

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: P636058

Luminaire Tested: GWS-SA3F-722-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17296.9 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

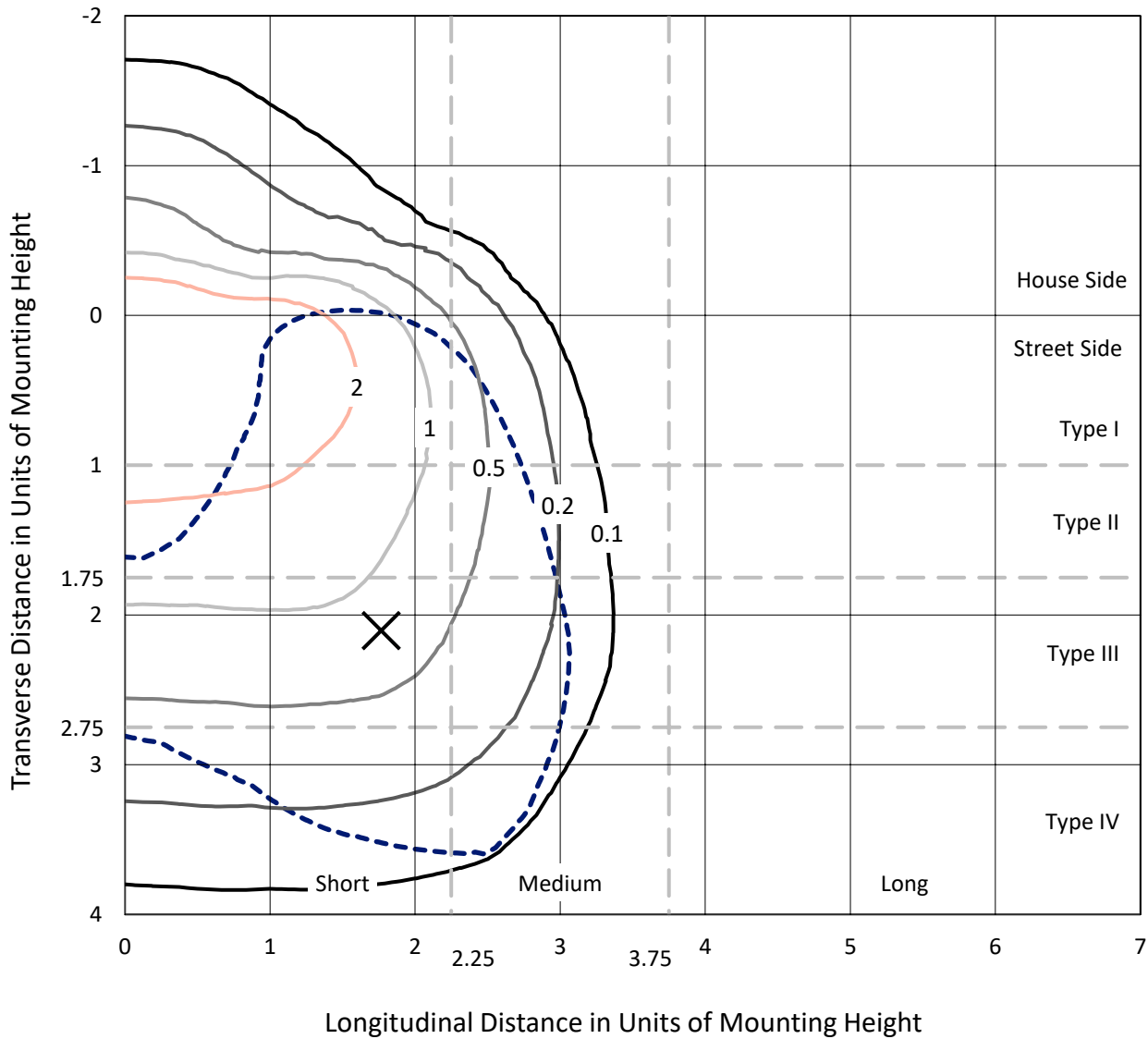
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636058
 CATALOG NUMBER: GWS-SA3F-722-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

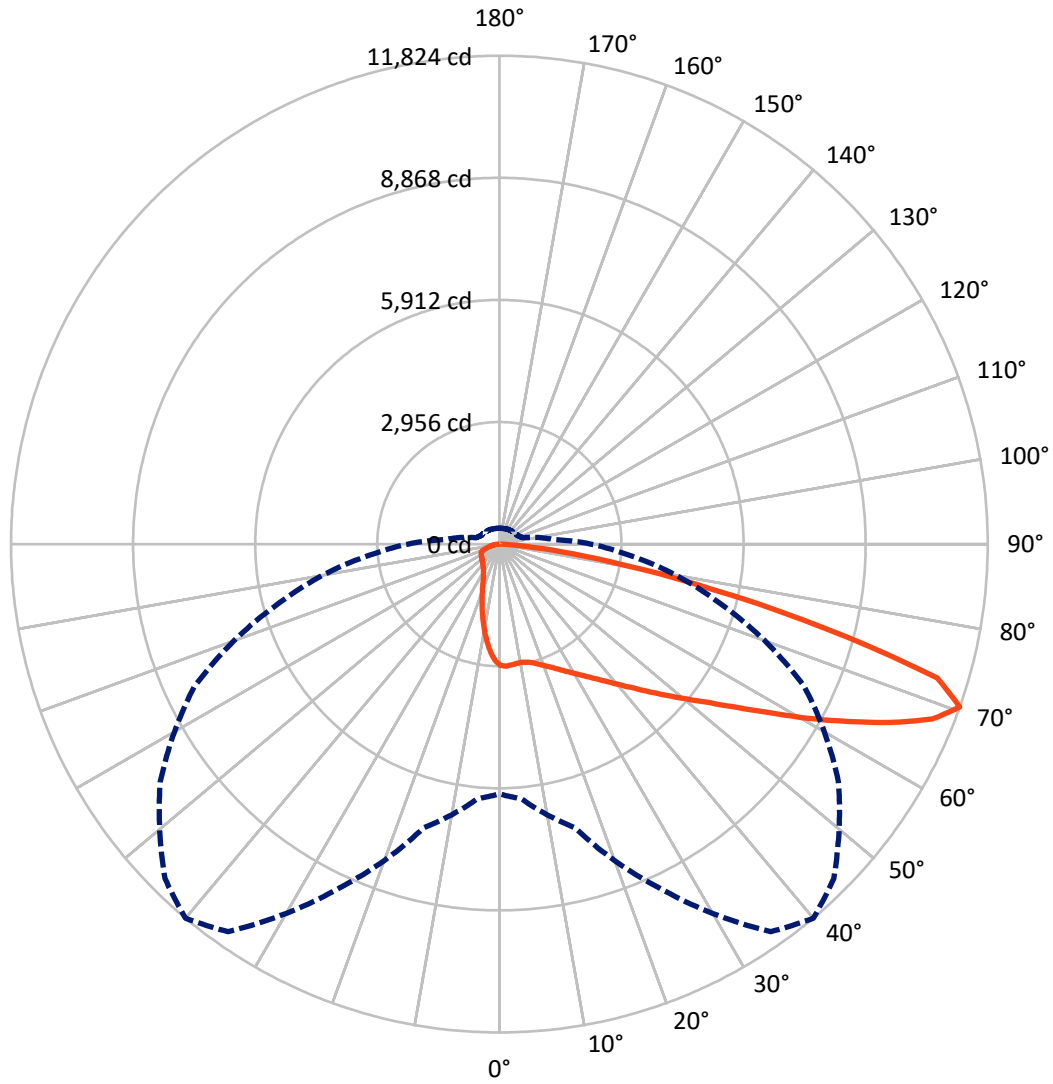
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P636058
CATALOG NUMBER: GWS-SA3F-722-U-SL4-W

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P636058

CATALOG NUMBER: GWS-SA3F-722-U-SL4-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2664.2	0.0	2664.2
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	14632.7	0.0	14632.7
	% Fixture	84.6	0.0	84.6
Total	Lumens	17296.9	0.0	17296.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.5	1.5
10°-20°	676.4	3.9
20°-30°	1062.0	6.1
30°-40°	1596.7	9.2
40°-50°	2464.6	14.2
50°-60°	3660.1	21.2
60°-70°	4613.5	26.7
70°-80°	2668.0	15.4
80°-90°	296.1	1.7
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°	17296.9	100.0
0°-180°	17296.9	100.0

Coefficient of Utilization



REPORT NUMBER: P636058

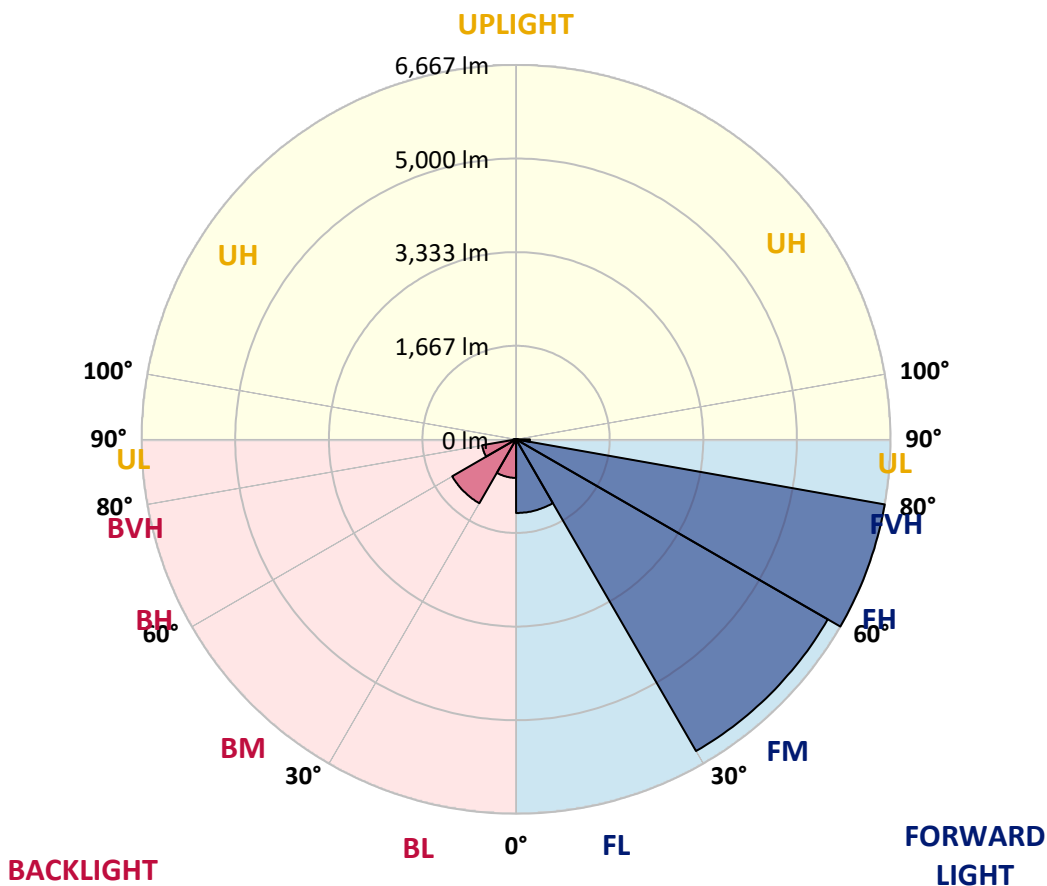
CATALOG NUMBER: GWS-SA3F-722-U-SL4-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1311.2	7.6			
FM (30°-60°)	6408.3	37.0			
FH (60°-80°)	6666.6	38.5			G3/7500
FVH (80°-90°)	246.6	1.4			G3/500
BL (0°-30°)	686.6	4.0	B2/1000		
BM (30°-60°)	1313.2	7.6	B2/2500		
BH (60°-80°)	614.9	3.6	B2/1000		G2/1000
BVH (80°-90°)	49.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P636058
 CATALOG NUMBER: GWS-SA3F-722-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2937.2	2937.2	2937.2	2937.2	2937.2	2937.2	2937.2	2937.2	2937.2	2937.2	2937.2
2.5°	2955.3	2960.5	2964.3	2969.5	2966.9	2959.2	2965.6	2965.6	2951.4	2935.9	2921.7
5°	2959.2	2965.6	2964.3	2963.0	2952.7	2939.8	2939.8	2932.0	2907.5	2883.0	2859.7
7.5°	2951.4	2950.1	2948.8	2945.0	2933.3	2919.1	2916.6	2901.1	2868.8	2835.2	2801.6
10°	2916.6	2915.3	2919.1	2928.2	2925.6	2912.7	2912.7	2898.5	2861.0	2819.7	2775.8
12.5°	2888.2	2888.2	2903.6	2928.2	2937.2	2932.0	2933.3	2923.0	2880.4	2831.3	2779.7
15°	2892.0	2893.3	2926.9	2966.9	2983.7	2979.8	2981.1	2969.5	2921.7	2872.7	2802.9
17.5°	2917.8	2924.3	2982.4	3037.9	3059.9	3054.7	3045.7	3026.3	2972.1	2916.6	2831.3
20°	2972.1	2982.4	3057.3	3127.0	3152.8	3141.2	3125.7	3087.0	3027.6	2966.9	2862.3
22.5°	3079.2	3085.7	3168.3	3236.7	3257.4	3243.2	3212.2	3156.7	3088.3	3025.0	2899.8
25°	3230.3	3238.0	3316.8	3380.1	3374.9	3358.1	3315.5	3247.1	3165.7	3098.6	2954.0
27.5°	3409.7	3422.7	3500.1	3550.5	3516.9	3492.4	3444.6	3362.0	3270.3	3209.6	3036.6
30°	3606.0	3611.2	3677.0	3727.4	3675.7	3642.1	3584.0	3495.0	3412.3	3367.1	3160.6
32.5°	3795.8	3800.9	3857.8	3886.2	3831.9	3807.4	3757.0	3662.8	3604.7	3580.2	3345.2
35°	3995.9	3994.6	4041.1	4065.6	4010.1	3999.8	3948.1	3875.8	3865.5	3897.8	3615.0
37.5°	4196.0	4184.4	4208.9	4241.2	4210.2	4220.5	4187.0	4162.4	4202.5	4286.4	3974.0
40°	4356.1	4356.1	4381.9	4422.0	4432.3	4477.5	4458.1	4490.4	4619.5	4819.6	4418.1
42.5°	4498.1	4499.4	4553.6	4615.6	4690.5	4760.2	4775.7	4859.6	5126.9	5440.6	4975.8
45°	4646.6	4647.9	4721.5	4811.9	4970.7	5103.6	5134.6	5323.1	5705.3	6087.5	5581.3
47.5°	4818.3	4804.1	4906.1	5057.2	5283.1	5474.2	5554.2	5821.5	6304.4	6774.3	6152.0
50°	5012.0	4982.3	5095.9	5356.7	5635.6	5897.7	6031.9	6337.9	6947.3	7408.2	6689.1
52.5°	5230.2	5213.4	5332.2	5649.8	6075.8	6377.9	6560.0	6961.5	7572.2	8039.6	7115.2
55°	5501.3	5461.3	5633.0	6037.1	6592.3	6977.0	7192.6	7578.7	8255.2	8612.8	7440.5
57.5°	5798.3	5754.4	5984.2	6521.3	7263.6	7685.8	7955.6	8273.3	8898.1	9051.8	7631.6
60°	6118.4	6104.2	6376.7	7089.3	8064.1	8554.7	8749.7	9037.6	9457.2	9306.1	7583.8
62.5°	6411.5	6406.3	6802.7	7705.2	8912.3	9452.0	9606.9	9683.1	9860.0	9289.3	7204.2
65°	6720.1	6764.0	7299.8	8419.1	9884.5	10413.9	10478.4	10284.8	9995.6	8849.1	6427.0
67.5°	6758.8	6844.0	7612.2	9087.9	10806.4	11306.0	11254.4	10513.3	9595.3	7623.8	5037.8
70°	6044.8	6193.3	7113.9	9189.9	11455.8	11823.7	11450.6	10021.4	8142.9	5523.2	3168.3
72.5°	5050.7	5178.5	5991.9	7836.9	10617.9	11086.5	10581.7	8482.4	5754.4	3168.3	1613.9
75°	3931.3	4079.8	4829.9	6229.5	7949.2	8136.4	7883.3	5915.7	3163.2	1306.6	733.3
77.5°	2398.8	2506.0	3089.6	4220.5	5562.0	5281.8	4476.2	3316.8	1387.9	626.2	453.2
80°	1061.3	1127.1	1522.2	2267.1	3213.5	3037.9	2395.0	1416.3	759.2	397.7	316.3
82.5°	569.4	612.0	750.1	897.3	1411.2	1475.7	1196.8	816.0	408.0	227.2	180.8
85°	250.5	275.0	340.8	325.4	463.5	455.8	459.6	560.3	195.0	104.6	117.5
87.5°	0.0	0.0	0.0	0.0	1.3	1.3	14.2	74.9	19.4	31.0	27.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636058
 CATALOG NUMBER: GWS-SA3F-722-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2937.2	2937.2	2937.2	2937.2	2937.2	2937.2	2937.2	2937.2	2937.2	2937.2	2937.2
2.5°	2906.2	2883.0	2876.5	2868.8	2854.6	2830.1	2812.0	2791.3	2782.3	2772.0	2773.2
5°	2833.9	2805.5	2778.4	2743.5	2699.7	2650.6	2617.0	2578.3	2557.6	2538.3	2543.4
7.5°	2772.0	2728.1	2672.5	2598.9	2520.2	2432.4	2361.4	2305.9	2268.4	2242.6	2255.5
10°	2733.2	2681.6	2584.7	2464.7	2331.7	2197.4	2095.4	1999.9	1940.5	1894.0	1891.4
12.5°	2725.5	2658.3	2517.6	2343.3	2150.9	1971.5	1821.7	1692.6	1613.9	1555.8	1577.7
15°	2733.2	2648.0	2459.5	2231.0	1988.3	1745.5	1559.6	1411.2	1316.9	1264.0	1260.1
17.5°	2742.3	2637.7	2393.7	2109.6	1817.8	1540.3	1324.7	1167.1	1070.3	1017.4	1018.7
20°	2750.0	2622.2	2316.2	1976.6	1644.8	1349.2	1125.8	976.1	889.6	850.8	857.3
22.5°	2762.9	2606.7	2233.6	1834.6	1468.0	1164.6	968.3	846.9	795.3	769.5	770.8
25°	2787.4	2597.7	2148.4	1679.7	1293.7	1017.4	859.9	778.5	746.2	730.8	729.5
27.5°	2837.8	2605.4	2059.3	1529.9	1136.2	905.0	790.1	737.2	715.3	704.9	703.6
30°	2921.7	2636.4	1981.8	1377.6	1000.6	817.3	742.4	710.1	697.2	688.1	686.9
32.5°	3049.5	2694.5	1897.9	1235.6	890.8	752.7	704.9	688.1	679.1	673.9	673.9
35°	3243.2	2800.4	1815.3	1111.6	805.6	702.3	675.2	668.8	661.0	658.5	661.0
37.5°	3522.1	2969.5	1740.4	1003.2	745.0	663.6	643.0	645.5	639.1	643.0	646.8
40°	3875.8	3195.4	1677.1	914.1	699.8	635.2	614.6	623.6	619.7	623.6	630.0
42.5°	4323.8	3475.6	1629.3	844.4	667.5	612.0	592.6	601.6	599.1	604.2	610.7
45°	4823.5	3844.8	1607.4	795.3	644.3	595.2	574.5	581.0	578.4	582.3	588.7
47.5°	5302.5	4180.5	1626.8	766.9	624.9	581.0	559.0	561.6	560.3	559.0	562.9
50°	5715.6	4447.8	1682.3	757.9	612.0	566.8	546.1	547.4	543.5	535.8	538.4
52.5°	6052.6	4662.1	1715.8	757.9	605.5	551.3	531.9	533.2	525.5	515.1	516.4
55°	6274.7	4748.6	1688.7	756.6	602.9	538.4	517.7	519.0	511.3	498.4	499.6
57.5°	6337.9	4664.7	1575.1	742.4	600.4	528.1	503.5	506.1	500.9	486.7	486.7
60°	6161.0	4357.4	1367.3	710.1	593.9	521.6	493.2	497.1	494.5	480.3	480.3
62.5°	5697.5	3811.3	1119.4	661.0	575.8	513.9	484.2	491.9	498.4	490.6	489.3
65°	4829.9	3053.4	910.2	606.8	552.6	500.9	471.2	490.6	504.8	515.1	515.1
67.5°	3624.1	2185.8	742.4	550.0	517.7	475.1	454.5	472.5	482.9	489.3	493.2
70°	2209.0	1285.9	584.9	484.2	467.4	436.4	420.9	402.8	388.6	386.0	387.3
72.5°	1080.6	735.9	475.1	411.9	398.9	370.5	335.7	327.9	321.5	317.6	316.3
75°	595.2	512.6	392.5	342.1	318.9	284.0	276.3	263.4	260.8	255.6	256.9
77.5°	420.9	404.1	324.1	277.6	242.7	224.6	228.5	219.5	219.5	215.6	214.3
80°	316.3	317.6	249.2	202.7	179.5	173.0	176.9	176.9	174.3	173.0	171.7
82.5°	200.1	225.9	167.8	130.4	127.8	129.1	127.8	126.5	129.1	125.2	123.9
85°	138.1	162.7	102.0	77.5	77.5	76.2	78.8	77.5	80.0	76.2	76.2
87.5°	31.0	72.3	37.4	23.2	24.5	23.2	24.5	25.8	28.4	29.7	29.7
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)