

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: P632360

Luminaire Tested: GWS-SA2C-750-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632360
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-750-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9640.8 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

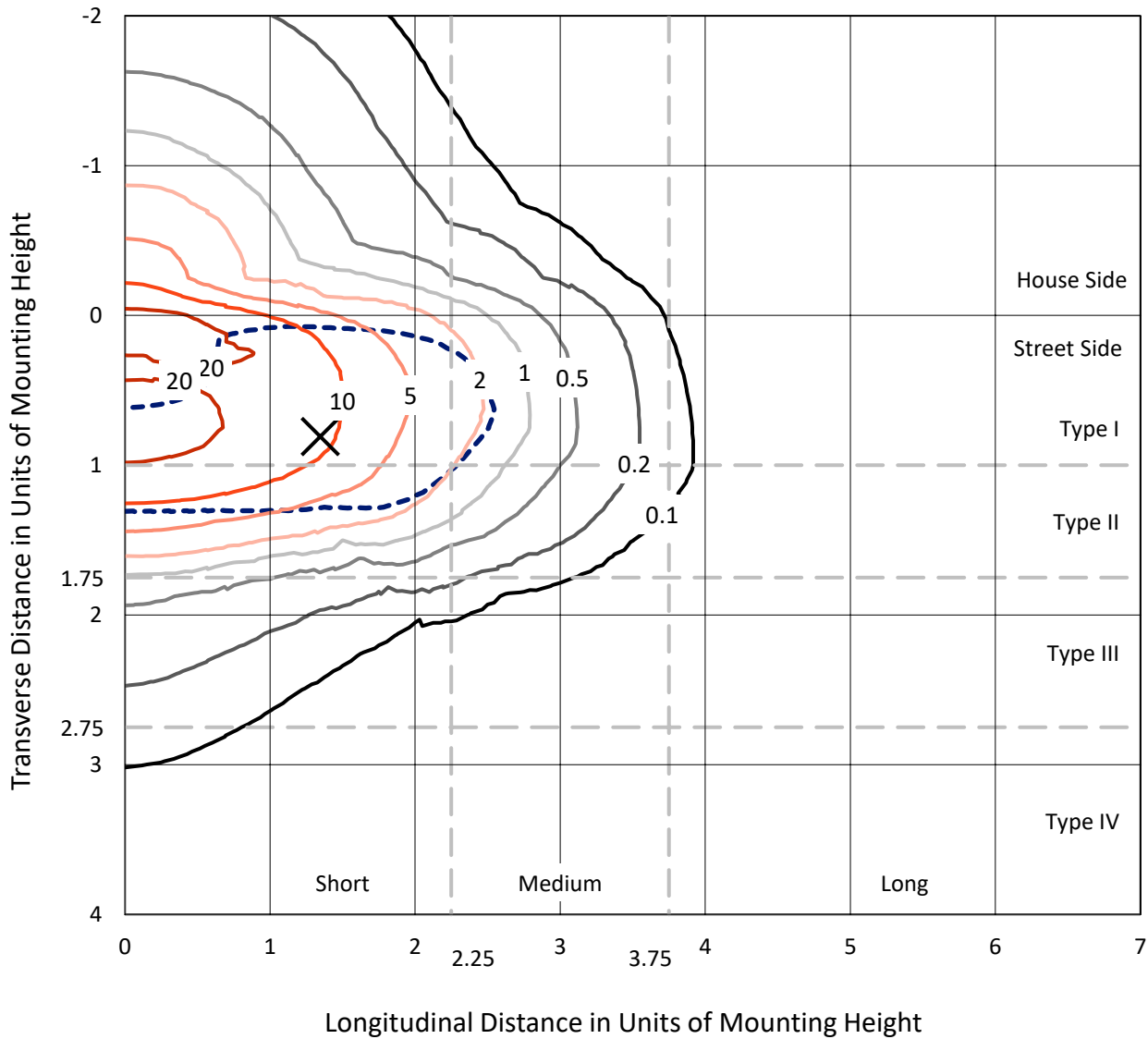
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632360
 CATALOG NUMBER: GWS-SA2C-750-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination

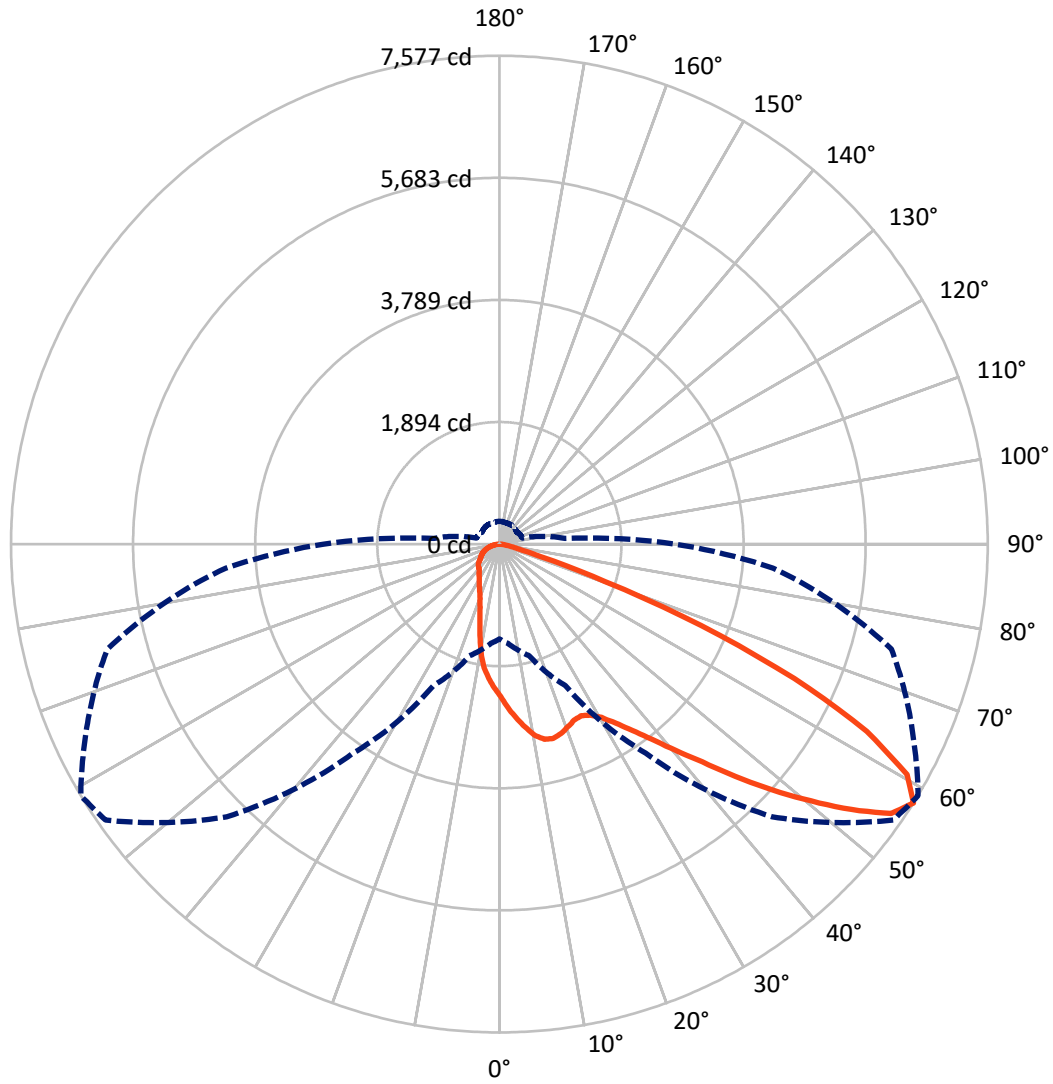
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29 fc
 Type II - Short - N/A

REPORT NUMBER: P632360
CATALOG NUMBER: GWS-SA2C-750-U-AFL-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632360

CATALOG NUMBER: GWS-SA2C-750-U-AFL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1496.2	0.0	1496.2
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	8144.6	0.0	8144.6
	% Fixture	84.5	0.0	84.5
Total	Lumens	9640.8	0.0	9640.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.7	2.3
10°-20°	556.8	5.8
20°-30°	902.6	9.4
30°-40°	1452.0	15.1
40°-50°	2254.8	23.4
50°-60°	2428.8	25.2
60°-70°	1409.6	14.6
70°-80°	368.0	3.8
80°-90°	48.5	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°	9640.8	100.0
0°-180°	9640.8	100.0

Coefficient of Utilization



REPORT NUMBER: P632360

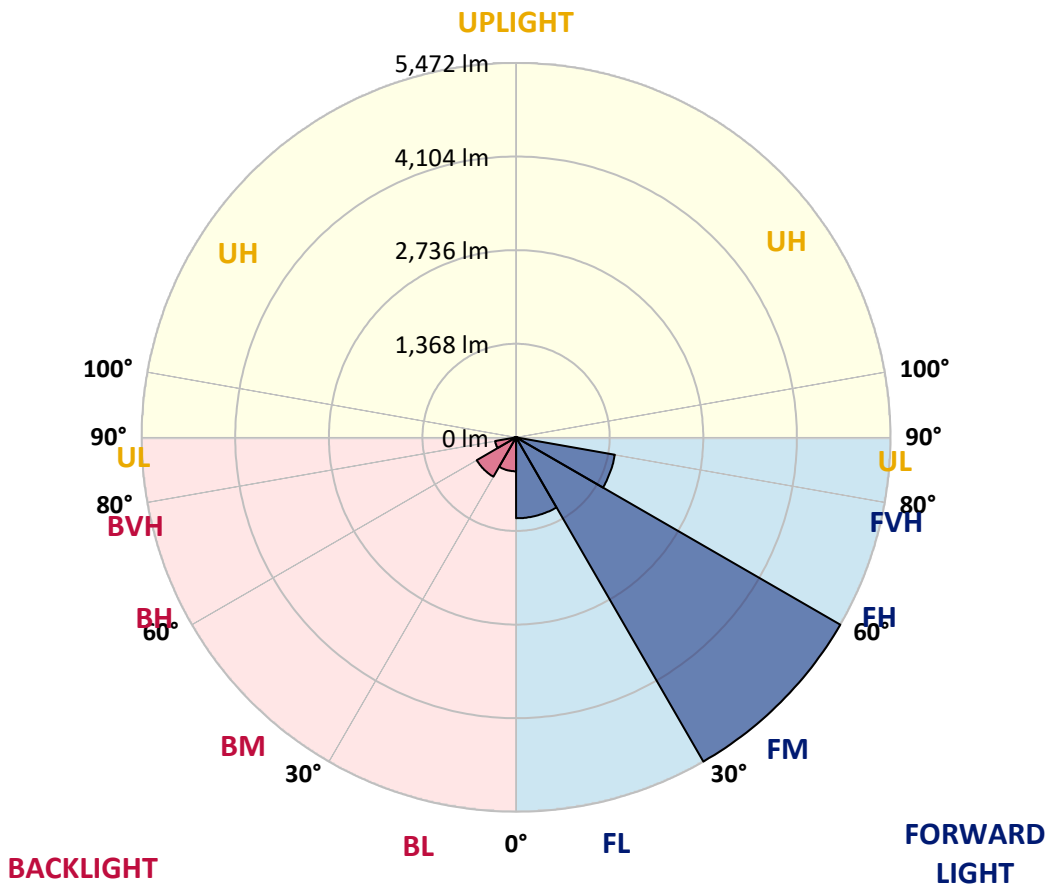
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1182.8	12.3			
FM (30°-60°)	5472.2	56.8			
FH (60°-80°)	1466.3	15.2			G1/1800
FVH (80°-90°)	23.2	0.2			G1/100
BL (0°-30°)	496.4	5.1	B1/500		
BM (30°-60°)	663.4	6.9	B1/1000		
BH (60°-80°)	311.2	3.2	B1/500		G1/500
BVH (80°-90°)	25.3	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





REPORT NUMBER: P632360

CATALOG NUMBER: GWS-SA2C-750-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2366.6	2366.6	2366.6	2366.6	2366.6	2366.6	2366.6	2366.6	2366.6	2366.6	2366.6
2.5°	2684.3	2661.9	2677.5	2649.6	2638.1	2607.6	2568.2	2541.7	2501.0	2448.1	2401.9
5°	2951.0	2935.4	2938.8	2908.9	2882.4	2831.5	2750.8	2706.0	2636.7	2530.2	2431.1
7.5°	2942.8	2961.2	2971.3	2997.1	3004.6	2999.8	2927.2	2864.8	2788.8	2628.6	2479.3
10°	2638.1	2672.7	2703.9	2792.2	2899.4	3035.1	3052.1	3014.8	2938.1	2754.2	2537.0
12.5°	2306.2	2332.7	2360.5	2466.4	2630.6	2902.1	3086.0	3109.1	3078.6	2878.4	2602.1
15°	2143.3	2155.5	2182.0	2251.9	2382.9	2684.3	3027.0	3128.1	3183.1	3010.0	2675.4
17.5°	2136.5	2142.0	2154.9	2192.2	2283.1	2515.9	2920.4	3090.1	3265.2	3149.2	2760.9
20°	2277.0	2262.8	2254.6	2254.0	2298.8	2459.6	2817.3	3029.0	3303.9	3291.7	2852.6
22.5°	2471.8	2476.6	2458.9	2415.5	2410.1	2499.6	2765.7	2967.3	3315.4	3417.9	2937.4
25°	2748.1	2771.8	2719.5	2636.7	2596.0	2615.7	2797.6	2948.3	3314.1	3523.1	2990.3
27.5°	3070.4	3088.8	3035.8	2927.2	2843.1	2795.6	2892.6	3004.6	3325.6	3614.1	3022.2
30°	3437.6	3443.7	3371.1	3257.1	3134.2	3032.4	3050.8	3120.7	3384.7	3733.5	3059.6
32.5°	3886.2	3912.0	3802.1	3621.5	3449.8	3319.5	3263.2	3308.0	3512.3	3874.7	3117.3
35°	4455.7	4464.5	4324.7	4066.1	3823.1	3642.6	3524.5	3548.2	3706.4	4072.2	3204.1
37.5°	4992.5	5001.3	4852.7	4612.4	4264.9	4017.9	3846.9	3836.0	3954.8	4351.1	3346.0
40°	5333.2	5358.3	5291.8	5141.1	4809.3	4476.0	4243.9	4206.6	4280.6	4692.5	3543.5
42.5°	5516.5	5527.3	5526.0	5545.7	5348.1	5016.9	4691.8	4617.2	4666.7	5061.1	3743.0
45°	5517.8	5545.0	5617.6	5806.9	5815.8	5609.4	5257.9	5141.1	5095.7	5432.3	3951.4
47.5°	5270.8	5300.0	5499.5	5872.1	6147.0	6193.8	5935.9	5701.8	5510.4	5752.0	4122.4
50°	4522.9	4596.2	4976.2	5635.2	6212.1	6662.1	6582.7	6265.1	5878.9	5999.0	4229.7
52.5°	3873.3	3870.6	4104.8	4966.0	5940.0	6868.4	7208.5	6844.7	6243.4	6155.8	4256.8
55°	2836.3	2851.9	3091.5	3798.0	5213.8	6668.9	7552.6	7378.1	6661.4	6239.3	4245.9
57.5°	1470.7	1548.1	1793.8	2423.6	3961.6	5982.1	7460.9	7577.0	7086.3	6298.3	4260.2
60°	743.2	728.2	816.5	1157.2	2295.4	4672.2	6896.3	7266.2	7163.0	6344.5	4269.0
62.5°	496.1	492.1	467.6	536.2	938.0	2767.1	5878.9	6397.4	6630.2	6235.9	4156.4
65°	429.6	421.5	376.7	374.0	455.4	1147.7	4309.1	5029.2	5479.8	5753.3	3886.9
67.5°	386.9	374.6	329.2	306.8	327.1	504.3	2428.4	3373.1	4046.4	4865.6	3296.4
70°	345.5	339.3	293.9	261.3	259.3	307.5	894.5	1740.9	2475.9	3319.5	2410.1
72.5°	309.5	298.6	259.9	228.7	213.1	217.9	388.2	670.6	1281.4	2070.7	1441.6
75°	268.1	259.9	226.0	194.8	175.8	159.5	236.9	310.2	584.4	984.1	680.7
77.5°	207.0	201.6	178.5	154.7	143.9	118.8	143.9	195.5	270.1	414.7	354.3
80°	120.1	123.5	133.0	120.8	105.9	84.8	93.7	112.7	162.2	224.6	200.9
82.5°	60.4	64.5	86.2	69.9	63.1	49.5	55.7	66.5	84.8	124.2	78.7
85°	4.8	4.8	15.6	17.6	21.7	17.6	22.4	27.1	38.7	49.5	26.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.4	6.1	11.5	7.5
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: P632360
 CATALOG NUMBER: GWS-SA2C-750-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2366.6	2366.6	2366.6	2366.6	2366.6	2366.6	2366.6	2366.6	2366.6	2366.6	2366.6
2.5°	2370.7	2336.1	2294.7	2260.7	2208.5	2180.7	2145.4	2101.9	2084.3	2076.1	2071.4
5°	2375.4	2314.4	2226.1	2144.7	2054.4	1983.2	1903.8	1820.9	1773.4	1761.9	1753.8
7.5°	2393.1	2307.6	2167.1	2032.7	1865.1	1709.6	1558.3	1408.3	1331.6	1302.4	1299.7
10°	2417.5	2304.9	2107.4	1884.1	1601.1	1355.4	1178.2	1060.8	1011.3	995.0	989.5
12.5°	2448.1	2302.8	2028.6	1677.7	1296.3	1064.2	963.1	944.1	950.9	949.5	949.5
15°	2486.8	2305.5	1933.6	1444.3	1048.6	923.7	925.7	948.1	969.2	972.6	972.6
17.5°	2528.8	2302.8	1795.8	1210.1	900.0	890.5	921.7	952.9	971.9	974.6	974.6
20°	2574.3	2289.9	1622.1	989.5	834.8	869.4	903.3	927.8	939.3	942.0	942.0
22.5°	2601.5	2253.3	1433.4	837.5	793.4	836.2	858.6	883.7	885.0	863.3	862.6
25°	2597.4	2184.7	1218.3	739.8	749.3	786.6	815.1	797.5	775.8	763.5	761.5
27.5°	2571.6	2081.6	999.0	665.8	697.0	739.1	730.3	715.3	709.9	696.3	695.0
30°	2539.0	1954.7	802.2	608.1	642.7	681.4	667.8	666.5	661.1	646.1	646.1
32.5°	2507.8	1823.7	653.6	565.4	608.1	610.8	629.8	631.2	628.5	602.7	600.0
35°	2499.0	1692.7	553.1	531.4	574.2	572.8	600.0	599.3	552.5	516.5	515.8
37.5°	2525.4	1559.7	493.4	503.6	527.3	545.0	566.7	527.3	511.7	490.0	488.7
40°	2581.8	1436.8	462.9	487.3	497.5	523.3	489.3	492.1	488.0	471.7	469.7
42.5°	2656.4	1332.3	445.9	481.9	480.5	487.3	450.0	460.8	466.9	454.7	452.7
45°	2728.4	1241.3	437.1	461.5	468.3	428.9	421.5	431.7	441.2	436.4	434.4
47.5°	2781.3	1162.6	432.3	433.7	452.7	409.3	397.0	401.8	413.3	415.4	414.7
50°	2797.6	1095.4	426.9	410.6	406.5	389.6	380.1	378.7	392.3	401.8	403.1
52.5°	2766.4	1035.7	412.6	390.3	370.6	373.3	369.9	363.1	376.7	389.6	390.9
55°	2720.2	1001.8	390.3	370.6	347.5	358.4	359.7	353.6	362.4	371.2	371.2
57.5°	2723.6	1021.4	368.5	352.2	327.1	341.4	348.9	346.1	346.1	352.9	353.6
60°	2746.0	1049.9	354.3	329.2	306.8	321.7	338.7	336.0	329.8	338.7	338.7
62.5°	2681.5	1011.9	344.8	306.8	285.1	302.7	323.1	321.7	314.9	329.2	330.5
65°	2491.5	910.1	333.9	278.9	263.3	283.7	301.3	306.1	300.0	319.0	322.4
67.5°	2088.4	765.6	312.9	252.5	241.6	260.6	277.6	284.4	279.6	302.0	304.7
70°	1556.9	619.7	279.6	223.3	215.1	232.1	247.7	250.4	251.1	277.6	280.3
72.5°	992.9	481.9	235.5	190.7	184.6	197.5	209.0	219.9	224.6	249.8	249.1
75°	553.8	358.4	189.4	161.5	150.7	160.9	174.4	187.3	200.9	237.5	241.6
77.5°	319.0	251.8	150.0	129.6	116.7	127.6	139.1	157.5	198.2	230.1	226.0
80°	179.9	163.6	113.3	95.0	86.9	95.0	103.8	138.5	156.1	169.7	171.7
82.5°	84.2	91.6	77.4	58.4	58.4	63.8	71.9	107.2	118.1	96.4	84.2
85°	30.5	41.4	38.0	29.9	26.5	25.8	44.8	61.1	38.0	33.9	29.2
87.5°	8.1	11.5	10.9	7.5	4.1	3.4	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)