

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: P630420

Luminaire Tested: GWS-SA1D-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5991.3 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

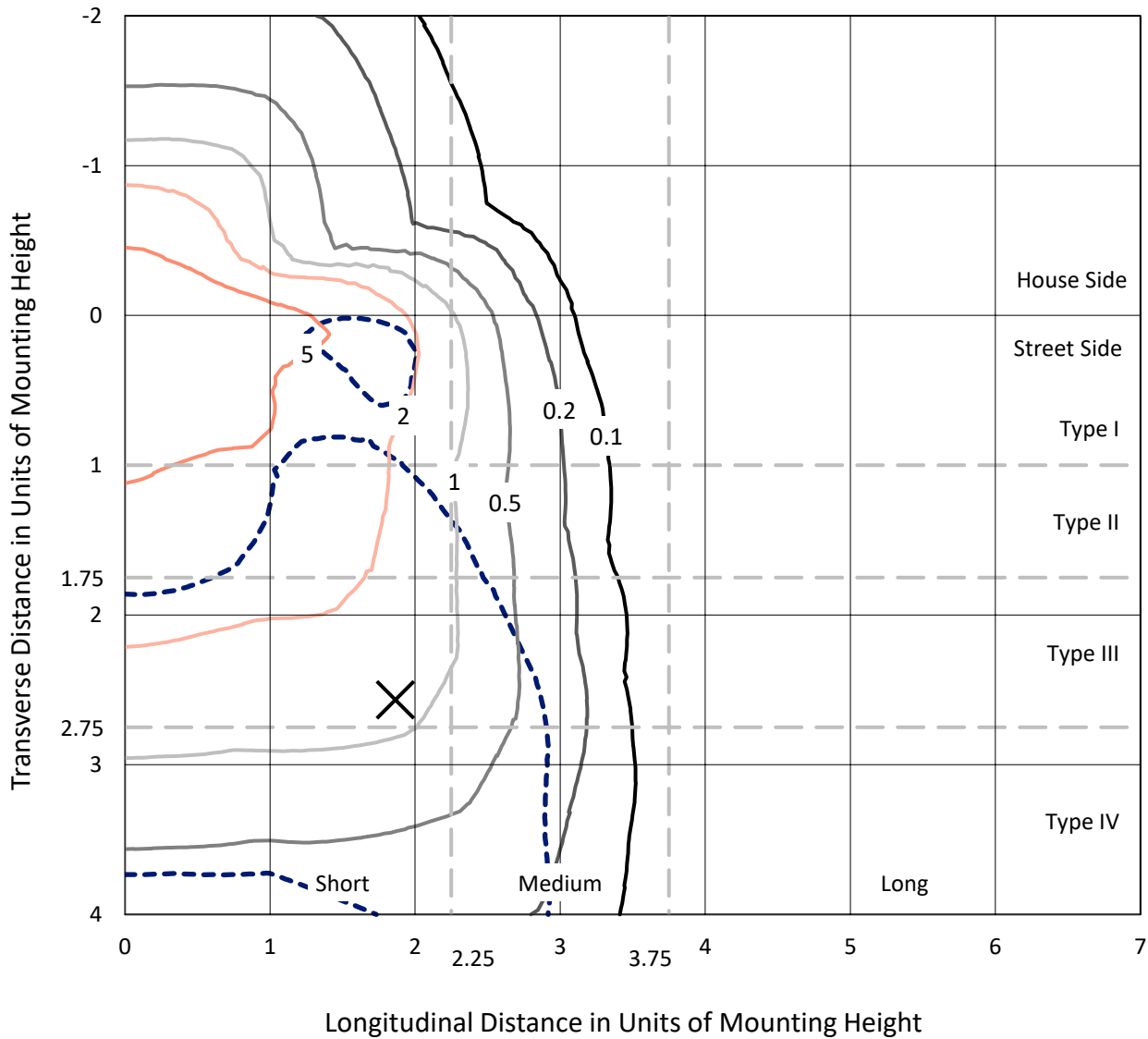
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630420
 CATALOG NUMBER: GWS-SA1D-750-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

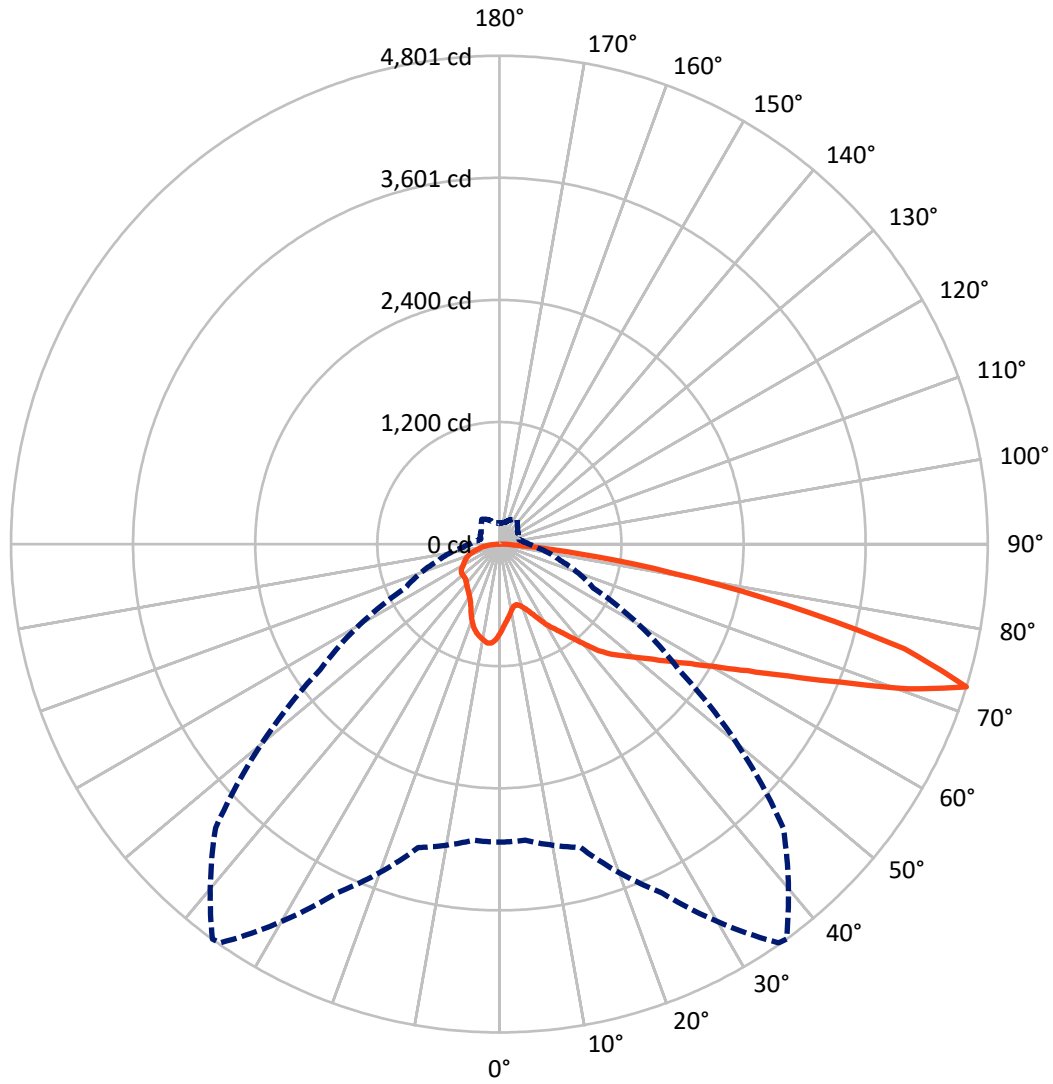
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P630420
CATALOG NUMBER: GWS-SA1D-750-U-T4FT-W

Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P630420

CATALOG NUMBER: GWS-SA1D-750-U-T4FT-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1381.2	0.0	1381.2
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	4610.0	0.0	4610.0
	% Fixture	76.9	0.0	76.9
Total	Lumens	5991.3	0.0	5991.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	1.4
10°-20°	231.2	3.9
20°-30°	383.0	6.4
30°-40°	573.5	9.6
40°-50°	836.7	14.0
50°-60°	1190.9	19.9
60°-70°	1504.7	25.1
70°-80°	1072.2	17.9
80°-90°	117.0	2.0
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°	5991.3	100.0
0°-180°	5991.3	100.0

Coefficient of Utilization



REPORT NUMBER: P630420

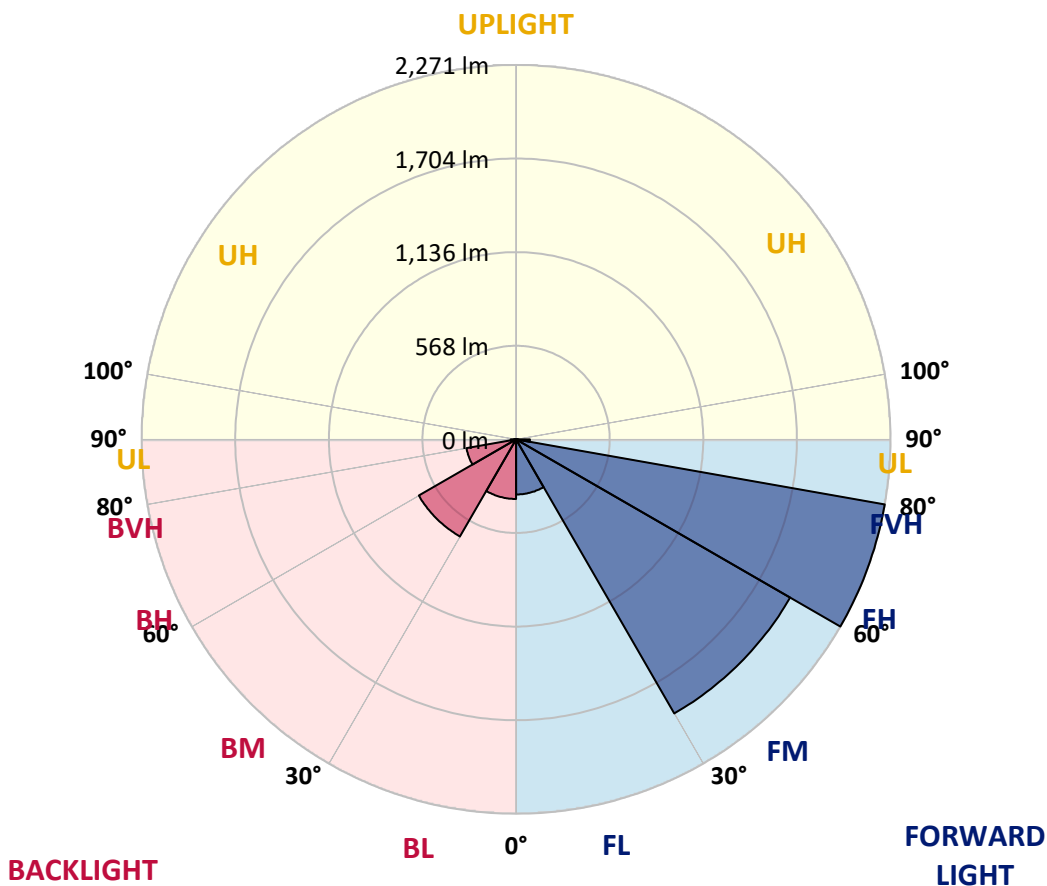
CATALOG NUMBER: GWS-SA1D-750-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.5	5.6			
FM (30°-60°)	1920.1	32.0			
FH (60°-80°)	2271.5	37.9			G2/5000
FVH (80°-90°)	84.0	1.4			G1/100
BL (0°-30°)	361.7	6.0	B1/500		
BM (30°-60°)	681.2	11.4	B1/1000		
BH (60°-80°)	305.4	5.1	B1/500		G1/500
BVH (80°-90°)	33.0	0.6			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 IV Short





REPORT NUMBER: P630420
 CATALOG NUMBER: GWS-SA1D-750-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9
2.5°	799.9	798.6	795.9	803.9	811.9	811.0	822.2	832.8	844.4	856.4	872.4
5°	735.9	735.0	732.8	744.8	756.8	756.4	774.6	791.9	815.5	841.3	873.3
7.5°	671.9	669.6	672.8	687.9	704.8	706.6	731.5	759.9	794.1	832.8	878.2
10°	615.4	615.0	616.3	633.2	658.5	660.3	692.3	731.9	777.3	828.8	889.3
12.5°	600.7	599.8	596.3	604.7	623.8	626.5	661.6	710.1	765.7	831.1	904.4
15°	624.7	622.5	610.1	606.1	615.4	617.6	647.4	697.2	759.0	835.1	923.5
17.5°	666.1	664.8	641.2	624.7	631.0	632.7	655.0	695.0	757.2	843.1	947.1
20°	726.6	720.8	683.9	659.0	659.0	661.6	675.0	704.8	759.5	852.8	973.8
22.5°	806.6	795.0	743.0	709.2	700.3	703.9	709.7	729.2	768.8	869.3	1007.1
25°	896.4	885.7	823.9	776.4	763.9	765.2	760.4	763.9	789.3	892.0	1048.5
27.5°	992.0	984.9	919.1	858.6	839.1	839.1	821.7	813.3	817.7	917.8	1094.7
30°	1077.4	1067.6	1012.0	945.8	920.0	920.0	887.1	868.8	858.2	949.3	1156.5
32.5°	1122.3	1116.5	1079.6	1028.9	997.4	992.5	964.0	942.7	917.8	996.0	1240.1
35°	1181.0	1179.7	1157.4	1117.9	1077.8	1070.7	1051.2	1034.3	991.1	1054.3	1351.3
37.5°	1254.8	1252.6	1249.0	1225.5	1177.4	1176.1	1158.8	1138.3	1082.3	1138.3	1486.0
40°	1337.5	1333.5	1329.1	1328.6	1299.7	1294.8	1293.5	1270.4	1192.1	1239.7	1626.5
42.5°	1451.3	1437.6	1395.8	1414.4	1435.8	1431.3	1448.2	1413.5	1329.1	1360.2	1759.5
45°	1591.4	1557.6	1474.9	1480.2	1534.0	1542.9	1601.6	1593.2	1479.8	1499.4	1899.6
47.5°	1675.4	1646.1	1569.2	1564.7	1631.9	1643.0	1770.6	1786.6	1642.1	1667.0	2072.5
50°	1744.4	1723.9	1660.8	1667.0	1738.1	1749.3	1938.2	1972.5	1795.1	1838.6	2273.5
52.5°	1827.5	1798.2	1749.3	1778.6	1865.8	1879.1	2124.5	2161.5	1932.9	2027.2	2481.6
55°	1874.2	1862.2	1863.1	1908.0	2017.4	2035.6	2319.7	2313.5	2059.2	2188.6	2638.1
57.5°	1981.8	1977.4	2018.3	2035.2	2194.4	2217.9	2515.0	2461.6	2173.9	2313.5	2713.3
60°	2171.7	2160.6	2196.1	2221.9	2413.1	2446.5	2732.8	2606.5	2251.7	2406.5	2687.9
62.5°	2438.5	2424.7	2426.0	2466.9	2706.2	2741.3	2975.2	2727.5	2275.7	2420.7	2527.4
65°	2770.2	2750.2	2727.5	2783.1	3095.2	3124.6	3238.8	2815.5	2218.4	2283.7	2192.1
67.5°	3120.1	3103.7	3077.0	3193.5	3599.0	3616.8	3534.5	2808.0	2036.5	1917.3	1537.6
70°	3140.6	3144.6	3270.9	3692.4	4256.7	4261.1	3814.2	2655.9	1649.2	1242.8	766.1
72.5°	2929.8	2923.1	3087.7	3783.5	4785.8	4800.9	3946.3	2151.7	1019.1	619.8	359.3
75°	2379.8	2391.3	2564.3	3310.4	4101.9	4115.3	3217.1	1268.6	484.2	303.3	229.9
77.5°	1024.5	1089.0	1430.0	2332.2	2937.8	2896.5	1658.1	514.0	258.3	216.1	176.1
80°	295.7	321.0	509.6	1109.0	1760.4	1729.3	656.3	192.5	180.1	162.3	126.3
82.5°	95.6	105.8	186.8	441.5	788.8	787.9	249.0	113.8	117.8	110.3	81.4
85°	26.7	30.7	57.4	133.8	244.1	239.2	72.0	53.8	62.7	63.6	40.5
87.5°	0.0	0.0	0.4	0.9	0.9	0.9	1.8	8.0	18.2	23.1	16.5
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: P630420
 CATALOG NUMBER: GWS-SA1D-750-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9
2.5°	882.2	880.9	899.1	913.3	926.7	935.5	938.2	940.0	943.6	945.3	943.6
5°	888.4	895.1	925.3	947.6	965.3	976.0	976.5	975.6	978.2	976.0	974.7
7.5°	901.8	914.6	952.9	976.5	988.0	988.5	977.8	965.3	959.1	953.8	952.0
10°	919.5	938.7	980.5	996.0	992.5	976.0	952.4	932.9	921.8	913.8	912.0
12.5°	944.0	965.3	1004.9	1004.5	982.2	952.9	925.3	901.8	885.7	876.4	873.3
15°	967.1	994.2	1022.7	1001.8	966.7	931.1	895.5	864.0	842.6	827.9	825.3
17.5°	995.6	1024.5	1035.6	993.4	947.1	901.3	853.7	812.4	783.5	766.1	764.8
20°	1028.5	1054.3	1041.8	978.7	921.8	861.7	797.3	751.0	719.9	703.0	704.3
22.5°	1066.7	1085.4	1043.6	958.7	886.6	805.7	733.7	689.2	668.3	659.4	659.9
25°	1107.6	1119.6	1040.5	931.5	832.8	737.2	668.3	647.9	646.1	643.9	644.7
27.5°	1156.1	1153.4	1031.1	893.3	760.4	657.6	622.5	627.8	635.0	634.1	635.0
30°	1221.0	1195.7	1019.1	840.4	674.1	590.9	595.4	610.5	619.8	620.7	623.4
32.5°	1295.3	1242.4	1000.0	768.4	591.8	553.6	570.0	588.3	599.4	601.6	605.2
35°	1383.8	1295.7	966.2	678.5	532.7	531.4	546.5	558.9	570.9	571.8	571.8
37.5°	1485.6	1349.1	912.4	579.4	496.2	512.2	526.5	529.1	532.2	529.6	530.9
40°	1579.0	1400.7	835.9	489.1	466.4	495.3	507.3	498.5	488.7	482.0	483.3
42.5°	1657.2	1435.8	734.6	426.0	436.2	480.2	489.6	471.3	452.2	439.8	441.5
45°	1745.3	1468.2	615.4	383.3	410.4	469.6	475.8	452.2	427.8	409.1	406.4
47.5°	1866.6	1534.5	509.6	353.5	392.2	463.8	474.0	442.0	410.0	382.0	378.8
50°	2016.5	1628.3	421.1	333.9	383.7	460.7	473.6	430.9	392.6	359.7	357.5
52.5°	2180.1	1719.9	355.7	318.8	375.3	451.3	471.3	418.4	374.4	338.8	336.2
55°	2289.1	1755.9	311.7	304.6	361.5	436.6	462.4	406.4	346.8	314.4	310.4
57.5°	2321.1	1709.7	281.0	291.7	343.7	416.2	445.5	381.1	329.9	304.1	301.0
60°	2265.9	1593.2	261.9	281.0	324.2	390.0	416.2	366.4	316.6	293.5	291.2
62.5°	2110.3	1413.5	247.2	269.9	304.1	362.4	397.5	348.6	301.9	283.7	280.6
65°	1797.3	1159.2	235.2	258.3	285.0	336.2	377.1	330.8	285.9	272.1	268.6
67.5°	1257.0	814.2	222.3	244.6	265.9	310.8	355.7	314.4	269.5	259.2	255.7
70°	614.5	431.8	206.8	228.6	245.4	285.0	334.4	294.4	247.7	241.9	237.0
72.5°	292.6	241.4	188.5	206.8	217.4	250.8	298.8	265.5	221.9	209.4	201.0
75°	196.1	171.6	164.5	181.0	183.6	210.3	256.1	229.0	195.6	181.4	174.3
77.5°	148.5	131.2	138.3	153.0	147.6	173.0	210.8	204.1	176.5	163.6	160.1
80°	104.5	95.6	109.8	118.7	114.7	147.2	189.9	174.7	145.4	131.2	128.5
82.5°	65.8	64.0	80.9	82.3	83.6	116.5	156.1	137.4	112.9	92.9	86.3
85°	32.9	36.5	48.5	48.5	48.0	60.0	88.9	77.4	60.9	48.5	47.1
87.5°	11.1	15.6	20.9	16.9	12.9	10.2	11.6	14.2	15.1	14.7	14.7
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)