

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: P632445

Luminaire Tested: GWS-SA2C-760-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9521.4 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

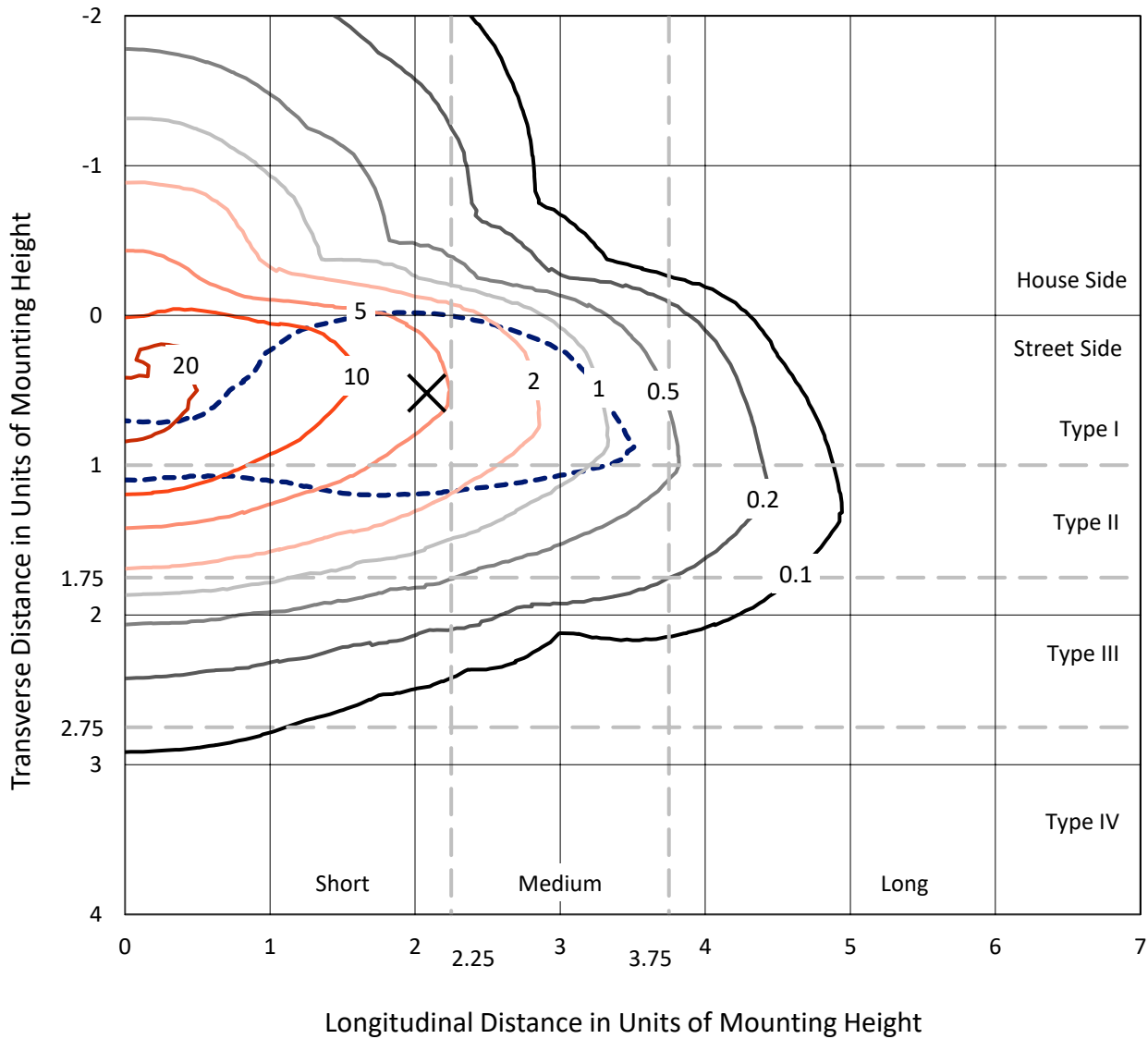
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

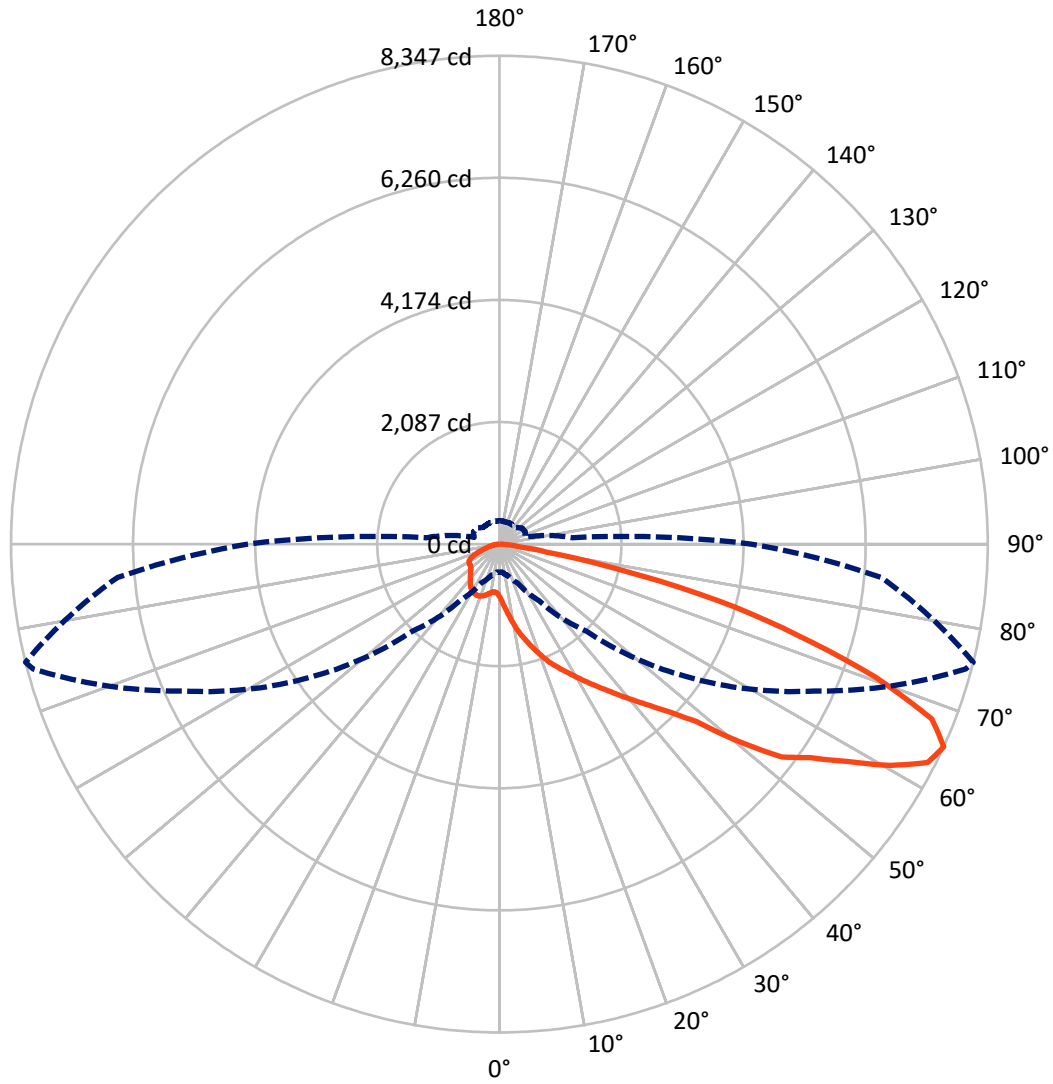
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1591.5	0.0	1591.5
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	7929.9	0.0	7929.9
	% Fixture	83.3	0.0	83.3
Total	Lumens	9521.4	0.0	9521.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	1.1
10°-20°	408.0	4.3
20°-30°	795.2	8.4
30°-40°	1329.8	14.0
40°-50°	1904.1	20.0
50°-60°	2254.2	23.7
60°-70°	1874.3	19.7
70°-80°	767.0	8.1
80°-90°	81.7	0.9
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°	9521.4	100.0
0°-180°	9521.4	100.0

Coefficient of Utilization



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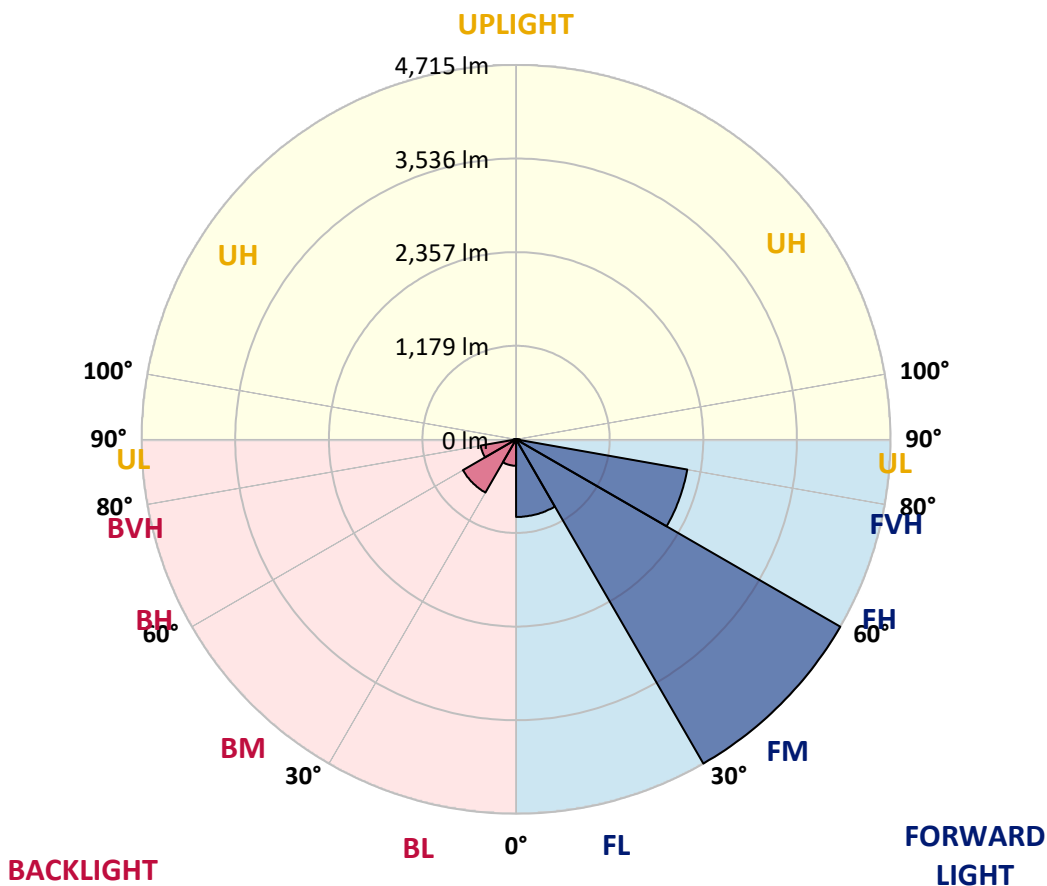
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	977.3	10.3			
FM (30°-60°)	4714.6	49.5			
FH (60°-80°)	2189.2	23.0			G2/5000
FVH (80°-90°)	48.7	0.5			G1/100
BL (0°-30°)	332.9	3.5	B1/500		
BM (30°-60°)	773.4	8.1	B1/1000		
BH (60°-80°)	452.2	4.7	B1/500		G1/500
BVH (80°-90°)	33.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	901.6	901.6	901.6	901.6	901.6	901.6	901.6	901.6	901.6	901.6	901.6
2.5°	1263.8	1268.5	1253.1	1247.7	1211.6	1162.7	1121.9	1060.3	1003.4	994.7	943.8
5°	1605.1	1585.1	1567.7	1556.3	1506.1	1450.5	1364.2	1248.4	1127.2	1112.5	1002.7
7.5°	1808.0	1804.6	1783.2	1776.5	1737.7	1682.1	1593.1	1449.2	1273.1	1249.0	1082.4
10°	1970.6	1968.6	1957.9	1963.9	1928.5	1874.2	1787.9	1639.3	1433.1	1409.0	1171.4
12.5°	2112.5	2115.9	2113.9	2136.0	2117.9	2075.7	1986.0	1822.7	1593.1	1567.0	1279.8
15°	2216.3	2219.0	2229.0	2277.2	2287.2	2278.5	2187.5	2002.8	1751.1	1713.6	1391.6
17.5°	2245.7	2251.1	2275.2	2352.8	2407.1	2443.2	2375.6	2186.2	1906.4	1865.5	1505.4
20°	2285.2	2291.3	2315.4	2396.3	2476.0	2558.3	2546.3	2372.2	2063.0	2029.5	1620.5
22.5°	2468.0	2463.3	2452.6	2491.4	2548.3	2650.7	2680.8	2551.0	2225.0	2192.9	1747.7
25°	2820.1	2811.4	2743.1	2707.6	2688.9	2751.1	2804.7	2713.6	2383.0	2334.8	1866.2
27.5°	3208.3	3203.6	3116.6	3032.2	2917.1	2890.3	2921.8	2855.5	2536.2	2487.4	1969.3
30°	3575.8	3561.7	3470.7	3364.9	3211.0	3095.8	3049.6	2994.8	2704.3	2653.4	2089.8
32.5°	3904.4	3886.4	3779.3	3662.1	3500.8	3364.9	3227.0	3142.7	2894.4	2835.5	2212.9
35°	4174.2	4156.1	4046.3	3921.8	3744.5	3644.1	3455.3	3303.3	3087.8	3028.2	2358.2
37.5°	4383.0	4366.3	4251.8	4129.3	3974.7	3895.1	3731.1	3484.1	3310.7	3248.5	2512.1
40°	4500.2	4488.1	4396.4	4299.4	4169.5	4100.6	4026.9	3712.3	3560.4	3498.1	2693.5
42.5°	4535.7	4527.6	4463.4	4413.2	4325.5	4273.3	4315.4	3980.7	3826.8	3772.6	2897.7
45°	4446.6	4446.6	4427.9	4453.3	4457.3	4456.7	4604.6	4284.0	4154.1	4094.5	3185.5
47.5°	4219.0	4233.8	4261.2	4386.4	4518.2	4628.7	4942.6	4688.3	4575.1	4526.3	3593.2
50°	3802.7	3842.9	3936.6	4180.9	4461.4	4742.5	5262.6	5286.0	5393.8	5307.4	4192.9
52.5°	3192.9	3186.9	3425.8	3773.9	4201.6	4747.2	5438.6	5813.5	6103.3	6043.7	4638.7
55°	2537.6	2527.5	2750.4	3230.4	3803.4	4567.8	5544.4	6055.1	6496.9	6443.4	5039.7
57.5°	1943.2	1930.5	2128.6	2561.7	3241.1	4186.9	5524.3	6343.0	7038.4	7011.0	5584.6
60°	1337.4	1322.0	1507.4	1886.3	2575.7	3604.6	5302.1	6490.9	7672.3	7681.7	6167.6
62.5°	803.2	794.5	929.1	1222.9	1852.8	2883.0	4782.0	6401.2	8177.0	8219.2	6542.4
65°	484.6	478.6	557.6	729.6	1175.4	2103.8	3980.1	5942.7	8250.0	8347.0	6551.1
67.5°	352.8	353.4	376.2	444.5	685.4	1358.8	2986.7	5120.7	7869.8	7970.2	6138.1
70°	306.6	307.9	320.0	335.4	414.3	777.8	1941.8	4042.3	6745.9	6823.6	5148.1
72.5°	272.4	272.4	280.5	288.5	324.0	473.9	1040.2	2825.4	5324.2	5344.9	3929.2
75°	239.6	237.6	241.6	245.7	281.1	331.3	506.0	1968.6	3932.5	3884.4	2539.6
77.5°	190.8	188.8	189.4	193.4	225.6	237.0	256.4	1229.6	2216.3	2091.8	1121.9
80°	135.9	134.5	141.9	151.9	166.7	145.3	160.6	595.1	878.9	818.0	435.1
82.5°	81.0	83.7	95.1	103.1	115.1	91.0	103.8	198.8	311.3	303.2	176.7
85°	11.4	12.0	34.1	39.5	49.5	35.5	54.9	89.7	124.5	133.2	62.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	16.1	35.5	36.1	15.4
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°	901.6	901.6	901.6	901.6	901.6	901.6	901.6	901.6	901.6	901.6	901.6
2.5°	917.7	886.2	841.4	803.9	772.5	747.0	725.6	709.5	704.8	698.2	698.2
5°	951.2	894.3	814.0	757.1	724.3	704.8	691.5	684.8	681.4	677.4	675.4
7.5°	997.4	917.7	809.3	751.7	726.3	714.2	705.5	701.5	698.8	694.8	694.8
10°	1061.0	952.5	824.0	770.4	750.4	738.3	728.3	721.6	715.6	709.5	708.2
12.5°	1129.9	998.0	850.8	795.9	774.5	759.7	745.7	735.6	728.3	720.9	718.9
15°	1206.2	1044.9	879.6	820.6	793.9	773.8	757.1	741.7	731.6	720.9	719.6
17.5°	1281.2	1092.4	903.6	837.4	803.2	778.5	754.4	734.3	721.6	709.5	706.2
20°	1370.9	1139.9	920.4	842.1	801.2	768.4	739.7	714.2	700.2	686.1	684.1
22.5°	1453.2	1184.1	928.4	835.4	785.8	747.0	713.5	686.1	670.7	656.7	654.0
25°	1532.9	1222.9	925.1	819.3	762.4	717.6	682.8	655.3	640.6	625.9	621.8
27.5°	1609.8	1249.0	911.7	794.5	733.0	684.8	651.3	626.5	613.8	601.1	595.7
30°	1685.5	1273.1	890.9	762.4	695.5	650.6	623.2	605.8	593.1	579.7	575.7
32.5°	1761.8	1290.5	859.5	724.9	657.3	620.5	603.8	591.1	577.7	564.3	560.3
35°	1838.8	1297.9	821.3	682.1	625.2	601.1	595.1	580.3	562.3	546.2	540.9
37.5°	1930.5	1304.6	773.8	639.9	597.1	591.7	590.4	568.3	546.9	524.8	518.8
40°	2040.9	1313.3	724.9	601.8	574.3	588.4	583.0	552.9	510.1	488.6	481.9
42.5°	2176.1	1329.4	674.1	567.0	557.6	575.7	569.6	515.4	486.6	474.6	471.2
45°	2374.9	1388.3	623.2	539.5	544.9	557.6	548.2	493.3	481.9	473.9	469.9
47.5°	2729.0	1478.6	579.0	518.8	534.8	541.5	505.4	487.3	478.6	467.9	463.2
50°	3097.2	1518.1	543.5	506.0	523.4	526.8	481.9	479.3	473.2	461.9	457.2
52.5°	3346.2	1512.8	522.1	501.4	514.1	501.4	471.2	470.6	466.6	453.2	447.8
55°	3627.3	1522.1	512.7	502.7	510.1	458.5	457.8	459.9	457.8	443.1	440.4
57.5°	4006.8	1550.9	508.1	507.4	507.4	437.8	445.1	447.8	443.8	437.1	435.1
60°	4371.7	1552.9	499.4	512.7	505.4	425.0	430.4	433.1	428.4	427.1	426.4
62.5°	4508.9	1456.5	479.9	508.7	497.3	411.0	415.0	416.3	411.7	415.0	414.3
65°	4304.7	1251.7	447.8	489.3	472.6	398.3	395.6	398.9	390.9	399.6	400.3
67.5°	3822.1	994.7	398.9	452.5	437.8	384.2	378.9	378.9	365.5	378.9	378.2
70°	3081.8	702.8	327.3	393.6	399.6	367.5	364.8	349.4	328.0	348.1	346.1
72.5°	2336.1	504.7	257.7	311.3	344.1	344.1	344.7	318.6	293.9	303.2	295.2
75°	1480.0	355.4	206.2	238.3	269.8	301.9	317.3	269.1	247.0	243.0	239.0
77.5°	666.7	233.6	160.6	182.7	191.4	238.3	289.8	231.6	201.5	192.8	190.1
80°	279.1	145.3	114.5	129.2	117.8	200.1	255.7	180.1	147.9	135.9	127.2
82.5°	122.5	86.3	73.0	69.6	73.6	148.6	190.8	119.8	92.4	125.2	126.5
85°	51.5	45.5	37.5	34.1	30.1	56.9	89.7	46.9	57.6	32.8	26.8
87.5°	12.0	13.4	10.0	6.7	4.0	0.7	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)