

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: P629964

Luminaire Tested: GWS-SA1C-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629964
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4043 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

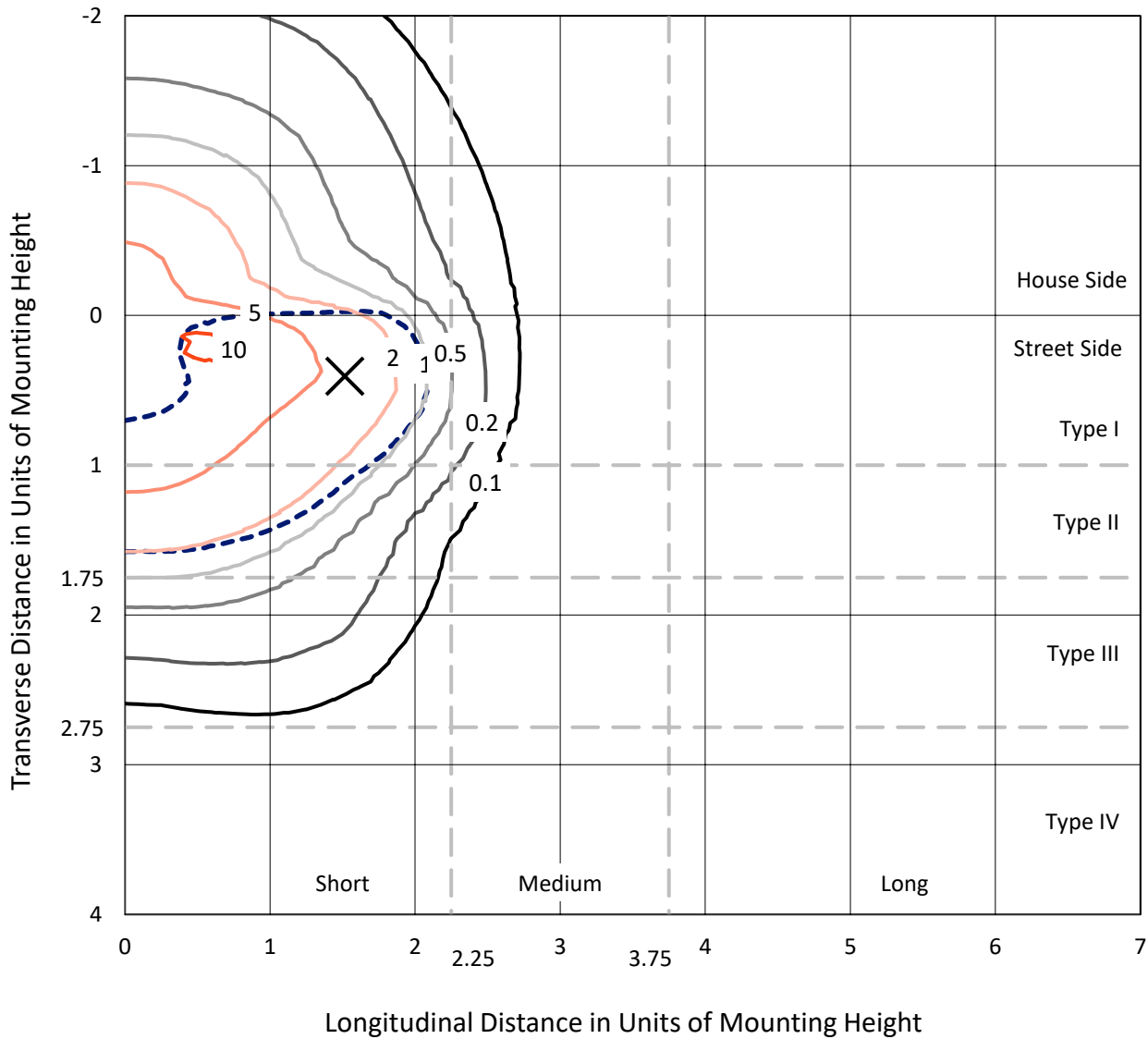
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

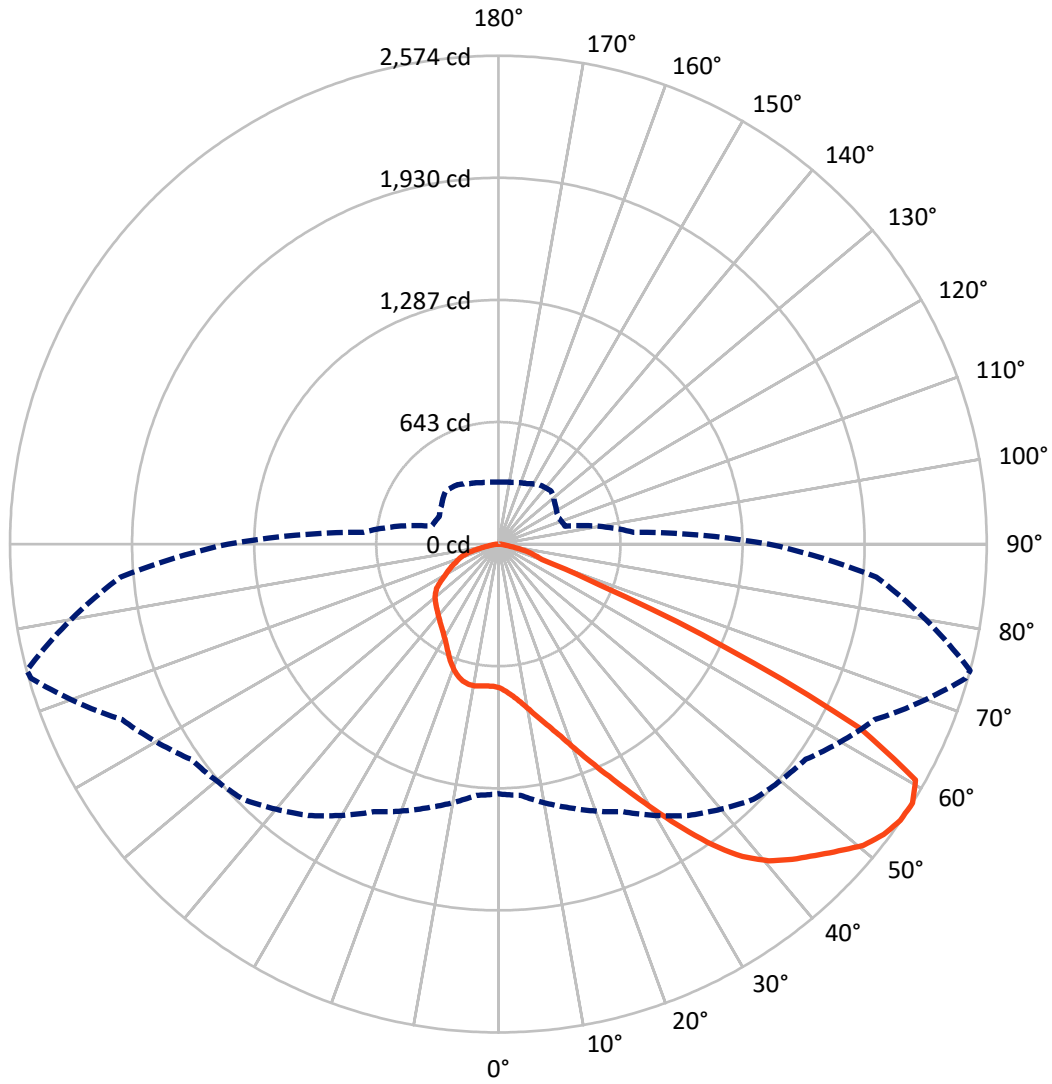
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 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	1093.7	0.0	1093.7
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	2949.3	0.0	2949.3
	% Fixture	72.9	0.0	72.9
Total	Lumens	4043.0	0.0	4043.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	1.9
10°-20°	241.2	6.0
20°-30°	427.8	10.6
30°-40°	654.9	16.2
40°-50°	911.9	22.6
50°-60°	1044.9	25.8
60°-70°	536.9	13.3
70°-80°	135.2	3.3
80°-90°	14.4	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°	4043.0	100.0
0°-180°	4043.0	100.0

Coefficient of Utilization

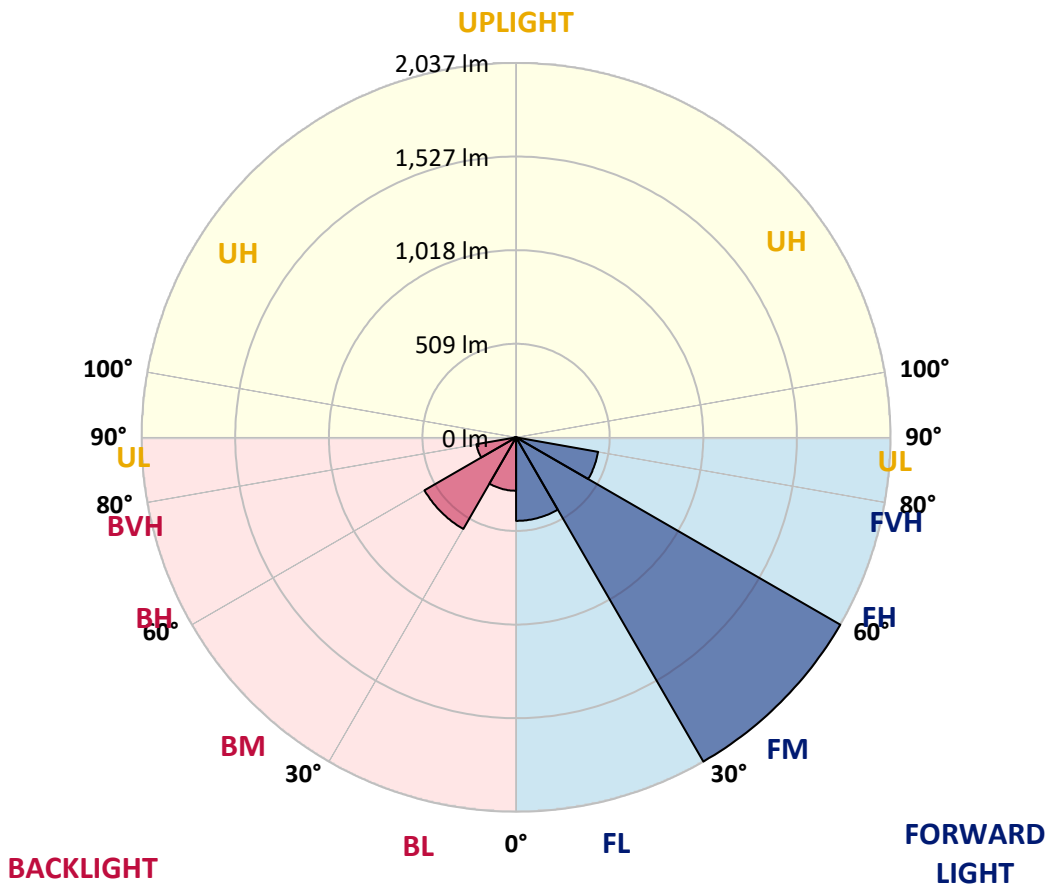


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	454.3	11.2			
FM (30°-60°)	2036.5	50.4			
FH (60°-80°)	453.2	11.2			G0/660
FVH (80°-90°)	5.3	0.1			G0/10
BL (0°-30°)	290.6	7.2	B1/500		
BM (30°-60°)	575.2	14.2	B1/1000		
BH (60°-80°)	218.9	5.4	B1/500		G1/500
BVH (80°-90°)	9.1	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°	757.2	757.2	757.2	757.2	757.2	757.2	757.2	757.2	757.2	757.2	757.2
2.5°	813.5	815.6	813.5	817.0	810.0	806.9	799.2	787.7	778.7	777.3	767.2
5°	876.7	881.3	878.5	877.1	867.7	860.8	849.3	826.3	807.6	804.8	785.0
7.5°	917.4	920.5	920.5	921.6	918.1	910.1	898.0	870.8	844.4	840.2	810.3
10°	931.0	933.4	937.9	946.6	953.6	956.0	948.0	921.9	889.6	885.4	843.7
12.5°	934.1	936.9	943.8	959.8	979.0	996.3	997.7	978.6	942.4	937.9	882.3
15°	940.0	942.8	952.2	972.0	1000.2	1033.5	1054.0	1040.8	1000.9	996.0	926.1
17.5°	939.3	942.4	956.4	982.8	1020.7	1069.0	1108.6	1114.2	1072.8	1064.5	975.8
20°	937.6	940.4	955.3	987.6	1034.6	1101.0	1172.6	1201.4	1156.9	1149.3	1033.9
22.5°	951.5	954.6	966.1	992.9	1041.9	1125.7	1231.7	1301.2	1256.7	1245.9	1100.6
25°	982.8	987.3	994.2	1012.7	1055.1	1147.6	1292.2	1414.2	1368.7	1355.8	1173.3
27.5°	1031.1	1036.7	1046.4	1055.1	1084.6	1175.4	1352.3	1540.7	1495.2	1481.6	1250.1
30°	1090.2	1097.5	1110.0	1115.9	1136.1	1216.4	1417.7	1671.1	1644.7	1625.9	1336.7
32.5°	1171.9	1182.0	1193.8	1195.5	1207.7	1278.6	1482.3	1800.4	1800.1	1786.9	1435.1
35°	1278.3	1289.0	1291.5	1293.9	1299.8	1364.1	1560.5	1918.3	1963.8	1948.5	1542.1
37.5°	1394.4	1410.0	1413.8	1403.1	1411.4	1467.0	1648.5	2012.8	2106.3	2090.0	1645.7
40°	1518.5	1524.7	1535.2	1518.1	1528.6	1584.9	1734.7	2073.3	2212.7	2195.3	1727.4
42.5°	1607.5	1619.0	1634.6	1628.3	1634.2	1685.7	1795.2	2102.5	2288.5	2271.1	1786.2
45°	1704.1	1707.6	1717.7	1716.3	1719.8	1767.7	1838.7	2115.4	2356.3	2340.7	1836.2
47.5°	1788.3	1793.5	1800.1	1792.4	1784.8	1816.1	1874.1	2126.5	2434.5	2415.7	1888.7
50°	1869.3	1873.8	1881.8	1859.5	1831.0	1839.0	1891.5	2141.8	2507.9	2494.7	1930.1
52.5°	1884.2	1889.1	1926.6	1931.1	1894.6	1866.5	1922.1	2175.5	2551.0	2542.6	1945.0
55°	1696.1	1704.8	1779.6	1865.4	1955.5	1946.4	1971.1	2193.3	2568.0	2570.1	1971.8
57.5°	1316.5	1329.0	1438.2	1556.0	1745.5	1902.3	1977.4	2188.7	2562.1	2573.6	1999.3
60°	863.5	870.8	1000.2	1132.3	1328.7	1545.6	1769.8	2107.4	2509.6	2525.9	1992.3
62.5°	521.5	529.8	633.7	733.9	849.6	994.6	1200.4	1693.7	2103.6	2140.1	1595.7
65°	364.0	375.1	466.2	548.6	588.6	558.7	608.0	945.9	1310.6	1325.9	975.1
67.5°	263.9	271.5	346.2	444.3	488.4	394.6	300.7	418.9	570.8	576.4	402.2
70°	172.8	181.5	249.3	338.3	398.7	319.8	224.9	226.7	240.2	243.0	233.6
72.5°	94.9	100.1	154.0	224.6	235.7	191.2	175.6	188.4	197.8	197.8	200.2
75°	49.0	53.5	62.9	74.0	89.3	104.6	126.5	145.7	155.7	156.4	155.4
77.5°	25.0	26.8	33.7	36.5	40.0	46.6	60.5	77.5	86.6	90.0	89.3
80°	11.8	12.5	14.3	16.7	20.5	26.1	32.7	38.9	44.5	45.2	49.0
82.5°	6.3	7.0	7.6	9.0	11.1	13.9	19.1	22.9	26.4	27.1	30.2
85°	2.4	2.8	3.1	3.5	4.9	5.9	8.0	10.8	13.2	13.2	15.6
87.5°	0.0	0.0	0.0	0.0	0.3	0.7	1.4	1.7	2.4	2.4	4.2
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°	757.2	757.2	757.2	757.2	757.2	757.2	757.2	757.2	757.2	757.2	757.2
2.5°	764.8	754.7	750.2	742.9	737.0	730.4	725.2	721.4	718.9	717.5	716.1
5°	777.3	762.0	749.9	735.3	725.2	715.4	707.4	701.9	699.1	697.0	695.6
7.5°	796.8	776.3	753.3	730.7	713.0	697.4	687.3	681.4	677.5	676.2	675.1
10°	823.6	795.0	757.2	721.4	694.9	677.9	670.9	668.2	668.5	667.8	667.5
12.5°	853.8	814.9	756.1	704.7	675.5	665.4	665.7	670.2	675.5	676.9	677.2
15°	886.5	834.3	746.0	683.1	660.2	661.2	670.2	681.0	690.8	694.6	695.3
17.5°	921.9	850.7	727.6	659.5	647.7	658.8	675.5	693.2	707.4	713.7	715.4
20°	961.6	864.6	701.5	636.2	635.8	654.3	678.6	701.9	720.0	728.3	729.7
22.5°	1003.6	873.3	669.6	614.6	623.7	648.3	676.2	700.5	719.6	728.0	729.7
25°	1046.0	876.0	634.4	594.8	611.1	639.0	664.3	683.8	701.9	709.2	710.6
27.5°	1085.7	868.1	601.1	577.8	599.7	625.1	642.1	652.5	665.0	670.6	671.6
30°	1126.0	852.1	572.9	564.2	586.8	605.9	613.6	614.3	619.1	619.1	619.8
32.5°	1166.7	828.4	548.2	551.0	570.8	583.3	584.4	576.4	570.5	560.7	560.4
35°	1213.6	804.4	528.1	536.1	552.1	559.7	556.6	541.3	527.0	511.0	510.3
37.5°	1257.1	779.8	511.0	520.8	530.8	536.4	529.1	510.7	498.9	482.5	480.1
40°	1292.9	757.5	494.7	504.8	509.6	514.5	502.7	487.7	489.5	480.4	480.1
42.5°	1313.7	736.0	479.4	487.0	490.2	493.6	483.2	472.1	481.5	474.5	474.9
45°	1329.0	717.2	465.5	468.3	475.9	481.1	471.4	458.9	461.0	434.2	427.9
47.5°	1346.4	706.7	452.3	449.5	463.1	472.1	457.1	439.1	426.6	400.1	397.7
50°	1364.8	702.9	438.4	430.7	447.1	455.8	438.4	415.8	399.4	385.2	383.8
52.5°	1371.1	702.6	421.0	408.1	424.5	436.6	422.0	399.1	379.6	365.7	365.0
55°	1395.8	712.7	398.7	377.2	392.5	417.5	406.7	373.7	358.1	351.8	351.1
57.5°	1424.6	714.4	363.6	343.5	364.7	394.2	380.7	352.2	335.1	327.5	326.8
60°	1412.8	671.6	326.1	317.7	341.0	372.3	359.8	335.1	315.3	308.0	307.3
62.5°	1076.6	474.2	298.6	295.5	315.7	340.7	338.3	312.5	293.8	288.5	287.8
65°	647.7	333.0	272.2	271.9	286.1	310.1	313.2	292.4	272.5	265.2	265.2
67.5°	320.2	254.8	242.3	240.6	249.6	266.6	279.8	262.8	246.1	239.2	238.1
70°	226.3	224.6	220.4	215.5	217.3	224.2	229.8	215.5	197.8	190.9	189.5
72.5°	195.7	196.1	193.3	189.5	188.1	183.2	178.3	167.9	157.1	149.8	150.5
75°	151.9	152.6	154.4	153.0	149.1	143.9	138.7	125.5	116.8	109.9	108.5
77.5°	88.6	92.1	97.7	96.3	97.0	89.7	87.6	74.7	66.7	61.9	60.8
80°	50.1	52.1	54.6	56.3	54.2	51.1	46.6	39.6	37.2	33.7	33.0
82.5°	30.2	32.3	33.4	34.8	34.1	29.9	26.4	21.9	19.8	18.1	17.7
85°	15.3	16.7	17.7	18.4	16.3	13.6	12.2	9.7	8.3	7.3	7.3
87.5°	3.8	4.2	4.9	4.2	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)