

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: P629865

Luminaire Tested: GWS-SA1C-740-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629865  
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-SA1C-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

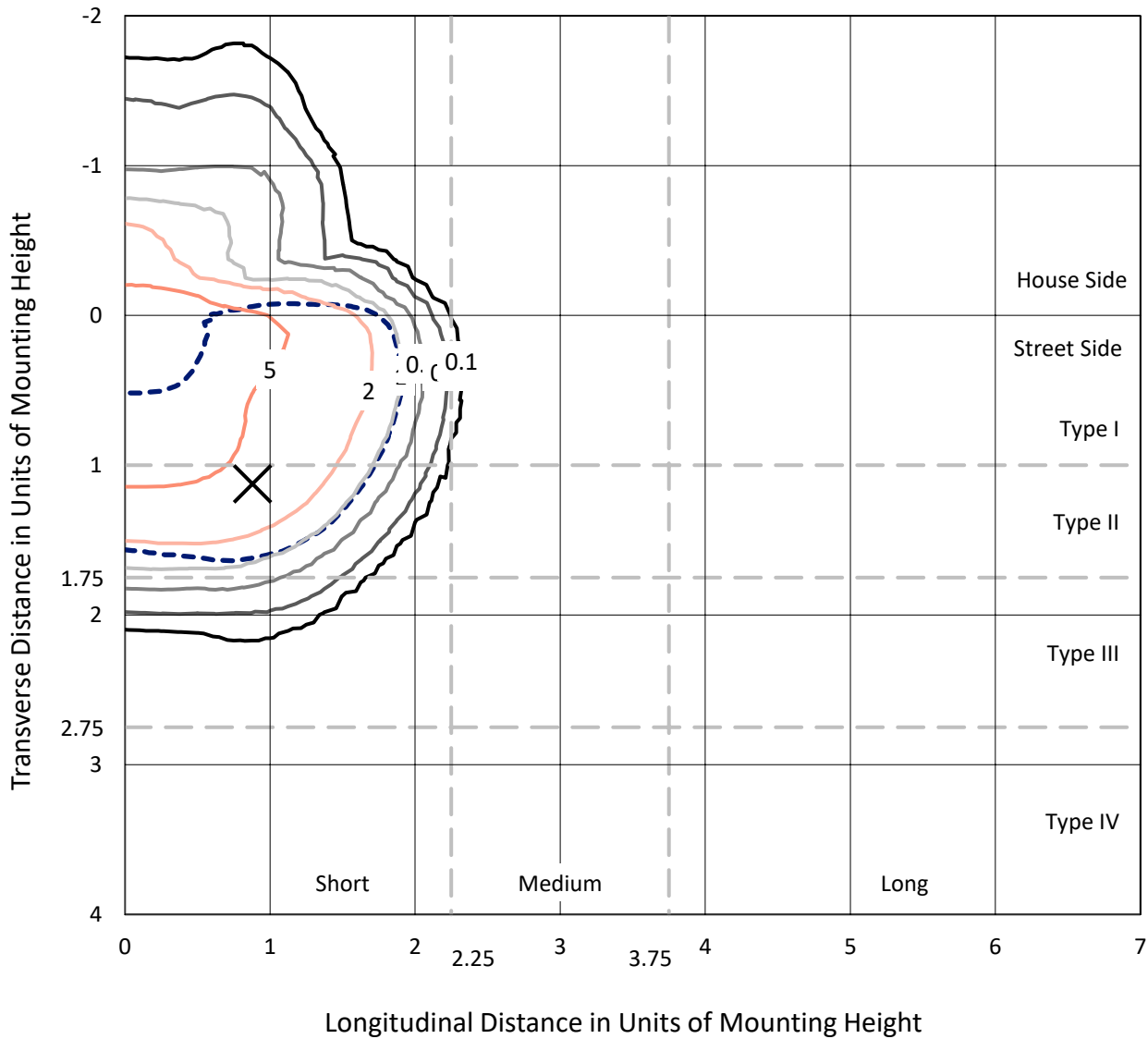
Lumens per Lamp: N/A  
Luminaire Lumens: 3014.6 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

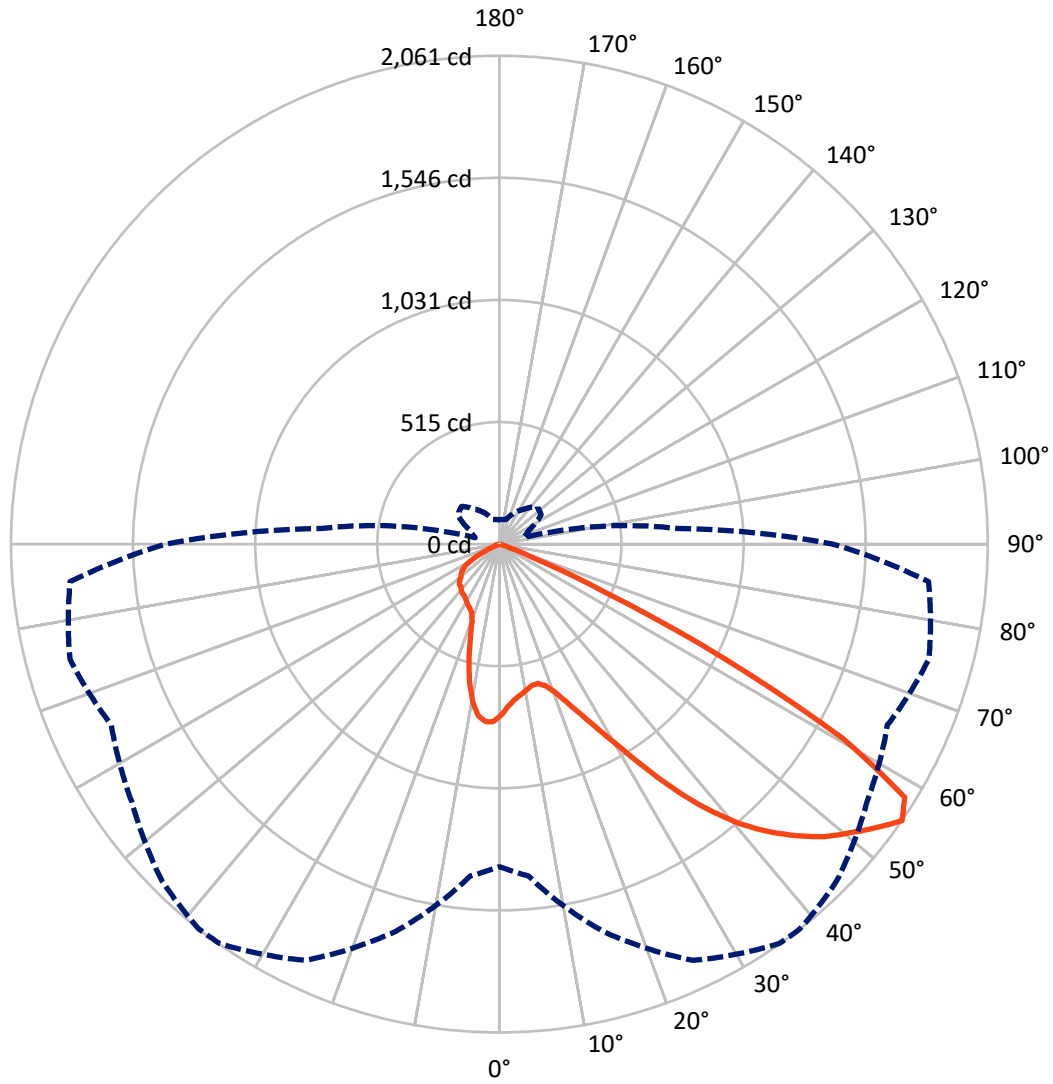
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 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
<b>House Side</b>	Lumens	587.3	0.0	587.3
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	2427.3	0.0	2427.3
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	3014.6	0.0	3014.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.8	2.2
10°-20°	180.0	6.0
20°-30°	308.8	10.2
30°-40°	512.2	17.0
40°-50°	752.9	25.0
50°-60°	879.8	29.2
60°-70°	298.2	9.9
70°-80°	15.2	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°	3014.6	100.0
0°-180°	3014.6	100.0

**Coefficient of Utilization**



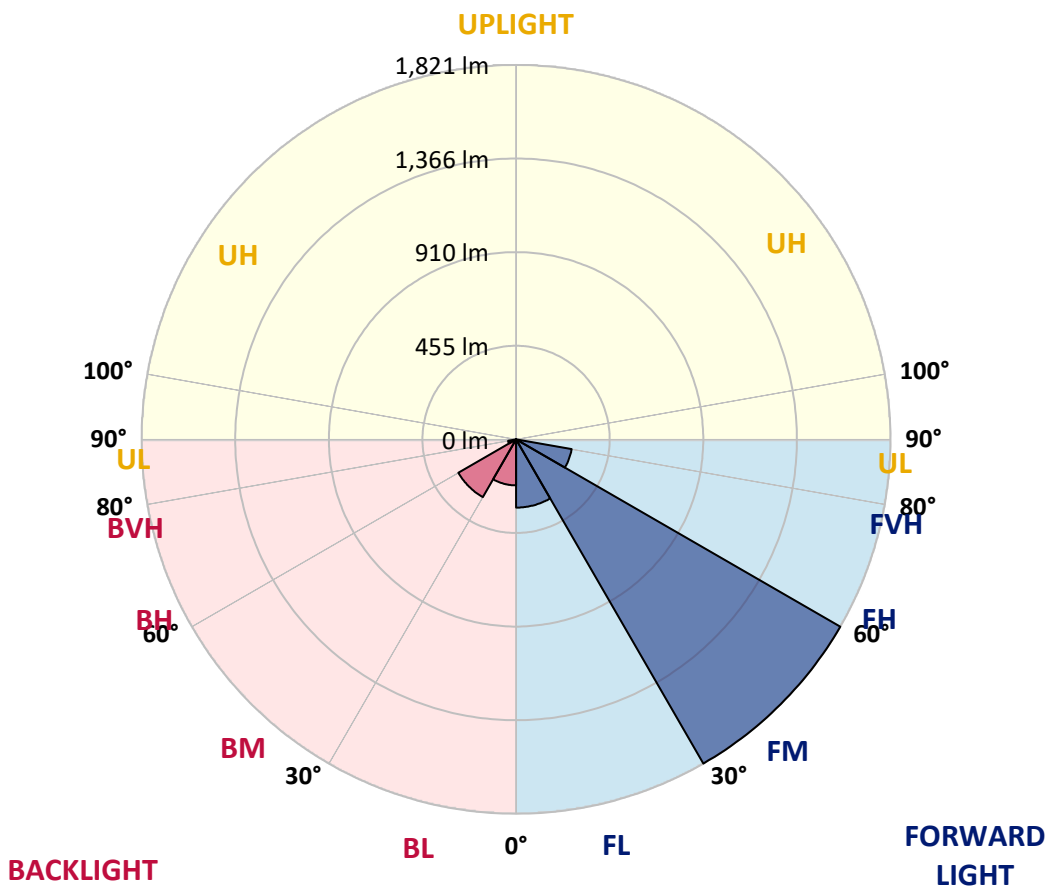
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	331.8	11.0			
FM (30°-60°)	1820.7	60.4			
FH (60°-80°)	274.4	9.1			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	223.8	7.4	B1/500		
BM (30°-60°)	324.2	10.8	B1/1000		
BH (60°-80°)	39.1	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9
2.5°	673.3	671.9	674.7	680.2	685.4	687.1	692.3	699.5	704.0	714.7	723.3
5°	643.0	642.3	645.0	649.9	656.8	659.2	667.1	679.2	691.2	709.8	728.1
7.5°	615.4	615.1	619.2	629.9	639.9	643.0	652.6	667.4	683.6	712.2	739.1
10°	579.2	579.6	587.5	602.7	620.9	627.1	642.6	664.0	685.0	721.9	759.1
12.5°	567.5	568.2	572.3	584.1	604.0	612.0	633.7	666.1	692.9	735.7	784.9
15°	596.1	596.1	592.7	594.1	603.0	610.2	633.0	673.0	706.4	752.2	810.4
17.5°	651.6	649.5	640.9	629.2	626.1	628.5	646.8	687.8	725.3	771.5	839.4
20°	726.7	727.4	710.5	686.1	666.4	666.1	677.1	714.0	752.6	794.6	870.7
22.5°	817.7	814.9	792.5	759.1	725.0	722.2	726.7	753.9	791.8	831.1	909.3
25°	923.1	921.7	890.0	845.2	800.1	793.6	793.6	820.4	848.0	883.2	955.5
27.5°	1033.4	1033.4	1002.7	951.0	891.1	879.4	877.6	909.3	927.6	934.5	994.5
30°	1146.8	1145.4	1115.1	1062.0	997.9	985.8	981.0	1004.4	1017.5	996.9	1043.0
32.5°	1261.8	1264.3	1233.6	1184.3	1127.1	1119.2	1104.4	1104.4	1115.1	1086.1	1119.5
35°	1385.5	1384.9	1360.7	1327.3	1278.4	1269.4	1245.0	1206.7	1222.9	1210.2	1225.3
37.5°	1494.8	1499.9	1488.2	1463.4	1423.8	1414.8	1374.5	1305.3	1317.7	1337.7	1351.1
40°	1605.7	1609.9	1621.6	1613.7	1563.7	1547.2	1475.5	1361.8	1375.6	1444.1	1482.7
42.5°	1714.6	1716.7	1740.5	1753.6	1686.7	1657.8	1552.0	1396.2	1410.7	1527.5	1595.1
45°	1783.9	1788.4	1827.6	1867.6	1795.3	1755.6	1618.5	1440.3	1446.5	1585.4	1678.1
47.5°	1781.1	1791.5	1865.2	1937.9	1888.6	1845.9	1698.4	1511.0	1500.6	1639.8	1732.9
50°	1725.6	1738.1	1843.8	1959.3	1955.8	1916.2	1787.3	1613.3	1580.9	1688.1	1739.8
52.5°	1610.6	1646.4	1806.3	1962.0	2009.9	1989.9	1897.2	1751.1	1689.5	1757.3	1750.8
55°	1361.8	1405.9	1692.2	1938.6	2058.9	2061.3	2012.7	1894.8	1807.3	1876.6	1818.7
57.5°	1033.7	1068.9	1302.5	1725.6	1977.9	2017.5	2057.5	1970.6	1880.0	1957.9	1834.5
60°	623.0	663.7	815.6	1266.3	1597.5	1665.0	1821.8	1804.9	1695.7	1729.1	1504.4
62.5°	252.6	273.9	376.6	697.8	1005.5	1068.5	1218.8	1244.3	1217.4	1183.3	912.4
65°	92.3	101.0	150.9	288.4	462.4	485.5	564.8	609.9	647.1	551.0	339.4
67.5°	57.2	62.7	98.2	148.2	168.2	156.4	159.2	189.9	181.2	112.0	60.6
70°	42.4	46.9	76.8	102.7	67.9	52.4	35.5	37.9	34.1	30.0	29.6
72.5°	29.3	33.4	57.5	60.6	26.2	18.6	13.1	18.3	20.7	20.3	21.0
75°	19.3	22.4	36.2	23.8	6.5	5.2	4.5	9.6	12.4	12.4	12.7
77.5°	11.4	13.1	12.7	4.8	1.4	1.4	1.0	1.7	2.8	3.1	3.8
80°	1.4	1.0	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0
82.5°	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0
85°	0.0	0.0	0.3	0.3	0.7	0.7	0.7	0.7	0.7	1.0	1.0
87.5°	0.0	0.0	0.3	0.3	0.7	0.7	0.7	0.7	0.7	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°	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9
2.5°	729.8	727.4	737.4	744.6	750.5	753.2	749.5	749.1	749.1	741.5	739.5
5°	738.4	739.5	753.6	759.8	760.8	757.4	748.8	742.9	739.5	731.5	727.1
7.5°	755.0	758.4	771.9	770.8	761.5	745.7	722.9	705.4	694.0	681.6	674.0
10°	778.7	785.3	793.6	779.1	749.5	709.1	662.3	628.9	608.9	594.7	586.1
12.5°	807.7	814.2	811.5	777.4	715.7	643.7	583.4	535.1	512.0	499.3	490.3
15°	837.0	841.1	823.2	756.7	656.1	559.2	492.1	444.2	415.9	405.6	398.0
17.5°	867.0	865.9	825.3	716.0	576.5	464.1	398.0	365.3	357.3	355.6	354.9
20°	898.3	889.0	817.0	657.8	480.7	370.1	332.5	334.6	349.1	355.9	357.3
22.5°	934.2	910.7	796.3	578.9	382.8	308.4	312.2	332.5	352.2	361.5	362.8
25°	972.4	930.7	761.9	477.6	301.9	283.6	306.0	329.4	350.4	361.8	363.2
27.5°	997.6	935.5	705.4	375.6	259.1	273.9	297.7	320.1	341.8	354.2	355.9
30°	1024.8	933.5	628.5	289.4	244.7	265.7	286.3	306.7	326.7	340.4	341.8
32.5°	1064.7	932.1	534.8	235.0	238.8	259.1	274.3	291.2	305.0	312.9	311.8
35°	1117.1	930.4	425.6	211.9	235.3	254.0	266.0	273.9	258.8	254.0	255.0
37.5°	1184.3	934.5	333.6	202.3	234.3	252.6	262.9	240.2	216.7	207.8	206.4
40°	1258.7	945.2	254.3	198.5	237.8	256.0	251.2	213.6	184.7	167.1	163.3
42.5°	1333.5	956.9	201.2	197.1	243.6	265.7	231.9	194.3	150.9	140.9	139.6
45°	1389.0	954.8	174.0	194.7	248.8	271.2	226.7	166.8	134.7	130.3	130.6
47.5°	1416.9	932.1	159.2	189.2	250.9	265.7	214.0	155.4	123.7	128.5	132.7
50°	1402.1	873.2	145.4	178.5	246.4	258.4	193.7	146.8	118.2	138.2	147.5
52.5°	1384.2	800.8	130.3	162.0	235.7	248.4	185.7	144.4	114.7	133.4	140.2
55°	1407.9	755.0	105.4	136.5	214.7	225.0	179.5	144.0	106.8	103.7	102.7
57.5°	1374.5	663.7	75.5	98.2	164.7	178.1	175.0	141.6	94.8	94.4	95.8
60°	1062.3	404.9	51.7	62.4	101.0	113.7	158.9	135.4	81.7	75.1	75.5
62.5°	603.7	172.3	35.5	38.6	51.7	61.3	121.3	123.0	75.5	71.7	75.5
65°	210.2	61.7	27.6	25.8	28.6	32.7	69.6	95.1	68.6	62.0	62.7
67.5°	43.4	30.7	24.5	21.4	21.4	21.4	35.5	59.3	56.5	49.3	50.0
70°	27.6	26.2	21.4	18.3	17.6	16.2	20.3	32.7	38.9	35.8	36.2
72.5°	20.3	20.0	16.9	14.8	13.1	11.7	12.7	16.2	20.0	20.7	21.0
75°	12.4	12.7	11.0	9.3	8.3	7.2	7.6	7.6	7.6	6.9	7.6
77.5°	3.8	4.1	3.4	2.8	2.4	2.4	2.4	2.1	1.7	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.3	0.3	0.0	0.0
82.5°	1.0	1.0	1.0	1.0	0.7	0.7	0.3	0.3	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	0.7	0.7	0.3	0.3	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	0.7	0.7	0.3	0.3	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)