

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: P630631

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630631  
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-SA1E-722-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

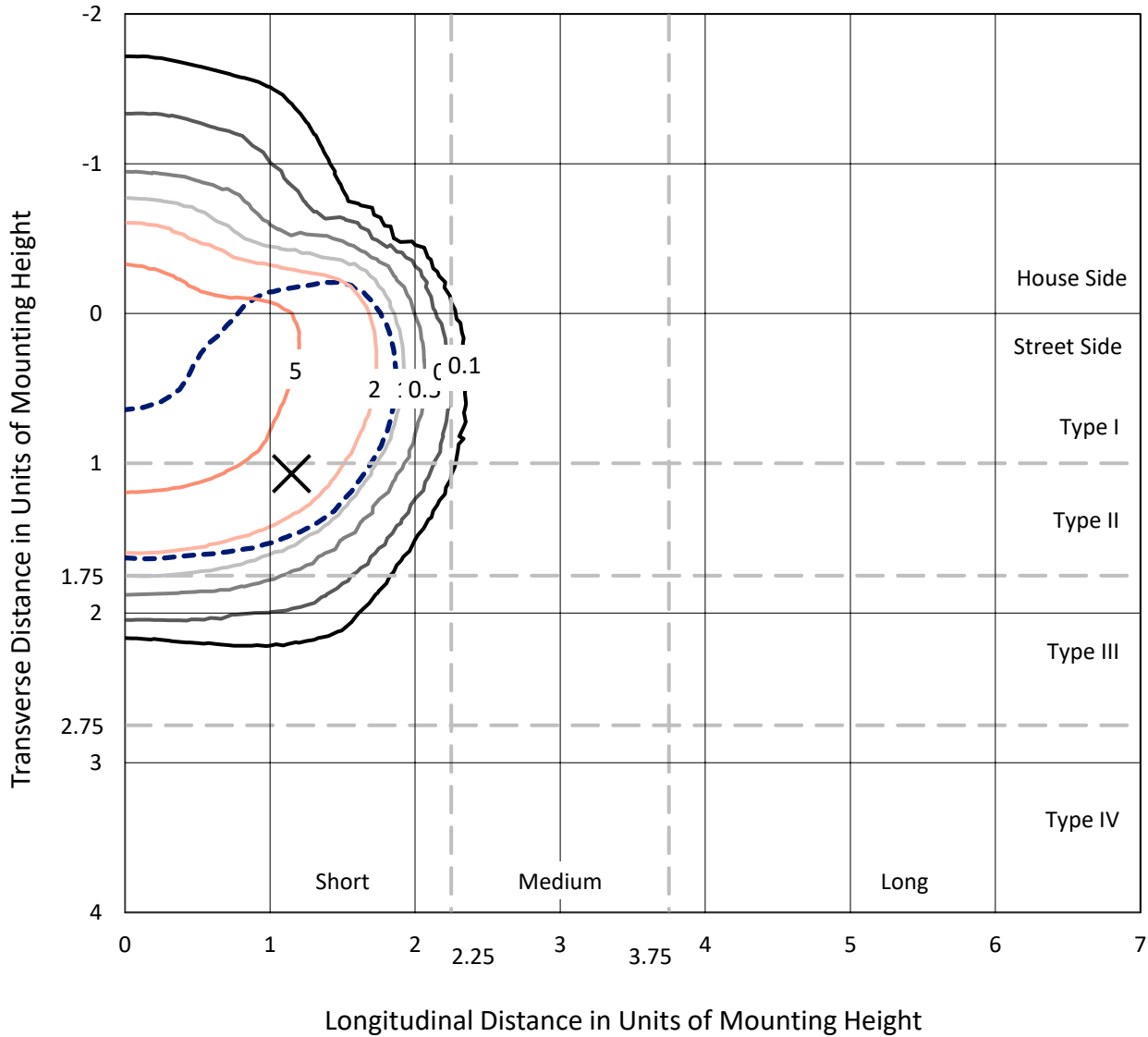
Lumens per Lamp: N/A  
Luminaire Lumens: 3446.7 lumens  
Efficiency: N/A  
Efficacy: 59.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

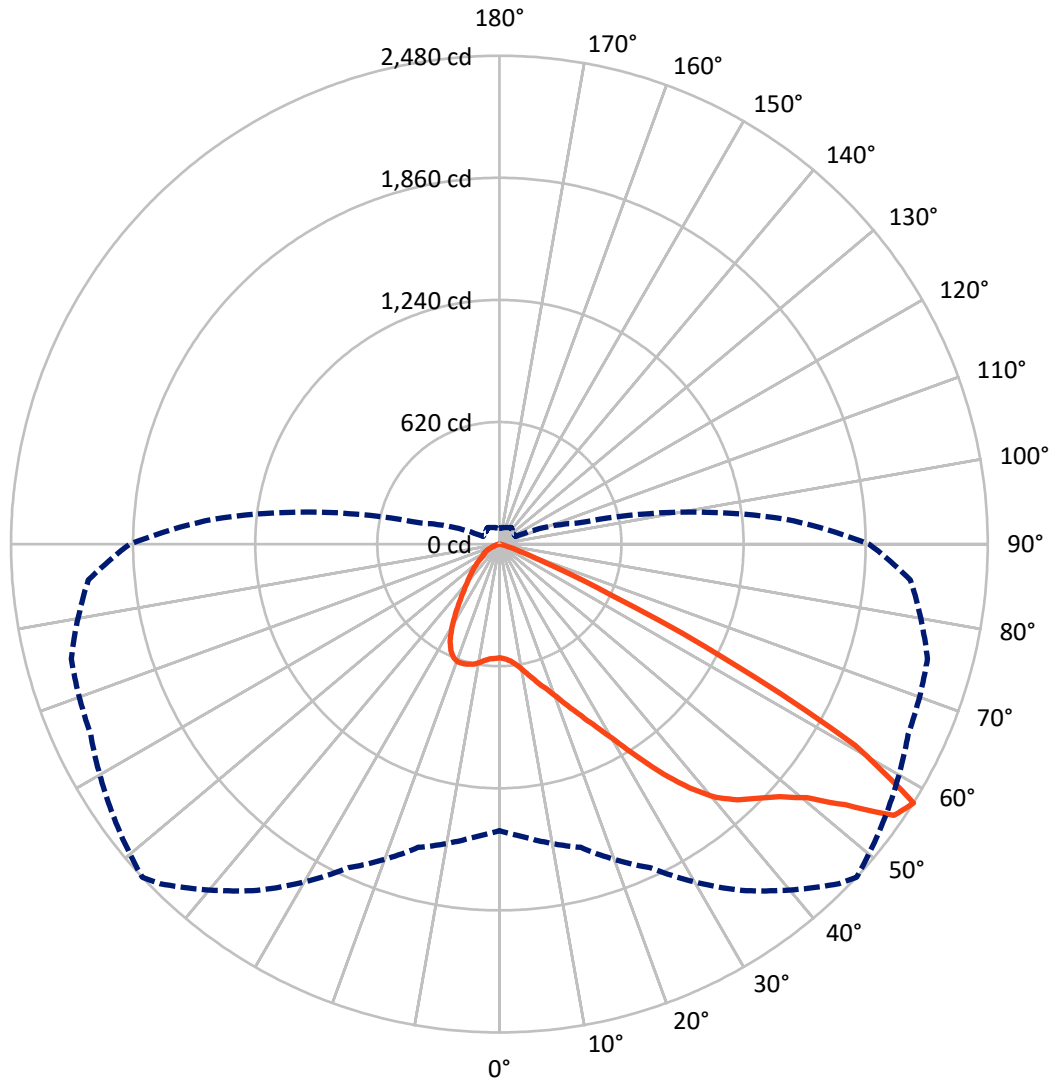
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 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
<b>House Side</b>	Lumens	747.7	0.0	747.7
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	2698.9	0.0	2698.9
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	3446.7	0.0	3446.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.4	1.7
10°-20°	193.7	5.6
20°-30°	359.6	10.4
30°-40°	575.7	16.7
40°-50°	841.6	24.4
50°-60°	1038.6	30.1
60°-70°	347.0	10.1
70°-80°	32.3	0.9
80°-90°	0.7	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°	3446.7	100.0
0°-180°	3446.7	100.0

**Coefficient of Utilization**



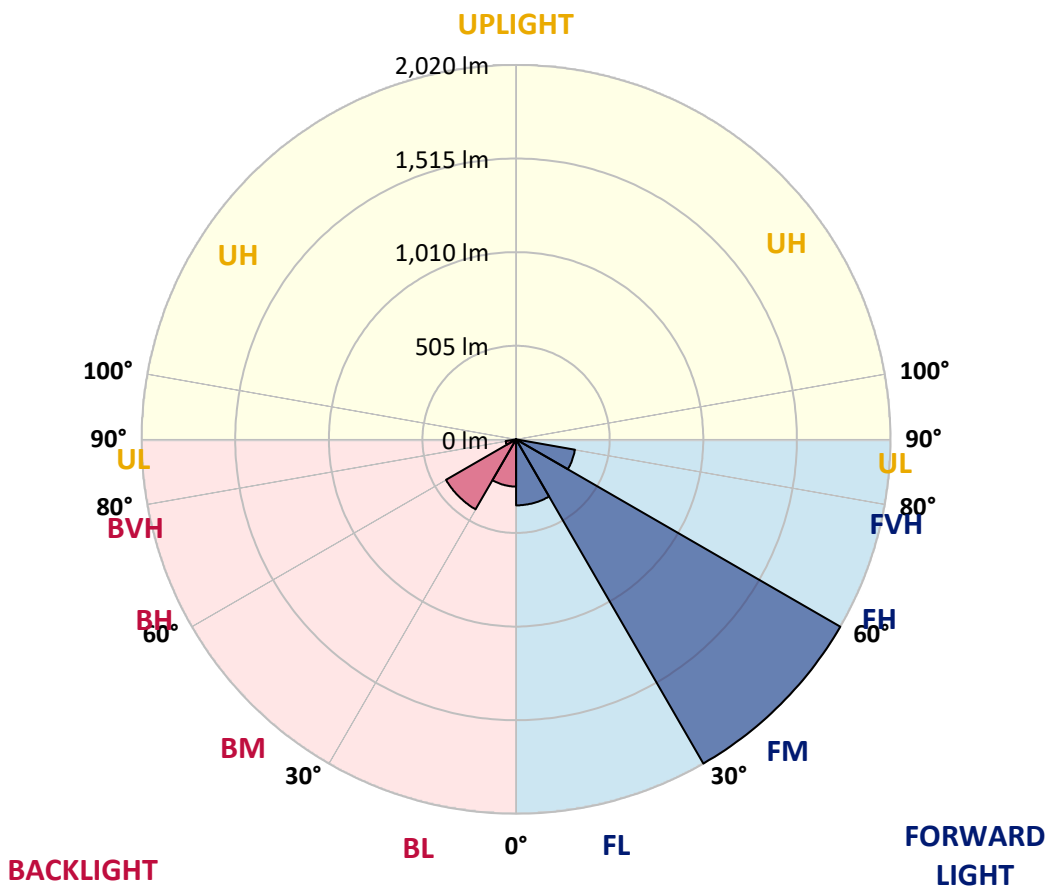
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	356.2	10.3			
FM (30°-60°)	2019.7	58.6			
FH (60°-80°)	322.5	9.4			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	254.5	7.4	B1/500		
BM (30°-60°)	436.2	12.7	B1/1000		
BH (60°-80°)	56.8	1.6	B0/110		G0/110
BVH (80°-90°)	0.2	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°	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0
2.5°	583.0	582.6	582.2	584.6	583.8	583.4	584.2	584.2	584.2	581.8	577.0
5°	597.0	597.0	596.6	599.0	597.0	595.8	596.2	596.2	594.6	590.2	584.2
7.5°	619.0	618.2	617.4	619.8	617.8	617.4	618.2	615.8	613.0	605.8	597.4
10°	650.6	650.6	649.4	651.8	650.2	649.4	649.4	647.8	642.6	631.4	619.0
12.5°	694.2	692.2	689.4	687.4	686.6	686.2	686.6	684.2	678.6	664.2	647.0
15°	741.8	740.2	735.8	732.6	728.2	727.4	729.8	727.8	722.2	702.6	678.2
17.5°	801.9	803.9	792.6	785.8	773.0	772.2	773.0	776.2	772.2	747.0	711.4
20°	853.1	854.7	846.3	841.5	829.9	824.7	826.3	831.5	827.1	797.5	747.8
22.5°	907.9	909.9	901.1	891.1	885.9	885.9	891.9	899.1	893.1	854.3	789.4
25°	973.5	975.1	967.9	954.7	945.5	957.1	965.9	985.1	975.1	922.3	838.7
27.5°	1048.7	1049.1	1038.7	1025.1	1020.3	1041.9	1050.7	1080.3	1076.3	998.7	890.7
30°	1129.2	1129.6	1127.2	1118.0	1113.5	1142.0	1154.0	1196.8	1194.0	1093.5	961.5
32.5°	1212.8	1212.8	1217.2	1216.4	1221.6	1268.0	1287.2	1336.0	1333.2	1209.6	1049.5
35°	1296.8	1297.2	1304.8	1324.0	1345.6	1407.2	1432.5	1491.7	1485.3	1348.4	1162.0
37.5°	1392.4	1388.4	1398.8	1427.6	1475.7	1546.9	1570.9	1627.3	1620.1	1490.5	1308.8
40°	1507.7	1500.5	1500.5	1534.1	1588.5	1670.5	1690.9	1718.9	1694.5	1605.3	1452.9
42.5°	1634.9	1628.1	1619.3	1648.9	1694.5	1758.6	1775.4	1767.8	1747.7	1713.7	1616.9
45°	1763.8	1753.4	1759.4	1777.4	1803.8	1834.2	1840.6	1805.4	1796.2	1805.8	1752.6
47.5°	1861.8	1854.6	1869.4	1894.6	1916.2	1920.6	1916.2	1867.4	1866.6	1900.6	1846.6
50°	1894.6	1895.4	1936.2	1991.4	2026.2	2029.8	2023.8	1967.8	1960.2	1970.2	1897.4
52.5°	1897.8	1901.0	1960.6	2065.8	2160.7	2203.9	2199.1	2138.7	2064.2	2053.4	1974.2
55°	1820.6	1839.4	1922.6	2076.3	2277.9	2416.0	2432.0	2316.3	2205.9	2196.7	2139.5
57.5°	1455.3	1493.7	1594.1	1813.0	2147.1	2438.0	2479.6	2396.4	2289.5	2250.3	2095.1
60°	869.9	917.5	1013.9	1282.4	1634.1	2003.8	2075.5	2087.1	2037.8	1924.6	1607.3
62.5°	373.3	369.3	488.2	693.8	971.9	1273.6	1306.0	1356.4	1399.2	1280.8	975.5
65°	128.0	139.2	193.7	312.9	486.6	591.4	620.2	665.4	726.2	599.4	357.3
67.5°	79.2	84.0	111.6	184.9	262.5	258.5	245.7	238.5	232.1	158.8	98.0
70°	57.6	61.6	78.4	127.2	176.5	124.0	107.6	87.2	96.8	89.2	69.6
72.5°	38.8	42.0	54.0	77.2	90.4	60.4	56.0	63.6	76.8	73.2	56.8
75°	23.2	25.2	30.8	37.6	36.8	31.2	31.6	44.8	58.8	54.8	40.4
77.5°	16.0	16.8	20.4	24.4	18.0	9.6	8.8	12.4	20.0	20.0	13.6
80°	4.0	5.2	5.2	3.2	2.8	2.4	2.4	3.6	5.6	4.0	2.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
87.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
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°	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0
2.5°	579.8	575.0	578.2	577.4	579.8	580.6	577.0	576.2	576.6	571.8	570.2
5°	585.4	579.8	581.4	579.8	582.6	585.0	583.8	585.4	587.4	583.8	582.2
7.5°	597.4	591.8	591.4	589.0	593.0	594.6	594.2	598.6	602.6	600.2	597.8
10°	618.2	610.6	609.8	607.8	609.0	610.2	605.8	606.6	610.2	607.4	606.2
12.5°	643.8	634.6	632.6	627.8	627.8	621.8	612.2	610.2	613.0	611.0	609.0
15°	671.4	659.0	655.8	647.4	639.4	628.2	618.2	615.8	617.8	615.4	613.8
17.5°	702.2	688.2	677.8	663.0	645.4	632.2	621.0	615.8	612.6	607.8	607.4
20°	732.6	714.2	696.6	673.0	649.8	629.8	611.4	597.8	586.2	579.0	576.2
22.5°	767.8	740.6	712.2	679.0	645.8	615.4	583.0	559.8	539.8	533.0	529.8
25°	805.5	770.2	727.8	684.6	632.2	583.4	539.4	505.0	478.6	469.7	466.1
27.5°	847.1	798.7	743.8	683.4	604.2	537.8	479.4	436.5	410.5	402.5	405.3
30°	899.9	835.5	763.8	671.0	562.2	473.7	405.3	369.3	349.7	342.1	342.5
32.5°	970.3	888.3	793.0	644.6	508.2	400.9	340.9	314.5	301.3	291.3	290.5
35°	1071.1	968.7	820.3	602.2	442.5	336.1	292.5	271.7	253.3	241.7	243.7
37.5°	1192.0	1069.9	835.1	545.0	368.9	285.7	256.1	234.9	214.1	196.9	198.9
40°	1335.2	1202.4	833.9	469.7	301.7	251.3	225.7	200.9	174.9	159.3	160.9
42.5°	1494.9	1327.6	807.9	390.1	250.1	223.3	196.5	165.3	140.0	130.4	130.8
45°	1633.3	1429.2	762.2	307.7	210.5	196.1	166.1	134.0	122.8	116.0	115.6
47.5°	1735.7	1503.7	697.0	242.1	178.5	171.3	136.4	120.0	111.2	105.6	104.8
50°	1793.0	1529.7	625.0	189.7	150.8	145.2	122.0	108.8	102.8	99.2	98.4
52.5°	1869.8	1560.9	573.4	149.6	126.4	118.8	112.4	101.2	97.2	94.4	93.2
55°	1991.4	1621.3	528.6	118.8	105.2	103.6	106.0	96.8	94.4	90.0	88.4
57.5°	1877.0	1456.5	410.5	92.0	88.8	94.8	102.4	92.4	86.4	82.4	80.8
60°	1320.8	968.3	206.5	74.0	79.2	88.8	96.4	83.6	77.6	78.4	77.6
62.5°	728.2	484.6	92.8	62.0	68.8	78.4	82.4	72.4	68.4	75.2	76.4
65°	238.1	164.9	53.6	48.0	54.4	64.0	71.2	68.8	68.0	76.0	78.4
67.5°	73.2	54.4	36.4	34.4	37.6	47.2	60.0	74.4	80.0	82.4	83.6
70°	54.8	42.8	31.2	29.2	30.8	36.0	50.8	62.0	58.4	58.8	58.0
72.5°	44.0	34.0	26.8	25.6	25.6	24.8	26.8	33.6	38.0	40.0	40.0
75°	30.8	24.0	20.4	18.8	14.8	12.0	10.8	10.8	9.6	9.2	8.8
77.5°	10.4	8.8	8.0	6.4	4.4	3.6	3.2	2.8	2.0	1.2	0.8
80°	1.6	1.2	0.8	0.8	0.8	0.4	0.4	0.4	0.0	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	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)