

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: P632415

Luminaire Tested: GWS-SA2C-760-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632415
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-SA2C-760-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9508.6 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

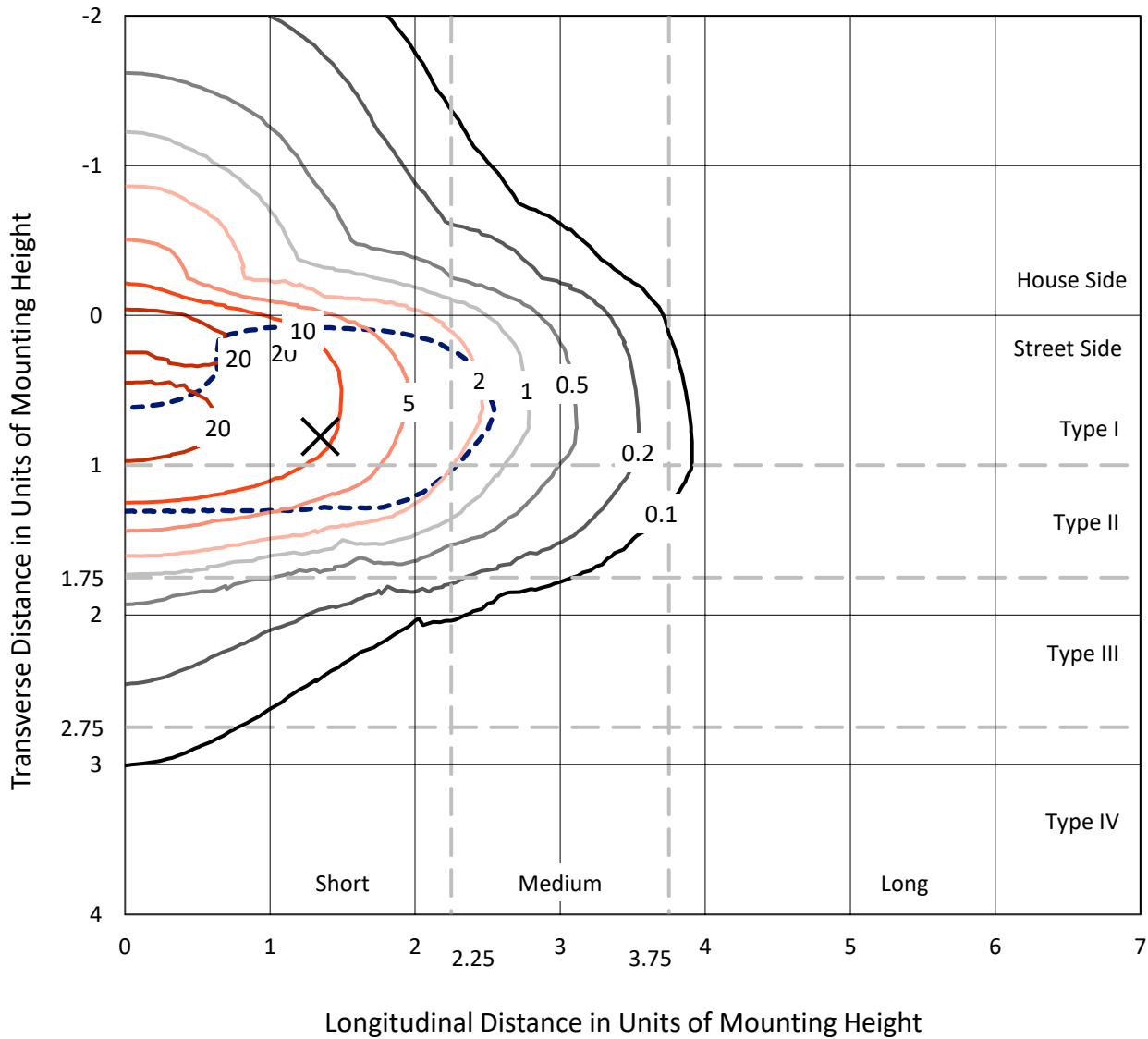
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

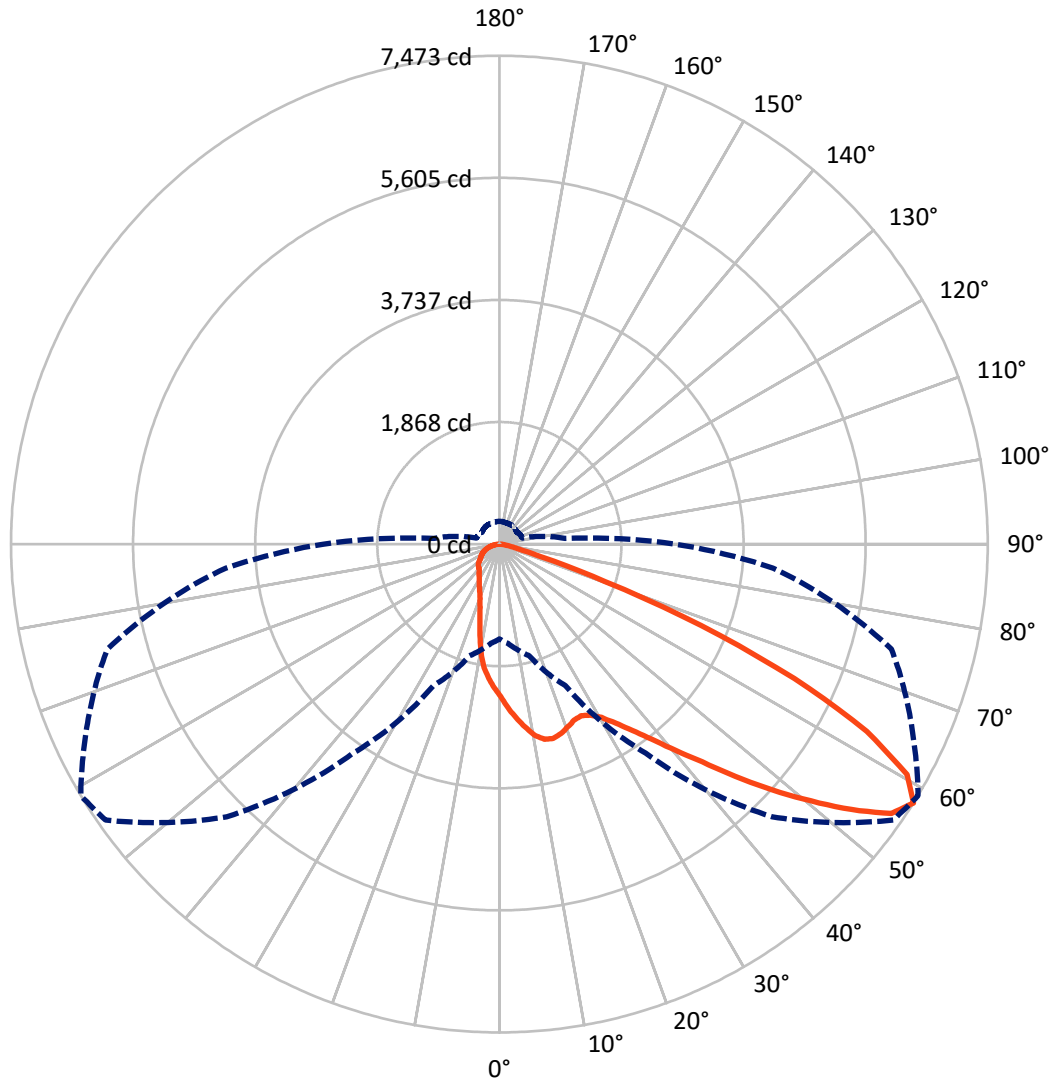
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1475.7	0.0	1475.7
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	8032.9	0.0	8032.9
	% Fixture	84.5	0.0	84.5
Total	Lumens	9508.6	0.0	9508.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.7	2.3
10°-20°	549.2	5.8
20°-30°	890.3	9.4
30°-40°	1432.1	15.1
40°-50°	2223.9	23.4
50°-60°	2395.4	25.2
60°-70°	1390.2	14.6
70°-80°	362.9	3.8
80°-90°	47.8	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°	9508.6	100.0
0°-180°	9508.6	100.0

Coefficient of Utilization



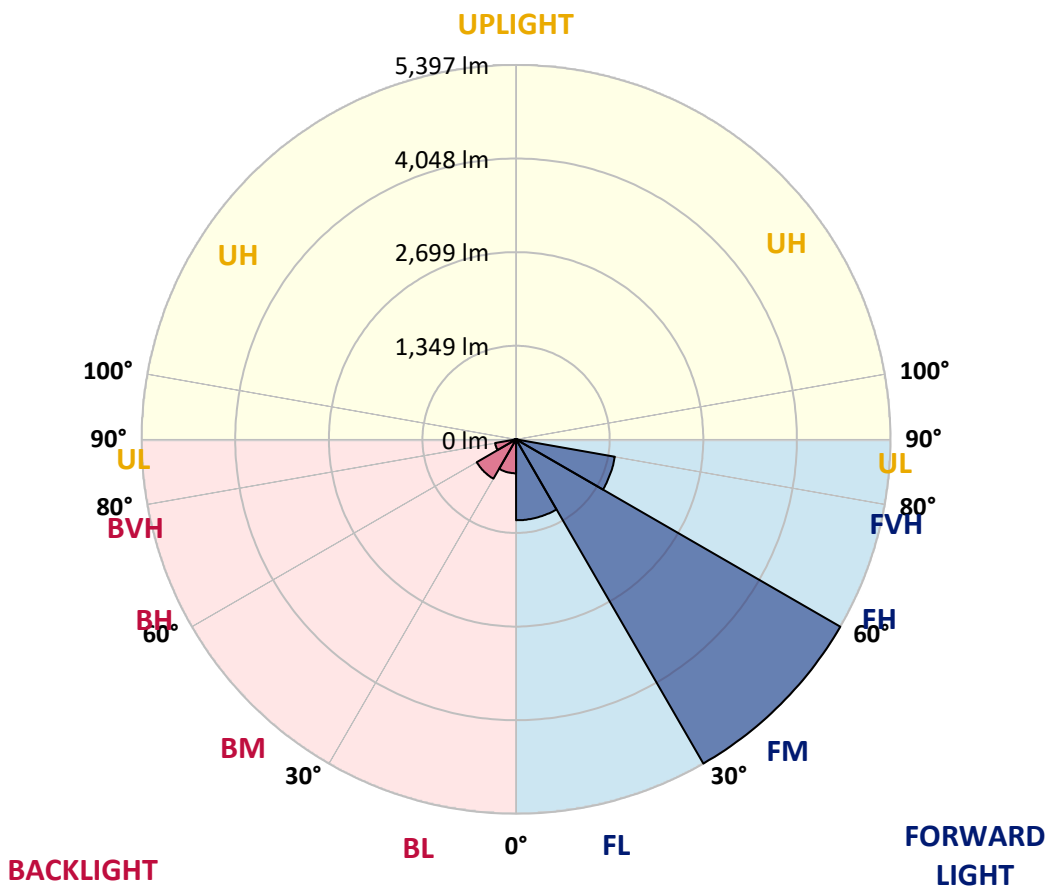
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1166.6	12.3			
FM (30°-60°)	5397.2	56.8			
FH (60°-80°)	1446.2	15.2			G1/1800
FVH (80°-90°)	22.9	0.2			G1/100
BL (0°-30°)	489.6	5.1	B1/500		
BM (30°-60°)	654.3	6.9	B1/1000		
BH (60°-80°)	306.9	3.2	B1/500		G1/500
BVH (80°-90°)	24.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2
2.5°	2647.4	2625.4	2640.8	2613.3	2601.9	2571.8	2533.0	2506.9	2466.7	2414.5	2369.0
5°	2910.5	2895.1	2898.5	2869.0	2842.9	2792.7	2713.0	2668.9	2600.6	2495.5	2397.8
7.5°	2902.5	2920.6	2930.6	2956.0	2963.4	2958.7	2887.1	2825.5	2750.5	2592.6	2445.3
10°	2601.9	2636.1	2666.9	2753.9	2859.6	2993.5	3010.3	2973.4	2897.8	2716.4	2502.2
12.5°	2274.6	2300.7	2328.1	2432.6	2594.6	2862.3	3043.7	3066.5	3036.4	2838.9	2566.5
15°	2113.9	2126.0	2152.1	2221.0	2350.2	2647.4	2985.5	3085.2	3139.5	2968.8	2638.7
17.5°	2107.2	2112.6	2125.3	2162.1	2251.8	2481.4	2880.4	3047.7	3220.4	3106.0	2723.1
20°	2245.8	2231.8	2223.7	2223.1	2267.2	2425.9	2778.6	2987.5	3258.6	3246.6	2813.5
22.5°	2437.9	2442.6	2425.2	2382.4	2377.0	2465.4	2727.8	2926.6	3270.0	3371.1	2897.1
25°	2710.4	2733.8	2682.3	2600.6	2560.4	2579.8	2759.2	2907.8	3268.6	3474.8	2949.3
27.5°	3028.3	3046.4	2994.2	2887.1	2804.1	2757.2	2853.0	2963.4	3280.0	3564.5	2980.8
30°	3390.5	3396.5	3324.9	3212.4	3091.3	2990.8	3008.9	3077.9	3338.3	3682.3	3017.6
32.5°	3832.9	3858.4	3749.9	3571.9	3402.5	3274.0	3218.4	3262.6	3464.1	3821.6	3074.5
35°	4394.6	4403.3	4265.4	4010.3	3770.7	3592.6	3476.2	3499.6	3655.6	4016.4	3160.2
37.5°	4924.1	4932.8	4786.2	4549.2	4206.5	3962.8	3794.1	3783.4	3900.5	4291.5	3300.1
40°	5260.1	5284.9	5219.3	5070.6	4743.3	4414.6	4185.7	4148.9	4221.9	4628.2	3494.9
42.5°	5440.8	5451.5	5450.2	5469.6	5274.8	4948.1	4627.5	4553.9	4602.7	4991.7	3691.7
45°	5442.2	5468.9	5540.6	5727.3	5736.0	5532.5	5185.8	5070.6	5025.8	5357.8	3897.2
47.5°	5198.5	5227.3	5424.1	5791.6	6062.7	6108.9	5854.5	5623.6	5434.8	5673.1	4065.9
50°	4460.8	4533.1	4908.0	5558.0	6126.9	6570.8	6492.4	6179.2	5798.3	5916.8	4171.7
52.5°	3820.2	3817.5	4048.5	4897.9	5858.5	6774.3	7109.6	6750.8	6157.7	6071.4	4198.4
55°	2797.4	2812.8	3049.1	3745.9	5142.3	6577.4	7449.0	7277.0	6570.1	6153.7	4187.7
57.5°	1450.6	1526.9	1769.2	2390.4	3907.2	5900.0	7358.6	7473.1	6989.1	6212.0	4201.8
60°	733.0	718.3	805.3	1141.3	2263.9	4608.1	6801.7	7166.5	7064.8	6257.5	4210.5
62.5°	489.3	485.3	461.2	528.8	925.1	2729.1	5798.3	6309.7	6539.3	6150.4	4099.4
65°	423.7	415.7	371.5	368.8	449.2	1131.9	4250.0	4960.2	5404.7	5674.4	3833.6
67.5°	381.6	369.5	324.7	302.6	322.6	497.4	2395.1	3326.9	3990.9	4798.9	3251.2
70°	340.7	334.7	289.8	257.7	255.7	303.2	882.3	1717.0	2441.9	3274.0	2377.0
72.5°	305.2	294.5	256.4	225.6	210.2	214.9	382.9	661.4	1263.8	2042.3	1421.8
75°	264.4	256.4	222.9	192.1	173.4	157.3	233.6	305.9	576.3	970.6	671.4
77.5°	204.2	198.8	176.1	152.6	141.9	117.1	141.9	192.8	266.4	409.0	349.4
80°	118.5	121.8	131.2	119.2	104.4	83.7	92.4	111.1	160.0	221.6	198.1
82.5°	59.6	63.6	85.0	68.9	62.3	48.9	54.9	65.6	83.7	122.5	77.6
85°	4.7	4.7	15.4	17.4	21.4	17.4	22.1	26.8	38.2	48.9	26.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.3	6.0	11.4	7.4
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°	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2	2334.2
2.5°	2338.2	2304.0	2263.2	2229.7	2178.2	2150.8	2115.9	2073.1	2055.7	2047.7	2043.0
5°	2342.9	2282.6	2195.6	2115.3	2026.3	1956.0	1877.6	1796.0	1749.1	1737.7	1729.7
7.5°	2360.3	2275.9	2137.4	2004.8	1839.5	1686.2	1536.9	1389.0	1313.3	1284.6	1281.9
10°	2384.4	2273.3	2078.5	1858.2	1579.1	1336.8	1162.1	1046.3	997.4	981.3	976.0
12.5°	2414.5	2271.2	2000.8	1654.7	1278.5	1049.6	949.9	931.1	937.8	936.5	936.5
15°	2452.7	2273.9	1907.1	1424.5	1034.2	911.0	913.1	935.1	955.9	959.2	959.2
17.5°	2494.2	2271.2	1771.2	1193.5	887.6	878.2	909.0	939.8	958.6	961.2	961.2
20°	2539.0	2258.5	1599.8	976.0	823.4	857.5	891.0	915.1	926.4	929.1	929.1
22.5°	2565.8	2222.4	1413.8	826.0	782.5	824.7	846.8	871.5	872.9	851.5	850.8
25°	2561.8	2154.8	1201.6	729.6	739.0	775.8	803.9	786.5	765.1	753.1	751.1
27.5°	2536.3	2053.0	985.3	656.7	687.5	729.0	720.3	705.5	700.2	686.8	685.5
30°	2504.2	1927.9	791.2	599.8	633.9	672.1	658.7	657.3	652.0	637.3	637.3
32.5°	2473.4	1798.7	644.6	557.6	599.8	602.5	621.2	622.5	619.9	594.4	591.7
35°	2464.7	1669.5	545.6	524.1	566.3	565.0	591.7	591.1	544.9	509.4	508.7
37.5°	2490.8	1538.3	486.6	496.7	520.1	537.5	558.9	520.1	504.7	483.3	482.0
40°	2546.4	1417.1	456.5	480.6	490.7	516.1	482.6	485.3	481.3	465.2	463.2
42.5°	2620.0	1314.0	439.8	475.3	473.9	480.6	443.8	454.5	460.5	448.5	446.5
45°	2691.0	1224.3	431.1	455.2	461.9	423.1	415.7	425.7	435.1	430.4	428.4
47.5°	2743.2	1146.7	426.4	427.7	446.5	403.6	391.6	396.3	407.7	409.7	409.0
50°	2759.2	1080.4	421.0	405.0	401.0	384.2	374.9	373.5	386.9	396.3	397.6
52.5°	2728.4	1021.5	407.0	384.9	365.5	368.2	364.8	358.1	371.5	384.2	385.6
55°	2682.9	988.0	384.9	365.5	342.7	353.4	354.8	348.8	357.5	366.2	366.2
57.5°	2686.3	1007.4	363.5	347.4	322.6	336.7	344.1	341.4	341.4	348.1	348.8
60°	2708.4	1035.5	349.4	324.7	302.6	317.3	334.0	331.3	325.3	334.0	334.0
62.5°	2644.8	998.1	340.1	302.6	281.1	298.5	318.6	317.3	310.6	324.7	326.0
65°	2457.3	897.7	329.3	275.1	259.7	279.8	297.2	301.9	295.9	314.6	318.0
67.5°	2059.7	755.1	308.6	249.0	238.3	257.0	273.8	280.5	275.8	297.9	300.6
70°	1535.6	611.2	275.8	220.2	212.2	228.9	244.3	247.0	247.7	273.8	276.5
72.5°	979.3	475.3	232.3	188.1	182.1	194.8	206.2	216.9	221.6	246.3	245.7
75°	546.2	353.4	186.8	159.3	148.6	158.6	172.0	184.8	198.1	234.3	238.3
77.5°	314.6	248.3	147.9	127.9	115.1	125.8	137.2	155.3	195.5	226.9	222.9
80°	177.4	161.3	111.8	93.7	85.7	93.7	102.4	136.6	154.0	167.3	169.4
82.5°	83.0	90.4	76.3	57.6	57.6	62.9	71.0	105.8	116.5	95.1	83.0
85°	30.1	40.8	37.5	29.5	26.1	25.4	44.2	60.2	37.5	33.5	28.8
87.5°	8.0	11.4	10.7	7.4	4.0	3.3	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)