

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: P635572

Luminaire Tested: GWS-SA3E-722-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16169.2 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

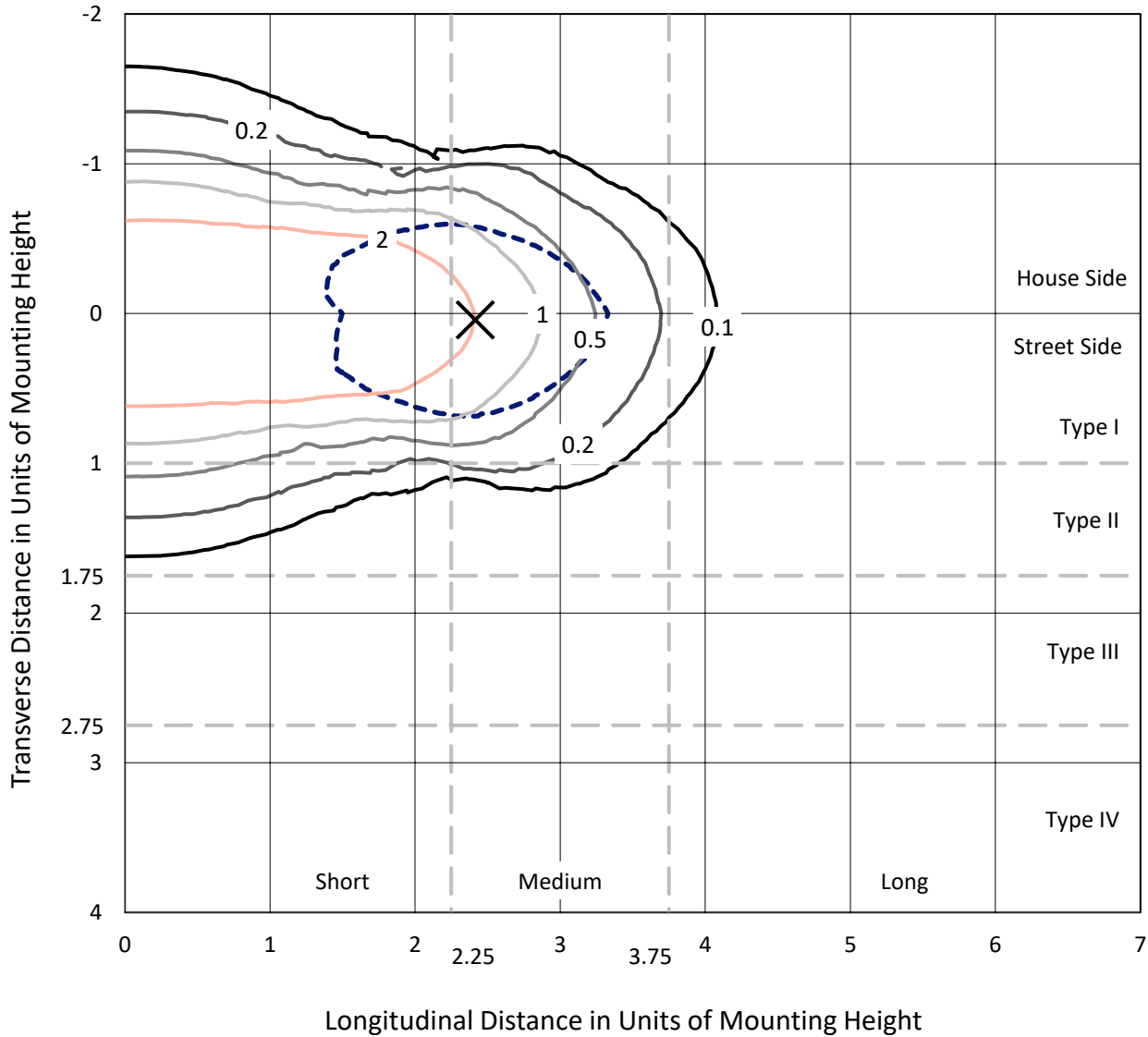
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

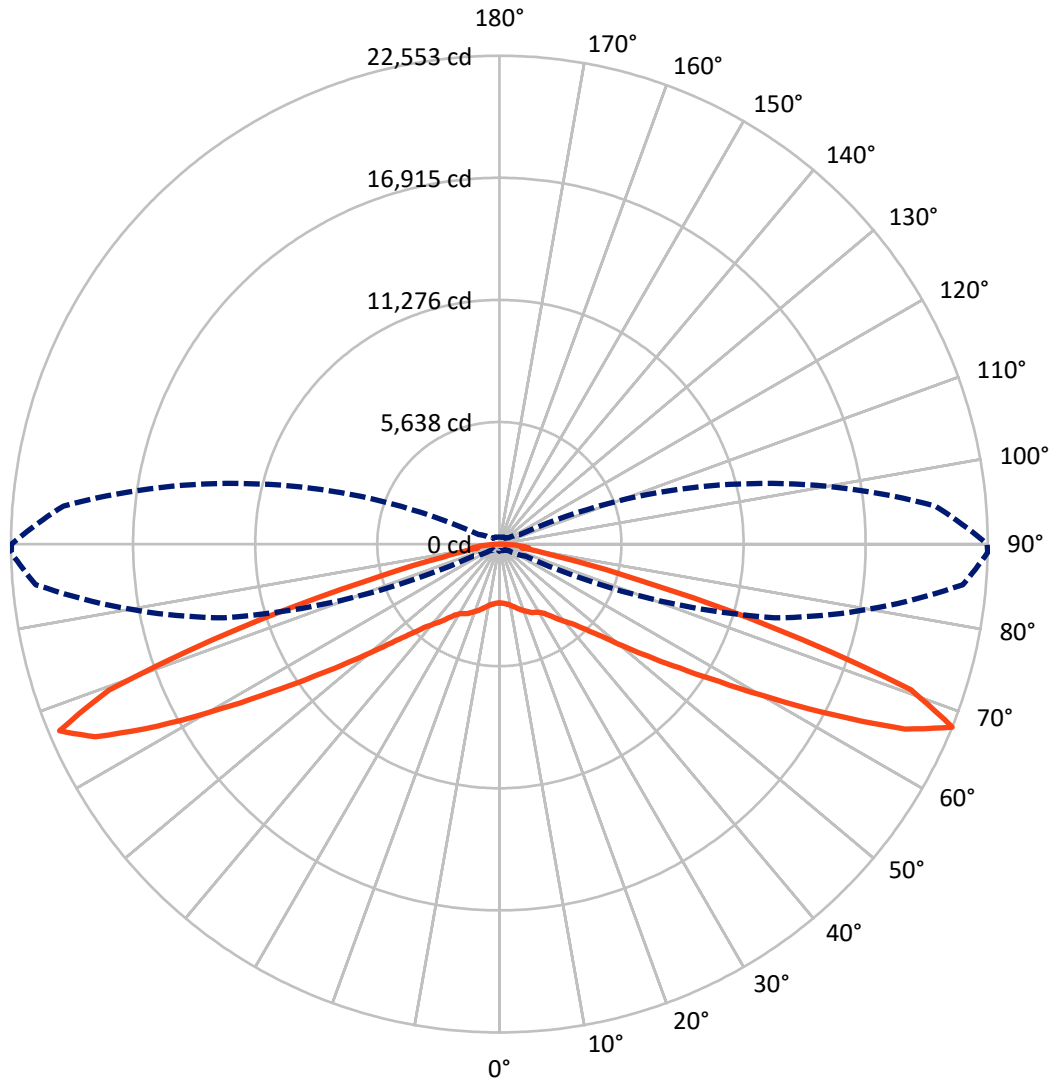
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8013.7	0.0	8013.7
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	8155.5	0.0	8155.5
	% Fixture	50.4	0.0	50.4
Total	Lumens	16169.2	0.0	16169.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.2	1.7
10°-20°	886.4	5.5
20°-30°	1498.4	9.3
30°-40°	2056.4	12.7
40°-50°	2622.3	16.2
50°-60°	3290.1	20.3
60°-70°	3968.2	24.5
70°-80°	1435.6	8.9
80°-90°	139.6	0.9
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°	16169.2	100.0
0°-180°	16169.2	100.0

Coefficient of Utilization



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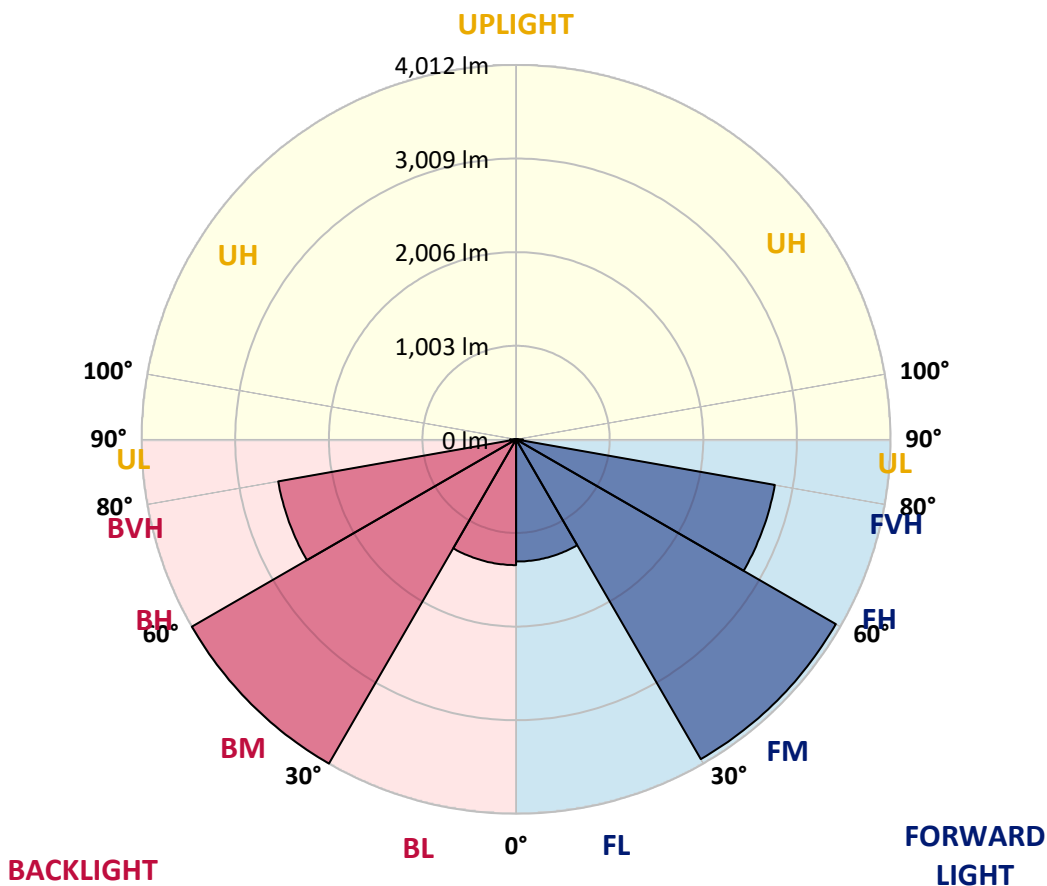
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1309.6	8.1			
FM (30°-60°)	3956.9	24.5			
FH (60°-80°)	2815.3	17.4			G2/5000
FVH (80°-90°)	73.7	0.5			G1/100
BL (0°-30°)	1347.4	8.3	B3/2500		
BM (30°-60°)	4011.9	24.8	B3/5000		
BH (60°-80°)	2588.4	16.0	B4/5000		G4/5000
BVH (80°-90°)	65.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2713.9	2713.9	2713.9	2713.9	2713.9	2713.9	2713.9	2713.9	2713.9	2713.9	2713.9
2.5°	2722.0	2719.7	2713.9	2731.3	2727.8	2729.0	2735.9	2731.3	2723.2	2709.2	2729.0
5°	2798.6	2797.5	2784.7	2795.2	2783.5	2775.4	2774.3	2762.6	2753.4	2738.3	2759.2
7.5°	2873.0	2871.8	2861.4	2879.9	2870.6	2861.4	2850.9	2827.7	2805.6	2783.5	2806.8
10°	2929.9	2928.7	2926.4	2953.1	2955.4	2958.9	2954.3	2914.8	2876.4	2849.7	2873.0
12.5°	2962.4	2965.9	2971.7	3020.4	3044.8	3068.1	3073.9	3041.3	2977.5	2939.2	2967.0
15°	2940.3	2947.3	2976.3	3064.6	3131.9	3184.2	3206.2	3179.5	3097.1	3033.2	3064.6
17.5°	2834.6	2840.4	2897.3	3032.1	3180.7	3301.5	3337.5	3321.2	3229.5	3151.7	3181.9
20°	2688.3	2701.1	2762.6	2950.8	3172.6	3382.8	3479.1	3473.3	3373.5	3253.9	3289.9
22.5°	2555.9	2571.0	2636.1	2843.9	3118.0	3403.7	3622.0	3637.1	3504.7	3356.0	3385.1
25°	2407.3	2421.2	2504.8	2717.4	3023.9	3387.4	3743.9	3812.4	3653.3	3473.3	3500.0
27.5°	2255.2	2265.6	2348.1	2574.5	2900.8	3357.2	3840.3	4005.2	3799.7	3554.6	3573.2
30°	2121.6	2135.6	2211.0	2431.7	2766.1	3296.8	3919.3	4210.7	3968.0	3646.4	3661.5
32.5°	1992.7	2004.3	2086.8	2291.2	2623.3	3203.9	3990.1	4452.3	4217.7	3817.1	3817.1
35°	1830.1	1851.1	1944.0	2156.5	2488.6	3080.8	4041.2	4733.3	4559.1	4069.1	4070.2
37.5°	1680.3	1692.0	1789.5	2004.3	2346.9	2941.5	4045.8	5024.8	4991.1	4389.6	4391.9
40°	1509.6	1524.7	1629.3	1841.8	2184.3	2795.2	4001.7	5296.5	5444.0	4719.4	4706.6
42.5°	1336.6	1358.7	1458.5	1666.4	2009.0	2616.3	3884.4	5555.5	6018.8	5101.4	5070.1
45°	1169.4	1183.3	1283.2	1479.4	1808.1	2402.7	3696.3	5804.0	6701.6	5682.1	5636.8
47.5°	981.3	987.1	1090.4	1278.5	1600.2	2164.6	3426.9	6025.8	7451.8	6450.8	6373.0
50°	814.0	822.2	903.5	1064.9	1345.9	1882.4	3091.3	6155.9	8407.5	7499.4	7364.7
52.5°	658.4	666.6	731.6	860.5	1112.5	1560.7	2675.5	6125.7	9377.2	8801.2	8605.0
55°	531.9	537.7	581.8	682.8	875.6	1241.4	2184.3	5855.1	10453.7	10501.3	10078.6
57.5°	449.4	451.7	481.9	543.5	684.0	956.9	1686.2	5216.4	11582.4	12670.5	11976.1
60°	401.8	403.0	416.9	455.2	540.0	730.4	1235.6	4199.1	12751.8	15384.4	14432.2
62.5°	371.6	371.6	383.2	405.3	448.2	562.1	908.1	3015.8	13591.4	18337.5	17391.1
65°	342.6	342.6	350.7	369.3	392.5	458.7	681.7	1945.1	14003.7	20806.3	20596.1
67.5°	305.4	306.6	312.4	332.1	353.0	383.2	516.8	1315.7	13147.8	21489.2	22552.9
70°	270.6	271.7	279.9	292.6	310.1	331.0	404.1	906.9	9570.0	17897.4	20165.3
72.5°	232.3	236.9	242.7	256.6	267.1	282.2	329.8	587.6	5568.3	11512.8	13330.1
75°	190.4	196.3	203.2	217.2	224.1	229.9	271.7	419.2	2679.0	5834.2	6643.6
77.5°	147.5	153.3	161.4	174.2	178.8	185.8	207.9	303.1	1283.2	2586.1	2788.2
80°	98.7	101.0	108.0	123.1	131.2	135.9	153.3	206.7	557.4	1038.2	1028.9
82.5°	60.4	61.5	63.9	73.2	76.6	81.3	99.9	126.6	265.9	1179.8	1352.9
85°	22.1	20.9	19.7	25.5	30.2	34.8	46.5	63.9	116.1	810.6	906.9
87.5°	0.0	0.0	0.0	1.2	2.3	2.3	4.6	9.3	27.9	303.1	207.9
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°	2713.9	2713.9	2713.9	2713.9	2713.9	2713.9	2713.9	2713.9	2713.9	2713.9	2713.9
2.5°	2723.2	2710.4	2726.6	2738.3	2763.8	2773.1	2775.4	2767.3	2767.3	2753.4	2755.7
5°	2754.5	2746.4	2773.1	2792.8	2830.0	2843.9	2853.2	2847.4	2850.9	2841.6	2843.9
7.5°	2802.1	2795.2	2841.6	2879.9	2918.3	2934.5	2942.6	2938.0	2939.2	2927.5	2931.0
10°	2868.3	2870.6	2926.4	2976.3	3027.4	3043.7	3047.2	3033.2	3021.6	3000.7	3001.9
12.5°	2958.9	2970.5	3049.5	3105.2	3157.5	3180.7	3155.1	3104.1	3056.4	3020.4	3015.8
15°	3057.6	3078.5	3192.3	3263.1	3320.0	3308.4	3233.0	3118.0	3023.9	2970.5	2960.1
17.5°	3176.1	3207.4	3350.2	3435.0	3483.8	3409.5	3251.5	3079.7	2948.4	2876.4	2862.5
20°	3287.5	3337.5	3517.5	3627.8	3633.6	3466.4	3243.4	3001.9	2837.0	2748.7	2730.1
22.5°	3389.7	3453.6	3692.8	3833.3	3757.8	3491.9	3193.5	2891.5	2702.3	2598.9	2582.6
25°	3501.2	3591.8	3897.2	4028.4	3882.1	3481.5	3089.0	2754.5	2539.7	2434.0	2422.4
27.5°	3577.8	3691.7	4102.7	4228.2	3984.3	3422.2	2954.3	2604.7	2391.0	2291.2	2274.9
30°	3666.1	3811.3	4329.2	4445.3	4047.0	3335.1	2810.3	2465.4	2252.8	2144.9	2133.2
32.5°	3826.4	4008.7	4610.2	4675.2	4066.7	3227.1	2672.1	2330.7	2108.9	2000.9	1984.6
35°	4084.2	4297.8	5005.0	4931.9	4051.6	3108.7	2540.8	2172.7	1961.4	1860.3	1844.1
37.5°	4409.3	4675.2	5445.2	5163.0	4009.8	2978.6	2385.2	2040.3	1829.0	1726.8	1717.5
40°	4712.4	5039.9	5938.7	5362.7	3925.1	2818.4	2235.4	1902.1	1686.2	1578.2	1557.3
42.5°	5092.1	5527.6	6510.0	5535.7	3785.7	2626.8	2067.0	1731.4	1507.3	1409.8	1384.2
45°	5669.3	6210.4	7174.3	5701.8	3577.8	2391.0	1855.7	1523.6	1311.1	1211.2	1191.5
47.5°	6389.3	7064.0	7894.3	5800.5	3262.0	2142.5	1616.5	1304.1	1091.6	978.9	969.7
50°	7400.7	8305.3	8666.5	5783.1	2909.0	1847.6	1347.1	1042.8	865.1	783.9	771.1
52.5°	8632.8	9863.8	9501.4	5574.1	2533.9	1512.0	1049.8	818.7	686.3	628.2	617.8
55°	10178.5	11729.9	10380.5	5125.8	2060.1	1157.8	824.5	645.7	555.1	520.2	515.6
57.5°	12092.2	14146.5	11227.1	4371.0	1549.1	883.7	635.2	533.0	490.1	469.1	468.0
60°	14618.0	16711.7	11962.2	3396.7	1109.0	675.9	524.9	476.1	442.4	428.5	427.3
62.5°	17621.0	19041.2	12419.7	2313.2	833.8	538.8	462.2	432.0	412.2	404.1	403.0
65°	20707.6	20513.7	12201.4	1515.4	632.9	457.5	414.6	398.3	380.9	372.8	372.8
67.5°	22530.8	20202.5	10525.7	1052.1	501.7	401.8	373.9	358.8	329.8	322.8	322.8
70°	19956.3	16370.3	6899.1	769.9	406.4	351.9	325.2	304.3	292.6	285.7	284.5
72.5°	13198.9	10652.3	3668.4	534.2	339.1	299.6	275.2	267.1	253.2	246.2	245.0
75°	6569.3	5595.0	1880.1	385.5	282.2	240.4	229.9	226.4	214.8	205.5	203.2
77.5°	2738.3	2490.9	876.8	279.9	214.8	193.9	184.6	184.6	171.9	161.4	156.8
80°	1032.4	919.7	414.6	191.6	159.1	144.0	138.2	133.5	123.1	110.3	103.4
82.5°	1380.7	902.3	203.2	119.6	104.5	92.9	84.8	81.3	75.5	69.7	65.0
85°	894.2	641.0	91.7	61.5	52.3	39.5	34.8	32.5	29.0	25.5	23.2
87.5°	182.3	214.8	27.9	11.6	7.0	3.5	3.5	1.2	0.0	0.0	0.0
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)