

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: P634395

Luminaire Tested: GWS-SA3B-760-U-AFL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634395  
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-SA3B-760-U-AFL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

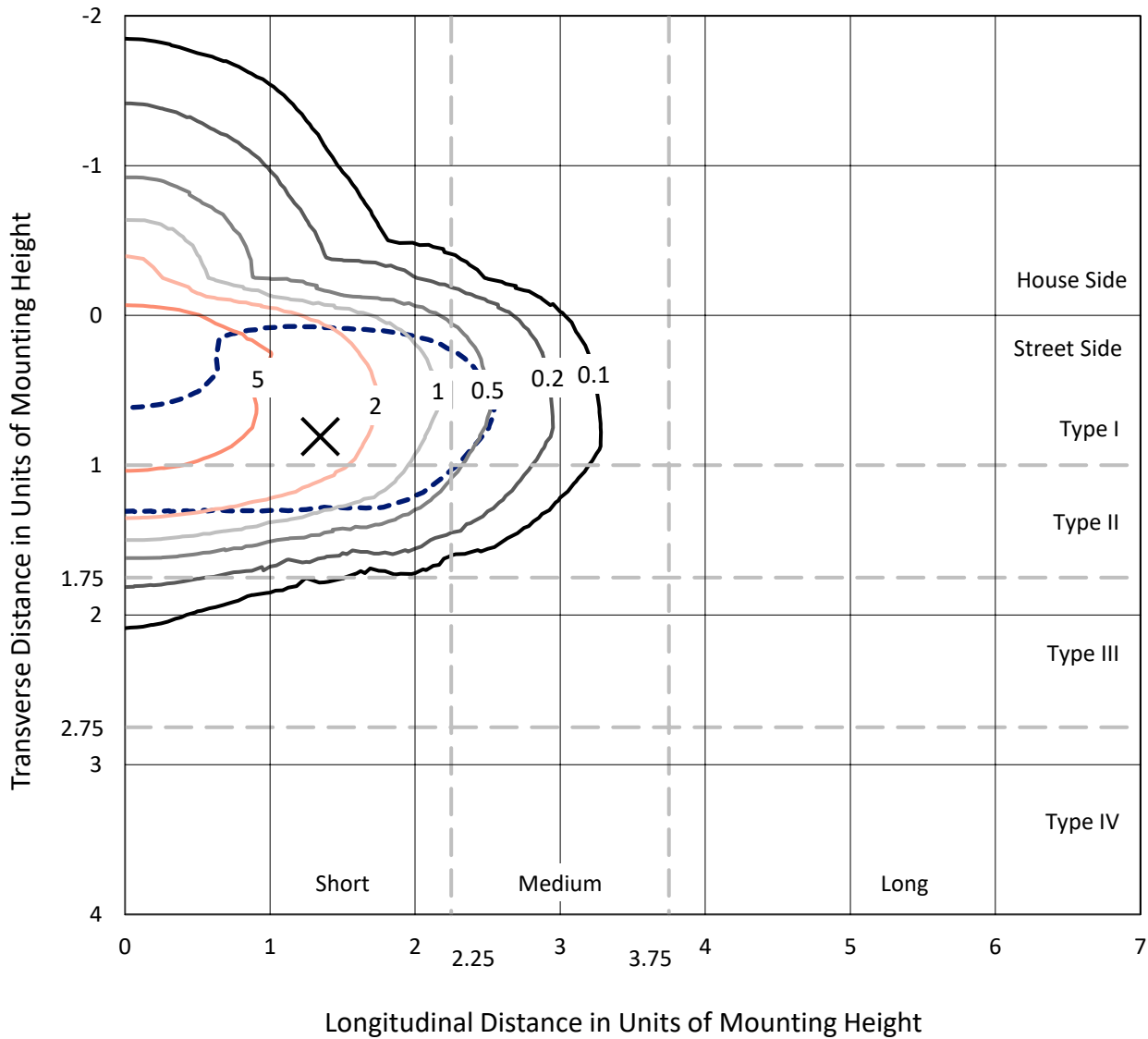
Lumens per Lamp: N/A  
Luminaire Lumens: 10686.2 lumens  
Efficiency: N/A  
Efficacy: 156.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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: P634395  
 CATALOG NUMBER: GWS-SA3B-760-U-AFL-W

### Iso-Footcandle Lines of Horizontal Illumination

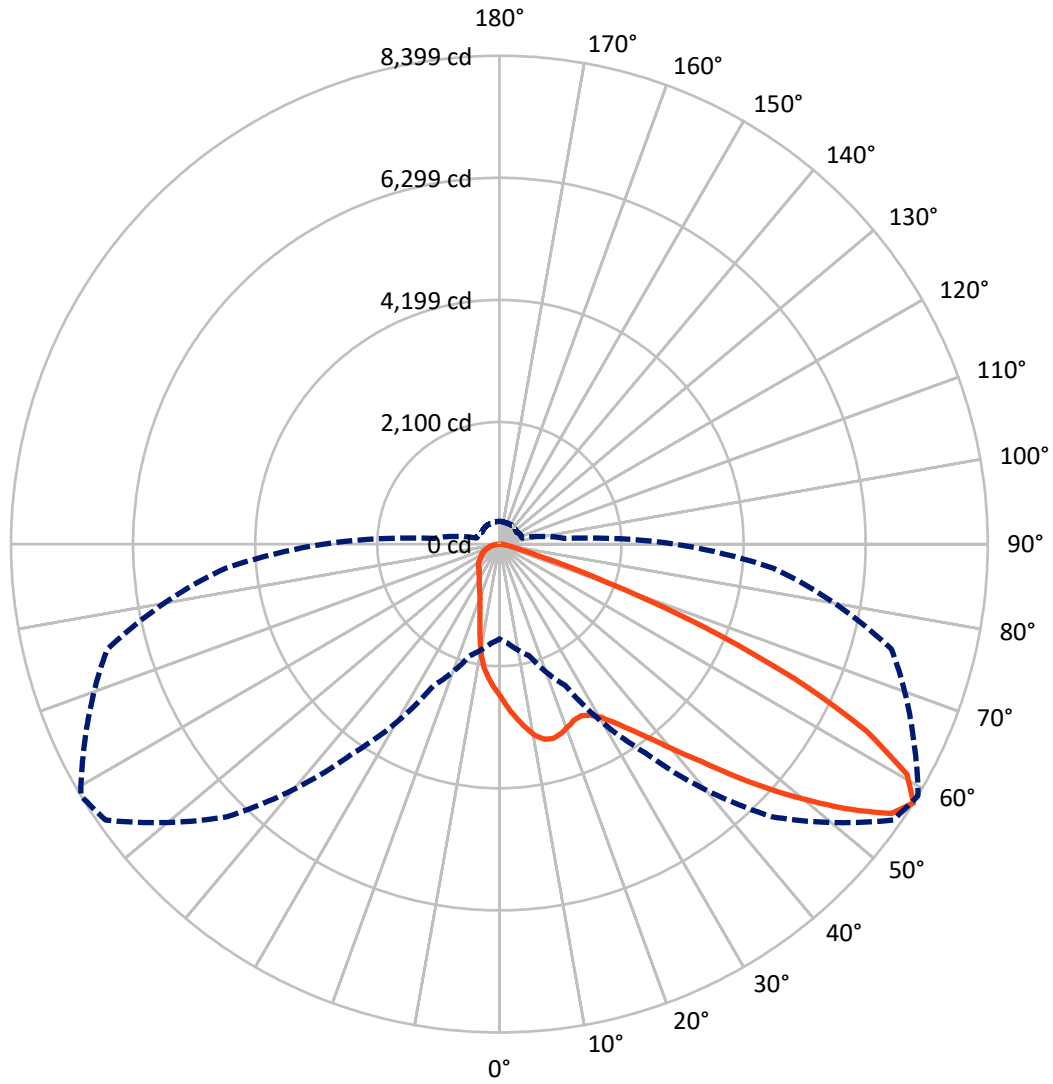
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8 fc  
 Type II - Short - N/A

REPORT NUMBER: P634395  
CATALOG NUMBER: GWS-SA3B-760-U-AFL-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P634395

CATALOG NUMBER: GWS-SA3B-760-U-AFL-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1658.4	0.0	1658.4
	% Fixture	15.5	0.0	15.5
<b>Street Side</b>	Lumens	9027.8	0.0	9027.8
	% Fixture	84.5	0.0	84.5
<b>Total</b>	Lumens	10686.2	0.0	10686.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.6	2.3
10°-20°	617.2	5.8
20°-30°	1000.5	9.4
30°-40°	1609.5	15.1
40°-50°	2499.3	23.4
50°-60°	2692.1	25.2
60°-70°	1562.4	14.6
70°-80°	407.9	3.8
80°-90°	53.7	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°	10686.2	100.0
0°-180°	10686.2	100.0

**Coefficient of Utilization**



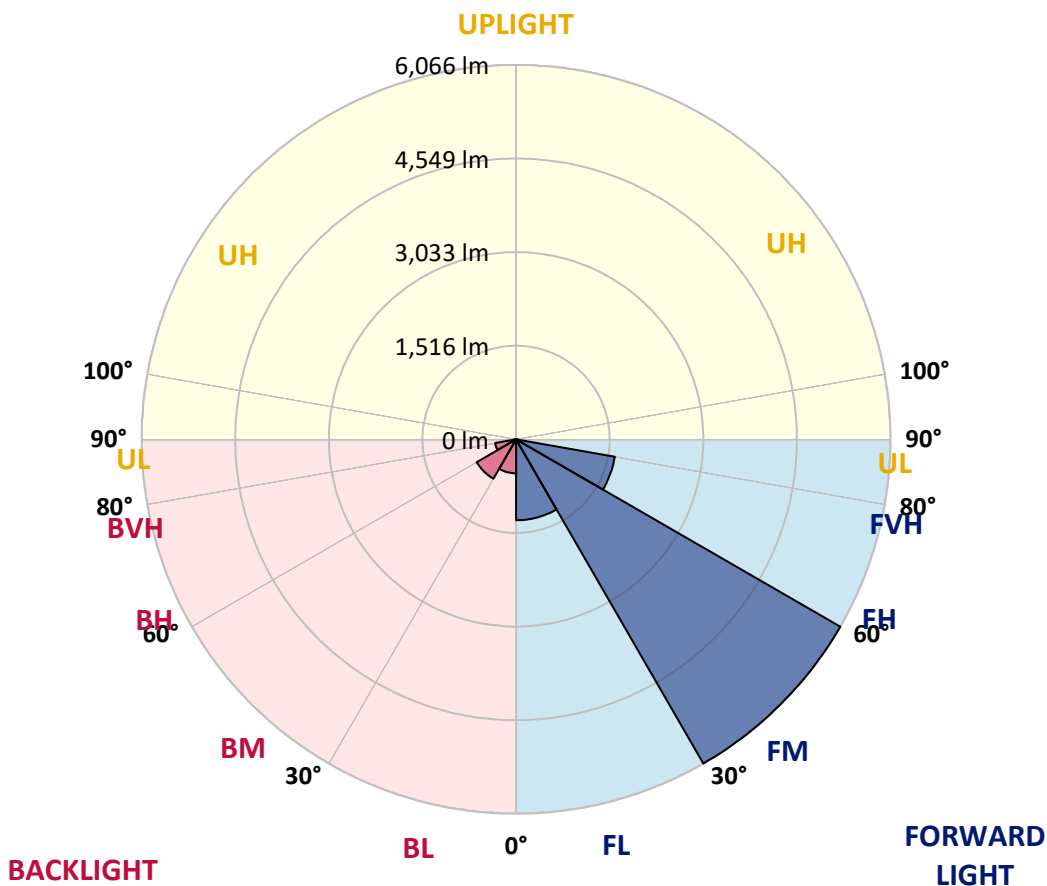
REPORT NUMBER: P634395

CATALOG NUMBER: GWS-SA3B-760-U-AFL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1311.1	12.3			
FM (30°-60°)	6065.6	56.8			
FH (60°-80°)	1625.3	15.2			G1/1800
FVH (80°-90°)	25.7	0.2			G1/100
BL (0°-30°)	550.2	5.1	B2/1000		
BM (30°-60°)	735.3	6.9	B1/1000		
BH (60°-80°)	344.9	3.2	B1/500		G1/500
BVH (80°-90°)	28.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type II Short





REPORT NUMBER: P634395  
 CATALOG NUMBER: GWS-SA3B-760-U-AFL-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2623.2	2623.2	2623.2	2623.2	2623.2	2623.2	2623.2	2623.2	2623.2	2623.2	2623.2
2.5°	2975.3	2950.5	2967.8	2937.0	2924.2	2890.3	2846.7	2817.3	2772.2	2713.5	2662.4
5°	3271.0	3253.7	3257.4	3224.3	3195.0	3138.6	3049.0	2999.4	2922.7	2804.6	2694.7
7.5°	3261.9	3282.3	3293.5	3322.1	3330.4	3325.1	3244.6	3175.4	3091.2	2913.6	2748.1
10°	2924.2	2962.5	2997.1	3094.9	3213.8	3364.3	3383.1	3341.7	3256.7	3052.8	2812.1
12.5°	2556.3	2585.6	2616.5	2733.8	2915.9	3216.8	3420.7	3446.3	3412.4	3190.5	2884.3
15°	2375.7	2389.3	2418.6	2496.1	2641.3	2975.3	3355.2	3467.3	3528.3	3336.4	2965.5
17.5°	2368.2	2374.2	2388.5	2429.9	2530.7	2788.8	3237.1	3425.2	3619.3	3490.6	3060.3
20°	2523.9	2508.1	2499.1	2498.4	2548.0	2726.3	3122.8	3357.5	3662.2	3648.6	3161.9
22.5°	2739.9	2745.1	2725.6	2677.4	2671.4	2770.7	3065.6	3289.0	3675.0	3788.6	3255.9
25°	3046.0	3072.4	3014.4	2922.7	2877.5	2899.3	3101.0	3268.0	3673.5	3905.2	3314.6
27.5°	3403.4	3423.7	3365.0	3244.6	3151.4	3098.7	3206.3	3330.4	3686.2	4006.0	3350.0
30°	3810.4	3817.1	3736.6	3610.3	3474.1	3361.2	3381.6	3459.0	3751.7	4138.4	3391.3
32.5°	4307.6	4336.2	4214.3	4014.2	3823.9	3679.5	3617.0	3666.7	3893.1	4294.8	3455.3
35°	4938.8	4948.6	4793.6	4507.0	4237.7	4037.6	3906.7	3933.0	4108.3	4513.8	3551.6
37.5°	5533.9	5543.7	5378.9	5112.6	4727.4	4453.6	4264.0	4252.0	4383.6	4823.0	3708.8
40°	5911.5	5939.4	5865.6	5698.6	5330.8	4961.4	4704.1	4662.7	4744.7	5201.4	3927.7
42.5°	6114.6	6126.7	6125.2	6147.0	5928.1	5561.0	5200.6	5117.9	5172.8	5609.9	4148.9
45°	6116.1	6146.2	6226.7	6436.6	6446.4	6217.7	5828.0	5698.6	5648.2	6021.4	4379.9
47.5°	5842.3	5874.7	6095.8	6508.8	6813.5	6865.4	6579.6	6320.0	6107.9	6375.7	4569.4
50°	5013.3	5094.5	5515.8	6246.3	6885.7	7384.5	7296.5	6944.4	6516.4	6649.5	4688.3
52.5°	4293.3	4290.3	4549.9	5504.5	6584.1	7613.2	7990.1	7586.9	6920.4	6823.3	4718.4
55°	3143.8	3161.1	3426.7	4209.8	5779.1	7392.0	8371.5	8178.2	7383.8	6915.8	4706.3
57.5°	1630.2	1716.0	1988.3	2686.4	4391.1	6630.7	8270.0	8398.6	7854.7	6981.3	4722.1
60°	823.8	807.2	905.0	1282.7	2544.3	5178.8	7644.1	8054.1	7939.7	7032.4	4731.9
62.5°	549.9	545.4	518.3	594.3	1039.7	3067.1	6516.4	7091.1	7349.2	6912.1	4607.0
65°	476.2	467.2	417.5	414.5	504.8	1272.1	4776.3	5574.5	6074.0	6377.2	4308.4
67.5°	428.8	415.3	364.9	340.0	362.6	559.0	2691.7	3738.9	4485.2	5393.2	3653.9
70°	382.9	376.1	325.7	289.6	287.4	340.8	991.5	1929.6	2744.4	3679.5	2671.4
72.5°	343.0	331.0	288.1	253.5	236.2	241.5	430.3	743.3	1420.3	2295.2	1597.9
75°	297.2	288.1	250.5	215.9	194.8	176.8	262.6	343.8	647.7	1090.8	754.6
77.5°	229.4	223.4	197.9	171.5	159.5	131.7	159.5	216.7	299.4	459.7	392.7
80°	133.2	136.9	147.4	133.9	117.4	94.0	103.8	124.9	179.8	249.0	222.7
82.5°	67.0	71.5	95.5	77.5	70.0	54.9	61.7	73.7	94.0	137.7	87.3
85°	5.3	5.3	17.3	19.6	24.1	19.6	24.8	30.1	42.9	54.9	29.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.8	6.8	12.8	8.3
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: P634395  
 CATALOG NUMBER: GWS-SA3B-760-U-AFL-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2623.2	2623.2	2623.2	2623.2	2623.2	2623.2	2623.2	2623.2	2623.2	2623.2	2623.2
2.5°	2627.8	2589.4	2543.5	2505.9	2448.0	2417.1	2378.0	2329.9	2310.3	2301.3	2296.0
5°	2633.0	2565.3	2467.5	2377.2	2277.2	2198.2	2110.2	2018.4	1965.7	1953.0	1943.9
7.5°	2652.6	2557.8	2402.1	2253.1	2067.3	1895.0	1727.3	1561.0	1476.0	1443.7	1440.6
10°	2679.7	2554.8	2335.9	2088.4	1774.7	1502.3	1306.0	1175.8	1120.9	1102.9	1096.8
12.5°	2713.5	2552.5	2248.6	1859.7	1436.9	1179.6	1067.5	1046.4	1054.0	1052.5	1052.5
15°	2756.4	2555.5	2143.3	1600.9	1162.3	1023.9	1026.1	1051.0	1074.3	1078.0	1078.0
17.5°	2803.0	2552.5	1990.6	1341.3	997.5	987.0	1021.6	1056.2	1077.3	1080.3	1080.3
20°	2853.5	2538.2	1798.0	1096.8	925.3	963.7	1001.3	1028.4	1041.2	1044.2	1044.2
22.5°	2883.5	2497.6	1588.8	928.3	879.4	926.8	951.7	979.5	981.0	956.9	956.2
25°	2879.0	2421.6	1350.4	820.0	830.5	871.9	903.5	883.9	859.9	846.3	844.1
27.5°	2850.4	2307.3	1107.4	738.0	772.6	819.2	809.5	792.9	786.9	771.9	770.3
30°	2814.3	2166.6	889.2	674.1	712.4	755.3	740.3	738.8	732.7	716.2	716.2
32.5°	2779.7	2021.4	724.5	626.7	674.1	677.1	698.1	699.6	696.6	668.0	665.0
35°	2769.9	1876.2	613.1	589.0	636.4	634.9	665.0	664.3	612.4	572.5	571.7
37.5°	2799.3	1728.8	546.9	558.2	584.5	604.1	628.2	584.5	567.2	543.2	541.7
40°	2861.7	1592.6	513.1	540.1	551.4	580.0	542.4	545.4	540.9	522.8	520.6
42.5°	2944.5	1476.8	494.3	534.1	532.6	540.1	498.8	510.8	517.6	504.0	501.8
45°	3024.2	1375.9	484.5	511.6	519.1	475.4	467.2	478.5	489.0	483.7	481.5
47.5°	3082.9	1288.7	479.2	480.7	501.8	453.6	440.1	445.4	458.1	460.4	459.7
50°	3101.0	1214.2	473.2	455.1	450.6	431.8	421.3	419.8	434.8	445.4	446.9
52.5°	3066.3	1148.0	457.4	432.6	410.8	413.8	410.0	402.5	417.5	431.8	433.3
55°	3015.2	1110.4	432.6	410.8	385.2	397.2	398.7	391.9	401.7	411.5	411.5
57.5°	3019.0	1132.2	408.5	390.4	362.6	378.4	386.7	383.7	383.7	391.2	391.9
60°	3043.8	1163.8	392.7	364.9	340.0	356.6	375.4	372.4	365.6	375.4	375.4
62.5°	2972.3	1121.7	382.2	340.0	316.0	335.5	358.1	356.6	349.1	364.9	366.4
65°	2761.7	1008.8	370.1	309.2	291.9	314.5	334.0	339.3	332.5	353.6	357.3
67.5°	2314.8	848.6	346.8	279.9	267.8	288.9	307.7	315.2	309.9	334.8	337.8
70°	1725.8	686.8	309.9	247.5	238.5	257.3	274.6	277.6	278.3	307.7	310.7
72.5°	1100.6	534.1	261.0	211.4	204.6	218.9	231.7	243.7	249.0	276.8	276.1
75°	613.9	397.2	209.9	179.0	167.0	178.3	193.3	207.6	222.7	263.3	267.8
77.5°	353.6	279.1	166.3	143.7	129.4	141.4	154.2	174.5	219.7	255.0	250.5
80°	199.4	181.3	125.6	105.3	96.3	105.3	115.1	153.5	173.0	188.1	190.3
82.5°	93.3	101.6	85.8	64.7	64.7	70.7	79.7	118.9	130.9	106.8	93.3
85°	33.9	45.9	42.1	33.1	29.3	28.6	49.7	67.7	42.1	37.6	32.3
87.5°	9.0	12.8	12.0	8.3	4.5	3.8	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)