

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: P630470

Luminaire Tested: GWS-SA1D-760-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630470
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-SA1D-760-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3837 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

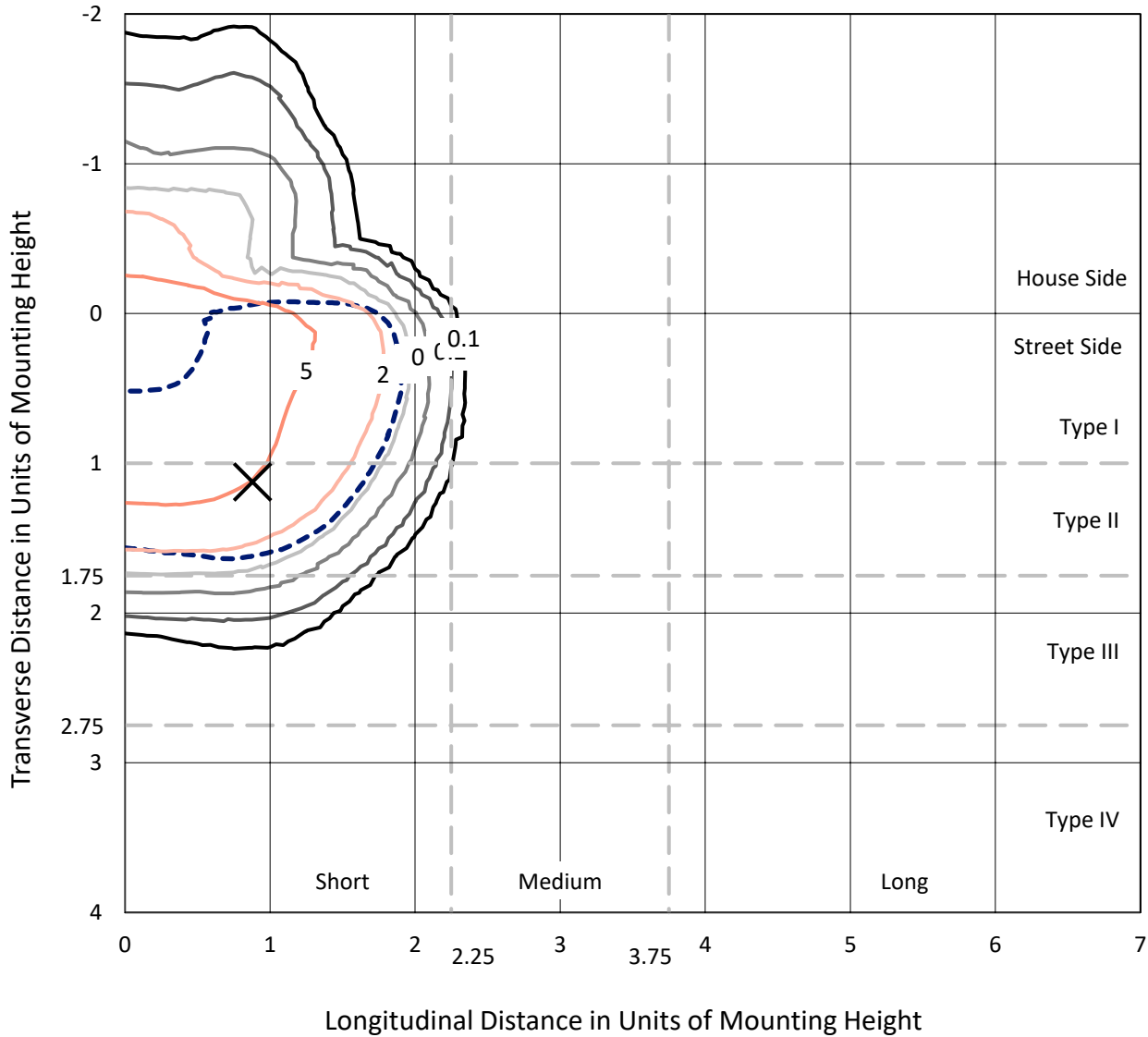
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

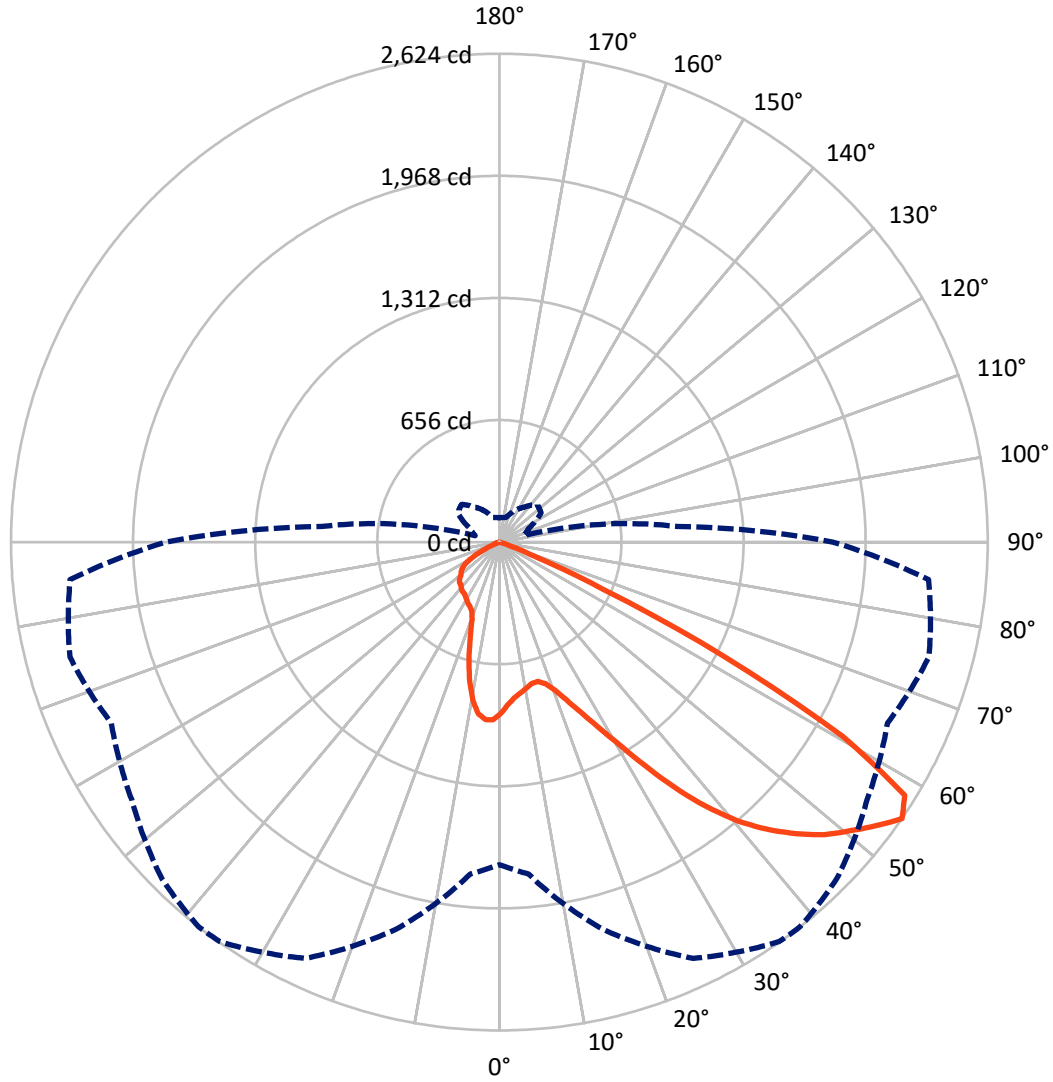
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	747.6	0.0	747.6
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	3089.4	0.0	3089.4
	% Fixture	80.5	0.0	80.5
Total	Lumens	3837.0	0.0	3837.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	2.2
10°-20°	229.0	6.0
20°-30°	393.1	10.2
30°-40°	651.9	17.0
40°-50°	958.3	25.0
50°-60°	1119.8	29.2
60°-70°	379.6	9.9
70°-80°	19.4	0.5
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°	3837.0	100.0
0°-180°	3837.0	100.0

Coefficient of Utilization



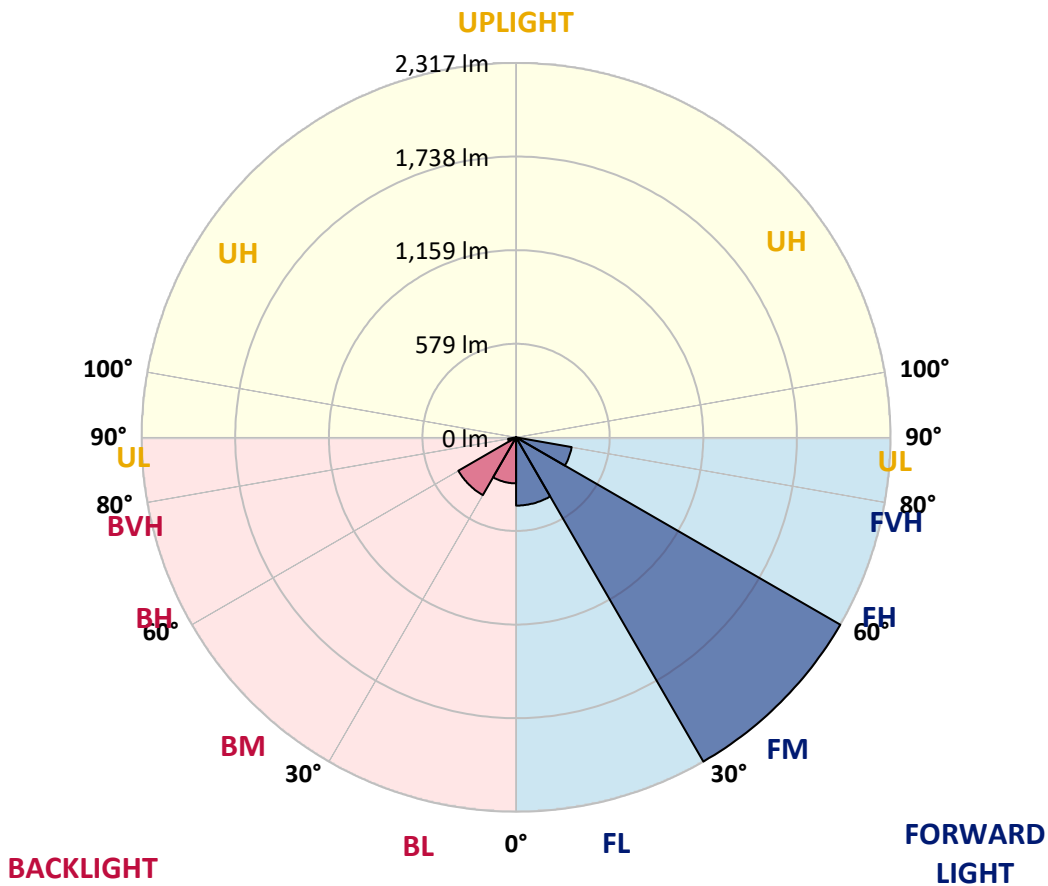
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.4	11.0			
FM (30°-60°)	2317.4	60.4			
FH (60°-80°)	349.2	9.1			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	284.8	7.4	B1/500		
BM (30°-60°)	412.6	10.8	B1/1000		
BH (60°-80°)	49.8	1.3	B0/110		G0/110
BVH (80°-90°)	0.4	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°	38°	45°	55°	65°	75°	85°
0°	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1
2.5°	857.0	855.2	858.7	865.8	872.3	874.5	881.1	890.3	896.0	909.6	920.6
5°	818.4	817.5	821.0	827.2	835.9	839.0	849.1	864.4	879.8	903.5	926.7
7.5°	783.3	782.9	788.1	801.7	814.4	818.4	830.7	849.5	870.1	906.5	940.8
10°	737.3	737.7	747.8	767.1	790.3	798.2	818.0	845.1	871.9	918.8	966.2
12.5°	722.3	723.2	728.5	743.4	768.8	778.9	806.5	847.8	882.0	936.4	999.1
15°	758.7	758.7	754.4	756.1	767.5	776.7	805.7	856.5	899.1	957.4	1031.5
17.5°	829.4	826.7	815.8	800.8	796.9	800.0	823.2	875.4	923.2	982.0	1068.4
20°	925.0	925.8	904.4	873.2	848.2	847.8	861.8	908.7	957.9	1011.4	1108.3
22.5°	1040.8	1037.2	1008.7	966.2	922.8	919.3	925.0	959.6	1007.9	1057.9	1157.4
25°	1175.0	1173.2	1132.9	1075.8	1018.4	1010.1	1010.1	1044.3	1079.3	1124.1	1216.2
27.5°	1315.3	1315.3	1276.3	1210.5	1134.2	1119.3	1117.1	1157.4	1180.7	1189.4	1265.7
30°	1459.6	1457.8	1419.2	1351.7	1270.1	1254.8	1248.6	1278.5	1295.1	1268.8	1327.6
32.5°	1606.1	1609.2	1570.1	1507.4	1434.6	1424.5	1405.7	1405.7	1419.2	1382.4	1424.9
35°	1763.5	1762.7	1732.0	1689.4	1627.1	1615.7	1584.6	1535.9	1556.5	1540.3	1559.6
37.5°	1902.6	1909.1	1894.2	1862.7	1812.2	1800.8	1749.5	1661.3	1677.1	1702.6	1719.7
40°	2043.8	2049.0	2064.0	2053.9	1990.3	1969.2	1878.0	1733.3	1750.8	1838.1	1887.2
42.5°	2182.4	2185.0	2215.3	2231.9	2146.9	2110.0	1975.4	1777.1	1795.5	1944.2	2030.2
45°	2270.5	2276.2	2326.2	2377.1	2285.0	2234.6	2060.0	1833.3	1841.2	2017.9	2135.9
47.5°	2267.0	2280.2	2374.0	2466.6	2403.9	2349.5	2161.8	1923.2	1910.0	2087.2	2205.6
50°	2196.4	2212.2	2346.8	2493.8	2489.4	2438.9	2274.9	2053.4	2012.2	2148.6	2214.4
52.5°	2049.9	2095.5	2299.0	2497.3	2558.2	2532.8	2414.8	2228.9	2150.4	2236.8	2228.4
55°	1733.3	1789.4	2153.9	2467.5	2620.5	2623.6	2561.7	2411.8	2300.4	2388.5	2314.8
57.5°	1315.7	1360.5	1657.8	2196.4	2517.5	2567.9	2618.8	2508.2	2392.9	2492.0	2335.0
60°	793.0	844.7	1038.1	1611.8	2033.3	2119.2	2318.8	2297.3	2158.3	2200.8	1914.8
62.5°	321.5	348.7	479.4	888.1	1279.8	1360.0	1551.3	1583.7	1549.5	1506.1	1161.4
65°	117.5	128.5	192.1	367.1	588.6	618.0	718.8	776.3	823.7	701.3	432.0
67.5°	72.8	79.8	125.0	188.6	214.0	199.1	202.6	241.7	230.7	142.5	77.2
70°	53.9	59.6	97.8	130.7	86.4	66.7	45.2	48.2	43.4	38.2	37.7
72.5°	37.3	42.5	73.2	77.2	33.3	23.7	16.7	23.2	26.3	25.9	26.8
75°	24.6	28.5	46.1	30.3	8.3	6.6	5.7	12.3	15.8	15.8	16.2
77.5°	14.5	16.7	16.2	6.1	1.8	1.8	1.3	2.2	3.5	3.9	4.8
80°	1.8	1.3	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.3
82.5°	0.4	0.4	0.4	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3
85°	0.0	0.0	0.4	0.4	0.9	0.9	0.9	0.9	0.9	1.3	1.3
87.5°	0.0	0.0	0.4	0.4	0.9	0.9	0.9	0.9	0.9	1.3	1.3
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°	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1
2.5°	928.9	925.8	938.6	947.8	955.2	958.7	953.9	953.5	953.5	943.8	941.2
5°	939.9	941.2	959.2	967.1	968.4	964.0	953.0	945.6	941.2	931.1	925.4
7.5°	960.9	965.3	982.4	981.1	969.3	949.1	920.1	897.8	883.3	867.5	857.9
10°	991.2	999.5	1010.1	991.6	953.9	902.6	843.0	800.4	775.0	757.0	746.0
12.5°	1028.0	1036.4	1032.9	989.4	910.9	819.3	742.5	681.1	651.7	635.5	624.1
15°	1065.3	1070.6	1047.8	963.1	835.1	711.8	626.3	565.3	529.4	516.2	506.6
17.5°	1103.5	1102.2	1050.4	911.4	733.7	590.8	506.6	464.9	454.8	452.6	451.7
20°	1143.4	1131.5	1039.9	837.3	611.8	471.0	423.2	425.9	444.3	453.1	454.8
22.5°	1189.0	1159.2	1013.6	736.8	487.3	392.5	397.4	423.2	448.2	460.1	461.8
25°	1237.7	1184.6	969.7	607.9	384.2	361.0	389.5	419.3	446.0	460.5	462.3
27.5°	1269.7	1190.7	897.8	478.1	329.8	348.7	378.9	407.4	435.1	450.9	453.1
30°	1304.3	1188.1	800.0	368.4	311.4	338.1	364.5	390.3	415.8	433.3	435.1
32.5°	1355.2	1186.4	680.7	299.1	303.9	329.8	349.1	370.6	388.1	398.2	396.9
35°	1421.9	1184.2	541.6	269.7	299.6	323.2	338.6	348.7	329.4	323.2	324.5
37.5°	1507.4	1189.4	424.5	257.4	298.2	321.5	334.6	305.7	275.9	264.5	262.7
40°	1602.1	1203.0	323.7	252.6	302.6	325.9	319.7	271.9	235.1	212.7	207.9
42.5°	1697.3	1217.9	256.1	250.9	310.1	338.1	295.2	247.4	192.1	179.4	177.6
45°	1767.9	1215.3	221.5	247.8	316.7	345.2	288.6	212.3	171.5	165.8	166.2
47.5°	1803.4	1186.4	202.6	240.8	319.3	338.1	272.4	197.8	157.5	163.6	168.9
50°	1784.6	1111.4	185.1	227.2	313.6	328.9	246.5	186.8	150.4	175.9	187.7
52.5°	1761.8	1019.3	165.8	206.1	300.0	316.2	236.4	183.8	146.0	169.7	178.5
55°	1792.0	960.9	134.2	173.7	273.2	286.4	228.5	183.3	136.0	132.0	130.7
57.5°	1749.5	844.7	96.0	125.0	209.6	226.7	222.8	180.3	120.6	120.2	121.9
60°	1352.1	515.3	65.8	79.4	128.5	144.7	202.2	172.4	103.9	95.6	96.0
62.5°	768.4	219.3	45.2	49.1	65.8	78.1	154.4	156.6	96.0	91.2	96.0
65°	267.5	78.5	35.1	32.9	36.4	41.7	88.6	121.0	87.3	78.9	79.8
67.5°	55.3	39.0	31.1	27.2	27.2	27.2	45.2	75.4	71.9	62.7	63.6
70°	35.1	33.3	27.2	23.2	22.4	20.6	25.9	41.7	49.6	45.6	46.1
72.5°	25.9	25.4	21.5	18.9	16.7	14.9	16.2	20.6	25.4	26.3	26.8
75°	15.8	16.2	14.0	11.8	10.5	9.2	9.6	9.6	9.6	8.8	9.6
77.5°	4.8	5.3	4.4	3.5	3.1	3.1	3.1	2.6	2.2	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	0.9	0.9	0.4	0.4	0.0	0.0
82.5°	1.3	1.3	1.3	1.3	0.9	0.9	0.4	0.4	0.0	0.0	0.0
85°	1.3	1.3	1.3	1.3	0.9	0.9	0.4	0.4	0.0	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	0.9	0.9	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)