

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: P629856

Luminaire Tested: GWS-SA1C-740-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4007.3 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

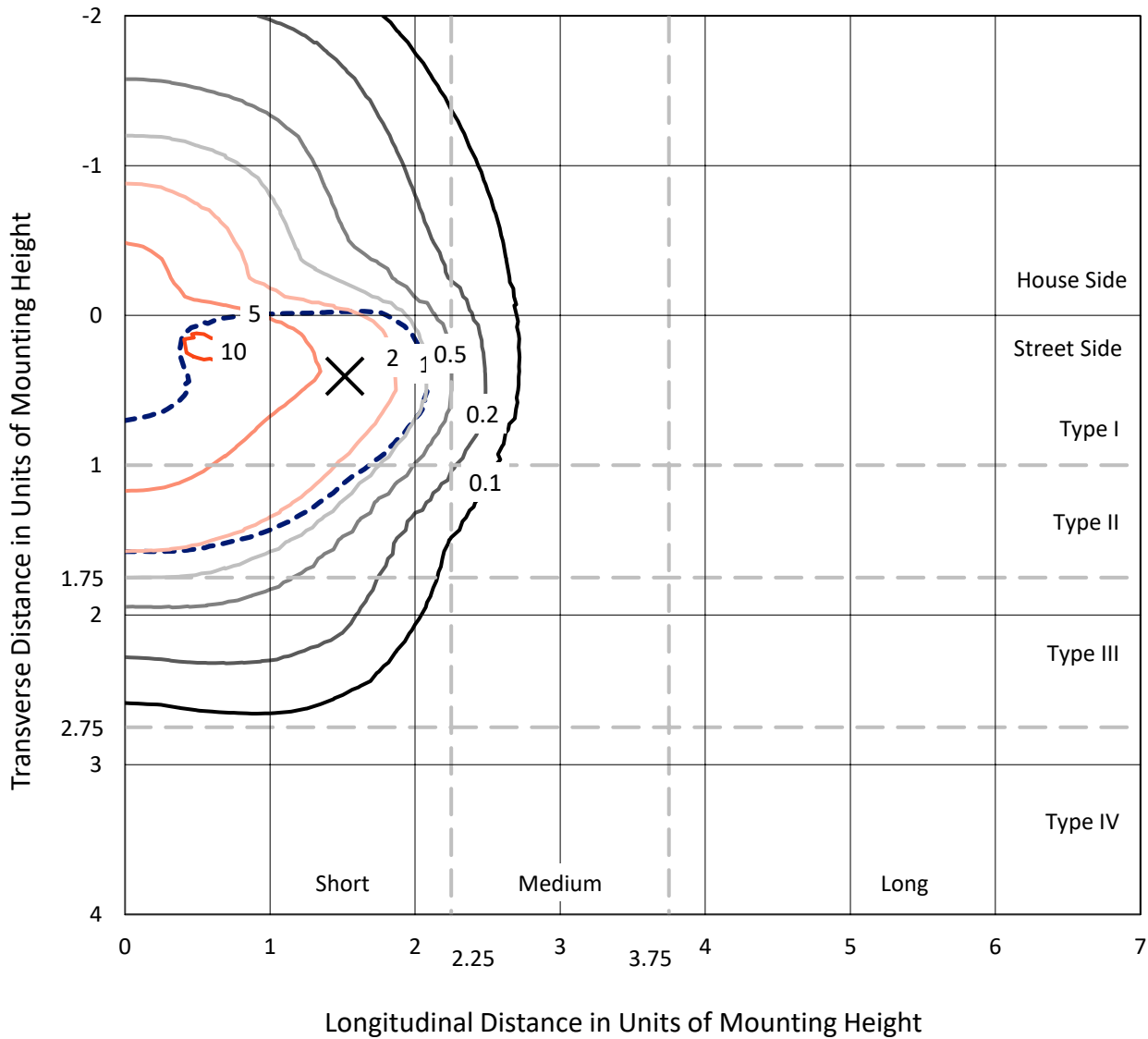
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

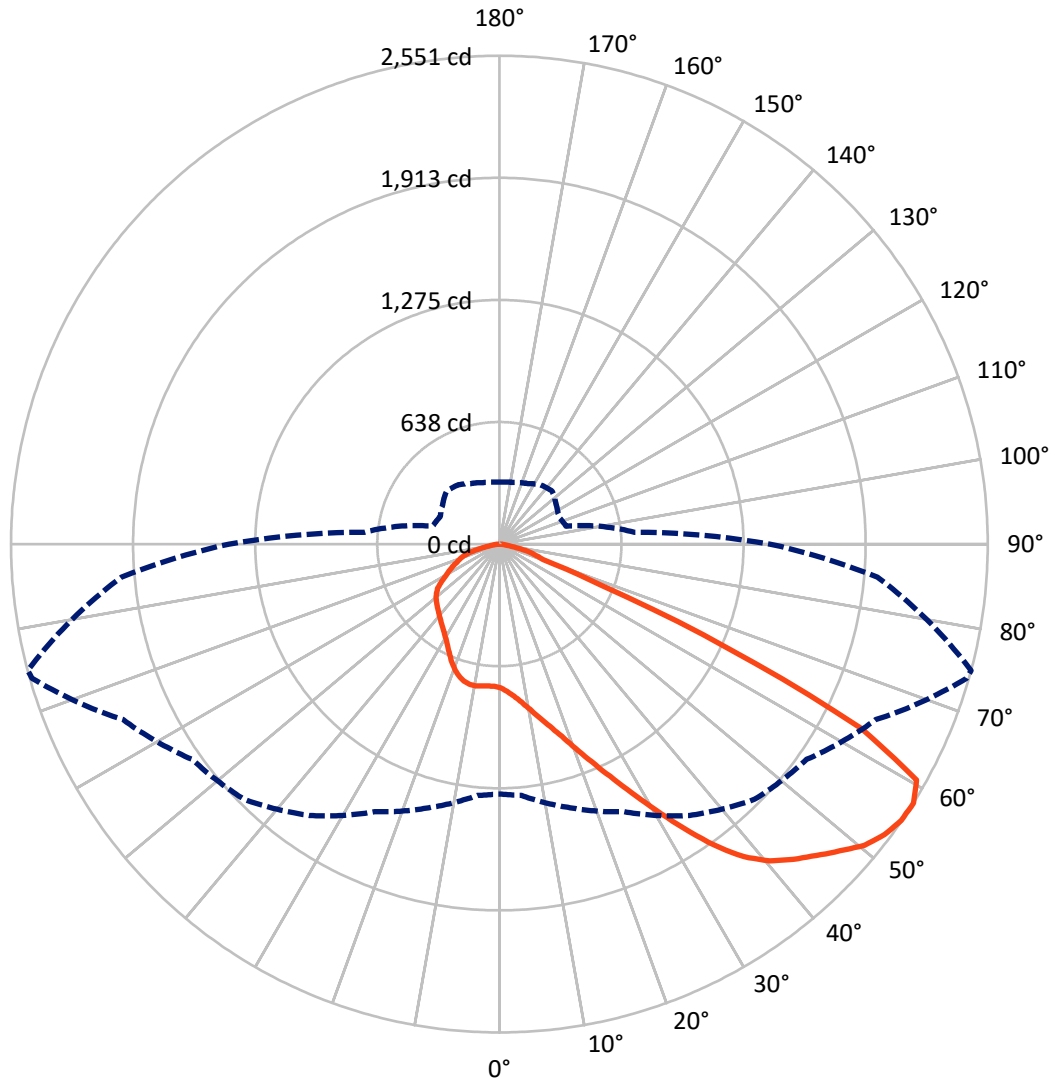
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1084.1	0.0	1084.1
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	2923.3	0.0	2923.3
	% Fixture	72.9	0.0	72.9
Total	Lumens	4007.3	0.0	4007.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	1.9
10°-20°	239.1	6.0
20°-30°	424.0	10.6
30°-40°	649.1	16.2
40°-50°	903.9	22.6
50°-60°	1035.6	25.8
60°-70°	532.1	13.3
70°-80°	134.0	3.3
80°-90°	14.3	0.4
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°	4007.3	100.0
0°-180°	4007.3	100.0

Coefficient of Utilization

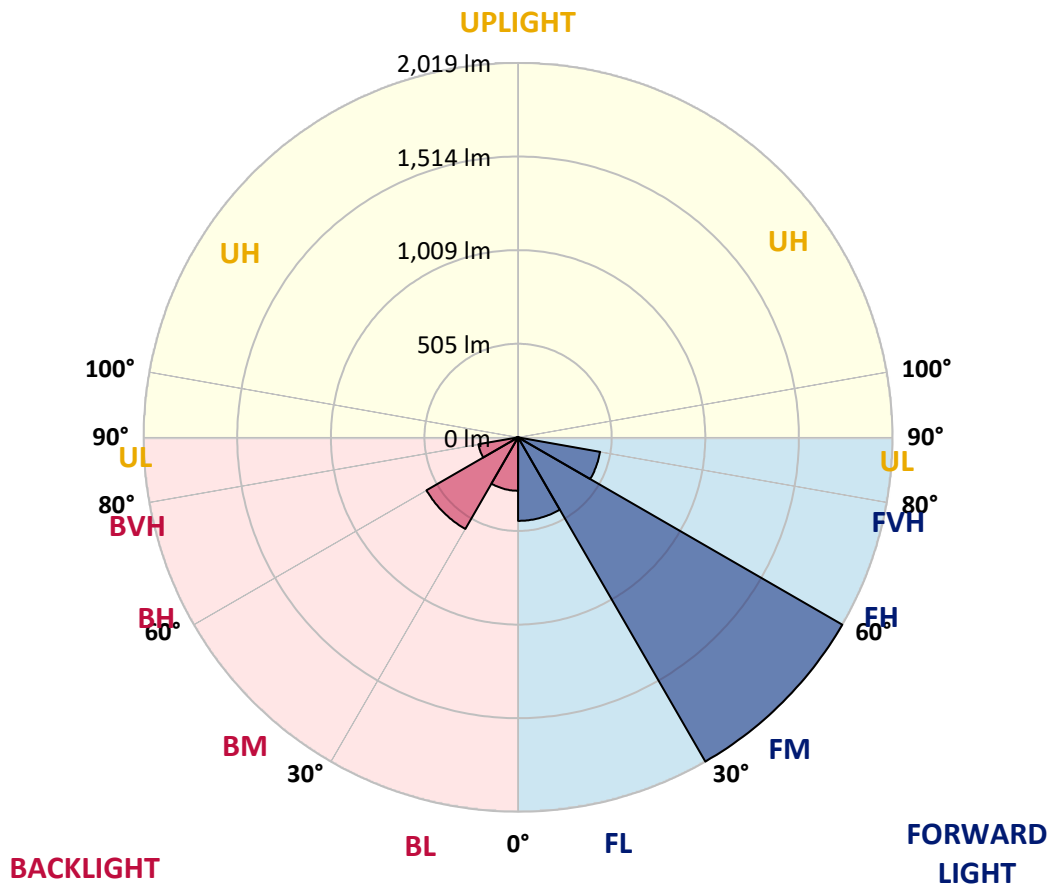


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	450.2	11.2			
FM (30°-60°)	2018.5	50.4			
FH (60°-80°)	449.2	11.2			G0/660
FVH (80°-90°)	5.3	0.1			G0/10
BL (0°-30°)	288.0	7.2	B1/500		
BM (30°-60°)	570.1	14.2	B1/1000		
BH (60°-80°)	216.9	5.4	B1/500		G1/500
BVH (80°-90°)	9.0	0.2			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5
2.5°	806.3	808.4	806.3	809.7	802.8	799.7	792.2	780.8	771.8	770.5	760.5
5°	869.0	873.5	870.7	869.3	860.0	853.2	841.8	819.0	800.4	797.7	778.0
7.5°	909.3	912.4	912.4	913.5	910.0	902.1	890.0	863.1	837.0	832.8	803.2
10°	922.8	925.2	929.6	938.3	945.2	947.6	939.6	913.8	881.8	877.6	836.3
12.5°	925.9	928.6	935.5	951.4	970.3	987.5	988.9	970.0	934.1	929.6	874.5
15°	931.7	934.5	943.8	963.4	991.3	1024.4	1044.7	1031.6	992.0	987.2	917.9
17.5°	931.0	934.1	947.9	974.1	1011.7	1059.5	1098.8	1104.3	1063.3	1055.1	967.2
20°	929.3	932.1	946.9	978.9	1025.4	1091.2	1162.2	1190.8	1146.7	1139.1	1024.7
22.5°	943.1	946.2	957.6	984.1	1032.7	1115.7	1220.8	1289.7	1245.6	1234.9	1090.9
25°	974.1	978.6	985.5	1003.7	1045.8	1137.4	1280.8	1401.7	1356.6	1343.8	1162.9
27.5°	1022.0	1027.5	1037.2	1045.8	1075.1	1165.0	1340.4	1527.1	1482.0	1468.6	1239.1
30°	1080.6	1087.8	1100.2	1106.1	1126.1	1205.6	1405.2	1656.3	1630.2	1611.5	1324.9
32.5°	1161.5	1171.5	1183.2	1185.0	1197.0	1267.3	1469.2	1784.5	1784.2	1771.1	1422.4
35°	1267.0	1277.7	1280.1	1282.5	1288.3	1352.1	1546.8	1901.3	1946.5	1931.3	1528.5
37.5°	1382.1	1397.6	1401.4	1390.7	1398.9	1454.1	1633.9	1995.1	2087.7	2071.5	1631.2
40°	1505.1	1511.3	1521.6	1504.7	1515.1	1570.9	1719.4	2055.0	2193.2	2176.0	1712.2
42.5°	1593.3	1604.7	1620.2	1614.0	1619.8	1670.8	1779.4	2084.0	2268.3	2251.1	1770.4
45°	1689.1	1692.5	1702.5	1701.1	1704.6	1752.1	1822.4	2096.7	2335.5	2320.0	1820.0
47.5°	1772.5	1777.6	1784.2	1776.6	1769.0	1800.0	1857.6	2107.7	2413.0	2394.4	1872.0
50°	1852.7	1857.2	1865.2	1843.1	1814.8	1822.8	1874.8	2122.9	2485.7	2472.6	1913.0
52.5°	1867.6	1872.4	1909.6	1914.1	1877.9	1850.0	1905.1	2156.3	2528.4	2520.2	1927.9
55°	1681.2	1689.8	1763.8	1849.0	1938.2	1929.2	1953.7	2173.9	2545.3	2547.4	1954.4
57.5°	1304.9	1317.3	1425.5	1542.3	1730.1	1885.5	1959.9	2169.4	2539.5	2550.8	1981.6
60°	855.9	863.1	991.3	1122.3	1316.9	1532.0	1754.2	2088.8	2487.4	2503.6	1974.7
62.5°	516.9	525.1	628.1	727.4	842.1	985.8	1189.8	1678.7	2085.0	2121.2	1581.6
65°	360.8	371.8	462.1	543.7	583.4	553.7	602.7	937.6	1299.0	1314.2	966.5
67.5°	261.5	269.1	343.2	440.4	484.1	391.1	298.1	415.2	565.8	571.3	398.7
70°	171.3	179.9	247.1	335.3	395.2	317.0	222.9	224.7	238.1	240.9	231.6
72.5°	94.1	99.2	152.6	222.6	233.6	189.5	174.0	186.8	196.1	196.1	198.5
75°	48.6	53.1	62.4	73.4	88.6	103.7	125.4	144.4	154.4	155.1	154.0
77.5°	24.8	26.5	33.4	36.2	39.6	46.2	60.0	76.8	85.8	89.2	88.6
80°	11.7	12.4	14.1	16.5	20.3	25.8	32.4	38.6	44.1	44.8	48.6
82.5°	6.2	6.9	7.6	9.0	11.0	13.8	19.0	22.7	26.2	26.9	30.0
85°	2.4	2.8	3.1	3.4	4.8	5.9	7.9	10.7	13.1	13.1	15.5
87.5°	0.0	0.0	0.0	0.0	0.3	0.7	1.4	1.7	2.4	2.4	4.1
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°	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5
2.5°	758.1	748.1	743.6	736.3	730.5	723.9	718.8	715.0	712.6	711.2	709.8
5°	770.5	755.3	743.2	728.8	718.8	709.1	701.2	695.7	692.9	690.9	689.5
7.5°	789.8	769.4	746.7	724.3	706.7	691.2	681.2	675.4	671.6	670.2	669.2
10°	816.3	788.0	750.5	715.0	688.8	671.9	665.0	662.3	662.6	661.9	661.6
12.5°	846.3	807.7	749.4	698.4	669.5	659.5	659.8	664.3	669.5	670.9	671.2
15°	878.7	827.0	739.4	677.1	654.3	655.4	664.3	675.0	684.7	688.4	689.1
17.5°	913.8	843.2	721.2	653.6	641.9	653.0	669.5	687.1	701.2	707.4	709.1
20°	953.1	856.9	695.3	630.6	630.2	648.5	672.6	695.7	713.6	721.9	723.3
22.5°	994.8	865.6	663.6	609.2	618.2	642.6	670.2	694.3	713.3	721.5	723.3
25°	1036.8	868.3	628.8	589.6	605.8	633.3	658.5	677.8	695.7	702.9	704.3
27.5°	1076.1	860.4	595.8	572.7	594.4	619.5	636.4	646.8	659.2	664.7	665.7
30°	1116.1	844.5	567.8	559.2	581.6	600.6	608.2	608.9	613.7	613.7	614.4
32.5°	1156.4	821.1	543.4	546.1	565.8	578.2	579.2	571.3	565.4	555.8	555.4
35°	1202.9	797.3	523.4	531.3	547.2	554.8	551.7	536.5	522.4	506.5	505.8
37.5°	1246.0	772.9	506.5	516.2	526.2	531.7	524.4	506.2	494.5	478.3	475.8
40°	1281.5	750.8	490.3	500.3	505.1	510.0	498.2	483.4	485.2	476.2	475.8
42.5°	1302.1	729.5	475.2	482.7	485.8	489.3	479.0	467.9	477.2	470.3	470.7
45°	1317.3	710.8	461.4	464.1	471.7	476.9	467.2	454.8	456.9	430.4	424.2
47.5°	1334.5	700.5	448.3	445.5	459.0	467.9	453.1	435.2	422.8	396.6	394.2
50°	1352.8	696.7	434.5	426.9	443.1	451.7	434.5	412.1	395.9	381.8	380.4
52.5°	1359.0	696.4	417.3	404.5	420.7	432.8	418.3	395.6	376.3	362.5	361.8
55°	1383.4	706.4	395.2	373.9	389.0	413.8	403.1	370.4	354.9	348.7	348.0
57.5°	1412.0	708.1	360.4	340.4	361.5	390.7	377.3	349.0	332.2	324.6	323.9
60°	1400.3	665.7	323.2	314.9	338.0	369.0	356.6	332.2	312.5	305.3	304.6
62.5°	1067.1	470.0	296.0	292.9	312.9	337.7	335.3	309.8	291.2	286.0	285.3
65°	641.9	330.1	269.8	269.5	283.6	307.4	310.5	289.8	270.1	262.9	262.9
67.5°	317.3	252.6	240.2	238.4	247.4	264.3	277.4	260.5	244.0	237.1	236.0
70°	224.3	222.6	218.5	213.6	215.4	222.2	227.8	213.6	196.1	189.2	187.8
72.5°	194.0	194.3	191.6	187.8	186.4	181.6	176.8	166.4	155.7	148.5	149.2
75°	150.6	151.3	153.0	151.6	147.8	142.7	137.5	124.4	115.8	108.9	107.5
77.5°	87.9	91.3	96.8	95.4	96.1	88.9	86.8	74.1	66.2	61.3	60.3
80°	49.6	51.7	54.1	55.8	53.8	50.7	46.2	39.3	36.9	33.4	32.7
82.5°	30.0	32.0	33.1	34.5	33.8	29.6	26.2	21.7	19.6	17.9	17.6
85°	15.2	16.5	17.6	18.3	16.2	13.4	12.1	9.6	8.3	7.2	7.2
87.5°	3.8	4.1	4.8	4.1	3.8	1.7	1.4	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)