

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: P630407

Luminaire Tested: GWS-SA1D-750-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4158 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

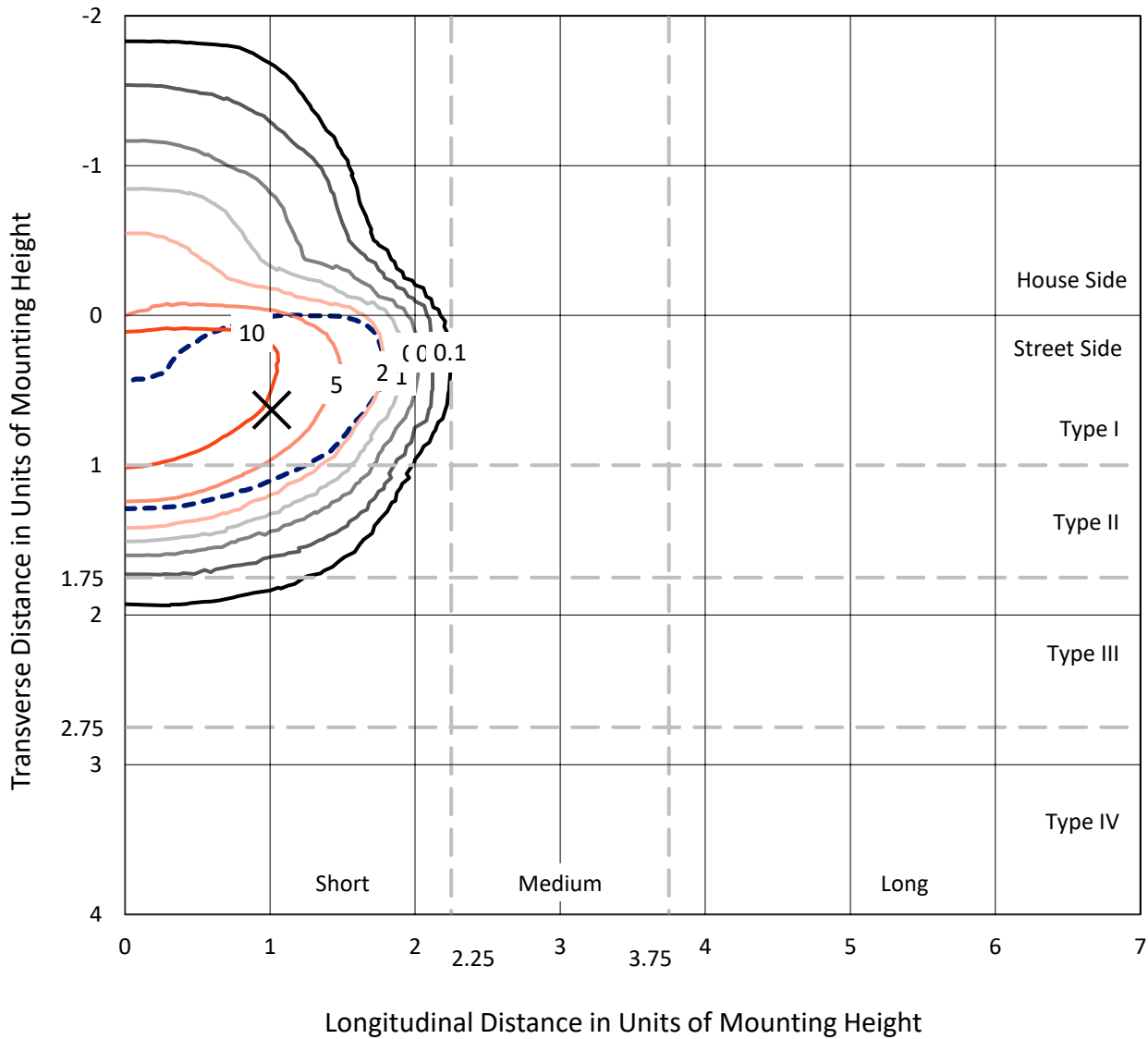
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630407
 CATALOG NUMBER: GWS-SA1D-750-U-T2R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

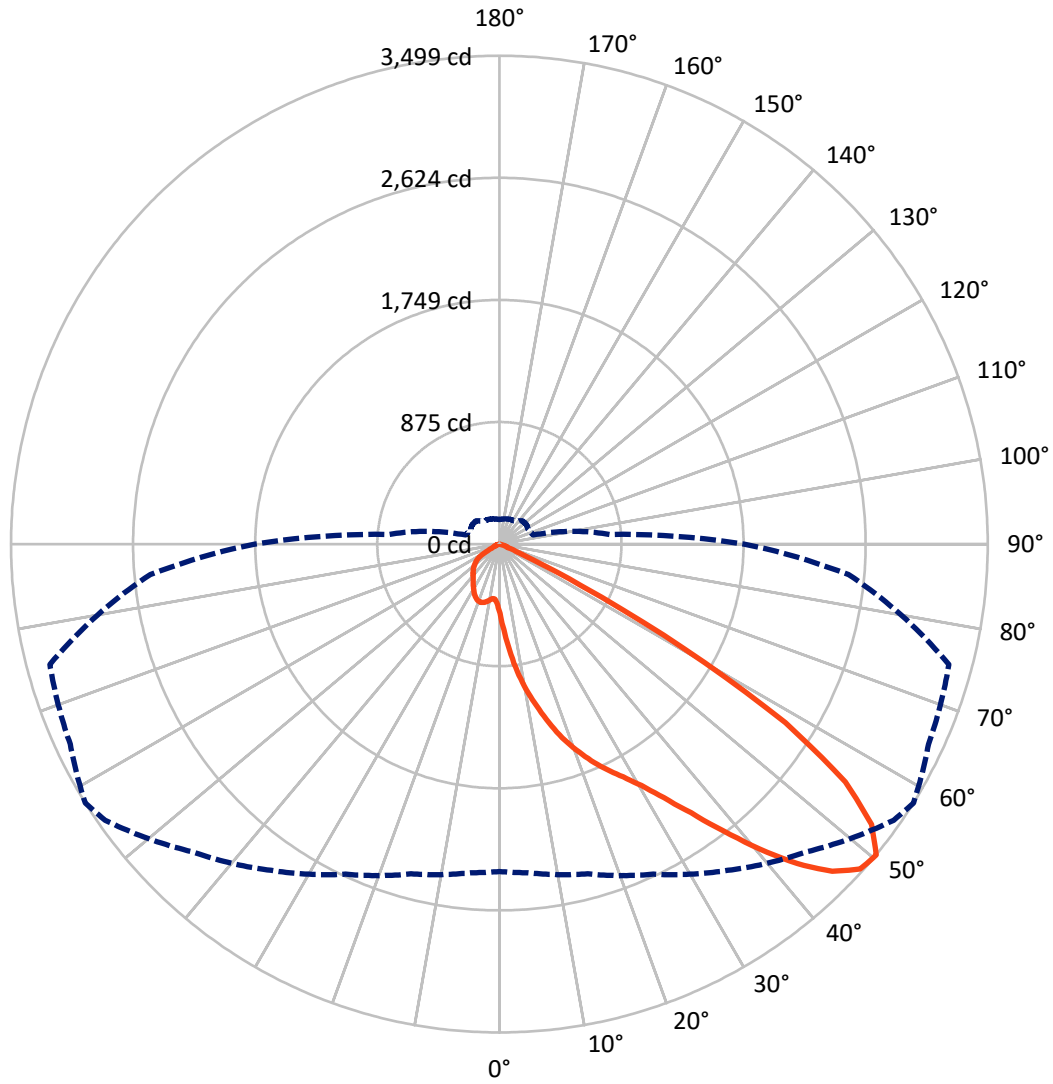
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 fc
 Type II - Short - N/A

REPORT NUMBER: P630407
CATALOG NUMBER: GWS-SA1D-750-U-T2R-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P630407
 CATALOG NUMBER: GWS-SA1D-750-U-T2R-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	582.4	0.0	582.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	3575.6	0.0	3575.6
	% Fixture	86.0	0.0	86.0
Total	Lumens	4158.0	0.0	4158.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	1.5
10°-20°	243.6	5.9
20°-30°	492.9	11.9
30°-40°	872.0	21.0
40°-50°	1271.1	30.6
50°-60°	1018.9	24.5
60°-70°	183.6	4.4
70°-80°	14.5	0.3
80°-90°	0.0	0.0
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°	4158.0	100.0
0°-180°	4158.0	100.0

Coefficient of Utilization



REPORT NUMBER: P630407

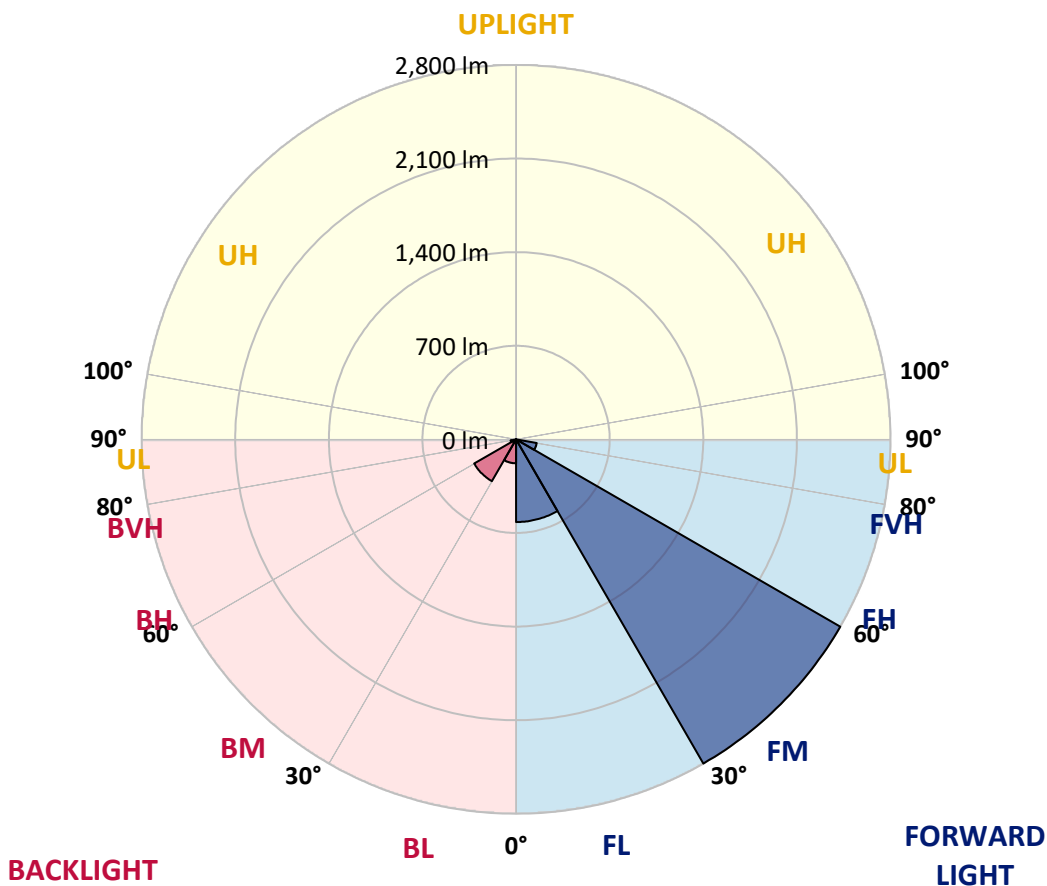
CATALOG NUMBER: GWS-SA1D-750-U-T2R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	618.7	14.9			
FM (30°-60°)	2800.3	67.3			
FH (60°-80°)	156.6	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	179.3	4.3	B1/500		
BM (30°-60°)	361.7	8.7	B1/1000		
BH (60°-80°)	41.4	1.0	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type II Short





REPORT NUMBER: P630407

CATALOG NUMBER: GWS-SA1D-750-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7
2.5°	735.0	723.4	716.8	711.4	687.9	650.5	626.1	613.2	591.8	555.8	524.7
5°	959.1	950.6	935.1	924.4	894.2	841.3	786.6	764.8	716.3	634.9	562.0
7.5°	1107.6	1101.4	1095.6	1081.4	1052.9	1004.9	944.4	921.7	847.0	731.4	611.8
10°	1221.9	1217.0	1210.3	1209.9	1187.6	1144.5	1085.4	1061.8	980.9	836.4	670.5
12.5°	1322.4	1318.4	1317.0	1329.5	1315.3	1283.2	1219.2	1189.9	1104.0	943.5	735.4
15°	1391.3	1390.4	1396.2	1420.6	1428.6	1414.0	1360.2	1328.6	1229.9	1051.1	807.0
17.5°	1422.9	1425.5	1436.6	1478.9	1514.5	1526.9	1485.6	1458.9	1354.8	1160.1	883.5
20°	1476.7	1475.8	1482.4	1522.5	1566.0	1610.5	1598.0	1575.4	1481.1	1275.2	968.4
22.5°	1628.3	1615.4	1601.2	1607.4	1622.9	1675.0	1698.1	1686.5	1611.4	1393.5	1056.0
25°	1861.3	1847.9	1802.1	1757.7	1728.3	1751.9	1783.5	1789.2	1740.8	1514.9	1147.6
27.5°	2108.5	2096.5	2044.9	1978.2	1894.2	1853.3	1876.8	1888.4	1867.9	1659.4	1245.0
30°	2340.2	2324.1	2267.7	2185.0	2087.6	2024.9	1998.2	2006.2	2018.2	1830.6	1359.3
32.5°	2541.1	2529.1	2461.5	2374.4	2280.6	2215.2	2153.0	2166.3	2195.6	2040.0	1505.6
35°	2711.4	2705.2	2633.6	2546.9	2447.8	2414.4	2361.1	2363.7	2393.1	2293.0	1683.9
37.5°	2859.5	2848.8	2783.9	2703.4	2624.7	2619.4	2604.7	2606.1	2621.2	2587.8	1888.8
40°	2952.9	2943.1	2896.8	2847.0	2791.0	2791.9	2867.9	2873.7	2856.4	2877.3	2105.4
42.5°	2988.0	2980.9	2956.0	2956.4	2950.6	2976.9	3119.6	3130.3	3068.0	3104.5	2290.4
45°	2927.1	2924.0	2925.7	2989.8	3059.1	3140.1	3325.5	3344.2	3256.1	3255.2	2434.9
47.5°	2730.6	2724.3	2776.3	2885.3	3045.8	3203.2	3450.0	3478.9	3387.7	3341.5	2525.6
50°	2345.5	2363.3	2445.5	2609.2	2853.3	3116.5	3448.6	3498.9	3392.6	3333.9	2510.5
52.5°	1699.0	1695.4	1875.5	2100.5	2397.5	2839.0	3265.5	3338.8	3273.9	3259.7	2476.7
55°	924.4	956.9	1078.3	1376.2	1747.0	2313.9	2847.0	3007.1	3082.3	3232.6	2537.6
57.5°	339.7	353.9	430.0	640.7	924.9	1438.9	2174.7	2416.2	2648.3	3157.0	2527.3
60°	136.9	139.6	169.9	235.7	388.6	732.3	1304.6	1518.9	1737.7	2416.6	1939.5
62.5°	99.6	103.2	115.2	137.8	196.5	320.1	562.5	654.1	715.0	1197.0	955.5
65°	80.5	83.1	92.9	103.2	129.8	172.1	181.4	174.7	173.9	309.5	219.2
67.5°	66.7	69.4	76.5	83.6	93.4	85.8	62.2	65.4	53.4	52.9	43.1
70°	48.9	52.0	59.1	66.7	56.0	23.1	36.0	53.4	40.5	33.8	32.9
72.5°	36.9	39.1	45.8	43.6	16.5	8.9	24.0	38.7	31.1	24.9	24.5
75°	27.6	28.9	23.1	7.1	1.8	2.2	8.9	16.0	17.3	14.2	14.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.3	1.8	2.2	2.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P630407
 CATALOG NUMBER: GWS-SA1D-750-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7
2.5°	506.9	488.2	461.5	439.3	422.4	406.0	393.5	381.1	380.6	374.4	373.1
5°	528.2	494.4	445.5	410.4	389.1	376.2	367.3	362.8	360.6	358.4	357.5
7.5°	558.9	510.4	442.9	405.5	387.7	379.3	373.1	370.4	369.1	367.3	366.8
10°	596.7	533.6	452.6	414.9	399.3	391.3	384.6	380.6	378.4	375.3	374.4
12.5°	642.1	562.0	468.2	430.4	414.0	403.3	394.4	388.6	385.5	381.5	380.6
15°	691.0	592.7	485.5	444.6	425.1	411.3	400.2	391.3	385.5	380.6	379.3
17.5°	741.7	623.8	501.1	454.4	430.4	414.0	398.0	385.9	378.8	372.6	370.8
20°	798.6	655.8	511.3	456.2	428.6	406.8	388.2	373.1	365.9	357.5	355.7
22.5°	858.2	685.6	515.8	452.2	418.9	393.5	373.5	357.9	347.7	338.8	336.1
25°	916.0	712.3	513.6	441.1	404.2	374.8	354.4	338.4	327.3	318.4	316.1
27.5°	977.3	734.5	505.6	424.6	384.2	354.4	334.8	321.0	310.8	301.0	298.8
30°	1046.2	755.0	492.7	404.6	360.6	333.5	318.4	309.0	297.9	287.7	284.6
32.5°	1129.4	773.2	474.0	380.6	339.7	315.3	306.8	299.7	286.8	276.1	273.9
35°	1224.5	788.4	450.4	355.7	319.3	303.7	301.9	292.6	275.7	263.2	260.6
37.5°	1334.8	803.0	422.4	331.3	304.1	298.4	298.8	282.8	262.3	247.2	245.4
40°	1453.5	817.7	391.3	309.9	290.4	295.2	291.2	268.6	235.2	220.5	218.8
42.5°	1577.1	833.7	359.7	289.9	278.8	283.2	277.5	240.1	216.1	208.5	207.6
45°	1688.8	852.8	325.5	269.9	267.2	265.9	256.1	217.4	207.2	201.9	201.4
47.5°	1769.2	849.7	289.0	250.8	254.8	250.3	220.5	206.8	198.3	191.2	189.4
50°	1754.6	795.5	251.2	229.4	238.8	234.8	198.3	194.3	186.7	179.2	176.5
52.5°	1717.2	721.7	218.3	206.8	221.4	212.1	183.2	179.2	172.5	162.7	159.6
55°	1737.2	652.3	192.5	188.5	203.6	175.6	166.3	160.1	153.0	142.3	141.0
57.5°	1672.7	532.2	154.7	157.4	180.1	149.8	145.8	136.1	124.1	116.9	116.1
60°	1157.8	285.9	96.9	100.0	130.3	125.8	130.7	121.8	107.2	100.5	99.2
62.5°	531.8	114.7	52.9	50.7	68.5	85.4	112.0	111.2	92.9	82.3	81.4
65°	128.9	52.5	37.8	35.6	38.7	51.1	72.9	87.6	75.1	62.7	61.4
67.5°	41.8	42.7	34.7	32.5	34.2	38.2	43.6	48.5	48.0	44.0	43.1
70°	33.3	38.7	32.0	29.3	29.3	30.7	29.3	23.6	20.5	22.2	23.1
72.5°	24.9	29.3	25.3	22.7	21.8	21.3	18.2	13.3	9.3	8.4	8.0
75°	14.7	16.5	15.6	13.3	12.4	11.1	8.9	5.8	3.1	2.2	1.3
77.5°	2.7	3.1	3.6	2.7	2.2	1.8	1.3	0.4	0.0	0.0	0.0
80°	0.0	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)