

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: P634560

Luminaire Tested: GWS-SA3C-722-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10463.3 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

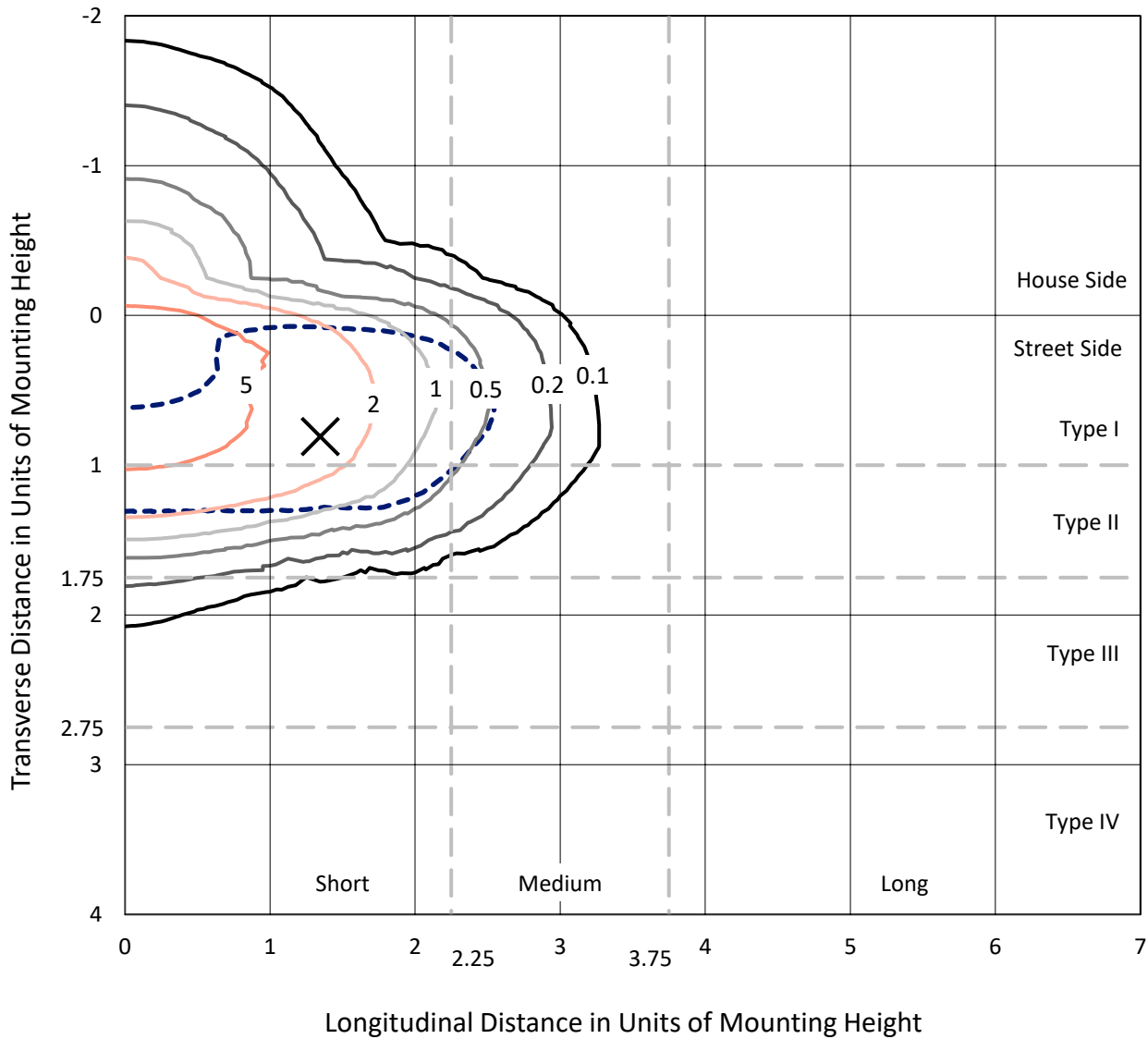
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634560
 CATALOG NUMBER: GWS-SA3C-722-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination

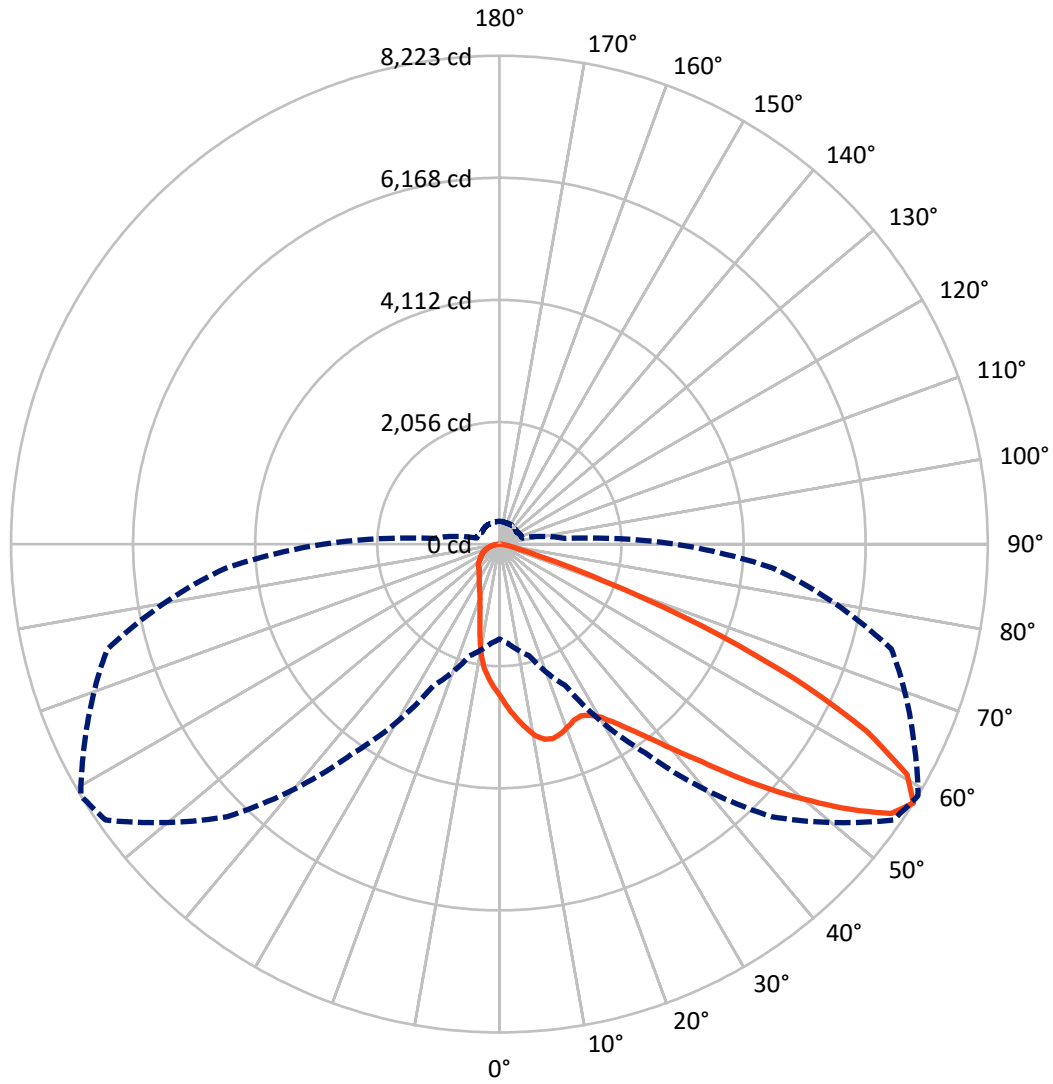
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

REPORT NUMBER: P634560
CATALOG NUMBER: GWS-SA3C-722-U-AFL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P634560

CATALOG NUMBER: GWS-SA3C-722-U-AFL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1623.8	0.0	1623.8
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	8839.5	0.0	8839.5
	% Fixture	84.5	0.0	84.5
Total	Lumens	10463.3	0.0	10463.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.5	2.3
10°-20°	604.3	5.8
20°-30°	979.6	9.4
30°-40°	1575.9	15.1
40°-50°	2447.2	23.4
50°-60°	2636.0	25.2
60°-70°	1529.8	14.6
70°-80°	399.4	3.8
80°-90°	52.6	0.5
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°	10463.3	100.0
0°-180°	10463.3	100.0

Coefficient of Utilization



REPORT NUMBER: P634560

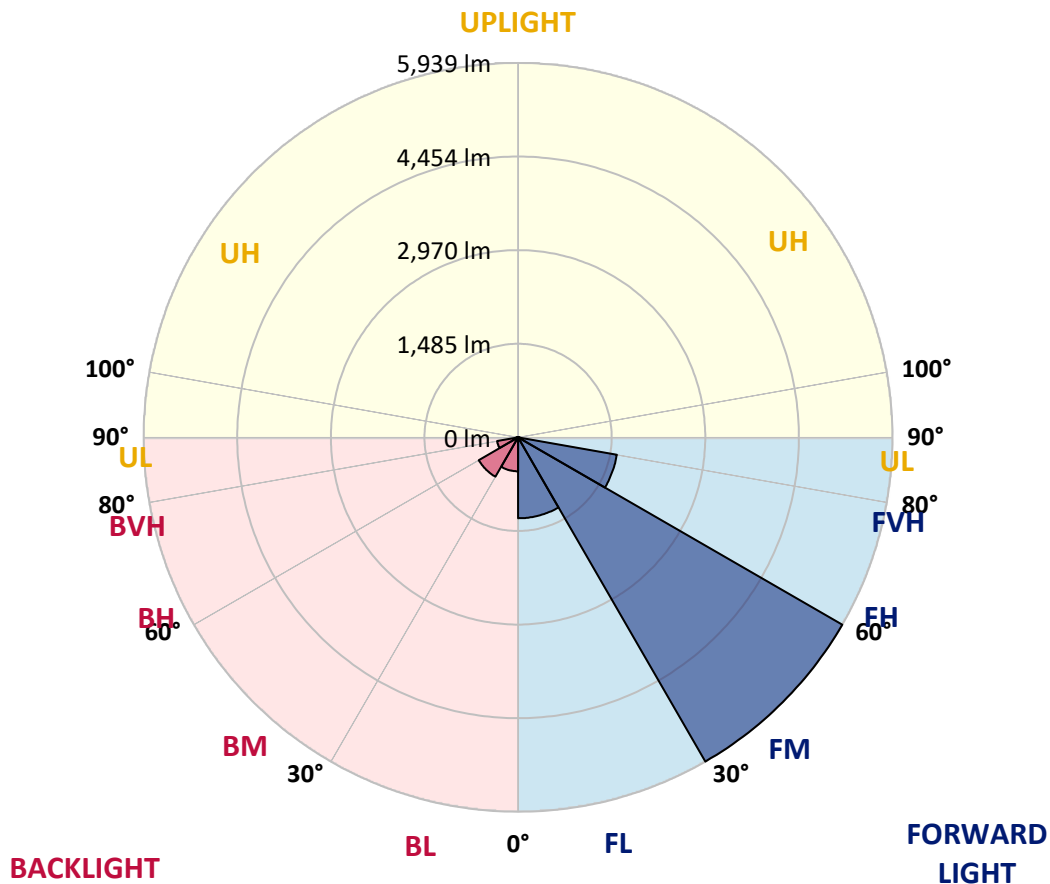
CATALOG NUMBER: GWS-SA3C-722-U-AFL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1283.7	12.3			
FM (30°-60°)	5939.1	56.8			
FH (60°-80°)	1591.4	15.2			G1/1800
FVH (80°-90°)	25.2	0.2			G1/100
BL (0°-30°)	538.7	5.1	B2/1000		
BM (30°-60°)	719.9	6.9	B1/1000		
BH (60°-80°)	337.8	3.2	B1/500		G1/500
BVH (80°-90°)	27.4	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-G1

Type II Short





REPORT NUMBER: P634560
 CATALOG NUMBER: GWS-SA3C-722-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2568.5	2568.5	2568.5	2568.5	2568.5	2568.5	2568.5	2568.5	2568.5	2568.5	2568.5
2.5°	2913.3	2889.0	2905.9	2875.7	2863.2	2830.0	2787.3	2758.6	2714.4	2656.9	2606.8
5°	3202.7	3185.8	3189.5	3157.1	3128.3	3073.1	2985.4	2936.8	2861.7	2746.1	2638.5
7.5°	3193.9	3213.8	3224.8	3252.8	3260.9	3255.8	3177.0	3109.2	3026.7	2852.9	2690.8
10°	2863.2	2900.7	2934.6	3030.4	3146.8	3294.1	3312.5	3272.0	3188.7	2989.1	2753.4
12.5°	2503.0	2531.7	2561.9	2676.8	2855.1	3149.7	3349.3	3374.4	3341.2	3123.9	2824.1
15°	2326.2	2339.4	2368.2	2444.0	2586.2	2913.3	3285.2	3395.0	3454.7	3266.8	2903.7
17.5°	2318.8	2324.7	2338.7	2379.2	2477.9	2730.6	3169.6	3353.7	3543.8	3417.8	2996.5
20°	2471.3	2455.8	2447.0	2446.3	2494.9	2669.4	3057.6	3287.5	3585.8	3572.5	3095.9
22.5°	2682.7	2687.9	2668.7	2621.6	2615.7	2712.9	3001.7	3220.4	3598.3	3709.5	3188.0
25°	2982.5	3008.3	2951.6	2861.7	2817.5	2838.9	3036.3	3199.8	3596.8	3823.7	3245.5
27.5°	3332.4	3352.3	3294.8	3177.0	3085.6	3034.1	3139.4	3260.9	3609.3	3922.4	3280.1
30°	3730.9	3737.5	3658.7	3535.0	3401.6	3291.1	3311.0	3386.9	3673.4	4052.0	3320.6
32.5°	4217.8	4245.8	4126.4	3930.5	3744.1	3602.7	3541.6	3590.2	3811.9	4205.3	3383.2
35°	4835.8	4845.4	4693.6	4413.0	4149.3	3953.3	3825.2	3851.0	4022.6	4419.6	3477.5
37.5°	5418.4	5428.0	5266.7	5005.9	4628.8	4360.7	4175.1	4163.3	4292.2	4722.4	3631.4
40°	5788.2	5815.5	5743.3	5579.8	5219.6	4857.9	4606.0	4565.5	4645.7	5092.9	3845.8
42.5°	5987.1	5998.9	5997.4	6018.8	5804.4	5445.0	5092.1	5011.1	5064.9	5492.8	4062.4
45°	5988.6	6018.0	6096.9	6302.4	6311.9	6088.0	5706.5	5579.8	5530.4	5895.8	4288.5
47.5°	5720.5	5752.1	5968.7	6373.1	6671.4	6722.2	6442.3	6188.2	5980.5	6242.7	4474.1
50°	4908.7	4988.3	5400.8	6116.0	6742.1	7230.5	7144.3	6799.6	6380.4	6510.8	4590.5
52.5°	4203.8	4200.8	4455.0	5389.7	6446.7	7454.4	7823.4	7428.6	6776.0	6681.0	4620.0
55°	3078.3	3095.2	3355.2	4122.0	5658.6	7237.9	8196.9	8007.6	7229.7	6771.6	4608.2
57.5°	1596.2	1680.2	1946.8	2630.4	4299.5	6492.4	8097.5	8223.4	7690.9	6835.7	4623.7
60°	806.6	790.4	886.1	1255.9	2491.2	5070.8	7484.6	7886.1	7774.1	6885.8	4633.2
62.5°	538.5	534.0	507.5	581.9	1018.0	3003.1	6380.4	6943.2	7195.9	6767.9	4511.0
65°	466.3	457.4	408.8	405.9	494.3	1245.6	4676.7	5458.2	5947.3	6244.2	4218.5
67.5°	419.9	406.6	357.3	332.9	355.0	547.3	2635.6	3660.9	4391.6	5280.7	3577.7
70°	374.9	368.3	318.9	283.6	281.4	333.7	970.8	1889.4	2687.1	3602.7	2615.7
72.5°	335.9	324.1	282.1	248.2	231.3	236.4	421.3	727.8	1390.7	2247.4	1564.5
75°	291.0	282.1	245.3	211.4	190.8	173.1	257.1	336.6	634.2	1068.1	738.8
77.5°	224.7	218.8	193.7	167.9	156.2	128.9	156.2	212.1	293.2	450.1	384.5
80°	130.4	134.1	144.4	131.1	114.9	92.1	101.7	122.3	176.0	243.8	218.0
82.5°	65.6	70.0	93.5	75.9	68.5	53.8	60.4	72.2	92.1	134.8	85.4
85°	5.2	5.2	16.9	19.2	23.6	19.2	24.3	29.5	42.0	53.8	28.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	3.7	6.6	12.5	8.1
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: P634560
 CATALOG NUMBER: GWS-SA3C-722-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2568.5	2568.5	2568.5	2568.5	2568.5	2568.5	2568.5	2568.5	2568.5	2568.5	2568.5
2.5°	2573.0	2535.4	2490.5	2453.6	2396.9	2366.7	2328.4	2281.3	2262.1	2253.3	2248.1
5°	2578.1	2511.8	2416.1	2327.7	2229.7	2152.4	2066.2	1976.3	1924.7	1912.2	1903.4
7.5°	2597.3	2504.4	2352.0	2206.1	2024.2	1855.5	1691.2	1528.4	1445.2	1413.5	1410.6
10°	2623.8	2501.5	2287.1	2044.8	1737.6	1471.0	1278.7	1151.3	1097.5	1079.9	1074.0
12.5°	2656.9	2499.3	2201.7	1820.9	1406.9	1155.0	1045.2	1024.6	1032.0	1030.5	1030.5
15°	2698.9	2502.2	2098.6	1567.5	1138.0	1002.5	1004.7	1029.0	1051.9	1055.6	1055.6
17.5°	2744.6	2499.3	1949.0	1313.4	976.7	966.4	1000.3	1034.2	1054.8	1057.8	1057.8
20°	2793.9	2485.3	1760.5	1074.0	906.0	943.6	980.4	1006.9	1019.5	1022.4	1022.4
22.5°	2823.4	2445.5	1555.7	909.0	861.1	907.5	931.8	959.1	960.5	937.0	936.2
25°	2819.0	2371.1	1322.2	802.9	813.2	853.7	884.7	865.5	841.9	828.7	826.5
27.5°	2791.0	2259.2	1084.3	722.6	756.5	802.2	792.6	776.4	770.5	755.8	754.3
30°	2755.6	2121.4	870.7	660.0	697.6	739.5	724.8	723.3	717.5	701.2	701.2
32.5°	2721.7	1979.2	709.3	613.6	660.0	662.9	683.6	685.0	682.1	654.1	651.2
35°	2712.2	1837.1	600.3	576.8	623.2	621.7	651.2	650.4	599.6	560.6	559.8
37.5°	2740.9	1692.7	535.5	546.6	572.3	591.5	615.1	572.3	555.4	531.8	530.4
40°	2802.0	1559.4	502.4	528.9	539.9	567.9	531.1	534.0	529.6	511.9	509.7
42.5°	2883.1	1445.9	483.9	523.0	521.5	528.9	488.4	500.2	506.8	493.5	491.3
45°	2961.1	1347.2	474.4	500.9	508.3	465.5	457.4	468.5	478.8	473.6	471.4
47.5°	3018.6	1261.8	469.2	470.7	491.3	444.2	430.9	436.1	448.6	450.8	450.1
50°	3036.3	1188.9	463.3	445.6	441.2	422.8	412.5	411.0	425.8	436.1	437.5
52.5°	3002.4	1124.1	447.9	423.5	402.2	405.1	401.4	394.1	408.8	422.8	424.3
55°	2952.3	1087.2	423.5	402.2	377.1	388.9	390.4	383.8	393.3	402.9	402.9
57.5°	2956.0	1108.6	400.0	382.3	355.0	370.5	378.6	375.7	375.7	383.0	383.8
60°	2980.3	1139.5	384.5	357.3	332.9	349.1	367.6	364.6	358.0	367.6	367.6
62.5°	2910.3	1098.3	374.2	332.9	309.4	328.5	350.6	349.1	341.8	357.3	358.7
65°	2704.1	987.8	362.4	302.7	285.8	307.9	327.1	332.2	325.6	346.2	349.9
67.5°	2266.5	830.9	339.6	274.0	262.2	282.9	301.3	308.6	303.5	327.8	330.7
70°	1689.8	672.5	303.5	242.3	233.5	251.9	268.9	271.8	272.5	301.3	304.2
72.5°	1077.6	523.0	255.6	207.0	200.4	214.4	226.9	238.7	243.8	271.1	270.3
75°	601.1	388.9	205.5	175.3	163.5	174.6	189.3	203.3	218.0	257.8	262.2
77.5°	346.2	273.3	162.8	140.7	126.7	138.5	151.0	170.9	215.1	249.7	245.3
80°	195.2	177.5	123.0	103.1	94.3	103.1	112.7	150.3	169.4	184.2	186.4
82.5°	91.3	99.4	84.0	63.3	63.3	69.2	78.1	116.4	128.2	104.6	91.3
85°	33.1	44.9	41.2	32.4	28.7	28.0	48.6	66.3	41.2	36.8	31.7
87.5°	8.8	12.5	11.8	8.1	4.4	3.7	0.0	0.0	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)