

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: P636051

Luminaire Tested: GWS-SA3F-722-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636051  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-722-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

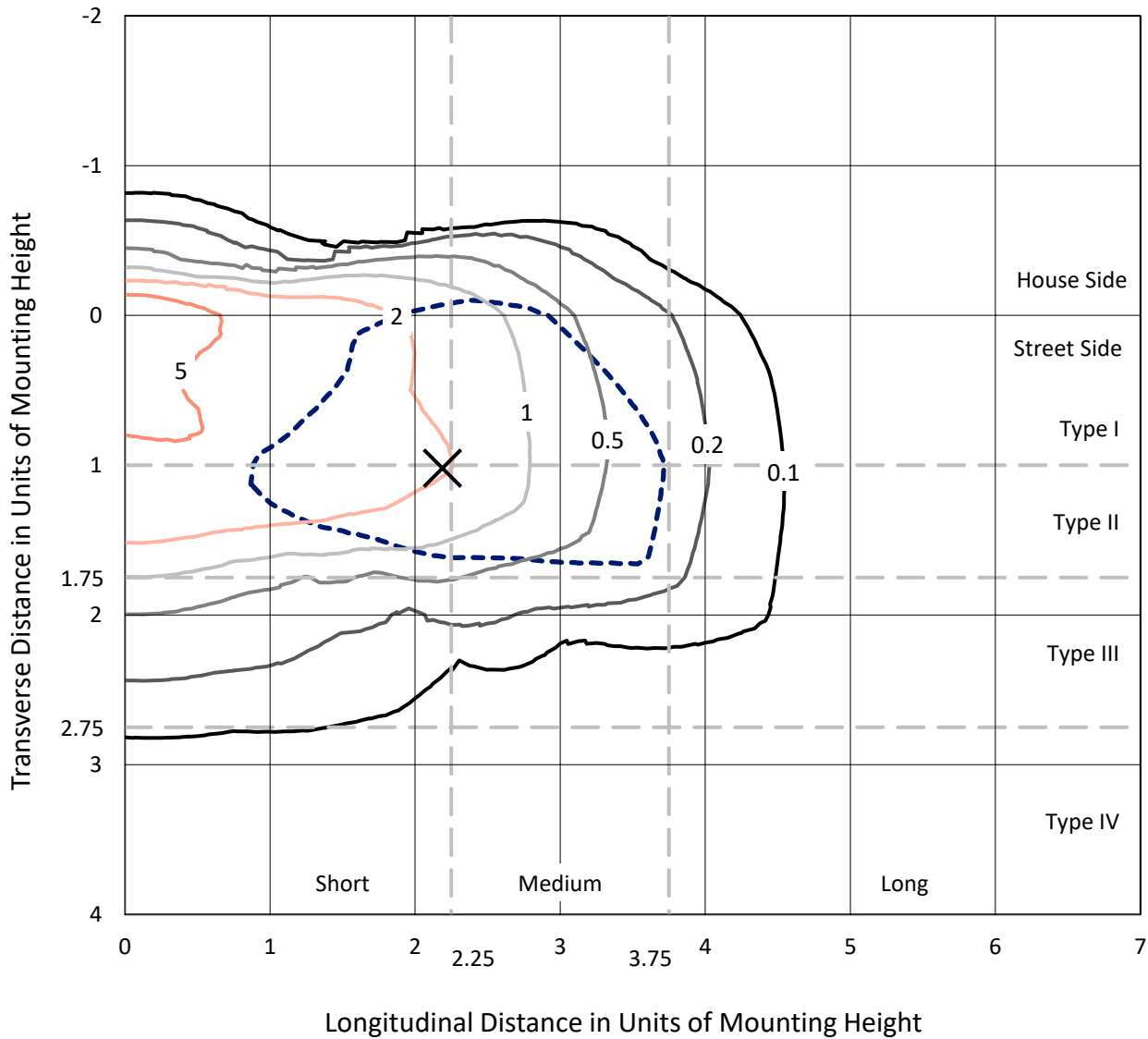
Lumens per Lamp: N/A  
Luminaire Lumens: 14277 lumens  
Efficiency: N/A  
Efficacy: 77.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

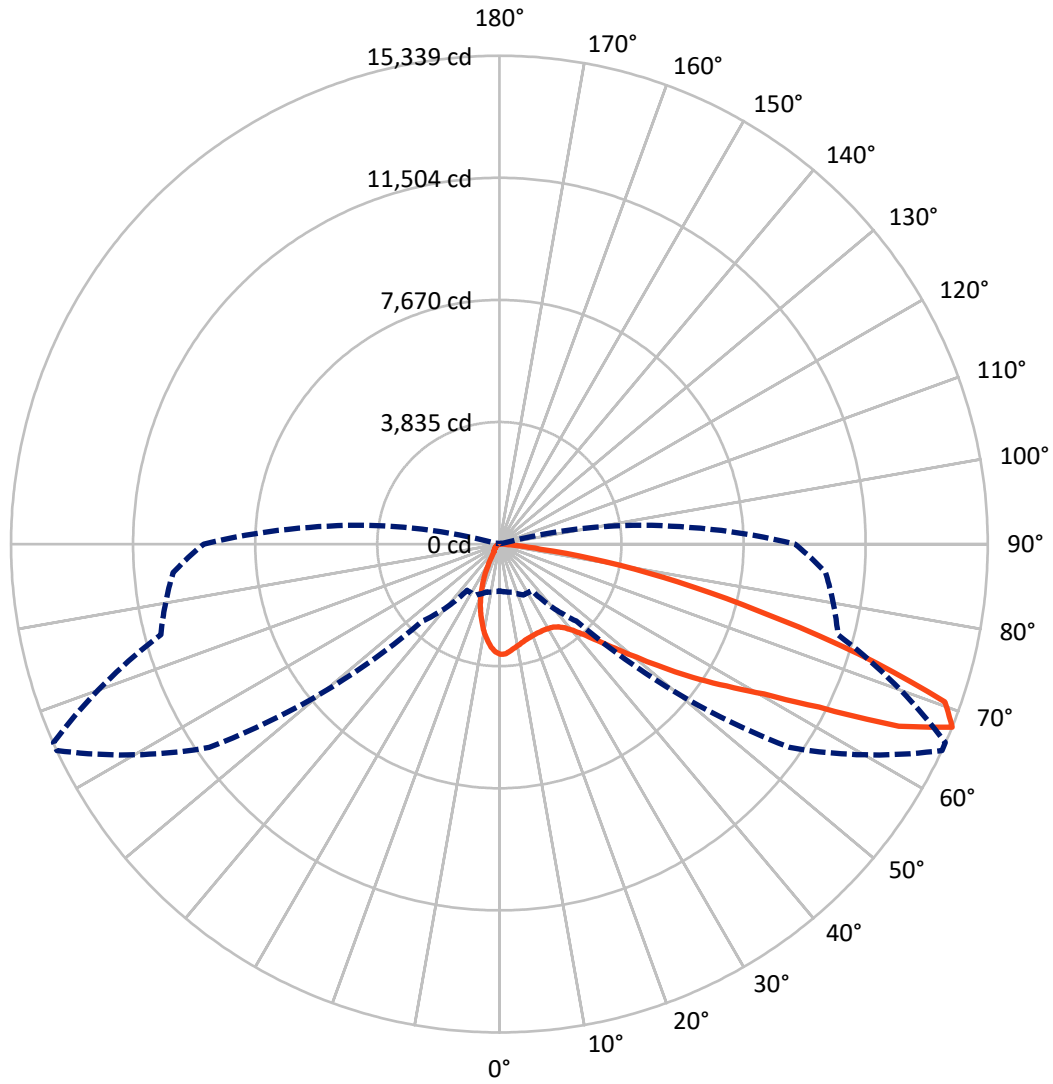
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1782.8	0.0	1782.8
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	12494.2	0.0	12494.2
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	14277.0	0.0	14277.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.6	2.0
10°-20°	646.5	4.5
20°-30°	923.8	6.5
30°-40°	1344.0	9.4
40°-50°	2104.9	14.7
50°-60°	3283.7	23.0
60°-70°	3607.0	25.3
70°-80°	1919.6	13.4
80°-90°	159.8	1.1
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°	14277.0	100.0
0°-180°	14277.0	100.0

**Coefficient of Utilization**

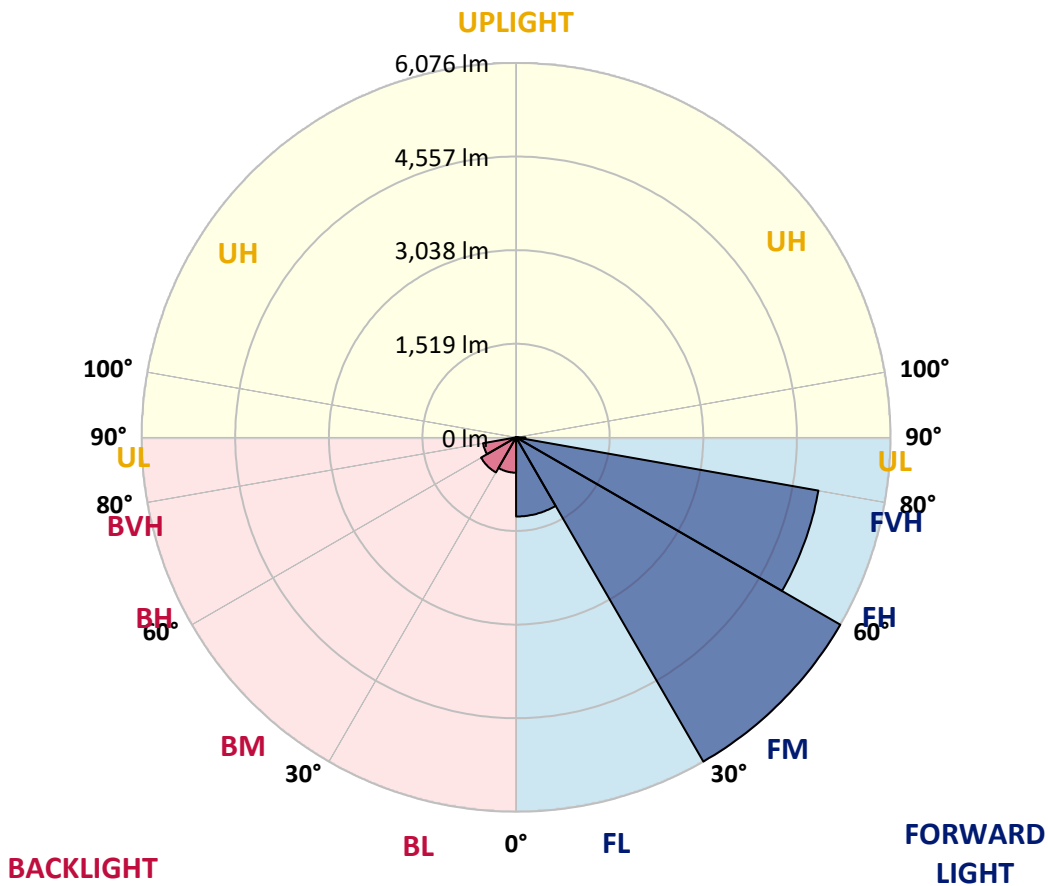


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1284.8	9.0			
FM (30°-60°)	6076.0	42.6			
FH (60°-80°)	4982.1	34.9			G2/5000
FVH (80°-90°)	151.3	1.1			G2/225
BL (0°-30°)	573.0	4.0	B2/1000		
BM (30°-60°)	656.7	4.6	B1/1000		
BH (60°-80°)	544.5	3.8	B2/1000		G2/1000
BVH (80°-90°)	8.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3462.6	3462.6	3462.6	3462.6	3462.6	3462.6	3462.6	3462.6	3462.6	3462.6	3462.6
2.5°	3342.6	3352.9	3338.7	3373.5	3380.0	3418.7	3440.7	3456.2	3454.9	3474.2	3474.2
5°	3146.3	3156.6	3148.9	3186.3	3216.0	3276.7	3327.1	3385.2	3387.7	3447.1	3469.1
7.5°	2979.8	2981.1	2981.1	3027.5	3066.3	3141.1	3216.0	3305.1	3315.4	3407.1	3465.2
10°	2842.9	2846.8	2848.1	2901.0	2943.6	3034.0	3129.5	3236.7	3248.3	3372.2	3462.6
12.5°	2748.7	2750.0	2755.1	2810.6	2857.1	2951.4	3048.2	3170.8	3186.3	3332.2	3451.0
15°	2703.5	2700.9	2703.5	2750.0	2796.4	2886.8	2986.2	3117.9	3134.7	3298.7	3452.3
17.5°	2700.9	2697.0	2694.4	2729.3	2759.0	2839.0	2939.7	3083.1	3101.1	3283.2	3466.5
20°	2738.3	2735.8	2722.8	2738.3	2744.8	2810.6	2910.0	3055.9	3074.0	3280.6	3497.5
22.5°	2836.5	2830.0	2810.6	2796.4	2761.6	2800.3	2889.4	3036.6	3057.2	3287.0	3537.5
25°	2982.3	2979.8	2955.2	2920.4	2831.3	2815.8	2890.7	3036.6	3055.9	3294.8	3580.1
27.5°	3201.8	3186.3	3155.4	3094.7	2966.9	2876.5	2916.5	3044.3	3063.7	3305.1	3615.0
30°	3425.2	3423.9	3413.6	3351.6	3161.8	2992.7	2970.7	3065.0	3083.1	3314.2	3647.2
32.5°	3656.3	3660.2	3686.0	3638.2	3430.3	3165.7	3068.8	3107.6	3120.5	3332.2	3675.6
35°	3875.8	3883.5	3951.9	3968.7	3757.0	3427.8	3228.9	3192.8	3194.1	3372.2	3713.1
37.5°	4086.2	4112.0	4221.8	4303.1	4163.7	3745.4	3460.0	3337.4	3327.1	3452.3	3769.9
40°	4325.1	4374.1	4512.3	4650.4	4606.5	4165.0	3775.1	3559.5	3537.5	3599.5	3871.9
42.5°	4589.7	4642.7	4826.0	5019.6	5040.3	4672.3	4168.8	3883.5	3846.1	3847.4	4063.0
45°	4873.8	4944.8	5157.8	5436.7	5561.9	5237.8	4654.3	4321.2	4283.7	4228.2	4370.2
47.5°	5246.9	5308.8	5514.1	5835.6	6075.7	5844.6	5290.8	4884.1	4815.7	4734.3	4847.9
50°	5568.3	5622.6	5799.4	6202.3	6701.9	6627.0	6012.5	5587.7	5521.9	5383.7	5478.0
52.5°	5639.3	5682.0	5844.6	6297.8	7180.9	7614.7	6896.8	6438.5	6392.0	6136.4	6172.6
55°	5320.5	5385.0	5530.9	6034.4	7306.1	8580.4	8044.6	7397.8	7300.9	6893.0	6957.5
57.5°	4514.8	4629.7	4766.6	5421.2	6966.6	9094.2	9648.1	8413.8	8326.0	7621.1	7622.4
60°	3309.0	3401.9	3493.6	4092.7	6160.9	9059.4	11103.1	9555.1	9395.0	8216.3	8194.4
62.5°	2406.5	2454.3	2453.0	2666.0	4230.8	8462.9	11867.4	11274.8	10901.7	8852.8	8727.6
65°	1892.7	1891.4	1946.9	2016.6	2362.6	6532.8	11961.7	13785.9	13383.1	9706.2	9445.4
67.5°	1473.1	1501.5	1557.0	1762.3	1775.2	3418.7	11132.8	15339.1	15331.3	11008.9	10285.9
70°	1136.1	1174.9	1253.6	1553.1	1639.6	1913.4	8329.9	14847.2	14972.4	11591.1	9690.7
72.5°	729.4	726.9	843.1	1254.9	1575.1	1594.5	4606.5	11793.8	11935.8	10498.9	7835.4
75°	408.0	410.6	476.4	768.2	1467.9	1500.2	2281.3	8410.0	8522.3	8185.3	6020.2
77.5°	160.1	165.3	223.4	404.1	968.3	1340.1	1355.6	5734.9	5751.7	5072.6	3692.4
80°	64.6	68.4	113.6	250.5	590.0	902.5	968.3	3378.7	3310.3	1963.7	1074.2
82.5°	19.4	20.7	45.2	142.0	308.6	641.7	653.3	1296.2	1223.9	422.2	273.7
85°	1.3	1.3	10.3	43.9	109.7	161.4	435.1	422.2	374.4	105.9	121.4
87.5°	0.0	0.0	1.3	1.3	2.6	5.2	46.5	77.5	78.8	19.4	54.2
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°	3462.6	3462.6	3462.6	3462.6	3462.6	3462.6	3462.6	3462.6	3462.6	3462.6	3462.6
2.5°	3474.2	3427.8	3423.9	3387.7	3351.6	3306.4	3253.5	3214.7	3187.6	3139.9	3130.8
5°	3469.1	3407.1	3349.0	3245.7	3130.8	3006.9	2898.4	2797.7	2734.5	2691.9	2673.8
7.5°	3458.7	3380.0	3245.7	3050.8	2858.4	2641.5	2472.4	2317.5	2211.6	2149.6	2122.5
10°	3451.0	3345.1	3126.9	2831.3	2533.1	2233.5	1976.6	1746.8	1619.0	1518.3	1501.5
12.5°	3435.5	3294.8	2974.6	2574.4	2189.6	1792.0	1464.1	1182.6	987.7	899.9	868.9
15°	3420.0	3241.9	2822.3	2303.3	1815.2	1324.6	927.0	655.9	521.6	480.3	477.7
17.5°	3417.4	3194.1	2657.0	2046.3	1422.7	867.6	528.0	424.8	396.4	386.0	386.0
20°	3425.2	3154.1	2494.3	1750.7	1036.7	528.0	393.8	368.0	351.2	342.1	342.1
22.5°	3432.9	3112.7	2338.1	1452.4	688.1	386.0	347.3	325.3	306.0	295.7	290.5
25°	3438.1	3067.6	2165.1	1152.9	449.3	335.7	304.7	276.3	253.0	240.1	240.1
27.5°	3436.8	3013.3	1990.8	859.8	348.6	298.2	260.8	231.1	207.9	193.7	195.0
30°	3426.5	2953.9	1810.1	600.3	304.7	260.8	223.4	192.4	169.1	157.5	156.2
32.5°	3418.7	2890.7	1600.9	422.2	273.7	228.5	189.8	160.1	140.7	131.7	130.4
35°	3409.7	2828.7	1402.1	321.5	246.6	197.5	160.1	135.6	120.1	112.3	112.3
37.5°	3412.3	2764.2	1186.5	276.3	219.5	171.7	136.9	116.2	103.3	95.5	94.2
40°	3452.3	2725.4	974.8	250.5	195.0	148.5	118.8	100.7	87.8	80.0	78.8
42.5°	3551.7	2726.7	772.1	231.1	173.0	126.5	103.3	86.5	74.9	65.8	64.6
45°	3750.5	2780.9	592.6	210.4	149.8	109.7	89.1	73.6	62.0	54.2	52.9
47.5°	4075.9	2942.3	449.3	192.4	130.4	95.5	76.2	62.0	51.6	45.2	43.9
50°	4593.6	3234.1	353.8	170.4	109.7	82.6	64.6	51.6	42.6	36.1	34.9
52.5°	5215.9	3671.8	303.4	151.1	94.2	72.3	55.5	42.6	34.9	29.7	28.4
55°	5931.1	4194.7	280.2	131.7	80.0	62.0	45.2	34.9	28.4	24.5	21.9
57.5°	6587.0	4665.9	278.9	112.3	68.4	52.9	37.4	29.7	24.5	19.4	18.1
60°	7226.1	5059.7	262.1	93.0	59.4	43.9	32.3	24.5	20.7	16.8	15.5
62.5°	7805.7	5379.8	219.5	74.9	50.4	36.1	27.1	21.9	18.1	14.2	14.2
65°	8533.9	5787.8	167.8	60.7	41.3	29.7	23.2	19.4	16.8	12.9	12.9
67.5°	9286.6	6003.4	120.1	50.4	33.6	25.8	20.7	18.1	14.2	11.6	11.6
70°	8411.3	5072.6	86.5	41.3	28.4	21.9	18.1	16.8	14.2	11.6	10.3
72.5°	6568.9	3657.6	64.6	32.3	24.5	20.7	16.8	15.5	12.9	10.3	10.3
75°	4871.2	2132.8	49.1	25.8	19.4	16.8	16.8	15.5	12.9	10.3	9.0
77.5°	2648.0	743.7	37.4	20.7	15.5	12.9	14.2	14.2	11.6	9.0	7.7
80°	701.0	204.0	25.8	15.5	12.9	10.3	10.3	12.9	10.3	7.7	7.7
82.5°	204.0	59.4	18.1	12.9	10.3	9.0	9.0	9.0	7.7	6.5	5.2
85°	99.4	21.9	12.9	10.3	9.0	7.7	6.5	6.5	5.2	3.9	3.9
87.5°	43.9	9.0	10.3	9.0	9.0	6.5	5.2	3.9	3.9	2.6	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)