76.4	68.7	67.5
47.5°	4197.7	2633.5	227.8	176.9	138.7	104.4	85.3	72.6	63.6	57.3	56.0
50°	4657.2	2863.8	207.5	160.4	123.5	90.4	72.6	59.8	52.2	45.8	44.5
52.5°	5147.3	3112.0	192.2	145.1	109.5	77.6	61.1	49.6	42.0	35.6	34.4
55°	5618.2	3361.5	174.4	134.9	92.9	66.2	50.9	40.7	33.1	28.0	28.0
57.5°	6076.4	3590.6	155.3	118.4	76.4	56.0	42.0	33.1	26.7	22.9	21.6
60°	6623.7	3907.5	133.6	100.6	63.6	47.1	34.4	26.7	21.6	17.8	17.8
62.5°	7437.0	4237.2	114.6	84.0	53.5	39.5	28.0	21.6	17.8	15.3	14.0
65°	7703.1	4059.0	96.7	68.7	43.3	31.8	22.9	19.1	15.3	14.0	12.7
67.5°	6992.8	3327.1	80.2	56.0	35.6	26.7	20.4	16.5	14.0	12.7	11.5
70°	5456.5	2361.1	62.4	42.0	29.3	21.6	17.8	15.3	12.7	11.5	11.5
72.5°	3711.5	1396.3	49.6	31.8	24.2	19.1	15.3	14.0	12.7	11.5	10.2
75°	1827.8	496.4	38.2	24.2	19.1	16.5	14.0	12.7	11.5	10.2	10.2
77.5°	492.6	137.5	29.3	19.1	15.3	12.7	12.7	12.7	11.5	8.9	8.9
80°	166.7	57.3	21.6	14.0	12.7	10.2	8.9	11.5	10.2	8.9	7.6
82.5°	91.6	28.0	15.3	11.5	8.9	7.6	7.6	7.6	7.6	6.4	6.4
85°	58.5	15.3	10.2	8.9	8.9	6.4	5.1	5.1	3.8	3.8	3.8
87.5°	26.7	8.9	8.9	7.6	7.6	6.4	3.8	2.5	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)