

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: P631625

Luminaire Tested: GWS-SA2B-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3188.3 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

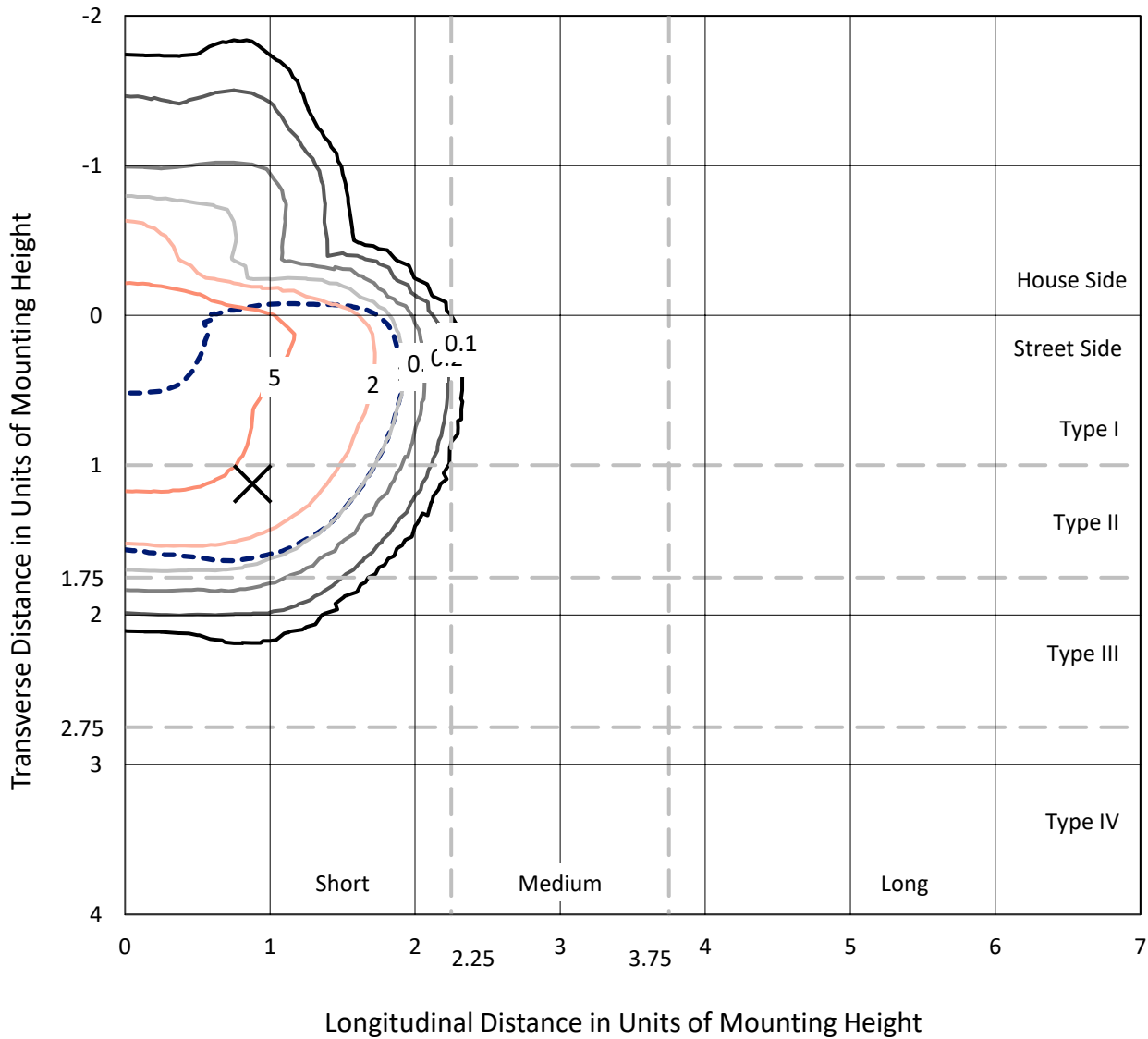
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631625
 CATALOG NUMBER: GWS-SA2B-722-U-T3R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

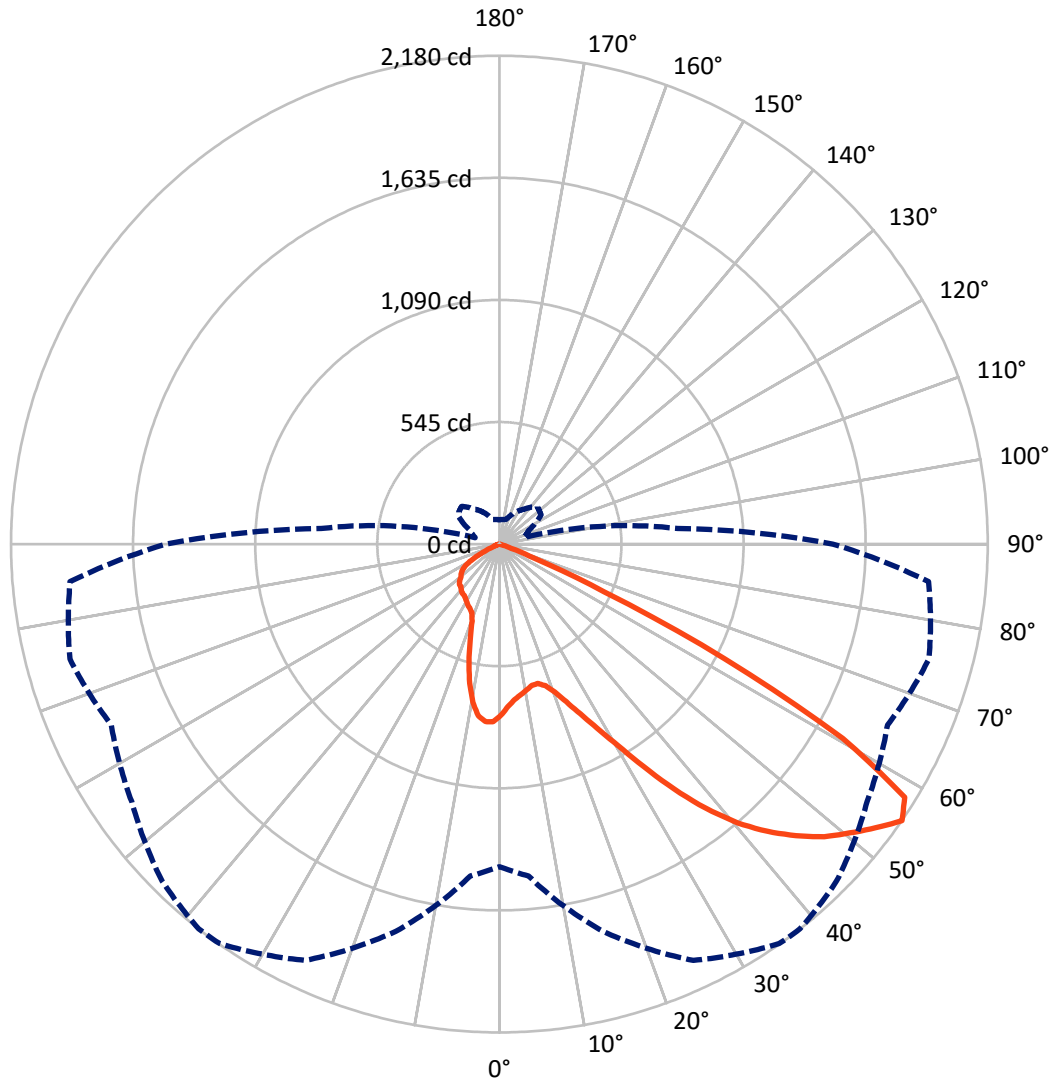
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type II - Short - N/A

REPORT NUMBER: P631625
CATALOG NUMBER: GWS-SA2B-722-U-T3R-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P631625
 CATALOG NUMBER: GWS-SA2B-722-U-T3R-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	621.2	0.0	621.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	2567.1	0.0	2567.1
	% Fixture	80.5	0.0	80.5
Total	Lumens	3188.3	0.0	3188.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	2.2
10°-20°	190.3	6.0
20°-30°	326.6	10.2
30°-40°	541.7	17.0
40°-50°	796.3	25.0
50°-60°	930.5	29.2
60°-70°	315.4	9.9
70°-80°	16.1	0.5
80°-90°	0.6	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°	3188.3	100.0
0°-180°	3188.3	100.0

Coefficient of Utilization

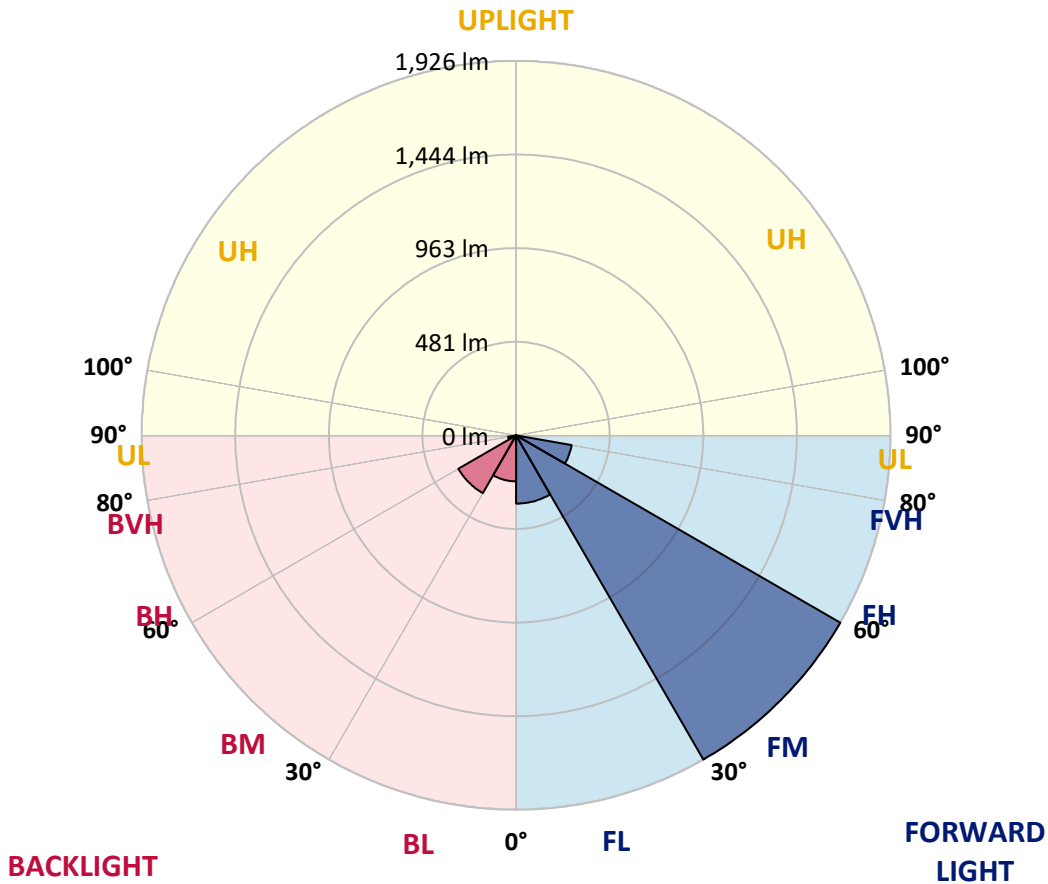


REPORT NUMBER: P631625
 CATALOG NUMBER: GWS-SA2B-722-U-T3R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	351.0	11.0			
FM (30°-60°)	1925.6	60.4			
FH (60°-80°)	290.2	9.1			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	236.7	7.4	B1/500		
BM (30°-60°)	342.9	10.8	B1/1000		
BH (60°-80°)	41.4	1.3	B0/110		G0/110
BVH (80°-90°)	0.3	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: P631625

CATALOG NUMBER: GWS-SA2B-722-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6
2.5°	712.1	710.6	713.6	719.4	724.9	726.7	732.1	739.8	744.5	755.8	764.9
5°	680.0	679.3	682.2	687.3	694.6	697.2	705.5	718.3	731.1	750.7	770.0
7.5°	650.9	650.5	654.9	666.2	676.8	680.0	690.2	705.9	723.0	753.3	781.7
10°	612.6	613.0	621.4	637.4	656.7	663.3	679.7	702.3	724.5	763.5	802.8
12.5°	600.2	600.9	605.3	617.7	638.8	647.2	670.2	704.4	732.9	778.1	830.2
15°	630.5	630.5	626.8	628.3	637.8	645.4	669.5	711.7	747.1	795.6	857.1
17.5°	689.1	687.0	677.8	665.5	662.2	664.7	684.0	727.4	767.1	816.0	887.8
20°	768.6	769.3	751.5	725.6	704.8	704.4	716.1	755.1	795.9	840.4	920.9
22.5°	864.8	861.9	838.2	802.8	766.8	763.8	768.6	797.4	837.5	879.0	961.7
25°	976.3	974.9	941.3	894.0	846.2	839.3	839.3	867.7	896.9	934.0	1010.6
27.5°	1092.9	1092.9	1060.5	1005.8	942.4	930.0	928.2	961.7	981.1	988.3	1051.8
30°	1212.8	1211.4	1179.3	1123.2	1055.4	1042.6	1037.5	1062.3	1076.2	1054.3	1103.1
32.5°	1334.6	1337.1	1304.7	1252.6	1192.1	1183.7	1168.0	1168.0	1179.3	1148.7	1184.0
35°	1465.4	1464.7	1439.1	1403.8	1352.0	1342.6	1316.7	1276.2	1293.4	1279.9	1295.9
37.5°	1580.9	1586.4	1574.0	1547.7	1505.8	1496.4	1453.7	1380.5	1393.6	1414.7	1428.9
40°	1698.3	1702.6	1715.0	1706.6	1653.8	1636.3	1560.5	1440.2	1454.8	1527.3	1568.2
42.5°	1813.4	1815.6	1840.7	1854.6	1783.9	1753.3	1641.4	1476.7	1492.0	1615.5	1687.0
45°	1886.7	1891.4	1932.9	1975.2	1898.7	1856.8	1711.7	1523.3	1529.9	1676.8	1774.8
47.5°	1883.8	1894.7	1972.7	2049.6	1997.5	1952.3	1796.3	1598.0	1587.1	1734.3	1832.7
50°	1825.1	1838.2	1950.1	2072.2	2068.5	2026.6	1890.3	1706.3	1672.0	1785.4	1840.0
52.5°	1703.4	1741.3	1910.4	2075.1	2125.7	2104.6	2006.6	1852.0	1786.8	1858.6	1851.7
55°	1440.2	1486.9	1789.7	2050.3	2177.5	2180.0	2128.6	2004.0	1911.4	1984.7	1923.5
57.5°	1093.3	1130.5	1377.6	1825.1	2091.8	2133.8	2176.0	2084.2	1988.3	2070.7	1940.2
60°	658.9	701.9	862.6	1339.3	1689.5	1760.9	1926.8	1908.9	1793.4	1828.7	1591.1
62.5°	267.1	289.7	398.3	738.0	1063.4	1130.1	1289.0	1316.0	1287.5	1251.5	965.0
65°	97.7	106.8	159.6	305.0	489.1	513.5	597.3	645.0	684.4	582.7	359.0
67.5°	60.5	66.3	103.9	156.7	177.8	165.5	168.4	200.8	191.7	118.4	64.1
70°	44.8	49.6	81.3	108.6	71.8	55.4	37.5	40.1	36.1	31.7	31.3
72.5°	31.0	35.3	60.9	64.1	27.7	19.7	13.8	19.3	21.9	21.5	22.2
75°	20.4	23.7	38.3	25.1	6.9	5.5	4.7	10.2	13.1	13.1	13.5
77.5°	12.0	13.8	13.5	5.1	1.5	1.5	1.1	1.8	2.9	3.3	4.0
80°	1.5	1.1	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.1
82.5°	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1
85°	0.0	0.0	0.4	0.4	0.7	0.7	0.7	0.7	0.7	1.1	1.1
87.5°	0.0	0.0	0.4	0.4	0.7	0.7	0.7	0.7	0.7	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



REPORT NUMBER: P631625
 CATALOG NUMBER: GWS-SA2B-722-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6	764.6
2.5°	771.9	769.3	779.9	787.5	793.7	796.6	792.6	792.3	792.3	784.3	782.1
5°	781.0	782.1	797.0	803.6	804.7	801.0	791.9	785.7	782.1	773.7	769.0
7.5°	798.5	802.1	816.3	815.2	805.4	788.6	764.6	746.0	734.0	720.8	712.8
10°	823.6	830.5	839.3	824.0	792.6	750.0	700.4	665.1	644.0	629.0	619.9
12.5°	854.2	861.2	858.2	822.2	756.9	680.8	617.0	566.0	541.5	528.1	518.6
15°	885.2	889.6	870.6	800.3	693.9	591.5	520.4	469.8	439.9	428.9	420.9
17.5°	916.9	915.8	872.8	757.3	609.7	490.9	420.9	386.3	377.9	376.1	375.4
20°	950.1	940.2	864.1	695.7	508.4	391.4	351.7	353.9	369.2	376.5	377.9
22.5°	988.0	963.2	842.2	612.2	404.9	326.2	330.2	351.7	372.4	382.3	383.7
25°	1028.4	984.3	805.8	505.1	319.2	299.9	323.6	348.4	370.6	382.7	384.1
27.5°	1055.0	989.4	746.0	397.2	274.1	289.7	314.9	338.6	361.5	374.6	376.5
30°	1083.8	987.2	664.7	306.1	258.7	281.0	302.8	324.3	345.5	360.1	361.5
32.5°	1126.1	985.8	565.6	248.5	252.6	274.1	290.1	307.9	322.5	330.9	329.8
35°	1181.5	984.0	450.1	224.1	248.9	268.6	281.3	289.7	273.7	268.6	269.7
37.5°	1252.6	988.3	352.8	213.9	247.8	267.1	278.1	254.0	229.2	219.8	218.3
40°	1331.3	999.6	269.0	209.9	251.5	270.8	265.7	225.9	195.3	176.7	172.7
42.5°	1410.4	1012.0	212.8	208.5	257.7	281.0	245.3	205.5	159.6	149.1	147.6
45°	1469.0	1009.8	184.0	205.9	263.1	286.8	239.8	176.4	142.5	137.8	138.1
47.5°	1498.5	985.8	168.4	200.1	265.3	281.0	226.3	164.4	130.8	135.9	140.3
50°	1482.9	923.5	153.8	188.8	260.6	273.3	204.8	155.2	125.0	146.1	156.0
52.5°	1463.9	846.9	137.8	171.3	249.3	262.8	196.4	152.7	121.4	141.0	148.3
55°	1489.1	798.5	111.5	144.3	227.0	238.0	189.9	152.3	113.0	109.7	108.6
57.5°	1453.7	701.9	79.8	103.9	174.2	188.4	185.1	149.8	100.2	99.9	101.3
60°	1123.5	428.2	54.7	66.0	106.8	120.3	168.0	143.2	86.4	79.4	79.8
62.5°	638.5	182.2	37.5	40.8	54.7	64.9	128.3	130.1	79.8	75.8	79.8
65°	222.3	65.2	29.2	27.3	30.2	34.6	73.6	100.6	72.5	65.6	66.3
67.5°	45.9	32.4	25.9	22.6	22.6	22.6	37.5	62.7	59.8	52.1	52.8
70°	29.2	27.7	22.6	19.3	18.6	17.1	21.5	34.6	41.2	37.9	38.3
72.5°	21.5	21.1	17.9	15.7	13.8	12.4	13.5	17.1	21.1	21.9	22.2
75°	13.1	13.5	11.7	9.8	8.7	7.7	8.0	8.0	8.0	7.3	8.0
77.5°	4.0	4.4	3.6	2.9	2.6	2.6	2.6	2.2	1.8	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	0.7	0.7	0.4	0.4	0.0	0.0
82.5°	1.1	1.1	1.1	1.1	0.7	0.7	0.4	0.4	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	0.7	0.7	0.4	0.4	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	0.7	0.7	0.4	0.4	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)