

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: P630633

Luminaire Tested: GWS-SA1E-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4097.7 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

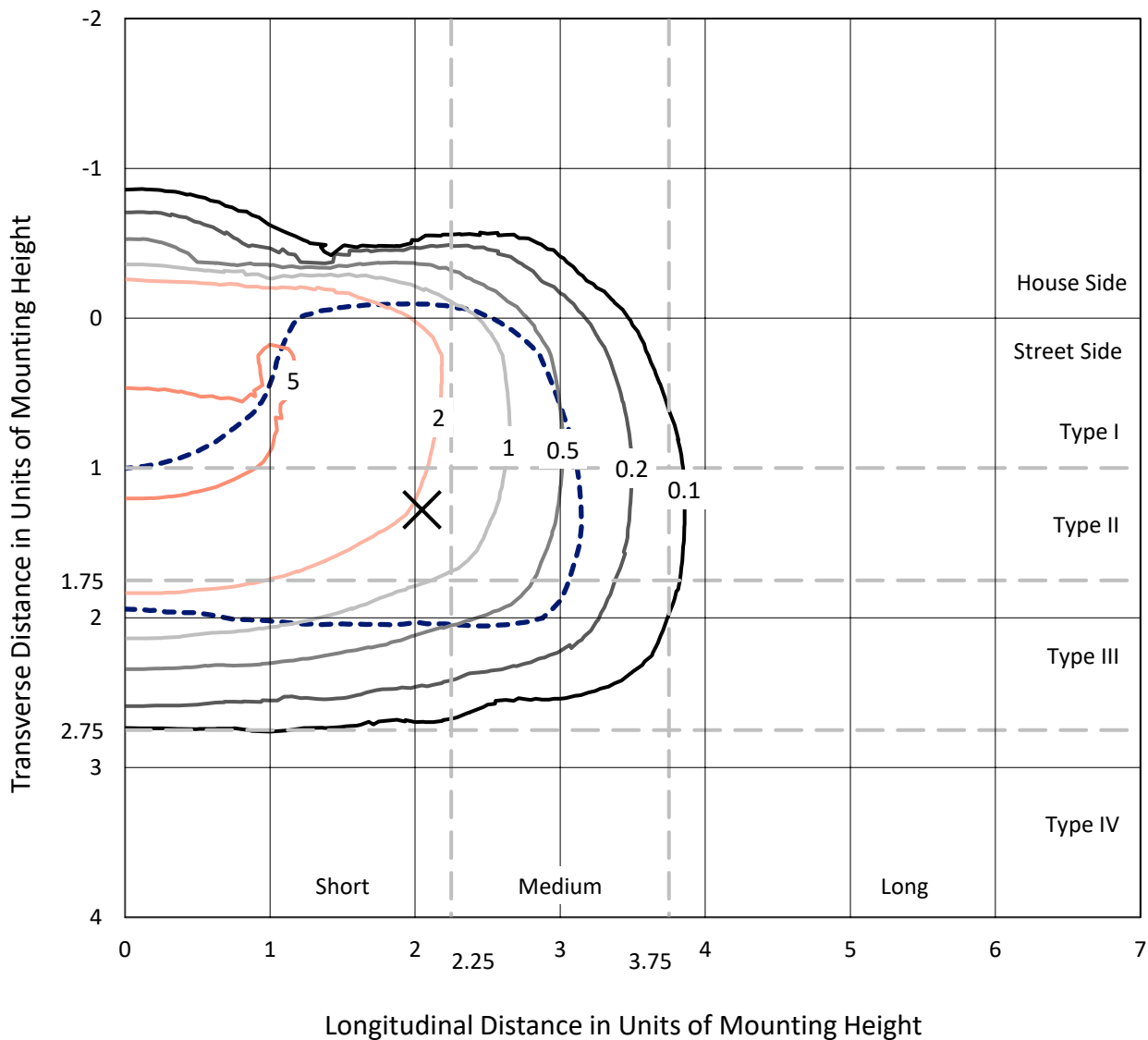
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

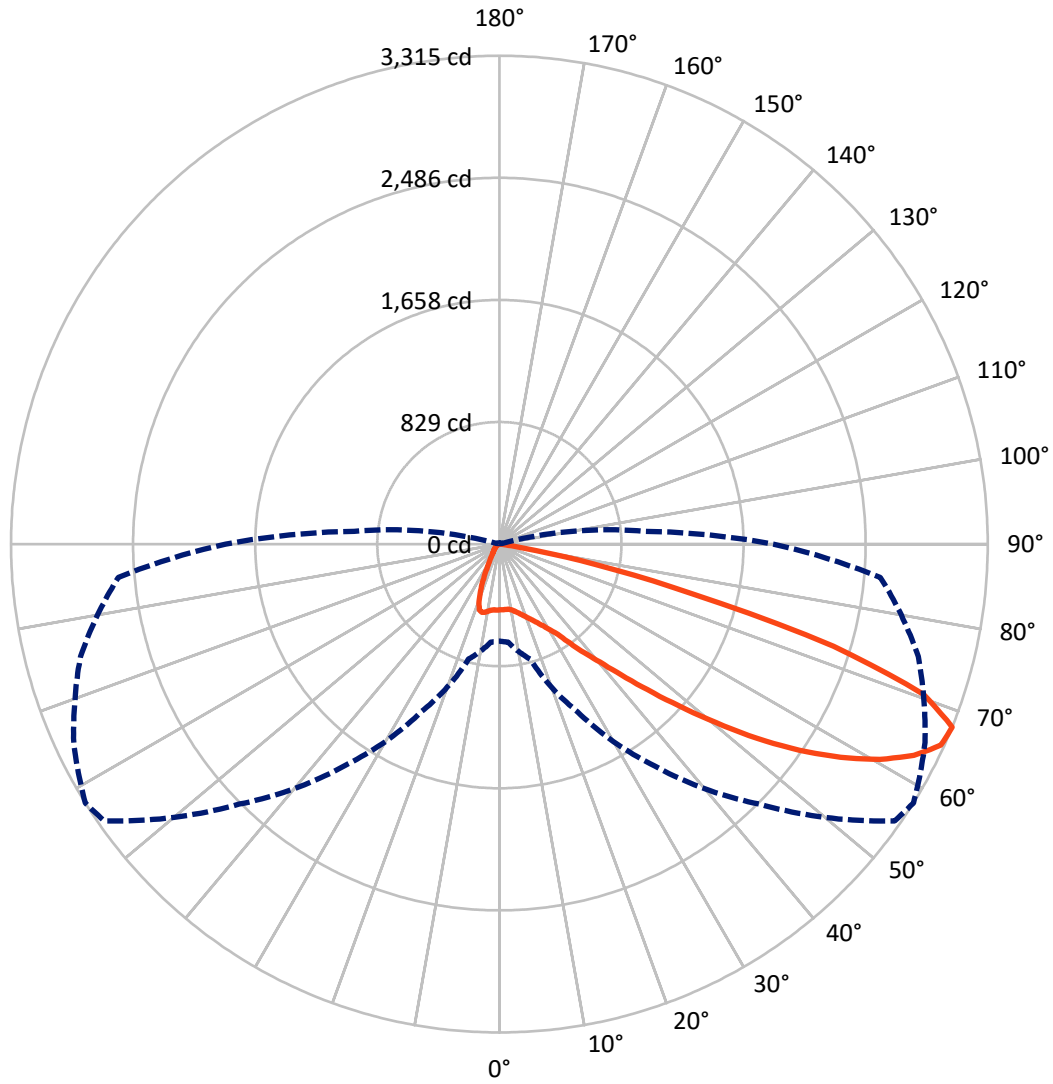
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	447.0	0.0	447.0
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	3650.6	0.0	3650.6
	% Fixture	89.1	0.0	89.1
Total	Lumens	4097.7	0.0	4097.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	1.0
10°-20°	117.8	2.9
20°-30°	205.6	5.0
30°-40°	367.1	9.0
40°-50°	671.0	16.4
50°-60°	1116.0	27.2
60°-70°	1212.2	29.6
70°-80°	355.9	8.7
80°-90°	10.1	0.2
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°	4097.7	100.0
0°-180°	4097.7	100.0

Coefficient of Utilization



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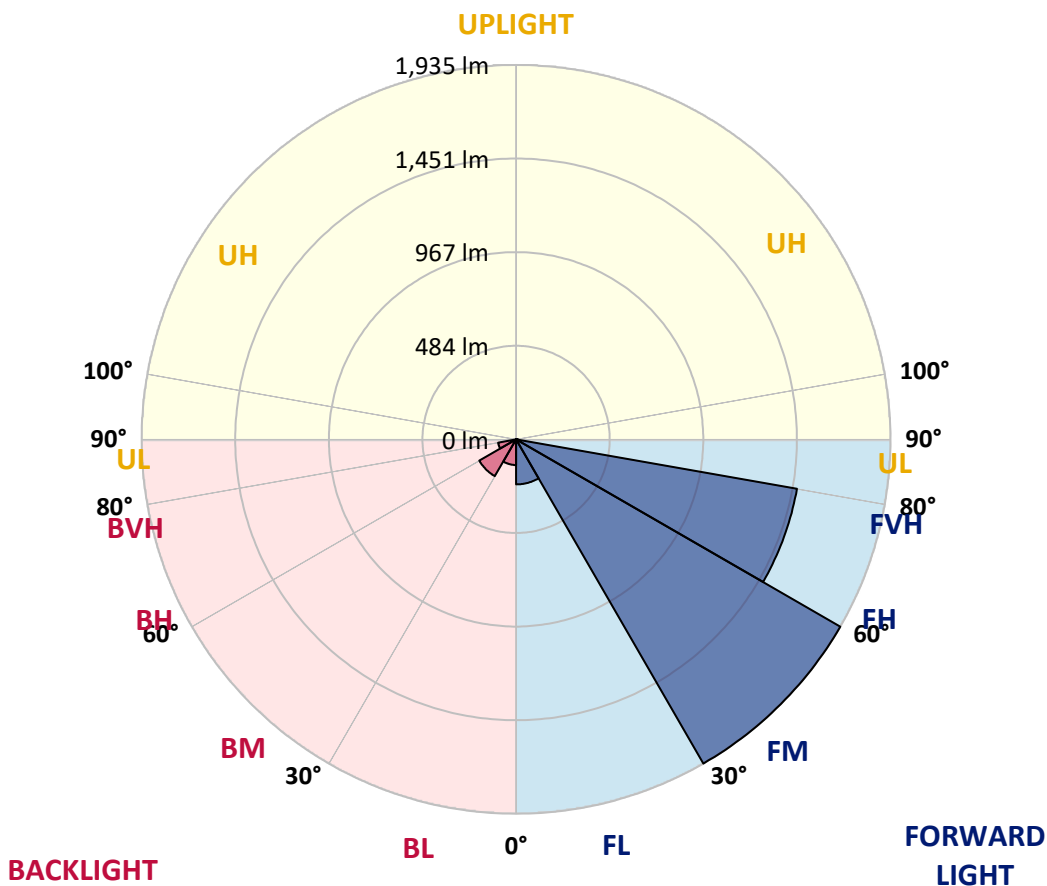
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.7	5.7			
FM (30°-60°)	1934.6	47.2			
FH (60°-80°)	1473.7	36.0			G1/1800
FVH (80°-90°)	9.6	0.2			G0/10
BL (0°-30°)	132.6	3.2	B1/500		
BM (30°-60°)	219.6	5.4	B0/220		
BH (60°-80°)	94.4	2.3	B0/110		G0/110
BVH (80°-90°)	0.5	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	446.5	446.5	446.5	446.5	446.5	446.5	446.5	446.5	446.5	446.5	446.5
2.5°	438.1	437.3	437.3	440.5	440.9	442.5	446.1	446.5	448.5	447.7	444.9
5°	415.3	415.7	418.1	423.7	428.5	434.5	443.3	445.3	449.7	452.1	450.5
7.5°	394.1	394.5	398.1	406.9	416.1	428.1	442.5	446.5	455.3	461.7	462.1
10°	386.1	385.7	389.3	399.3	411.3	428.1	448.9	454.1	467.3	478.5	480.5
12.5°	388.5	388.1	391.7	400.9	414.1	435.3	460.1	467.3	484.1	501.3	504.9
15°	398.1	397.7	400.1	407.7	422.1	444.1	474.5	485.3	506.5	527.3	533.0
17.5°	426.9	424.9	422.5	423.3	431.7	454.5	492.9	506.1	532.6	557.4	562.2
20°	478.1	472.9	466.5	458.1	454.1	469.7	514.1	529.4	561.4	589.8	590.6
22.5°	555.4	553.4	538.6	514.1	496.9	497.3	539.0	556.6	595.8	627.0	622.6
25°	663.0	661.8	639.0	599.0	554.2	539.0	570.6	588.6	636.6	669.8	655.8
27.5°	796.6	788.2	761.4	707.4	640.6	593.0	610.6	626.6	679.8	711.0	684.6
30°	913.1	913.5	888.3	831.8	756.6	674.2	659.4	673.4	719.4	752.2	720.2
32.5°	1025.1	1028.7	1001.1	950.3	867.8	780.2	729.4	731.8	770.2	805.8	767.0
35°	1129.1	1131.9	1112.7	1069.5	992.7	891.1	827.0	825.8	846.6	883.1	832.2
37.5°	1245.6	1248.4	1229.5	1190.7	1118.7	1017.9	937.9	936.3	944.7	974.3	916.3
40°	1369.6	1374.8	1354.0	1321.2	1252.4	1167.1	1066.7	1052.3	1043.9	1078.7	1025.1
42.5°	1495.2	1503.2	1496.0	1463.2	1404.4	1334.0	1234.0	1211.5	1193.5	1237.2	1180.3
45°	1651.3	1660.9	1657.7	1632.5	1586.9	1529.6	1435.2	1409.2	1400.8	1441.2	1373.6
47.5°	1801.3	1811.7	1823.3	1817.7	1785.3	1758.9	1654.1	1639.3	1636.9	1680.1	1575.2
50°	1912.9	1922.5	1967.0	1999.0	2021.0	2015.4	1924.5	1902.5	1898.9	1926.5	1788.1
52.5°	1993.0	2002.2	2063.4	2163.4	2244.2	2288.3	2196.6	2191.8	2172.2	2162.6	1987.4
55°	2055.0	2067.8	2132.2	2283.4	2446.3	2543.9	2486.7	2469.5	2419.1	2363.9	2172.2
57.5°	2067.4	2072.6	2163.4	2367.5	2603.1	2761.2	2761.2	2731.2	2633.9	2557.5	2385.9
60°	1956.2	1972.2	2095.0	2360.7	2670.4	2903.2	2988.8	2968.0	2836.8	2742.8	2591.5
62.5°	1709.3	1727.3	1876.9	2197.8	2603.1	2932.4	3161.3	3158.1	3010.1	2896.0	2762.0
65°	1310.8	1324.0	1454.4	1838.5	2319.1	2820.0	3284.5	3293.3	3146.9	2997.3	2820.8
67.5°	658.6	667.8	808.6	1256.0	1838.1	2496.3	3276.1	3315.3	3188.5	2943.6	2596.3
70°	230.1	239.3	305.7	539.0	1118.7	1906.1	2992.9	3056.9	2944.0	2512.7	1915.3
72.5°	78.8	83.2	126.8	200.1	435.3	1129.9	2275.8	2372.3	2170.2	1686.9	1100.7
75°	44.8	47.6	68.0	108.4	182.5	371.7	1291.2	1350.4	1265.2	919.5	452.9
77.5°	30.4	32.8	42.4	61.6	100.8	119.6	526.5	663.0	578.2	300.1	115.6
80°	18.0	19.6	26.0	36.4	51.6	46.4	112.8	150.0	193.3	89.6	34.8
82.5°	8.4	9.6	16.8	24.0	26.0	19.6	33.2	40.4	54.4	44.0	14.4
85°	0.0	0.0	5.6	10.0	9.6	5.6	9.2	10.0	14.8	22.0	5.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	2.4	4.4	2.4
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°	446.5	446.5	446.5	446.5	446.5	446.5	446.5	446.5	446.5	446.5	446.5
2.5°	448.1	445.3	448.5	446.9	448.5	448.1	444.9	442.9	442.9	439.3	438.1
5°	453.7	450.9	451.7	448.1	447.3	445.3	441.3	439.7	439.7	436.1	434.9
7.5°	466.1	461.7	460.9	453.7	450.5	444.9	437.7	434.9	434.5	430.9	429.7
10°	485.7	480.5	476.9	467.7	458.5	447.3	432.1	419.3	412.1	402.5	401.7
12.5°	509.7	503.3	497.7	483.7	468.5	443.3	398.5	351.7	322.9	300.1	301.7
15°	536.6	530.6	521.7	500.5	469.3	403.7	310.1	238.1	202.9	184.1	183.3
17.5°	565.8	557.0	542.6	513.7	444.1	308.5	201.7	142.4	124.0	117.6	116.0
20°	593.0	582.2	564.2	516.5	371.3	208.9	126.0	110.4	107.2	105.2	105.2
22.5°	621.8	608.2	581.4	494.9	276.1	133.6	107.2	103.6	101.2	98.4	98.0
25°	651.0	633.4	597.0	438.5	180.9	105.2	100.4	96.4	92.0	87.6	86.4
27.5°	675.8	653.0	609.0	354.5	116.0	94.8	91.6	84.8	78.8	74.0	73.2
30°	705.4	676.2	614.2	259.3	91.2	83.6	78.8	71.6	64.4	59.6	58.0
32.5°	745.0	713.0	606.2	168.8	80.8	73.6	66.0	57.6	50.4	45.2	44.4
35°	806.6	768.6	569.4	107.6	73.2	63.6	54.4	45.6	39.6	35.6	34.8
37.5°	881.9	846.6	508.9	80.8	65.6	55.2	44.4	36.0	31.6	28.8	28.0
40°	993.5	944.3	434.1	70.8	58.0	46.8	36.4	29.6	26.4	24.0	23.2
42.5°	1138.3	1059.5	348.1	64.4	50.8	39.2	29.6	24.4	21.6	20.0	19.6
45°	1307.6	1171.9	257.3	58.0	44.0	32.4	24.4	20.0	18.0	16.8	16.4
47.5°	1480.8	1270.4	177.7	51.2	37.6	26.8	20.4	17.2	15.6	14.0	13.6
50°	1665.7	1353.6	121.2	44.4	32.0	22.0	17.6	15.6	13.6	12.4	12.0
52.5°	1801.3	1384.4	84.4	38.4	27.2	18.8	15.6	14.0	12.4	10.8	10.4
55°	1926.5	1383.6	64.0	32.4	23.2	16.4	14.0	12.4	10.8	9.6	9.2
57.5°	2051.4	1372.8	50.4	27.6	20.0	14.8	12.4	10.8	10.0	8.4	8.0
60°	2132.2	1332.0	39.2	23.2	17.2	12.8	10.8	9.6	8.4	7.2	6.8
62.5°	2175.0	1275.2	30.0	18.4	14.0	11.2	9.6	8.4	7.2	6.0	5.6
65°	2117.0	1174.3	23.6	14.4	10.8	9.6	8.0	6.8	5.6	4.4	4.0
67.5°	1859.7	990.3	18.4	11.6	8.4	7.2	6.8	5.6	4.0	3.2	2.8
70°	1314.4	678.2	14.4	8.8	6.4	5.6	5.2	4.4	3.2	2.4	2.0
72.5°	721.4	342.1	10.4	6.4	4.8	4.4	4.0	3.6	2.8	2.0	2.0
75°	277.7	94.0	7.6	4.4	3.2	3.2	2.8	2.8	2.4	1.6	1.6
77.5°	72.4	28.0	4.8	2.8	2.0	2.0	2.0	1.6	1.6	1.2	1.2
80°	23.2	9.2	2.8	2.0	1.6	1.2	1.2	0.8	1.2	0.8	0.8
82.5°	7.6	3.2	1.6	1.6	1.2	0.8	0.8	0.4	0.4	0.0	0.0
85°	2.8	1.6	1.2	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0
87.5°	1.6	0.8	0.8	0.8	0.8	0.4	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)