

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: P629923

Luminaire Tested: GWS-SA1C-750-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4998.3 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 34.1
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

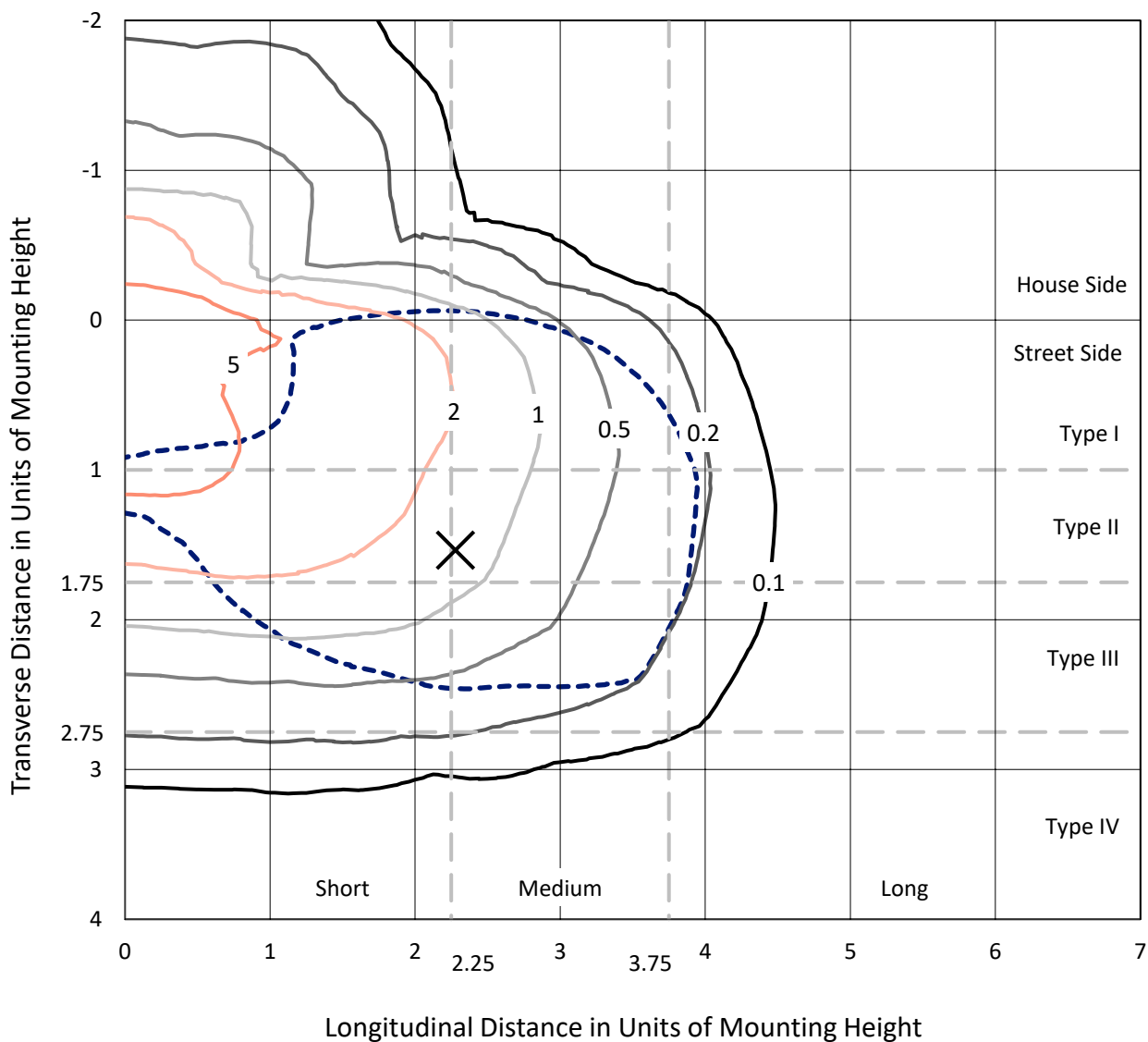


REPORT NUMBER: P629923

CATALOG NUMBER: GWS-SA1C-750-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

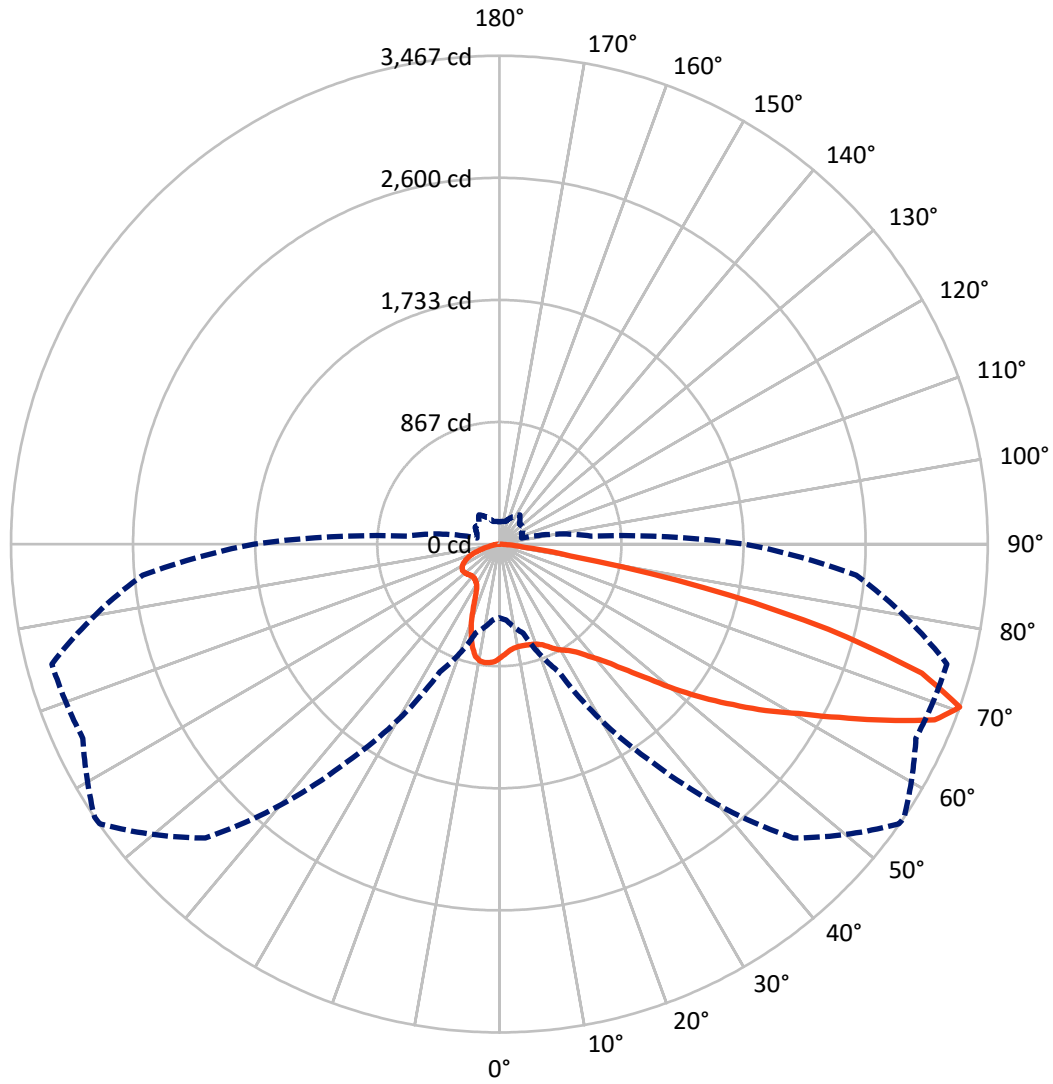
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P629923
CATALOG NUMBER: GWS-SA1C-750-U-T3R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P629923

CATALOG NUMBER: GWS-SA1C-750-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	960.9	0.0	960.9
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	4037.4	0.0	4037.4
	% Fixture	80.8	0.0	80.8
Total	Lumens	4998.3	0.0	4998.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	1.5
10°-20°	202.3	4.0
20°-30°	334.4	6.7
30°-40°	500.0	10.0
40°-50°	744.1	14.9
50°-60°	1057.9	21.2
60°-70°	1310.3	26.2
70°-80°	723.5	14.5
80°-90°	51.0	1.0
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°	4998.3	100.0
0°-180°	4998.3	100.0

Coefficient of Utilization



REPORT NUMBER: P629923

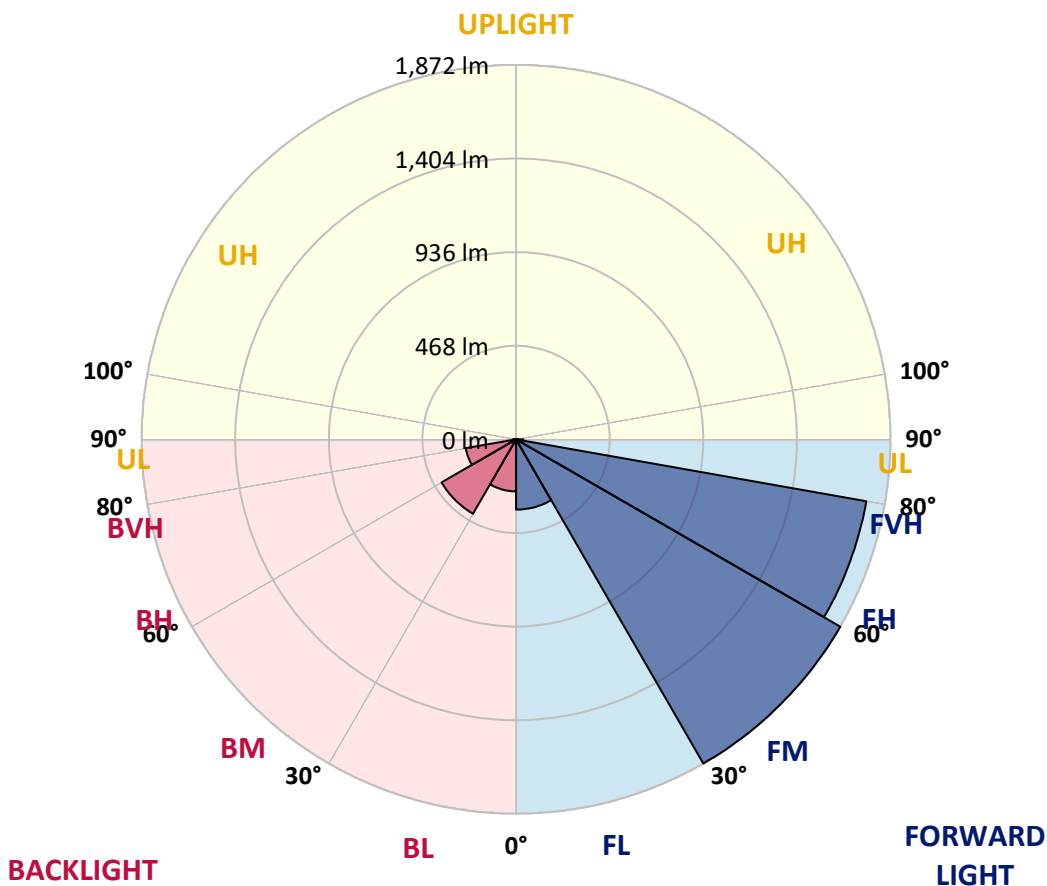
CATALOG NUMBER: GWS-SA1C-750-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	351.3	7.0			
FM (30°-60°)	1872.3	37.5			
FH (60°-80°)	1778.4	35.6			G1/1800
FVH (80°-90°)	35.4	0.7			G1/100
BL (0°-30°)	260.1	5.2	B1/500		
BM (30°-60°)	429.8	8.6	B1/1000		
BH (60°-80°)	255.4	5.1	B1/500		G1/500
BVH (80°-90°)	15.5	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 III Medium





REPORT NUMBER: P629923

CATALOG NUMBER: GWS-SA1C-750-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8
2.5°	755.0	750.8	755.7	758.2	764.5	773.7	781.8	782.1	786.4	796.6	806.5
5°	720.8	718.7	720.1	727.5	734.2	745.8	758.2	759.2	771.2	791.3	811.0
7.5°	694.4	691.5	696.8	706.3	714.8	727.8	744.1	745.5	762.4	792.7	823.0
10°	656.3	654.2	664.1	676.7	695.1	716.6	738.1	739.8	762.0	801.9	844.2
12.5°	639.7	639.7	644.0	655.9	676.0	704.6	737.0	739.8	767.7	816.0	871.3
15°	665.5	667.2	663.7	663.0	671.1	698.2	738.4	742.7	778.3	830.4	898.1
17.5°	717.3	719.0	709.9	695.4	687.3	704.2	743.7	748.3	789.5	846.3	927.0
20°	789.9	792.0	771.9	749.7	721.9	721.5	753.9	758.2	804.0	863.6	957.7
22.5°	874.8	876.2	850.9	815.6	773.0	753.6	771.6	775.8	822.7	887.5	990.8
25°	973.2	977.4	946.7	895.6	837.8	797.6	800.8	805.7	856.1	919.6	1029.9
27.5°	1078.2	1083.5	1048.2	991.8	912.2	846.3	838.5	842.8	891.7	939.3	1050.7
30°	1185.7	1189.6	1154.3	1089.8	992.2	901.3	870.2	872.7	907.3	948.8	1071.9
32.5°	1305.2	1302.0	1268.2	1193.8	1084.5	967.2	899.9	899.1	924.5	967.9	1102.2
35°	1417.3	1421.9	1385.9	1303.8	1186.1	1048.6	944.3	941.4	961.2	998.9	1144.8
37.5°	1553.0	1551.6	1508.6	1419.7	1287.9	1126.5	1006.7	1001.7	1008.8	1047.2	1204.4
40°	1649.9	1659.8	1631.9	1549.1	1407.1	1222.4	1079.6	1068.7	1070.4	1106.8	1284.0
42.5°	1729.2	1738.4	1741.2	1688.3	1543.5	1340.8	1170.6	1159.6	1160.7	1212.1	1382.0
45°	1790.2	1802.5	1842.4	1826.8	1697.1	1477.6	1293.6	1282.3	1283.0	1340.1	1500.5
47.5°	1815.2	1828.6	1909.3	1946.3	1860.3	1641.1	1446.5	1430.0	1432.4	1495.5	1635.8
50°	1807.1	1825.1	1934.4	2038.3	1997.1	1807.5	1629.5	1617.8	1608.3	1700.0	1782.8
52.5°	1737.3	1757.1	1931.9	2096.8	2108.8	1964.7	1818.4	1811.7	1809.6	1917.1	1947.0
55°	1531.8	1565.0	1846.9	2112.3	2196.2	2112.7	2023.2	2011.9	2022.8	2149.7	2113.1
57.5°	1418.0	1442.7	1680.6	2095.1	2267.8	2253.7	2227.6	2228.7	2241.0	2402.4	2314.3
60°	1353.1	1382.0	1588.2	2047.8	2336.5	2425.0	2441.6	2441.6	2463.8	2674.9	2518.7
62.5°	1267.1	1296.4	1501.9	1956.9	2400.0	2626.6	2710.5	2709.4	2718.2	2967.1	2718.6
65°	1092.7	1119.8	1328.5	1813.5	2431.0	2848.7	3016.1	3012.9	2995.3	3227.2	2850.8
67.5°	793.4	819.1	1017.6	1540.6	2319.2	3027.7	3330.8	3332.2	3226.9	3391.1	2857.8
70°	523.1	540.7	654.2	1000.7	1886.1	2950.5	3462.7	3466.9	3262.5	3288.9	2543.4
72.5°	326.4	338.7	408.5	596.7	1114.5	2335.5	3124.3	3135.9	2935.0	2890.2	2089.8
75°	216.8	225.2	271.8	347.9	515.7	1264.0	2374.9	2412.3	2352.4	2265.7	1456.1
77.5°	130.4	137.5	173.1	221.0	228.4	493.8	1386.3	1482.8	1491.3	1182.9	609.8
80°	59.6	67.7	95.5	126.2	121.6	172.0	488.9	511.4	603.4	375.7	192.4
82.5°	35.2	38.8	63.4	62.7	51.8	83.5	175.9	180.5	153.3	137.5	82.1
85°	14.1	16.6	26.8	23.6	19.0	27.1	66.3	69.4	66.6	59.9	30.3
87.5°	0.0	0.0	0.0	0.0	0.4	0.7	6.0	6.3	9.2	16.6	9.2
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: P629923
 CATALOG NUMBER: GWS-SA1C-750-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8
2.5°	812.8	810.7	821.3	829.4	832.9	836.4	833.2	832.2	832.2	825.1	821.6
5°	821.6	822.7	837.1	843.8	843.8	841.0	832.5	826.5	824.4	815.3	812.8
7.5°	838.2	842.8	856.1	855.8	845.9	830.4	809.3	793.1	778.3	771.9	768.0
10°	865.3	871.3	880.5	865.7	838.2	797.3	752.5	717.3	696.1	679.2	679.2
12.5°	896.3	902.0	900.2	866.0	809.3	732.8	668.3	627.7	598.1	582.6	582.6
15°	927.3	931.9	912.9	849.8	749.0	647.1	576.6	528.0	502.3	487.8	487.8
17.5°	958.7	958.4	918.2	812.4	670.4	552.3	483.2	445.5	436.7	434.2	433.9
20°	989.0	980.9	911.5	750.1	579.1	456.8	413.1	415.6	428.6	434.2	434.9
22.5°	1023.2	1003.1	891.7	670.4	475.5	390.5	393.4	413.8	432.8	441.3	442.3
25°	1058.1	1022.2	858.6	577.0	388.8	366.2	388.1	411.0	432.5	443.4	444.5
27.5°	1072.2	1022.2	802.2	468.8	342.6	356.0	380.0	402.2	424.7	437.4	439.9
30°	1083.8	1013.3	723.3	371.2	323.6	346.1	366.9	387.4	409.6	425.1	427.9
32.5°	1100.1	1005.6	627.7	311.9	314.8	336.6	351.1	368.3	388.4	398.6	397.6
35°	1119.1	993.6	512.5	283.7	307.4	328.5	338.7	348.9	339.8	339.4	340.5
37.5°	1146.2	983.0	412.0	271.0	302.4	322.9	331.3	309.5	296.8	291.5	289.4
40°	1185.4	978.8	325.0	263.6	301.7	322.5	316.5	282.7	265.4	247.1	246.7
42.5°	1234.7	975.6	268.6	260.1	304.2	330.6	296.1	265.1	229.5	221.4	220.6
45°	1298.1	970.7	240.4	259.4	310.2	337.0	294.0	240.7	216.4	212.9	212.9
47.5°	1374.6	962.9	227.7	259.4	316.9	334.1	287.6	235.4	210.4	214.3	216.8
50°	1462.4	953.1	221.0	258.7	323.6	334.1	274.2	234.4	209.0	229.1	237.2
52.5°	1556.2	941.8	216.4	255.9	328.1	334.5	274.9	237.9	210.4	232.6	239.3
55°	1659.8	940.0	210.1	249.9	329.6	325.3	276.7	245.7	212.5	210.8	211.1
57.5°	1790.5	961.2	205.5	241.1	323.9	306.6	280.2	251.3	210.1	210.4	212.9
60°	1927.3	1001.0	209.4	232.6	312.3	289.0	282.7	248.5	198.1	192.4	193.2
62.5°	2043.6	1031.3	212.5	228.8	295.4	273.5	280.2	242.1	191.4	190.0	193.2
65°	2092.3	1006.3	204.8	220.6	270.7	254.5	274.9	234.0	185.8	180.5	180.8
67.5°	2038.3	888.9	189.6	202.7	242.9	230.2	266.5	223.5	178.0	171.7	170.2
70°	1741.2	653.1	163.5	174.1	209.0	201.6	253.4	209.7	165.7	161.1	157.9
72.5°	1403.2	462.4	135.7	138.5	163.9	169.9	230.9	192.4	151.6	138.5	133.9
75°	976.7	290.4	113.1	110.3	118.4	129.7	180.1	159.7	130.8	117.0	112.8
77.5°	420.1	149.1	88.5	87.1	79.0	89.9	138.2	133.2	109.6	93.8	91.3
80°	140.6	86.4	63.8	61.3	52.5	63.1	97.3	106.4	86.0	69.4	65.2
82.5°	70.5	50.1	40.5	36.7	35.2	39.8	57.5	66.3	59.6	47.9	40.5
85°	34.5	28.6	22.2	21.9	18.3	17.3	24.0	28.2	26.8	19.7	18.7
87.5°	12.7	11.3	7.0	5.6	3.5	2.5	1.4	1.4	1.1	1.1	1.1
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)