

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: P629946

Luminaire Tested: GWS-SA1C-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3844.1 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

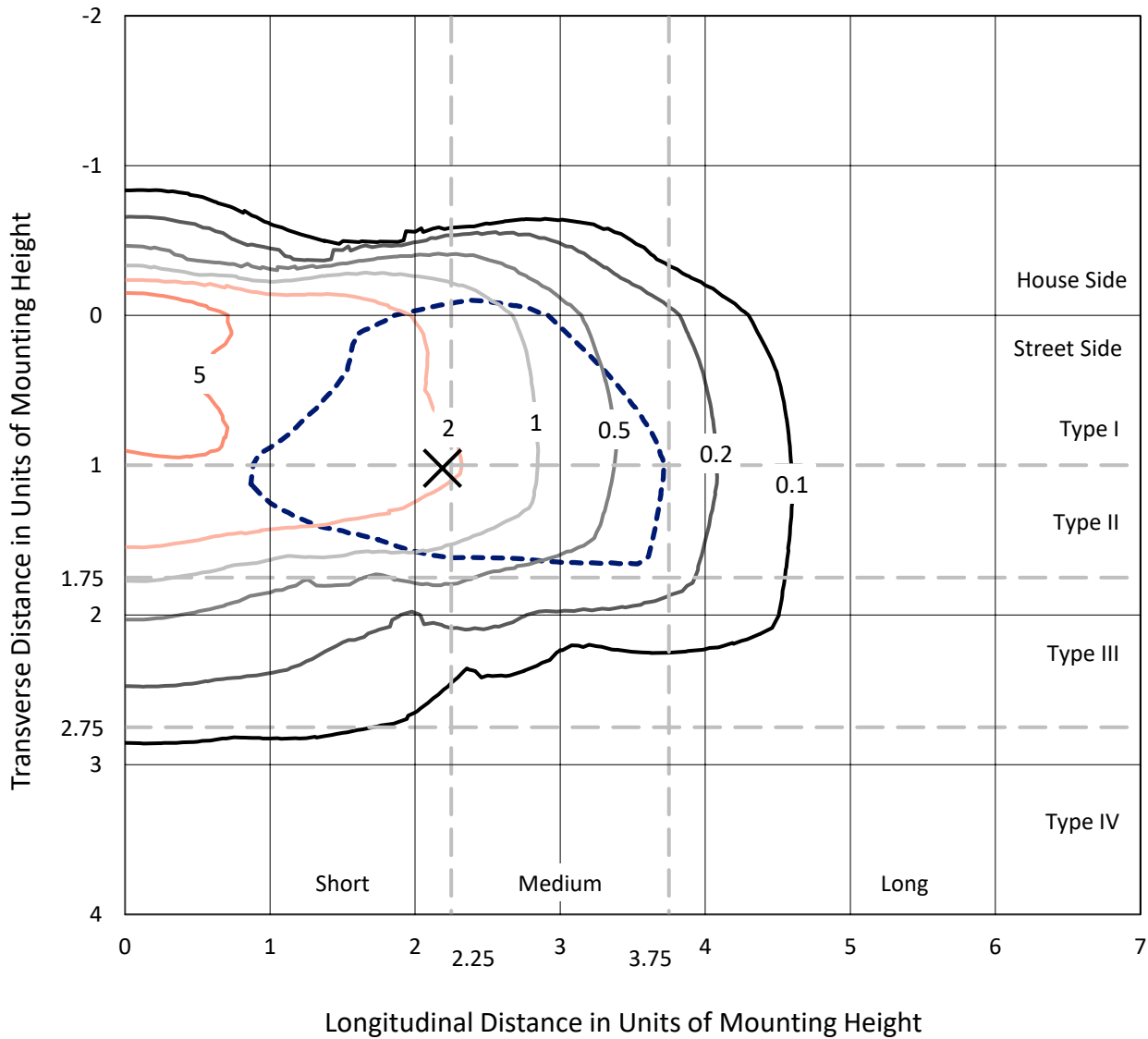
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629946
 CATALOG NUMBER: GWS-SA1C-760-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

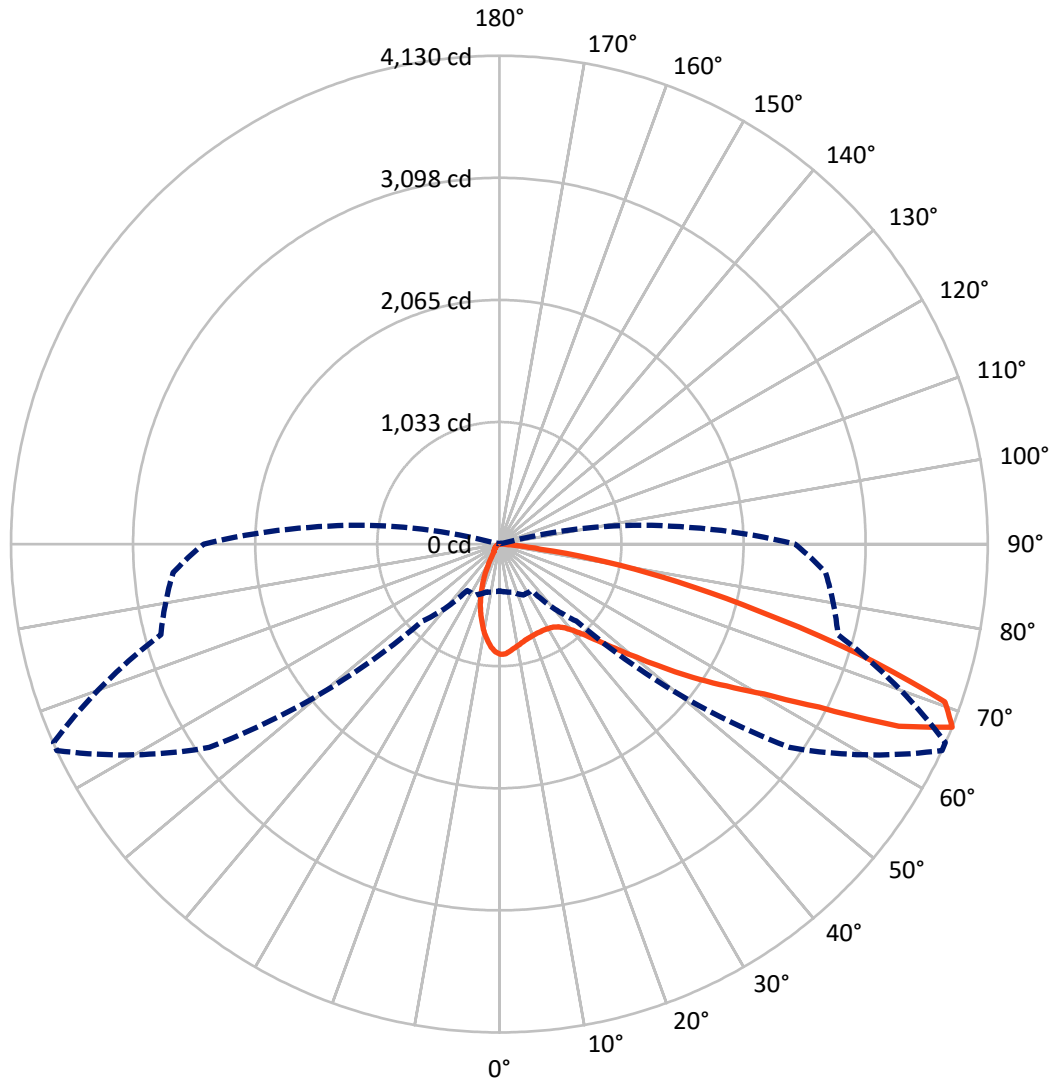
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P629946
CATALOG NUMBER: GWS-SA1C-760-U-SL2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P629946
 CATALOG NUMBER: GWS-SA1C-760-U-SL2-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	480.0	0.0	480.0
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	3364.1	0.0	3364.1
	% Fixture	87.5	0.0	87.5
Total	Lumens	3844.1	0.0	3844.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	2.0
10°-20°	174.1	4.5
20°-30°	248.7	6.5
30°-40°	361.9	9.4
40°-50°	566.8	14.7
50°-60°	884.2	23.0
60°-70°	971.2	25.3
70°-80°	516.9	13.4
80°-90°	43.0	1.1
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°	3844.1	100.0
0°-180°	3844.1	100.0

Coefficient of Utilization



REPORT NUMBER: P629946

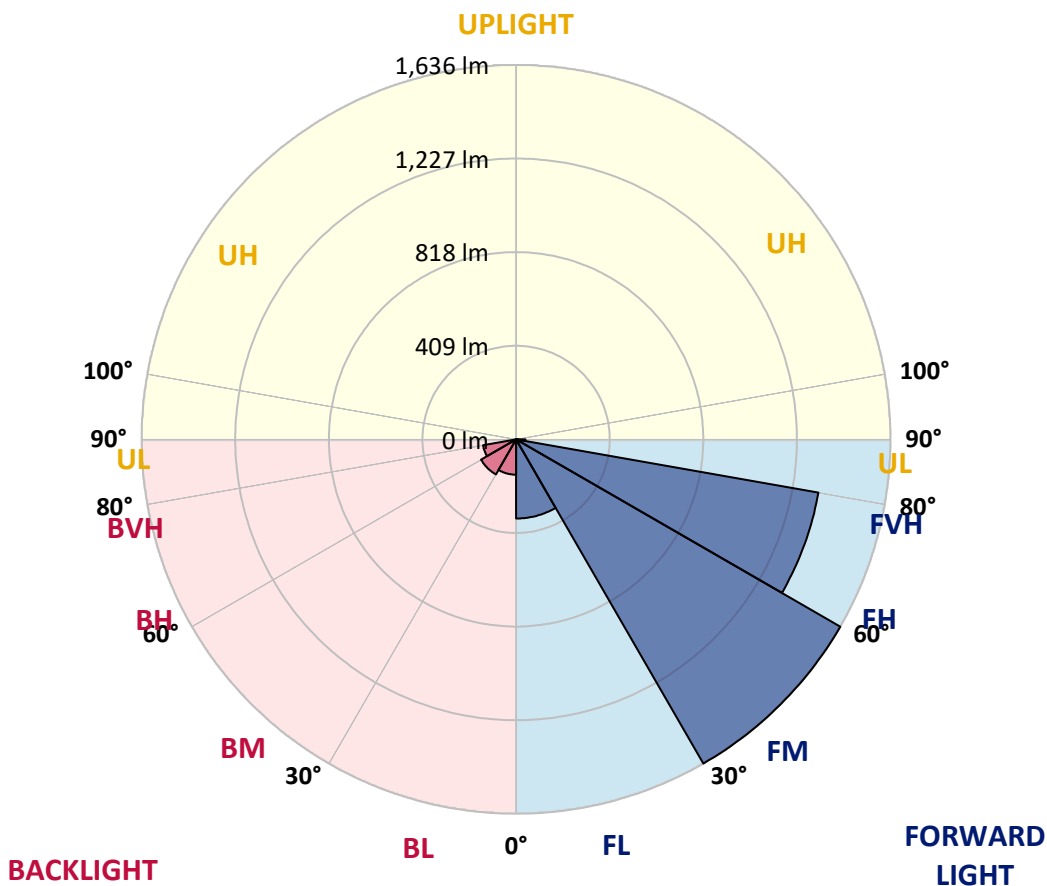
CATALOG NUMBER: GWS-SA1C-760-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	345.9	9.0			
FM (30°-60°)	1636.0	42.6			
FH (60°-80°)	1341.4	34.9			G1/1800
FVH (80°-90°)	40.7	1.1			G1/100
BL (0°-30°)	154.3	4.0	B1/500		
BM (30°-60°)	176.8	4.6	B0/220		
BH (60°-80°)	146.6	3.8	B1/500		G1/500
BVH (80°-90°)	2.3	0.1			G0/10
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: P629946

CATALOG NUMBER: GWS-SA1C-760-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	932.3	932.3	932.3	932.3	932.3	932.3	932.3	932.3	932.3	932.3	932.3
2.5°	900.0	902.8	898.9	908.3	910.1	920.5	926.4	930.6	930.2	935.4	935.4
5°	847.1	849.9	847.8	857.9	865.9	882.3	895.8	911.5	912.2	928.1	934.1
7.5°	802.3	802.7	802.7	815.2	825.6	845.8	865.9	889.9	892.7	917.4	933.0
10°	765.5	766.5	766.8	781.1	792.6	816.9	842.6	871.5	874.6	908.0	932.3
12.5°	740.1	740.4	741.8	756.8	769.3	794.7	820.7	853.8	857.9	897.2	929.2
15°	727.9	727.2	727.9	740.4	752.9	777.3	804.0	839.5	844.0	888.2	929.5
17.5°	727.2	726.2	725.5	734.9	742.9	764.4	791.5	830.1	835.0	884.0	933.4
20°	737.3	736.6	733.1	737.3	739.0	756.8	783.5	822.8	827.7	883.3	941.7
22.5°	763.7	762.0	756.8	752.9	743.6	754.0	778.0	817.6	823.2	885.0	952.5
25°	803.0	802.3	795.7	786.3	762.3	758.2	778.3	817.6	822.8	887.1	963.9
27.5°	862.1	857.9	849.6	833.2	798.8	774.5	785.3	819.7	824.9	889.9	973.3
30°	922.2	921.9	919.1	902.4	851.3	805.8	799.9	825.2	830.1	892.3	982.0
32.5°	984.5	985.5	992.5	979.6	923.6	852.4	826.3	836.7	840.2	897.2	989.7
35°	1043.6	1045.6	1064.1	1068.6	1011.6	922.9	869.4	859.7	860.0	908.0	999.8
37.5°	1100.2	1107.2	1136.7	1158.6	1121.1	1008.4	931.6	898.6	895.8	929.5	1015.0
40°	1164.5	1177.7	1214.9	1252.1	1240.3	1121.4	1016.4	958.4	952.5	969.2	1042.5
42.5°	1235.8	1250.0	1299.4	1351.5	1357.1	1258.0	1122.5	1045.6	1035.6	1035.9	1094.0
45°	1312.3	1331.4	1388.7	1463.8	1497.5	1410.3	1253.2	1163.5	1153.4	1138.5	1176.7
47.5°	1412.7	1429.4	1484.7	1571.2	1635.9	1573.7	1424.5	1315.0	1296.6	1274.7	1305.3
50°	1499.3	1513.9	1561.5	1670.0	1804.5	1784.3	1618.9	1504.5	1486.8	1449.6	1474.9
52.5°	1518.4	1529.9	1573.7	1695.7	1933.5	2050.3	1857.0	1733.6	1721.1	1652.2	1662.0
55°	1432.5	1449.9	1489.2	1624.8	1967.2	2310.3	2166.0	1991.9	1965.8	1855.9	1873.3
57.5°	1215.6	1246.6	1283.4	1459.7	1875.8	2448.6	2597.8	2265.4	2241.8	2052.0	2052.3
60°	890.9	916.0	940.7	1102.0	1658.8	2439.2	2989.5	2572.7	2529.6	2212.3	2206.3
62.5°	648.0	660.8	660.5	717.8	1139.1	2278.6	3195.3	3035.8	2935.3	2383.6	2349.9
65°	509.6	509.3	524.2	543.0	636.1	1759.0	3220.7	3711.9	3603.4	2613.4	2543.2
67.5°	396.6	404.3	419.2	474.5	478.0	920.5	2997.5	4130.1	4128.0	2964.2	2769.5
70°	305.9	316.3	337.5	418.2	441.5	515.2	2242.8	3997.6	4031.3	3120.9	2609.2
72.5°	196.4	195.7	227.0	337.9	424.1	429.3	1240.3	3175.5	3213.7	2826.8	2109.7
75°	109.8	110.5	128.3	206.8	395.2	403.9	614.2	2264.4	2294.6	2203.9	1620.9
77.5°	43.1	44.5	60.1	108.8	260.7	360.8	365.0	1544.1	1548.6	1365.8	994.2
80°	17.4	18.4	30.6	67.4	158.9	243.0	260.7	909.7	891.3	528.7	289.2
82.5°	5.2	5.6	12.2	38.2	83.1	172.8	175.9	349.0	329.5	113.7	73.7
85°	0.3	0.3	2.8	11.8	29.5	43.5	117.1	113.7	100.8	28.5	32.7
87.5°	0.0	0.0	0.3	0.3	0.7	1.4	12.5	20.9	21.2	5.2	14.6
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: P629946
 CATALOG NUMBER: GWS-SA1C-760-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	932.3	932.3	932.3	932.3	932.3	932.3	932.3	932.3	932.3	932.3	932.3
2.5°	935.4	922.9	921.9	912.2	902.4	890.3	876.0	865.6	858.3	845.4	843.0
5°	934.1	917.4	901.7	873.9	843.0	809.6	780.4	753.3	736.3	724.8	719.9
7.5°	931.3	910.1	873.9	821.4	769.6	711.2	665.7	624.0	595.5	578.8	571.5
10°	929.2	900.7	841.9	762.3	682.0	601.4	532.2	470.3	435.9	408.8	404.3
12.5°	925.0	887.1	800.9	693.2	589.6	482.5	394.2	318.4	265.9	242.3	233.9
15°	920.8	872.9	759.9	620.2	488.8	356.7	249.6	176.6	140.4	129.3	128.6
17.5°	920.1	860.0	715.4	551.0	383.1	233.6	142.2	114.4	106.7	103.9	103.9
20°	922.2	849.2	671.6	471.4	279.1	142.2	106.0	99.1	94.6	92.1	92.1
22.5°	924.3	838.1	629.5	391.1	185.3	103.9	93.5	87.6	82.4	79.6	78.2
25°	925.7	825.9	583.0	310.4	121.0	90.4	82.0	74.4	68.1	64.7	64.7
27.5°	925.4	811.3	536.0	231.5	93.9	80.3	70.2	62.2	56.0	52.1	52.5
30°	922.6	795.4	487.4	161.6	82.0	70.2	60.1	51.8	45.5	42.4	42.1
32.5°	920.5	778.3	431.0	113.7	73.7	61.5	51.1	43.1	37.9	35.5	35.1
35°	918.1	761.6	377.5	86.6	66.4	53.2	43.1	36.5	32.3	30.2	30.2
37.5°	918.8	744.3	319.5	74.4	59.1	46.2	36.8	31.3	27.8	25.7	25.4
40°	929.5	733.8	262.5	67.4	52.5	40.0	32.0	27.1	23.6	21.6	21.2
42.5°	956.3	734.2	207.9	62.2	46.6	34.1	27.8	23.3	20.2	17.7	17.4
45°	1009.8	748.8	159.6	56.7	40.3	29.5	24.0	19.8	16.7	14.6	14.3
47.5°	1097.4	792.2	121.0	51.8	35.1	25.7	20.5	16.7	13.9	12.2	11.8
50°	1236.8	870.8	95.2	45.9	29.5	22.2	17.4	13.9	11.5	9.7	9.4
52.5°	1404.4	988.6	81.7	40.7	25.4	19.5	14.9	11.5	9.4	8.0	7.6
55°	1597.0	1129.4	75.4	35.5	21.6	16.7	12.2	9.4	7.6	6.6	5.9
57.5°	1773.6	1256.3	75.1	30.2	18.4	14.3	10.1	8.0	6.6	5.2	4.9
60°	1945.6	1362.3	70.6	25.0	16.0	11.8	8.7	6.6	5.6	4.5	4.2
62.5°	2101.7	1448.5	59.1	20.2	13.6	9.7	7.3	5.9	4.9	3.8	3.8
65°	2297.8	1558.4	45.2	16.3	11.1	8.0	6.3	5.2	4.5	3.5	3.5
67.5°	2500.4	1616.4	32.3	13.6	9.0	7.0	5.6	4.9	3.8	3.1	3.1
70°	2264.7	1365.8	23.3	11.1	7.6	5.9	4.9	4.5	3.8	3.1	2.8
72.5°	1768.7	984.8	17.4	8.7	6.6	5.6	4.5	4.2	3.5	2.8	2.8
75°	1311.6	574.3	13.2	7.0	5.2	4.5	4.5	4.2	3.5	2.8	2.4
77.5°	713.0	200.2	10.1	5.6	4.2	3.5	3.8	3.8	3.1	2.4	2.1
80°	188.8	54.9	7.0	4.2	3.5	2.8	2.8	3.5	2.8	2.1	2.1
82.5°	54.9	16.0	4.9	3.5	2.8	2.4	2.4	2.4	2.1	1.7	1.4
85°	26.8	5.9	3.5	2.8	2.4	2.1	1.7	1.7	1.4	1.0	1.0
87.5°	11.8	2.4	2.8	2.4	2.4	1.7	1.4	1.0	1.0	0.7	0.3
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)