

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: P630134

Luminaire Tested: GWS-SA1D-722-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3602.2 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

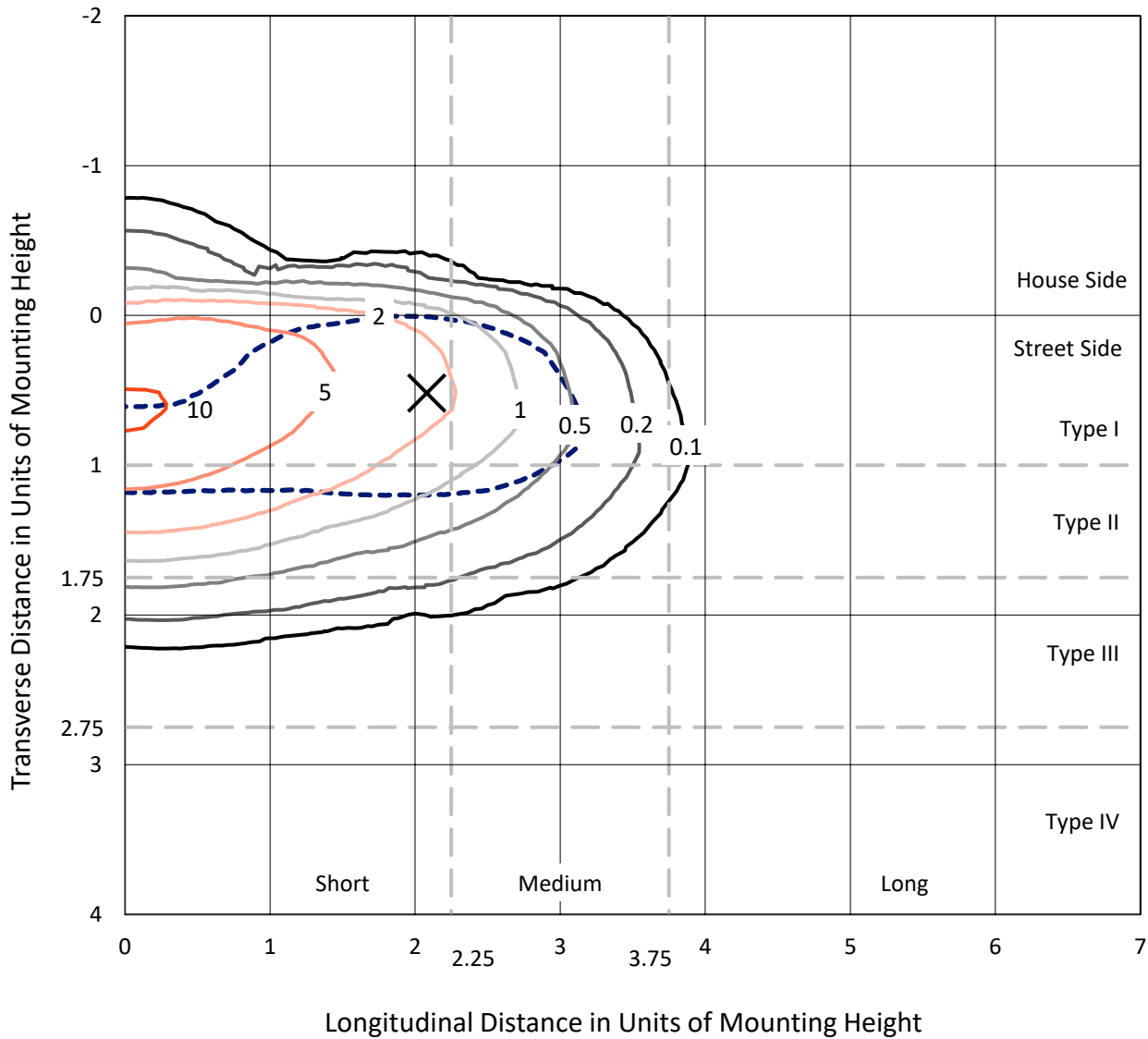
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

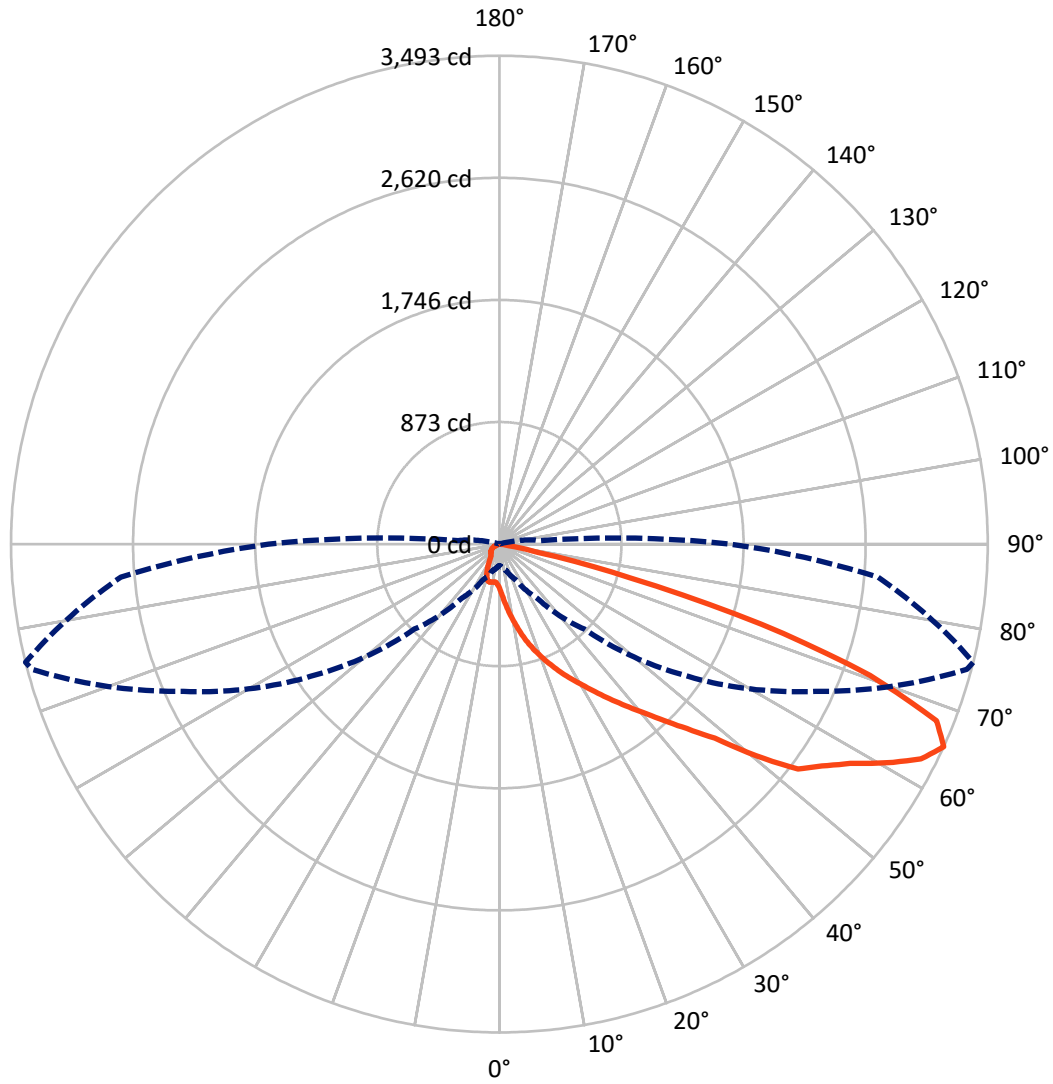
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	199.2	0.0	199.2
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	3403.0	0.0	3403.0
	% Fixture	94.5	0.0	94.5
Total	Lumens	3602.2	0.0	3602.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.8	1.1
10°-20°	147.2	4.1
20°-30°	300.4	8.3
30°-40°	534.2	14.8
40°-50°	789.7	21.9
50°-60°	904.1	25.1
60°-70°	689.8	19.1
70°-80°	193.2	5.4
80°-90°	4.9	0.1
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°	3602.2	100.0
0°-180°	3602.2	100.0

Coefficient of Utilization



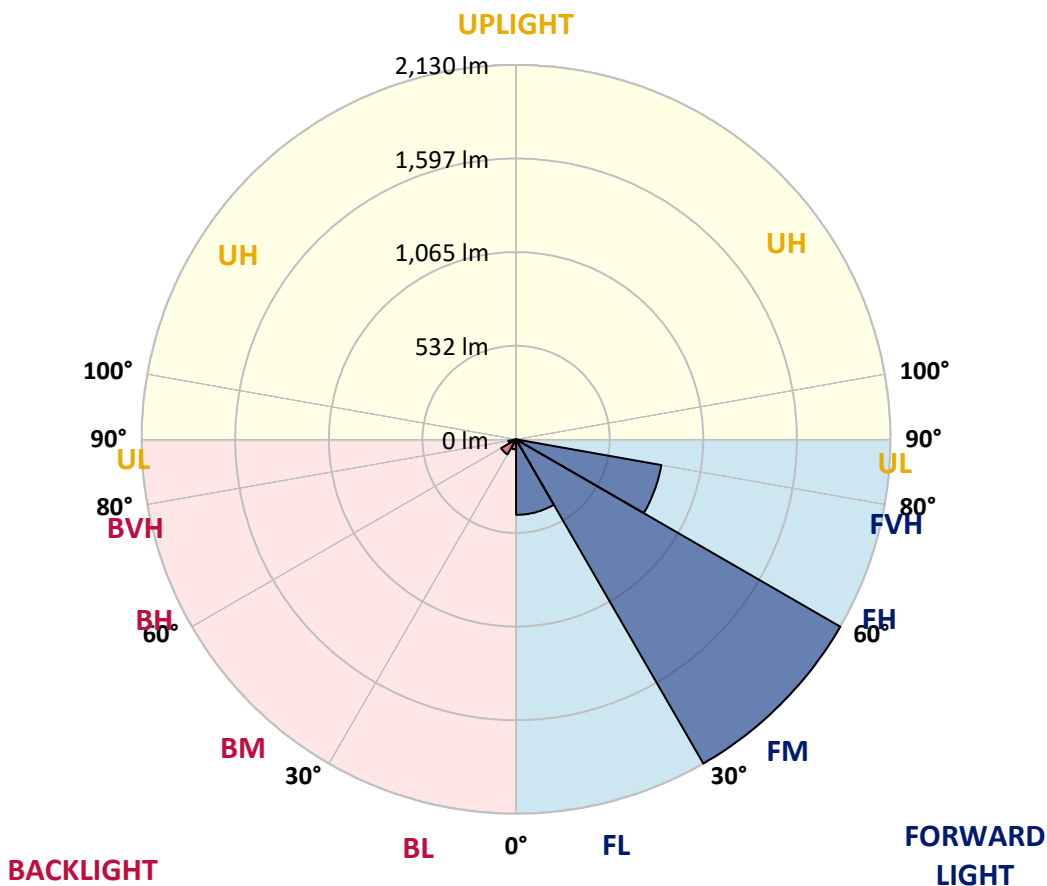
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	429.5	11.9			
FM (30°-60°)	2129.7	59.1			
FH (60°-80°)	839.2	23.3			G1/1800
FVH (80°-90°)	4.6	0.1			G0/10
BL (0°-30°)	56.8	1.6	B0/110		
BM (30°-60°)	98.3	2.7	B0/220		
BH (60°-80°)	43.8	1.2	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: B0-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9
2.5°	491.5	498.9	493.1	483.5	464.9	447.0	424.0	392.3	367.0	363.8	340.1
5°	663.8	663.1	650.7	638.2	618.6	587.9	541.5	482.6	425.9	421.1	367.9
7.5°	766.3	767.2	760.2	750.6	731.4	699.7	651.3	580.2	497.3	487.7	406.0
10°	852.4	852.1	846.9	842.5	825.2	804.0	752.2	674.0	574.1	559.1	448.6
12.5°	917.1	919.3	921.9	926.4	919.0	898.2	849.2	764.0	651.9	635.3	497.3
15°	968.3	968.9	978.6	995.8	1001.9	991.0	946.5	851.1	728.8	714.4	553.3
17.5°	983.7	985.0	1001.3	1033.0	1065.0	1071.1	1037.5	938.8	804.4	789.0	607.8
20°	1016.0	1018.9	1031.1	1058.9	1099.3	1131.9	1118.8	1027.5	879.9	859.8	663.5
22.5°	1117.8	1119.4	1115.3	1118.8	1139.6	1177.4	1185.4	1113.4	957.4	936.0	723.7
25°	1293.0	1293.6	1264.5	1237.0	1221.3	1228.3	1245.9	1192.5	1034.3	1013.1	779.7
27.5°	1474.9	1477.1	1442.2	1395.5	1339.4	1307.4	1302.3	1264.8	1111.8	1088.4	835.1
30°	1646.2	1646.2	1609.4	1552.4	1477.4	1415.0	1378.2	1337.8	1194.7	1169.1	891.8
32.5°	1800.2	1798.9	1751.9	1690.1	1616.1	1547.6	1470.1	1414.0	1286.9	1258.4	957.1
35°	1927.3	1924.1	1870.6	1811.4	1732.3	1681.4	1595.0	1496.0	1386.8	1358.3	1024.3
37.5°	2023.4	2019.9	1970.9	1908.1	1834.8	1801.8	1729.4	1594.3	1492.2	1466.2	1099.0
40°	2075.6	2068.5	2034.6	1987.8	1926.4	1897.5	1867.4	1716.3	1616.1	1583.7	1187.0
42.5°	2091.0	2082.6	2060.2	2038.4	2001.3	1978.6	2010.9	1854.0	1752.2	1724.3	1287.6
45°	2045.5	2040.7	2038.8	2054.4	2061.2	2067.6	2147.3	2006.4	1902.3	1881.2	1414.0
47.5°	1936.0	1934.7	1951.7	2017.0	2088.1	2155.6	2295.6	2194.4	2097.0	2074.3	1590.8
50°	1733.6	1746.7	1794.1	1908.8	2050.9	2205.6	2434.2	2455.0	2412.1	2378.8	1821.3
52.5°	1417.2	1442.5	1548.8	1723.0	1927.3	2191.5	2498.3	2663.8	2707.7	2673.1	1986.6
55°	1112.1	1135.8	1230.6	1451.5	1724.0	2084.2	2501.1	2735.8	2831.6	2799.6	2098.3
57.5°	828.4	850.1	936.3	1147.6	1447.3	1873.2	2432.6	2775.9	2978.6	2958.1	2274.7
60°	541.5	562.9	640.7	825.5	1122.6	1565.8	2263.9	2767.5	3178.7	3176.8	2491.5
62.5°	300.4	317.3	373.7	517.8	783.5	1212.6	1998.7	2684.0	3372.4	3384.6	2670.2
65°	153.7	164.6	198.8	284.7	474.2	859.8	1650.0	2492.5	3462.1	3492.8	2717.3
67.5°	100.5	104.1	112.4	147.9	253.9	540.8	1241.8	2185.4	3335.9	3371.8	2559.4
70°	81.7	84.5	89.3	98.6	131.0	287.2	815.6	1745.4	2787.4	2811.7	2038.1
72.5°	59.9	63.7	73.0	79.1	94.5	157.5	424.3	1145.7	1914.2	1957.1	1280.8
75°	44.2	46.4	54.1	62.4	77.2	99.6	162.3	602.3	988.5	963.5	537.9
77.5°	26.6	28.2	34.6	40.0	55.1	62.1	56.7	222.5	300.7	282.7	130.0
80°	13.1	14.7	22.7	30.1	35.2	25.0	23.7	62.1	66.9	66.9	32.7
82.5°	4.5	5.8	12.2	19.9	17.3	9.6	11.2	16.0	17.9	18.9	9.6
85°	0.0	0.0	2.9	5.8	2.6	1.3	2.9	3.5	4.5	4.8	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	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°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9
2.5°	327.3	312.2	289.5	269.0	253.3	238.6	227.3	218.4	216.8	211.7	212.3
5°	342.0	314.8	272.8	240.5	217.7	202.4	189.6	180.0	175.8	171.6	168.4
7.5°	364.7	325.3	266.4	227.0	200.4	176.8	156.9	140.9	133.2	128.4	125.2
10°	392.6	340.1	266.7	219.0	179.6	143.5	116.2	98.6	90.3	87.7	87.4
12.5°	425.9	358.6	269.3	205.9	149.5	106.6	86.1	78.1	75.6	73.3	73.3
15°	461.1	379.4	269.3	181.9	114.0	83.3	74.6	69.5	66.3	65.0	64.4
17.5°	498.2	399.0	262.9	148.9	87.4	73.3	66.3	61.5	58.9	57.0	56.4
20°	537.9	417.5	246.9	114.0	74.9	65.6	58.9	54.1	51.6	49.6	49.6
22.5°	578.3	434.8	220.9	87.7	66.3	58.3	51.9	47.4	44.8	42.9	42.9
25°	615.8	446.4	187.6	72.4	59.9	51.9	46.1	41.6	38.7	37.5	36.8
27.5°	650.7	453.7	150.8	63.7	53.8	46.4	40.3	36.2	33.9	33.0	32.3
30°	686.8	455.7	115.3	58.0	48.7	41.0	35.2	32.0	30.1	28.8	28.8
32.5°	722.1	453.4	88.1	53.2	44.2	36.2	31.4	28.5	26.9	25.9	25.6
35°	757.9	443.2	71.4	49.0	39.7	31.7	27.9	25.6	24.7	23.4	23.4
37.5°	797.0	429.4	62.1	44.8	35.2	28.5	25.0	23.4	22.1	21.1	20.8
40°	845.7	413.4	57.0	41.3	31.1	25.6	22.4	20.8	19.9	18.9	18.6
42.5°	903.3	397.7	54.4	37.5	27.9	22.7	20.2	18.3	17.3	16.0	15.7
45°	985.0	394.2	51.6	33.3	25.0	20.5	17.6	15.7	14.4	13.4	13.1
47.5°	1116.2	404.1	46.8	28.8	22.1	17.9	15.0	13.4	11.8	10.9	10.2
50°	1246.6	401.5	41.9	25.0	19.5	15.4	12.8	11.2	9.6	8.6	8.3
52.5°	1317.7	389.4	37.5	22.1	17.0	13.1	10.9	9.0	8.0	7.0	6.7
55°	1382.0	384.6	33.0	19.2	14.4	11.5	9.0	7.4	6.7	5.8	5.4
57.5°	1508.2	395.8	29.1	16.7	12.5	9.9	7.7	6.1	5.4	4.5	4.2
60°	1640.1	397.1	25.0	14.4	10.9	8.3	6.1	4.8	4.2	3.2	2.9
62.5°	1708.9	364.7	20.5	12.2	9.0	7.0	5.1	3.8	3.2	1.9	1.9
65°	1651.3	294.9	17.3	9.9	7.0	5.4	3.8	2.9	1.9	1.0	0.3
67.5°	1461.4	209.7	14.4	8.0	5.1	3.8	2.9	1.9	0.3	0.0	0.0
70°	1070.1	119.8	11.2	5.8	3.8	2.6	1.9	1.0	0.0	0.0	0.0
72.5°	657.7	64.0	8.3	3.8	2.9	1.9	1.6	0.6	0.0	0.0	0.0
75°	249.4	30.7	5.1	2.6	2.2	1.6	1.0	0.3	0.0	0.0	0.0
77.5°	67.6	15.0	2.9	1.9	1.6	1.0	0.6	0.0	0.0	0.0	0.0
80°	17.6	7.0	1.9	1.3	1.0	0.6	0.0	0.0	0.0	0.0	0.0
82.5°	6.1	3.2	1.0	1.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0
85°	2.6	1.3	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.3	0.3	0.3	0.3	0.0	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)