

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: P635557

Luminaire Tested: GWS-SA3E-722-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15918.4 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

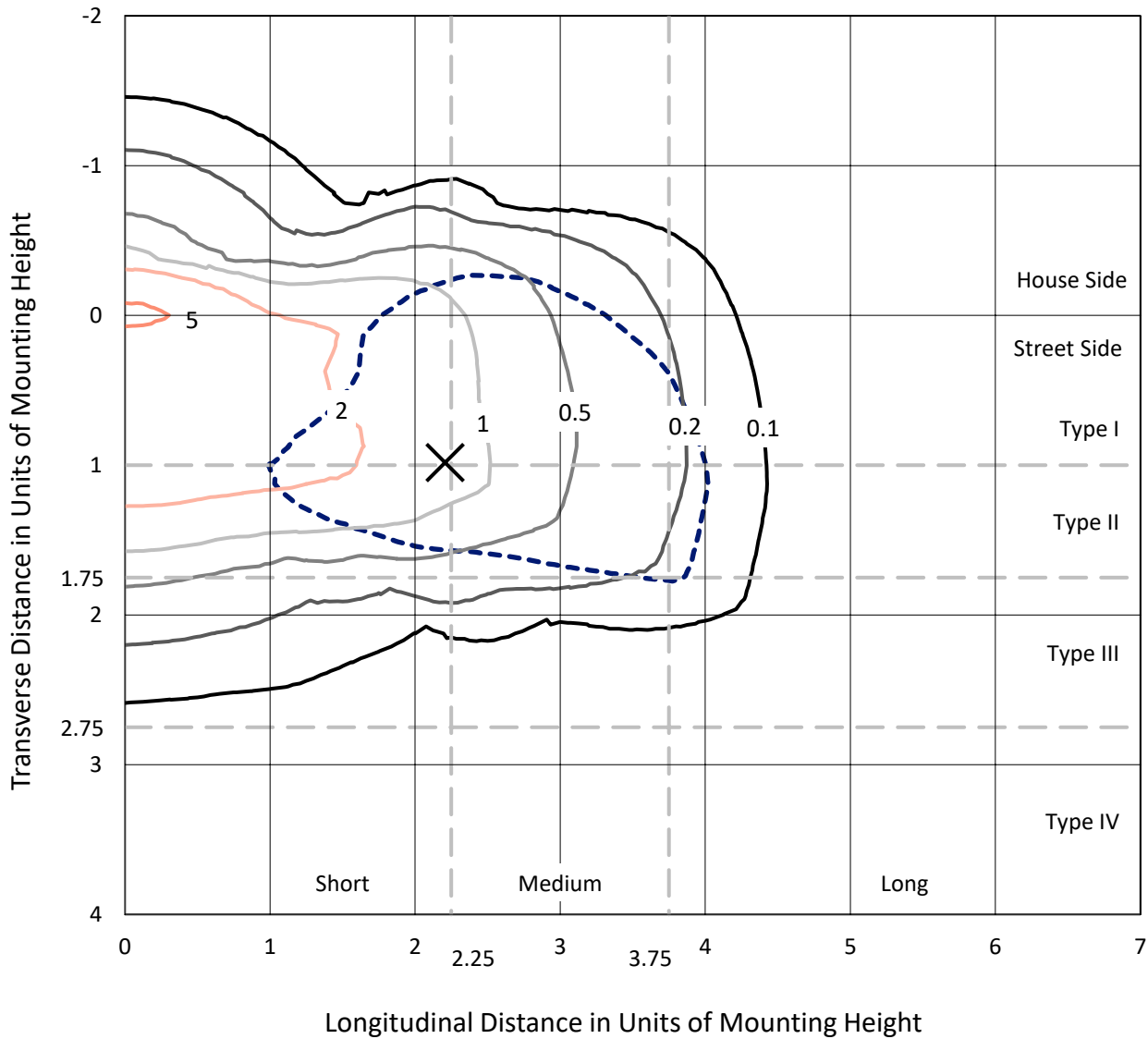
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

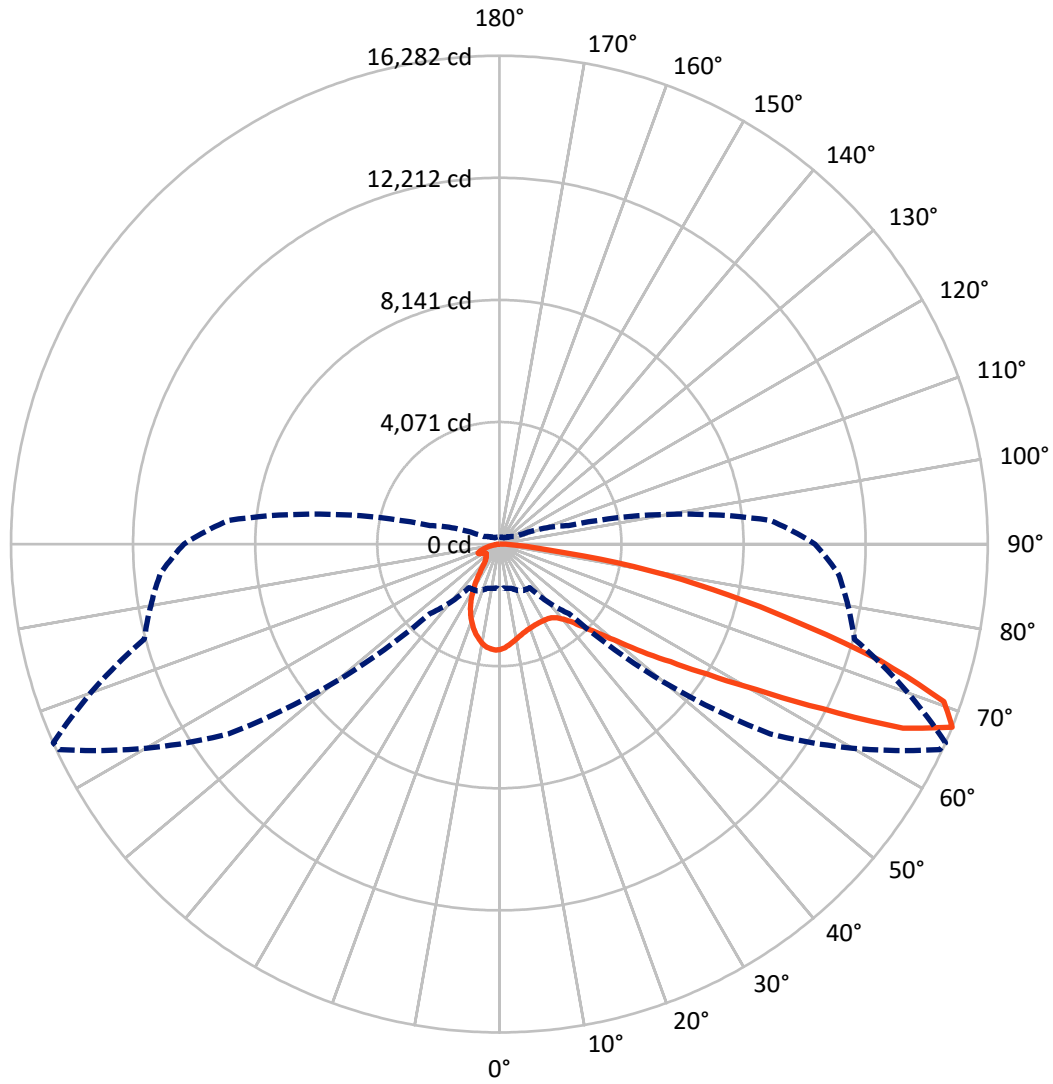
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3230.2	0.0	3230.2
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	12688.2	0.0	12688.2
	% Fixture	79.7	0.0	79.7
Total	Lumens	15918.4	0.0	15918.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.7	1.9
10°-20°	758.7	4.8
20°-30°	1042.8	6.6
30°-40°	1425.7	9.0
40°-50°	2160.3	13.6
50°-60°	3358.3	21.1
60°-70°	4088.7	25.7
70°-80°	2490.6	15.6
80°-90°	284.5	1.8
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°	15918.4	100.0
0°-180°	15918.4	100.0

Coefficient of Utilization



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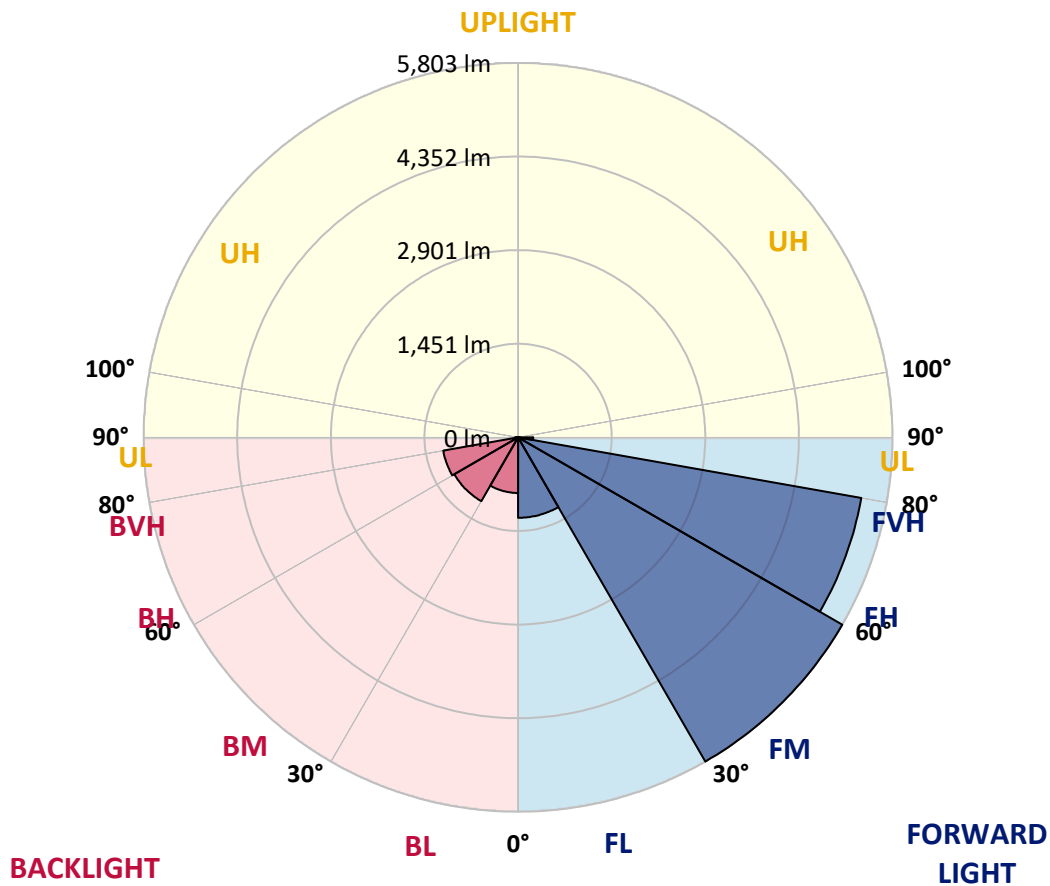
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1247.3	7.8			
FM (30°-60°)	5802.9	36.5			
FH (60°-80°)	5401.5	33.9			G3/7500
FVH (80°-90°)	236.5	1.5			G3/500
BL (0°-30°)	862.9	5.4	B2/1000		
BM (30°-60°)	1141.5	7.2	B2/2500		
BH (60°-80°)	1177.8	7.4	B3/2500		G3/2500
BVH (80°-90°)	48.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3517.5	3517.5	3517.5	3517.5	3517.5	3517.5	3517.5	3517.5	3517.5	3517.5	3517.5
2.5°	3294.5	3306.2	3299.2	3343.3	3345.6	3401.4	3432.7	3459.5	3461.8	3496.6	3519.8
5°	3069.3	3076.2	3076.2	3118.0	3145.9	3220.2	3292.2	3368.9	3374.7	3458.3	3522.2
7.5°	2886.9	2893.9	2889.3	2945.0	2981.0	3063.5	3155.2	3272.5	3284.1	3418.8	3530.3
10°	2744.1	2741.8	2753.4	2804.5	2850.9	2949.6	3051.8	3185.4	3202.8	3373.5	3539.6
12.5°	2646.6	2648.9	2655.8	2709.3	2759.2	2856.7	2962.4	3107.6	3126.2	3321.3	3534.9
15°	2600.1	2595.5	2601.3	2650.0	2697.7	2783.6	2892.7	3042.6	3061.1	3274.8	3536.1
17.5°	2589.7	2586.2	2585.0	2619.8	2655.8	2736.0	2840.5	2992.6	3012.4	3244.6	3543.1
20°	2622.2	2617.5	2604.7	2619.8	2634.9	2702.3	2803.3	2956.6	2978.7	3224.9	3557.0
22.5°	2711.6	2703.5	2683.7	2665.1	2645.4	2686.0	2780.1	2929.9	2952.0	3212.1	3570.9
25°	2847.5	2840.5	2819.6	2777.8	2705.8	2698.8	2775.5	2918.3	2940.4	3202.8	3576.7
27.5°	3034.4	3024.0	3003.1	2942.7	2825.4	2746.4	2792.9	2917.1	2938.0	3192.4	3570.9
30°	3256.2	3249.3	3237.6	3164.5	3007.7	2847.5	2832.4	2926.4	2942.7	3186.5	3559.3
32.5°	3481.5	3474.5	3483.8	3449.0	3256.2	3014.7	2918.3	2952.0	2963.6	3185.4	3548.9
35°	3680.1	3688.2	3755.6	3761.4	3572.1	3241.1	3054.2	3011.2	3013.5	3208.6	3553.5
37.5°	3888.0	3919.3	4007.6	4083.1	3925.1	3540.7	3256.2	3122.7	3120.4	3267.8	3582.5
40°	4163.2	4177.1	4289.8	4431.4	4332.7	3951.8	3543.1	3305.0	3288.7	3388.6	3660.4
42.5°	4431.4	4465.1	4645.1	4807.7	4775.2	4415.2	3904.2	3577.9	3548.9	3602.3	3820.6
45°	4772.9	4805.4	5007.4	5216.5	5275.7	4938.9	4366.4	3965.8	3936.7	3924.0	4114.4
47.5°	5114.3	5148.0	5329.1	5631.0	5838.9	5593.9	4968.0	4477.9	4430.3	4380.3	4558.0
50°	5344.2	5383.7	5556.7	5919.0	6406.8	6411.4	5681.0	5149.1	5088.7	5009.8	5182.8
52.5°	5336.1	5361.6	5526.5	5944.6	6815.5	7350.9	6635.5	6003.8	5955.0	5783.2	5934.1
55°	4916.9	4955.2	5121.2	5643.8	6859.7	8241.6	8038.4	7011.8	6924.7	6617.0	6783.0
57.5°	4074.9	4107.4	4274.7	4919.2	6468.3	8698.0	9819.8	8296.2	8176.6	7525.1	7716.7
60°	3076.2	3036.7	3115.7	3680.1	5532.3	8709.6	11392.1	10038.1	9838.4	8495.9	8656.2
62.5°	2308.6	2269.1	2286.6	2445.7	3750.9	8005.9	12288.7	12421.0	12091.2	9592.2	9560.8
65°	1824.4	1802.3	1852.2	1961.4	2186.7	6096.7	12295.6	14997.9	14790.1	10862.6	10488.7
67.5°	1486.4	1472.5	1523.6	1725.7	1773.3	3276.0	11025.2	16201.0	16282.3	12253.8	11349.2
70°	1197.3	1176.4	1256.5	1522.4	1649.0	1982.3	7897.9	15587.8	15719.1	13083.0	11106.5
72.5°	826.8	828.0	868.6	1233.3	1592.1	1711.7	4467.4	12979.6	13264.1	12331.6	9764.0
75°	557.4	562.1	573.7	814.1	1466.7	1660.6	2380.6	9826.7	10027.6	10192.5	8070.9
77.5°	336.8	339.1	365.8	492.4	1011.5	1550.3	1613.0	7123.3	7281.2	6719.2	5002.8
80°	195.1	203.2	227.6	329.8	682.8	1164.8	1248.4	4367.6	4546.4	2986.8	1589.8
82.5°	85.9	91.7	124.3	191.6	398.3	990.6	974.3	1725.7	1700.1	832.6	551.6
85°	15.1	18.6	26.7	60.4	146.3	522.6	756.0	761.8	716.5	315.9	228.8
87.5°	0.0	0.0	0.0	0.0	0.0	3.5	113.8	204.4	203.2	89.4	79.0
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°	3517.5	3517.5	3517.5	3517.5	3517.5	3517.5	3517.5	3517.5	3517.5	3517.5	3517.5
2.5°	3534.9	3503.6	3531.4	3534.9	3529.1	3524.5	3489.6	3459.5	3456.0	3423.5	3423.5
5°	3547.7	3518.7	3532.6	3505.9	3464.1	3421.1	3346.8	3295.7	3272.5	3230.7	3230.7
7.5°	3565.1	3534.9	3518.7	3452.5	3354.9	3260.9	3141.3	3041.4	3000.7	2941.5	2939.2
10°	3581.4	3543.1	3487.3	3358.4	3202.8	3053.0	2878.8	2737.1	2640.7	2569.9	2569.9
12.5°	3580.2	3530.3	3420.0	3229.5	3014.7	2797.5	2565.3	2351.6	2223.8	2113.5	2106.6
15°	3577.9	3509.4	3334.0	3079.7	2795.2	2494.4	2178.6	1899.9	1710.6	1602.6	1593.3
17.5°	3575.6	3482.7	3237.6	2909.0	2528.1	2118.2	1701.3	1399.3	1241.4	1175.2	1177.5
20°	3575.6	3452.5	3134.3	2712.7	2220.4	1667.6	1248.4	1028.9	989.4	992.9	996.4
22.5°	3565.1	3415.3	3019.3	2499.1	1877.8	1226.3	920.9	846.6	867.5	900.0	904.6
25°	3540.7	3353.8	2885.8	2262.2	1470.2	893.0	751.3	737.4	775.7	816.4	828.0
27.5°	3502.4	3282.9	2736.0	1984.6	1082.3	717.7	660.8	659.6	689.8	720.0	730.4
30°	3461.8	3204.0	2578.0	1675.7	783.9	624.8	602.7	602.7	617.8	636.4	634.1
32.5°	3414.2	3123.8	2408.5	1354.1	638.7	572.5	565.5	562.1	564.4	571.3	571.3
35°	3373.5	3053.0	2234.3	1013.8	572.5	543.5	536.5	528.4	524.9	520.3	522.6
37.5°	3358.4	2997.3	2054.3	764.1	540.0	522.6	511.0	499.4	491.2	488.9	487.7
40°	3382.8	2974.0	1874.3	629.4	516.8	500.5	487.7	472.6	465.7	465.7	465.7
42.5°	3478.0	2991.5	1690.8	569.0	500.5	481.9	463.4	449.4	447.1	449.4	450.6
45°	3652.2	3058.8	1500.4	538.8	486.6	463.4	441.3	430.8	430.8	433.2	433.2
47.5°	3963.4	3235.3	1312.2	520.3	472.6	448.3	425.0	414.6	413.4	415.7	415.7
50°	4502.3	3553.5	1142.7	507.5	462.2	436.6	413.4	399.5	396.0	394.8	394.8
52.5°	5181.6	4105.1	1034.7	498.2	449.4	423.9	400.6	382.1	375.1	371.6	371.6
55°	6002.7	4840.2	1034.7	491.2	433.2	408.8	382.1	363.5	353.0	348.4	348.4
57.5°	6932.8	5696.1	1213.5	485.4	420.4	391.4	362.3	343.7	332.1	325.2	325.2
60°	7879.3	6600.7	1656.0	477.3	408.8	369.3	340.3	322.8	307.7	299.6	298.4
62.5°	8860.6	7597.1	2238.9	481.9	400.6	348.4	317.0	297.3	284.5	276.4	275.2
65°	9759.4	8545.9	2748.7	517.9	401.8	329.8	290.3	272.9	262.4	252.0	250.8
67.5°	10522.4	9069.6	2391.1	591.1	426.2	307.7	263.6	246.2	236.9	229.9	228.8
70°	9988.2	8270.6	1356.4	636.4	459.9	284.5	233.4	221.8	212.5	207.9	206.7
72.5°	8541.2	7002.5	907.0	562.1	419.2	254.3	205.5	196.3	189.3	183.5	182.3
75°	6918.9	5553.2	693.3	461.0	326.3	206.7	176.5	169.5	162.6	156.8	155.6
77.5°	4093.5	3208.6	511.0	364.6	229.9	161.4	146.3	140.5	133.5	128.9	127.7
80°	1306.4	1114.8	324.0	250.8	152.1	124.3	112.6	108.0	101.0	95.2	94.1
82.5°	498.2	430.8	171.9	127.7	101.0	84.8	75.5	70.8	66.2	60.4	59.2
85°	220.6	206.7	95.2	68.5	54.6	41.8	37.2	34.8	29.0	24.4	23.2
87.5°	77.8	77.8	40.6	19.7	11.6	5.8	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)