

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: P641500

Luminaire Tested: GWS-SA6B-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641500
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-SA6B-722-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12631.2 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

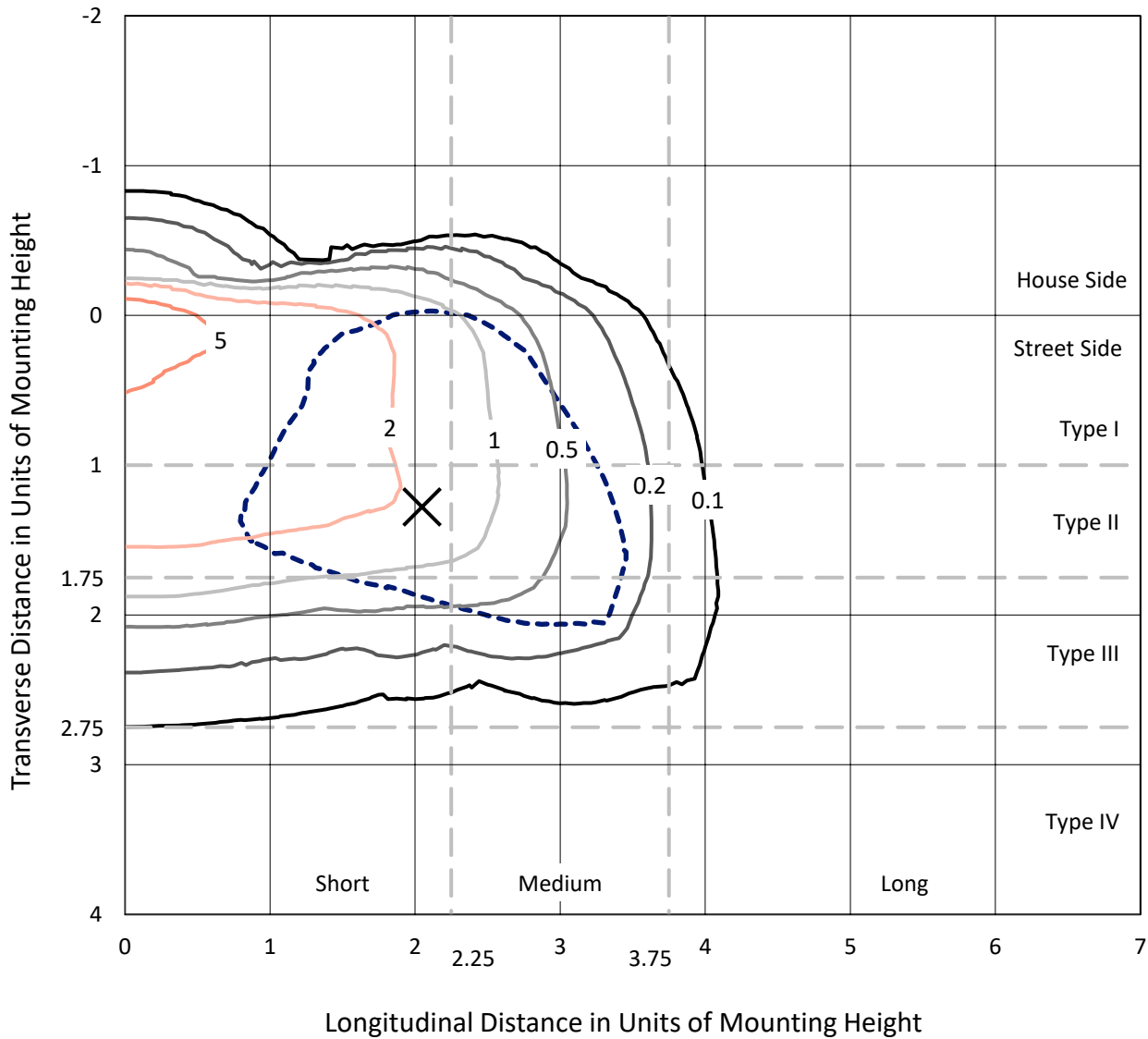
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

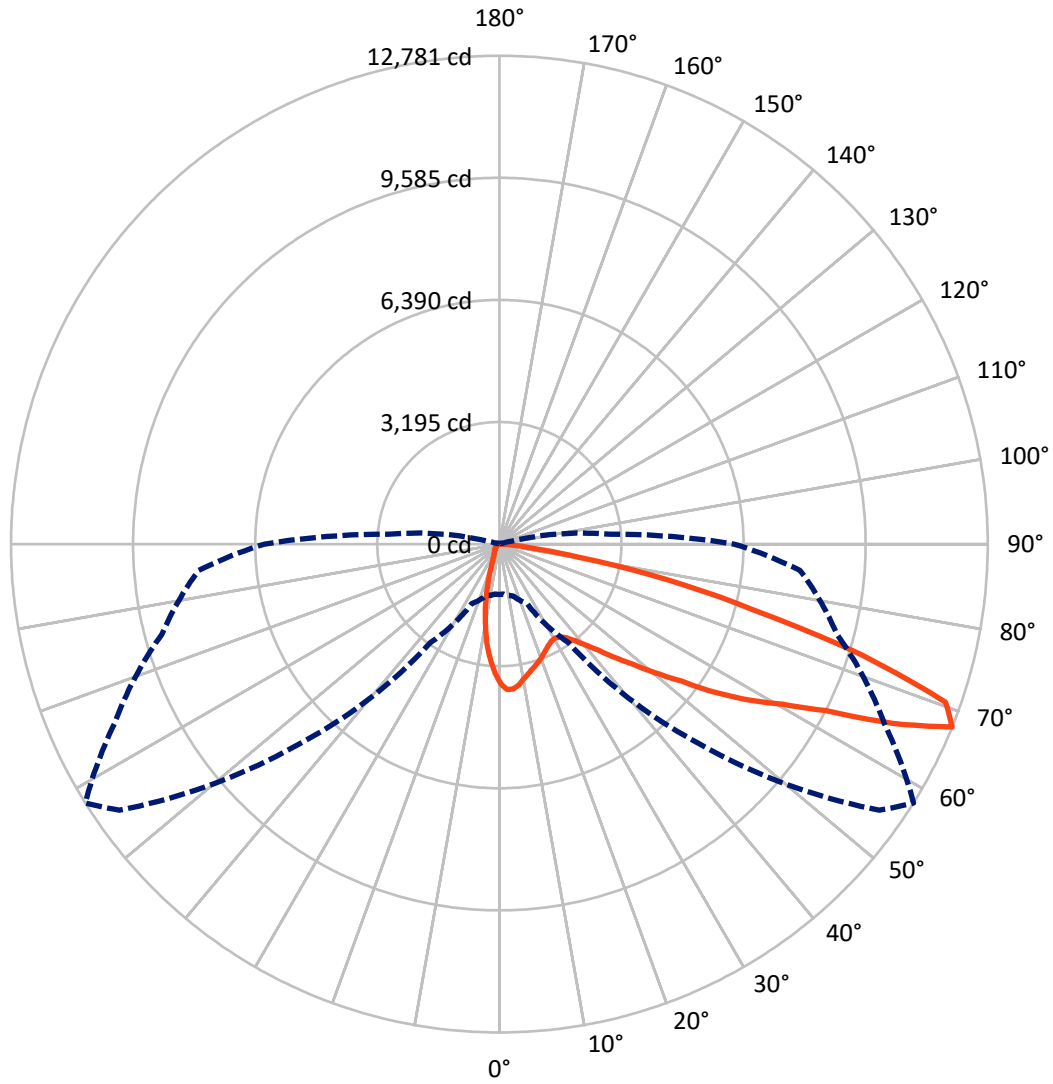
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.1 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	1234.0	0.0	1234.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	11397.2	0.0	11397.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	12631.2	0.0	12631.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.1	2.3
10°-20°	616.3	4.9
20°-30°	831.1	6.6
30°-40°	1167.9	9.2
40°-50°	1803.7	14.3
50°-60°	2884.4	22.8
60°-70°	3415.3	27.0
70°-80°	1510.8	12.0
80°-90°	105.6	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°	12631.2	100.0
0°-180°	12631.2	100.0

Coefficient of Utilization

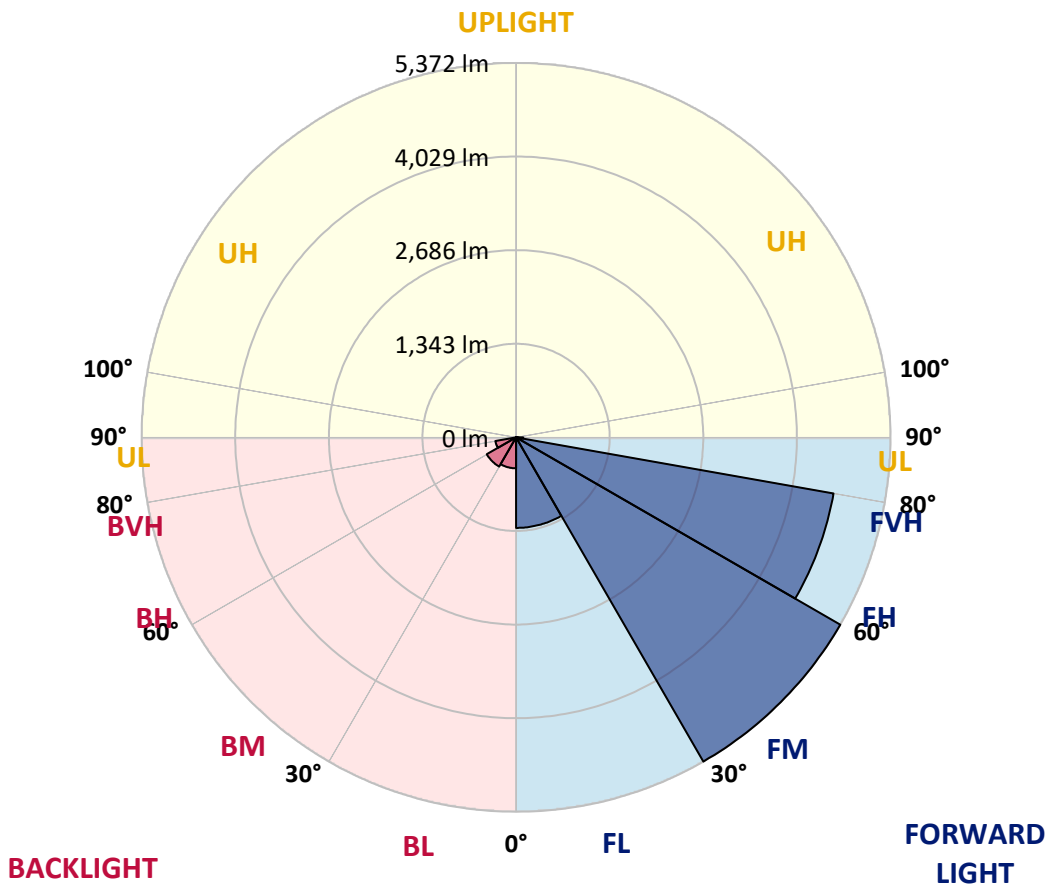


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1299.4	10.3			
FM (30°-60°)	5371.8	42.5			
FH (60°-80°)	4624.9	36.6			G2/5000
FVH (80°-90°)	101.1	0.8			G2/225
BL (0°-30°)	444.1	3.5	B1/500		
BM (30°-60°)	484.2	3.8	B1/1000		
BH (60°-80°)	301.3	2.4	B1/500		G1/500
BVH (80°-90°)	4.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3643.4	3643.4	3643.4	3643.4	3643.4	3643.4	3643.4	3643.4	3643.4	3643.4	3643.4
2.5°	3832.4	3839.1	3848.0	3859.2	3857.0	3846.9	3834.6	3806.7	3788.8	3732.9	3664.7
5°	3709.4	3708.3	3730.6	3751.9	3789.9	3810.0	3838.0	3812.2	3803.3	3736.2	3625.5
7.5°	3469.0	3481.3	3507.0	3540.6	3595.4	3654.6	3721.7	3713.9	3740.7	3696.0	3558.5
10°	3233.1	3226.4	3266.7	3317.0	3400.8	3476.9	3574.1	3573.0	3643.4	3639.0	3482.4
12.5°	3026.3	3025.2	3056.5	3113.5	3211.9	3318.1	3450.0	3453.4	3540.6	3576.4	3417.6
15°	2851.9	2854.2	2884.3	2943.6	3045.3	3175.0	3328.2	3356.1	3454.5	3527.2	3353.9
17.5°	2727.8	2728.9	2746.8	2798.3	2897.8	3036.4	3220.8	3258.9	3385.2	3490.3	3302.5
20°	2670.8	2666.3	2669.7	2695.4	2772.5	2898.9	3111.3	3160.5	3321.5	3464.6	3255.5
22.5°	2678.6	2671.9	2656.3	2652.9	2687.6	2783.7	2995.0	3055.4	3252.1	3448.9	3213.0
25°	2747.9	2733.4	2711.1	2677.5	2664.1	2712.2	2893.3	2955.9	3187.3	3450.0	3180.6
27.5°	2854.2	2838.5	2810.6	2765.8	2713.3	2693.2	2824.0	2883.2	3141.5	3475.7	3164.9
30°	2989.4	2977.1	2950.3	2896.6	2826.2	2743.5	2809.4	2858.6	3119.1	3528.3	3171.7
32.5°	3149.3	3140.3	3118.0	3068.8	2988.3	2862.0	2858.6	2896.6	3137.0	3604.3	3197.4
35°	3303.6	3306.9	3308.0	3281.2	3195.1	3042.0	2993.9	3007.3	3210.8	3718.3	3255.5
37.5°	3470.1	3462.3	3502.6	3521.6	3438.8	3275.6	3203.0	3204.1	3351.6	3887.1	3365.1
40°	3596.5	3598.7	3685.9	3764.2	3729.5	3571.9	3467.9	3466.8	3568.5	4118.6	3541.7
42.5°	3715.0	3729.5	3858.1	3992.2	4040.3	3900.6	3825.7	3797.7	3872.6	4431.6	3806.7
45°	3841.3	3862.6	4042.5	4233.7	4360.0	4277.3	4218.1	4229.2	4238.2	4796.0	4163.3
47.5°	3988.9	4002.3	4224.8	4494.2	4730.1	4708.8	4712.2	4698.8	4694.3	5255.5	4635.1
50°	4167.8	4199.1	4455.1	4777.0	5099.0	5239.9	5286.8	5292.4	5219.8	5756.4	5123.6
52.5°	4547.9	4585.9	4805.0	5086.7	5501.5	5797.7	5988.9	5950.9	5839.1	6241.6	5659.1
55°	4996.2	5025.2	5236.5	5528.3	5993.4	6409.3	6863.2	6847.5	6573.6	6752.5	6099.6
57.5°	5038.6	5071.1	5398.6	5845.8	6625.0	7165.0	7642.4	7692.7	7291.3	7114.7	6493.1
60°	4561.3	4627.2	5074.4	5675.9	6866.5	8181.2	8496.5	8506.6	7817.9	7482.5	6973.8
62.5°	3655.7	3687.0	4137.6	4922.4	6494.2	8773.7	9801.2	9588.7	8494.3	8051.5	7735.2
65°	1916.2	2043.6	2436.0	3304.7	5266.7	8566.9	11370.8	11312.6	9710.6	8866.5	8327.7
67.5°	1314.7	1313.6	1406.4	1722.8	3140.3	7376.3	12141.0	12780.5	11117.0	9146.0	7898.4
70°	1000.6	1003.9	1086.7	1292.4	1626.6	4910.1	11295.9	12389.2	11378.6	8304.2	6388.0
72.5°	664.1	670.8	808.3	1044.2	1299.1	2407.0	8778.2	9912.9	9574.2	6669.7	4496.4
75°	396.9	402.5	500.8	759.1	1154.9	1347.1	5577.5	6853.1	6590.4	4597.1	2410.3
77.5°	163.2	167.7	257.1	472.9	845.2	1046.4	3084.5	4484.1	3947.5	1827.9	658.5
80°	68.2	70.4	124.1	330.9	609.3	656.2	1428.8	2107.4	1617.7	393.5	201.2
82.5°	24.6	25.7	45.8	182.2	379.0	494.1	721.1	832.9	456.1	128.6	108.4
85°	1.1	1.1	11.2	61.5	144.2	139.7	412.5	399.1	150.9	53.7	64.8
87.5°	0.0	0.0	1.1	1.1	2.2	5.6	39.1	69.3	32.4	13.4	27.9
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°	3643.4	3643.4	3643.4	3643.4	3643.4	3643.4	3643.4	3643.4	3643.4	3643.4	3643.4
2.5°	3620.0	3560.7	3495.9	3435.5	3339.3	3282.3	3211.9	3180.6	3135.9	3124.7	3131.4
5°	3546.2	3444.4	3289.0	3148.2	2965.9	2819.5	2671.9	2609.3	2528.8	2475.2	2452.8
7.5°	3442.2	3309.2	3066.6	2810.6	2560.1	2292.9	2089.5	1955.3	1833.5	1766.4	1753.0
10°	3337.1	3163.8	2816.1	2449.4	2061.5	1741.8	1466.8	1263.3	1097.8	1022.9	964.8
12.5°	3228.7	3012.9	2561.2	2082.8	1632.2	1196.2	856.4	658.5	540.0	493.0	500.8
15°	3129.2	2867.6	2308.6	1716.1	1149.3	722.2	472.9	399.1	371.2	362.2	361.1
17.5°	3034.1	2730.1	2057.0	1359.4	758.0	442.7	362.2	344.3	336.5	332.0	332.0
20°	2948.1	2598.1	1811.1	1024.1	489.7	351.0	327.6	318.6	311.9	308.6	308.6
22.5°	2867.6	2470.7	1570.7	724.4	361.1	315.3	300.7	291.8	284.0	279.5	279.5
25°	2794.9	2355.5	1341.6	498.6	310.8	288.4	272.8	262.7	249.3	241.5	241.5
27.5°	2742.4	2252.7	1121.3	363.3	280.6	259.4	241.5	228.1	213.5	204.6	202.4
30°	2711.1	2165.5	898.8	298.5	252.7	231.4	211.3	194.5	177.8	168.8	167.7
32.5°	2693.2	2085.0	695.4	260.5	229.2	204.6	182.2	164.3	147.6	137.5	136.4
35°	2699.9	2022.4	521.0	234.8	206.8	181.1	156.5	138.6	124.1	115.1	112.9
37.5°	2758.0	1994.4	391.3	214.6	187.8	161.0	135.3	118.5	105.1	98.4	97.3
40°	2870.9	2000.0	307.4	199.0	172.2	140.9	116.3	100.6	90.6	85.0	83.8
42.5°	3046.4	2047.0	253.8	185.6	155.4	123.0	100.6	88.3	78.3	72.7	71.5
45°	3308.0	2144.2	221.4	169.9	137.5	106.2	87.2	76.0	67.1	60.4	59.3
47.5°	3687.0	2313.1	200.1	155.4	121.9	91.7	74.9	63.7	55.9	50.3	49.2
50°	4090.6	2515.4	182.2	140.9	108.4	79.4	63.7	52.5	45.8	40.2	39.1
52.5°	4521.0	2733.4	168.8	127.4	96.1	68.2	53.7	43.6	36.9	31.3	30.2
55°	4934.7	2952.5	153.2	118.5	81.6	58.1	44.7	35.8	29.1	24.6	24.6
57.5°	5337.1	3153.8	136.4	104.0	67.1	49.2	36.9	29.1	23.5	20.1	19.0
60°	5817.9	3432.1	117.4	88.3	55.9	41.4	30.2	23.5	19.0	15.7	15.7
62.5°	6532.2	3721.7	100.6	73.8	47.0	34.7	24.6	19.0	15.7	13.4	12.3
65°	6765.9	3565.2	85.0	60.4	38.0	27.9	20.1	16.8	13.4	12.3	11.2
67.5°	6142.1	2922.3	70.4	49.2	31.3	23.5	17.9	14.5	12.3	11.2	10.1
70°	4792.7	2073.8	54.8	36.9	25.7	19.0	15.7	13.4	11.2	10.1	10.1
72.5°	3260.0	1226.4	43.6	27.9	21.2	16.8	13.4	12.3	11.2	10.1	8.9
75°	1605.4	436.0	33.5	21.2	16.8	14.5	12.3	11.2	10.1	8.9	8.9
77.5°	432.7	120.7	25.7	16.8	13.4	11.2	11.2	11.2	10.1	7.8	7.8
80°	146.5	50.3	19.0	12.3	11.2	8.9	7.8	10.1	8.9	7.8	6.7
82.5°	80.5	24.6	13.4	10.1	7.8	6.7	6.7	6.7	6.7	5.6	5.6
85°	51.4	13.4	8.9	7.8	7.8	5.6	4.5	4.5	3.4	3.4	3.4
87.5°	23.5	7.8	7.8	6.7	6.7	5.6	3.4	2.2	1.1	1.1	1.1
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)