

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: P631951

Luminaire Tested: GWS-SA2B-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4299.5 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

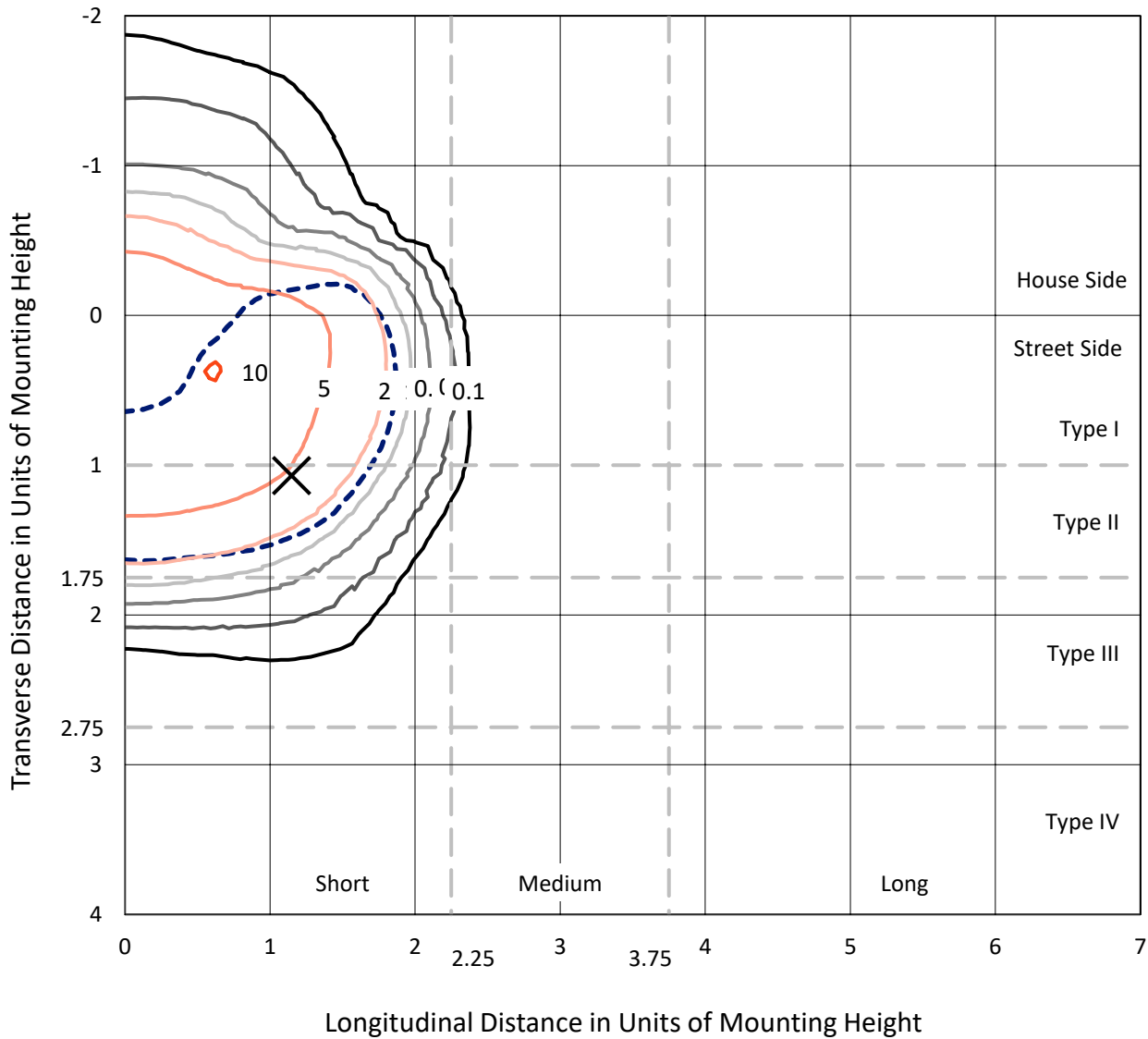
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

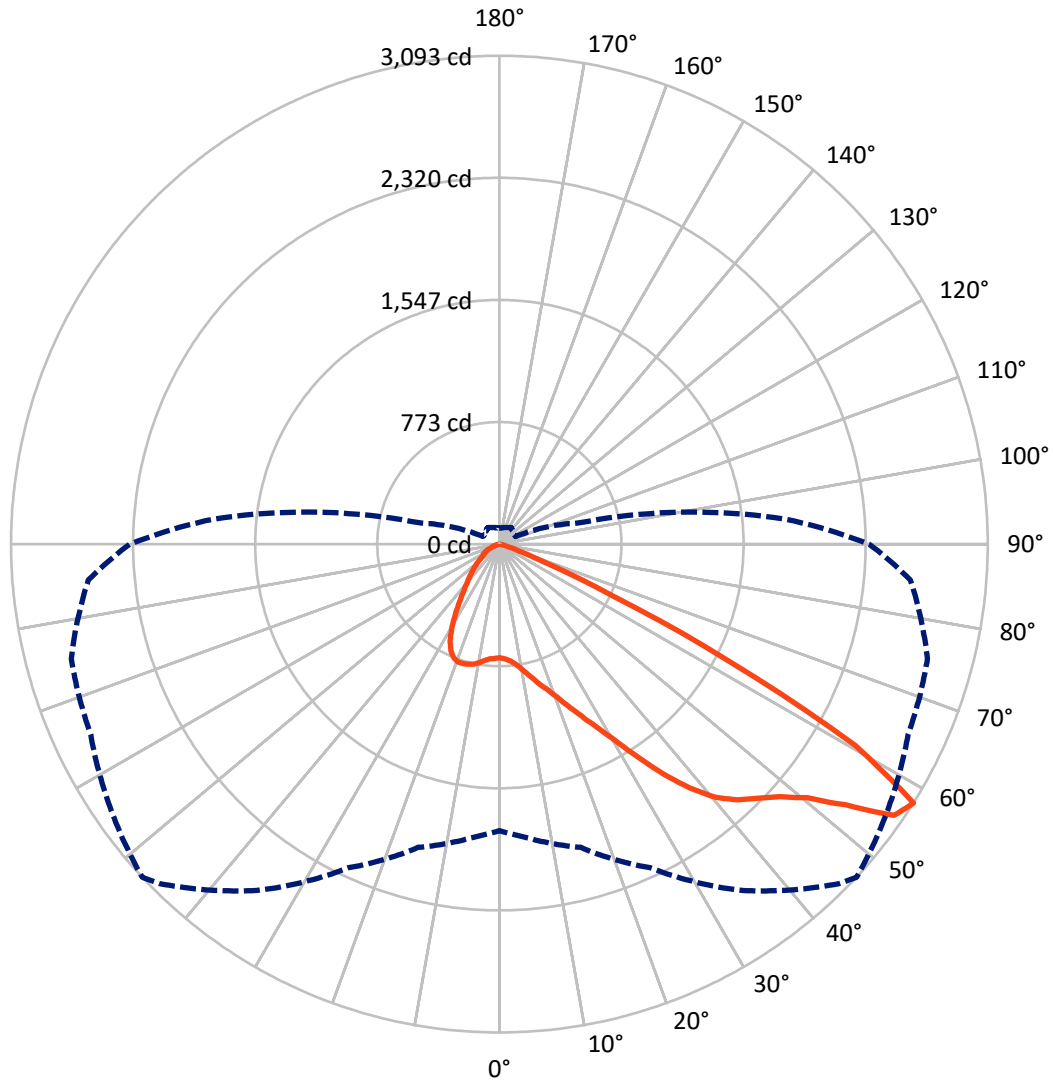
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	932.8	0.0	932.8
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3366.7	0.0	3366.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	4299.5	0.0	4299.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	1.7
10°-20°	241.6	5.6
20°-30°	448.6	10.4
30°-40°	718.2	16.7
40°-50°	1049.8	24.4
50°-60°	1295.6	30.1
60°-70°	432.9	10.1
70°-80°	40.3	0.9
80°-90°	0.8	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°	4299.5	100.0
0°-180°	4299.5	100.0

Coefficient of Utilization



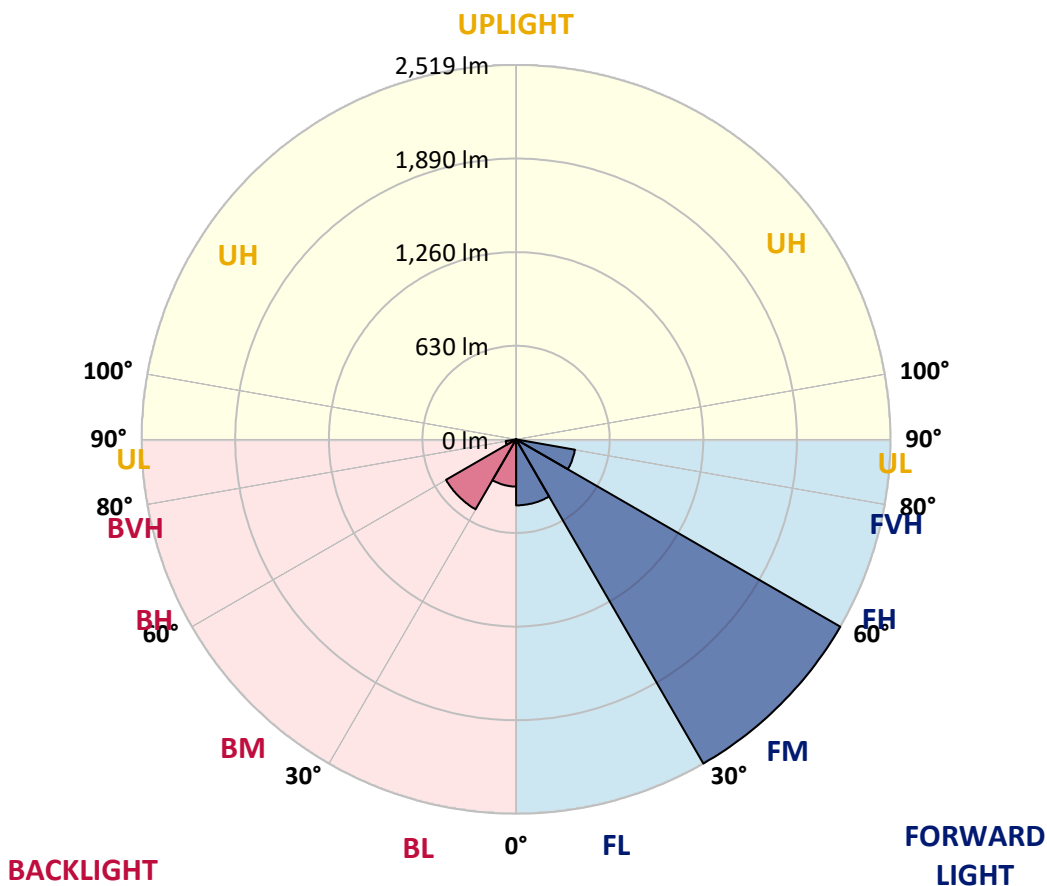
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	444.3	10.3			
FM (30°-60°)	2519.5	58.6			
FH (60°-80°)	402.3	9.4			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	317.5	7.4	B1/500		
BM (30°-60°)	544.1	12.7	B1/1000		
BH (60°-80°)	70.9	1.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7
2.5°	727.2	726.7	726.2	729.2	728.2	727.7	728.7	728.7	728.7	725.7	719.7
5°	744.7	744.7	744.2	747.2	744.7	743.2	743.7	743.7	741.7	736.2	728.7
7.5°	772.1	771.2	770.2	773.1	770.7	770.2	771.2	768.2	764.7	755.7	745.2
10°	811.6	811.6	810.1	813.1	811.1	810.1	810.1	808.1	801.6	787.6	772.1
12.5°	866.0	863.5	860.0	857.5	856.5	856.0	856.5	853.5	846.5	828.6	807.1
15°	925.4	923.4	917.9	913.9	908.4	907.4	910.4	907.9	900.9	876.5	846.0
17.5°	1000.3	1002.7	988.8	980.3	964.3	963.3	964.3	968.3	963.3	931.9	887.4
20°	1064.1	1066.1	1055.7	1049.7	1035.2	1028.7	1030.7	1037.2	1031.7	994.8	932.9
22.5°	1132.5	1135.0	1124.0	1111.6	1105.1	1105.1	1112.6	1121.5	1114.1	1065.6	984.8
25°	1214.4	1216.4	1207.4	1190.9	1179.4	1193.9	1204.9	1228.9	1216.4	1150.5	1046.2
27.5°	1308.2	1308.7	1295.7	1278.8	1272.8	1299.7	1310.7	1347.6	1342.7	1245.8	1111.1
30°	1408.5	1409.0	1406.0	1394.6	1389.1	1424.5	1439.5	1492.9	1489.4	1364.1	1199.4
32.5°	1512.9	1512.9	1518.3	1517.3	1523.8	1581.7	1605.7	1666.6	1663.1	1508.9	1309.2
35°	1617.7	1618.2	1627.7	1651.6	1678.6	1755.4	1786.9	1860.7	1852.8	1682.1	1449.5
37.5°	1737.0	1732.0	1744.9	1780.9	1840.8	1929.6	1959.6	2029.9	2021.0	1859.2	1632.6
40°	1880.7	1871.7	1871.7	1913.7	1981.5	2083.9	2109.3	2144.2	2113.8	2002.5	1812.3
42.5°	2039.4	2030.9	2020.0	2056.9	2113.8	2193.7	2214.6	2205.1	2180.2	2137.8	2017.0
45°	2200.2	2187.2	2194.7	2217.1	2250.1	2288.0	2296.0	2252.1	2240.6	2252.6	2186.2
47.5°	2322.4	2313.5	2331.9	2363.4	2390.3	2395.8	2390.3	2329.4	2328.4	2370.9	2303.5
50°	2363.4	2364.4	2415.3	2484.2	2527.6	2532.1	2524.6	2454.7	2445.2	2457.7	2366.9
52.5°	2367.4	2371.4	2445.7	2577.0	2695.3	2749.2	2743.2	2667.8	2575.0	2561.5	2462.7
55°	2271.0	2294.5	2398.3	2590.0	2841.5	3013.7	3033.7	2889.4	2751.7	2740.2	2668.8
57.5°	1815.3	1863.2	1988.5	2261.5	2678.3	3041.2	3093.1	2989.3	2856.0	2807.1	2613.4
60°	1085.1	1144.5	1264.8	1599.7	2038.4	2499.6	2589.0	2603.4	2542.1	2400.8	2005.0
62.5°	465.7	460.7	608.9	865.5	1212.4	1588.7	1629.2	1692.0	1745.4	1597.7	1216.9
65°	159.7	173.7	241.6	390.3	606.9	737.7	773.6	830.0	905.9	747.7	445.7
67.5°	98.8	104.8	139.3	230.6	327.4	322.4	306.5	297.5	289.5	198.2	122.3
70°	71.9	76.9	97.8	158.7	220.1	154.7	134.3	108.8	120.8	111.3	86.8
72.5°	48.4	52.4	67.4	96.3	112.8	75.4	69.9	79.4	95.8	91.3	70.9
75°	28.9	31.4	38.4	46.9	45.9	38.9	39.4	55.9	73.4	68.4	50.4
77.5°	20.0	21.0	25.5	30.4	22.5	12.0	11.0	15.5	25.0	25.0	17.0
80°	5.0	6.5	6.5	4.0	3.5	3.0	3.0	4.5	7.0	5.0	2.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
87.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7	719.7
2.5°	723.2	717.2	721.2	720.2	723.2	724.2	719.7	718.7	719.2	713.3	711.3
5°	730.2	723.2	725.2	723.2	726.7	729.7	728.2	730.2	732.7	728.2	726.2
7.5°	745.2	738.2	737.7	734.7	739.7	741.7	741.2	746.7	751.7	748.7	745.7
10°	771.2	761.7	760.7	758.2	759.7	761.2	755.7	756.7	761.2	757.7	756.2
12.5°	803.1	791.6	789.1	783.1	783.1	775.6	763.7	761.2	764.7	762.2	759.7
15°	837.5	822.1	818.1	807.6	797.6	783.6	771.2	768.2	770.7	767.7	765.7
17.5°	876.0	858.5	845.5	827.1	805.1	788.6	774.6	768.2	764.2	758.2	757.7
20°	913.9	890.9	869.0	839.5	810.6	785.6	762.7	745.7	731.2	722.2	718.7
22.5°	957.8	923.9	888.4	847.0	805.6	767.7	727.2	698.3	673.3	664.8	660.8
25°	1004.7	960.8	907.9	854.0	788.6	727.7	672.8	629.9	597.0	586.0	581.5
27.5°	1056.7	996.3	927.9	852.5	753.7	670.8	598.0	544.5	512.1	502.1	505.6
30°	1122.5	1042.2	952.8	837.0	701.3	591.0	505.6	460.7	436.2	426.8	427.3
32.5°	1210.4	1108.1	989.3	804.1	633.9	500.1	425.3	392.3	375.8	363.4	362.4
35°	1336.2	1208.4	1023.2	751.2	552.0	419.3	364.9	338.9	315.9	301.5	304.0
37.5°	1486.9	1334.7	1041.7	679.8	460.2	356.4	319.4	293.0	267.0	245.6	248.1
40°	1665.6	1499.9	1040.2	586.0	376.3	313.5	281.5	250.6	218.1	198.7	200.6
42.5°	1864.7	1656.1	1007.7	486.6	312.0	278.5	245.1	206.1	174.7	162.7	163.2
45°	2037.4	1782.9	950.8	383.8	262.5	244.6	207.1	167.2	153.2	144.7	144.2
47.5°	2165.2	1875.7	869.5	302.0	222.6	213.6	170.2	149.7	138.8	131.8	130.8
50°	2236.6	1908.2	779.6	236.6	188.2	181.2	152.2	135.8	128.3	123.8	122.8
52.5°	2332.4	1947.1	715.2	186.7	157.7	148.2	140.3	126.3	121.3	117.8	116.3
55°	2484.2	2022.5	659.3	148.2	131.3	129.3	132.3	120.8	117.8	112.3	110.3
57.5°	2341.4	1816.8	512.1	114.8	110.8	118.3	127.8	115.3	107.8	102.8	100.8
60°	1647.6	1207.9	257.5	92.3	98.8	110.8	120.3	104.3	96.8	97.8	96.8
62.5°	908.4	604.4	115.8	77.4	85.8	97.8	102.8	90.3	85.4	93.8	95.3
65°	297.0	205.6	66.9	59.9	67.9	79.9	88.8	85.8	84.9	94.8	97.8
67.5°	91.3	67.9	45.4	42.9	46.9	58.9	74.9	92.8	99.8	102.8	104.3
70°	68.4	53.4	38.9	36.4	38.4	44.9	63.4	77.4	72.9	73.4	72.4
72.5°	54.9	42.4	33.4	31.9	31.9	30.9	33.4	41.9	47.4	49.9	49.9
75°	38.4	29.9	25.5	23.5	18.5	15.0	13.5	13.5	12.0	11.5	11.0
77.5°	13.0	11.0	10.0	8.0	5.5	4.5	4.0	3.5	2.5	1.5	1.0
80°	2.0	1.5	1.0	1.0	1.0	0.5	0.5	0.5	0.0	0.0	0.0
82.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	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)