

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: P629344

Luminaire Tested: GWS-SA1B-740-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629344  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-740-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3522 lumens  
Efficiency: N/A  
Efficacy: 140.9 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): 25  
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

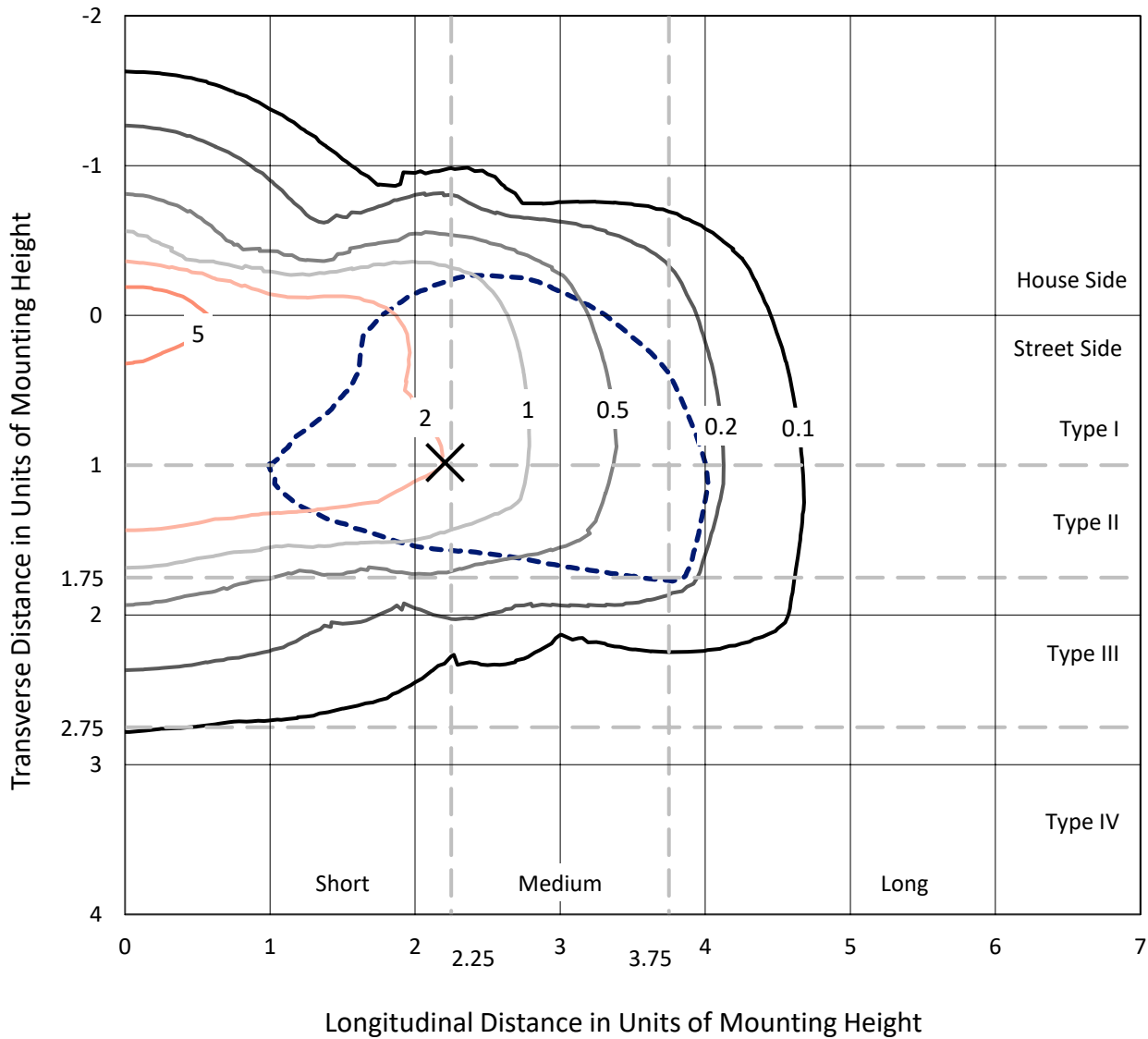


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### Iso-Footcandle Lines of Horizontal Illumination

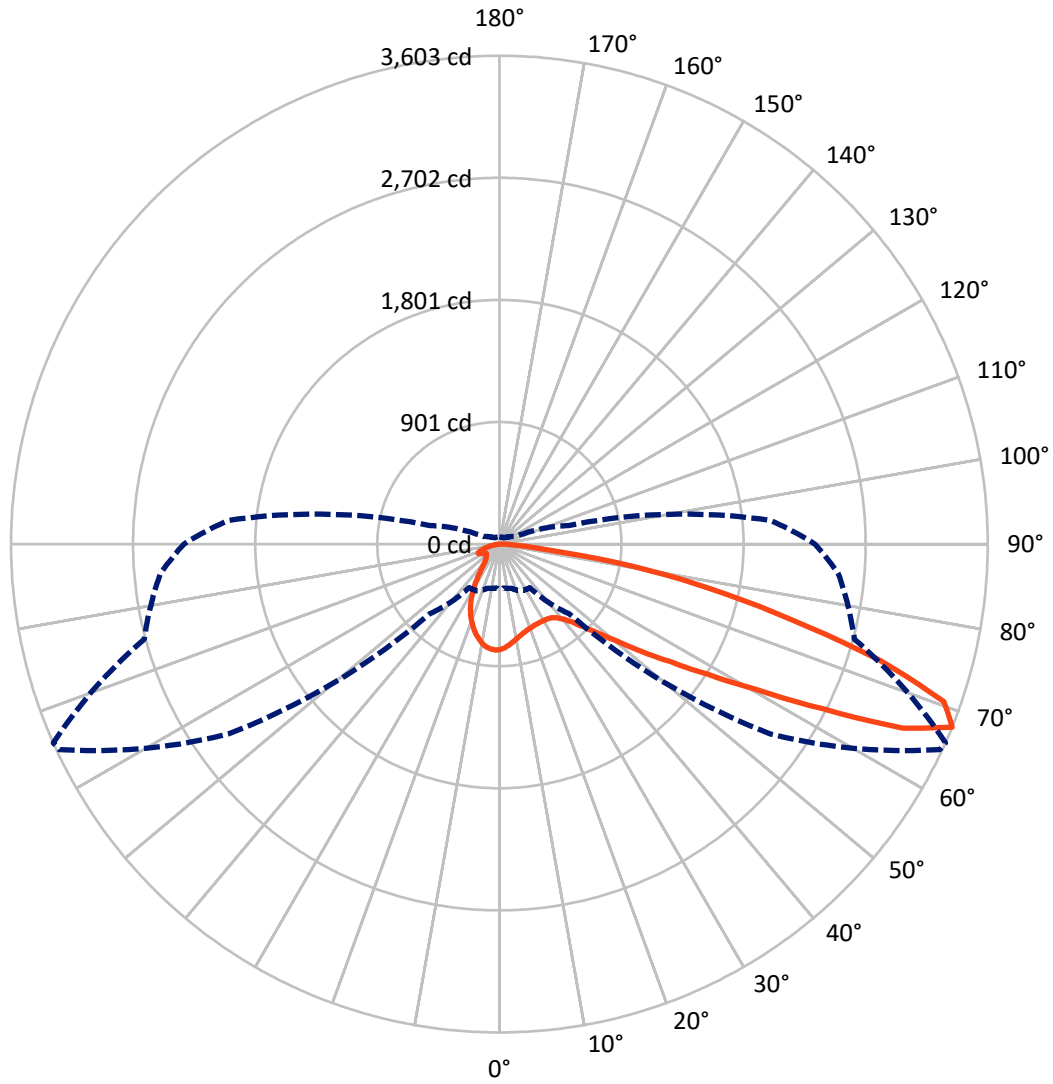
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	714.7	0.0	714.7
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	2807.3	0.0	2807.3
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	3522.0	0.0	3522.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.3	1.9
10°-20°	167.9	4.8
20°-30°	230.7	6.6
30°-40°	315.4	9.0
40°-50°	478.0	13.6
50°-60°	743.0	21.1
60°-70°	904.6	25.7
70°-80°	551.1	15.6
80°-90°	63.0	1.8
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°	3522.0	100.0
0°-180°	3522.0	100.0

**Coefficient of Utilization**



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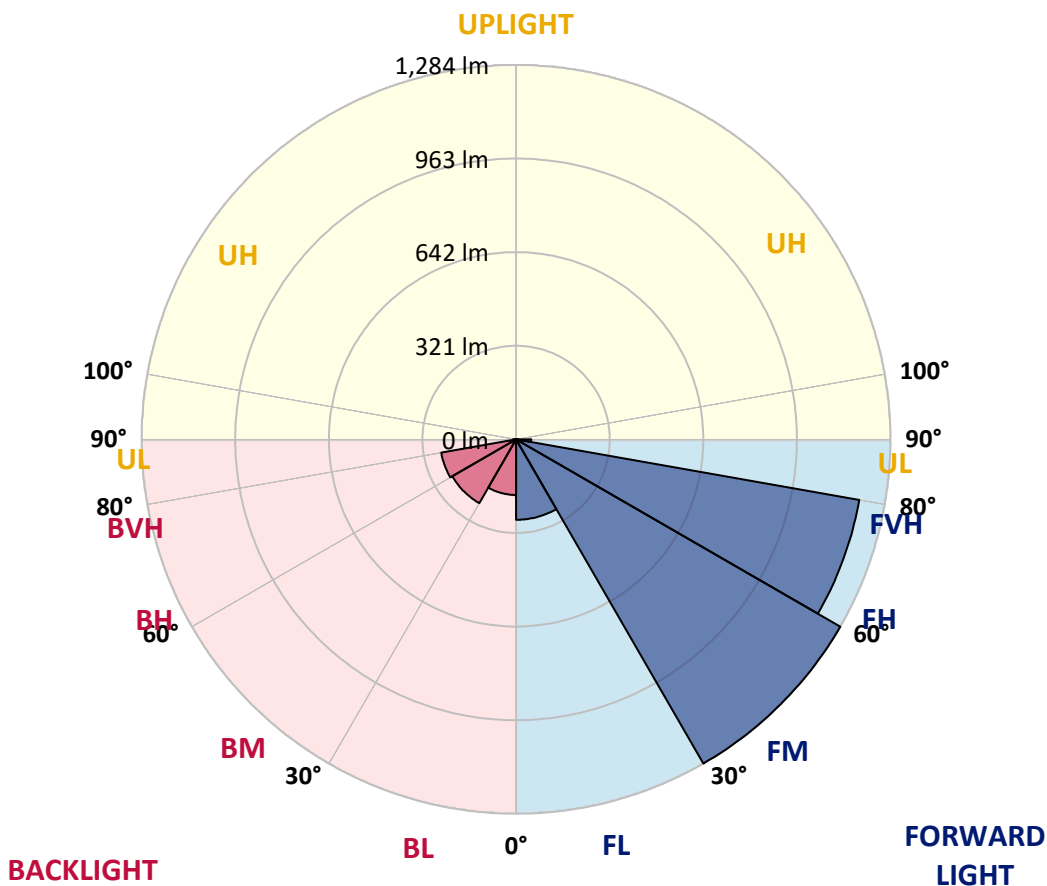
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.0	7.8			
FM (30°-60°)	1283.9	36.5			
FH (60°-80°)	1195.1	33.9			G1/1800
FVH (80°-90°)	52.3	1.5			G1/100
BL (0°-30°)	190.9	5.4	B1/500		
BM (30°-60°)	252.6	7.2	B1/1000		
BH (60°-80°)	260.6	7.4	B1/500		G1/500
BVH (80°-90°)	10.6	0.3			G1/100
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°	66°	75°	85°
0°	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3
2.5°	728.9	731.5	730.0	739.7	740.2	752.6	759.5	765.4	765.9	773.6	778.8
5°	679.1	680.6	680.6	689.9	696.0	712.5	728.4	745.4	746.7	765.2	779.3
7.5°	638.7	640.3	639.3	651.6	659.6	677.8	698.1	724.0	726.6	756.4	781.1
10°	607.1	606.6	609.2	620.5	630.8	652.6	675.2	704.8	708.6	746.4	783.1
12.5°	585.6	586.1	587.6	599.4	610.5	632.1	655.4	687.6	691.7	734.8	782.1
15°	575.3	574.3	575.5	586.3	596.9	615.9	640.0	673.2	677.3	724.6	782.4
17.5°	573.0	572.2	571.9	579.6	587.6	605.3	628.5	662.1	666.5	717.9	783.9
20°	580.2	579.1	576.3	579.6	583.0	597.9	620.2	654.2	659.0	713.5	787.0
22.5°	599.9	598.1	593.8	589.7	585.3	594.3	615.1	648.3	653.1	710.7	790.1
25°	630.0	628.5	623.8	614.6	598.7	597.1	614.1	645.7	650.6	708.6	791.4
27.5°	671.4	669.1	664.4	651.1	625.1	607.7	617.9	645.4	650.1	706.3	790.1
30°	720.5	718.9	716.3	700.2	665.5	630.0	626.7	647.5	651.1	705.0	787.5
32.5°	770.3	768.8	770.8	763.1	720.5	667.0	645.7	653.1	655.7	704.8	785.2
35°	814.2	816.0	830.9	832.2	790.3	717.1	675.7	666.2	666.8	709.9	786.2
37.5°	860.2	867.2	886.7	903.4	868.4	783.4	720.5	690.9	690.4	723.0	792.7
40°	921.1	924.2	949.1	980.5	958.6	874.4	783.9	731.2	727.6	749.7	809.9
42.5°	980.5	987.9	1027.7	1063.7	1056.5	976.9	863.8	791.6	785.2	797.0	845.3
45°	1056.0	1063.2	1107.9	1154.2	1167.3	1092.8	966.1	877.4	871.0	868.2	910.3
47.5°	1131.6	1139.0	1179.1	1245.9	1291.9	1237.7	1099.2	990.7	980.2	969.2	1008.5
50°	1182.4	1191.2	1229.4	1309.6	1417.5	1418.5	1256.9	1139.3	1125.9	1108.4	1146.7
52.5°	1180.6	1186.3	1222.8	1315.3	1508.0	1626.4	1468.1	1328.4	1317.6	1279.5	1312.9
55°	1087.9	1096.3	1133.1	1248.7	1517.7	1823.5	1778.5	1551.4	1532.1	1464.0	1500.8
57.5°	901.6	908.8	945.8	1088.4	1431.1	1924.5	2172.7	1835.6	1809.1	1665.0	1707.3
60°	680.6	671.9	689.4	814.2	1224.0	1927.0	2520.6	2221.0	2176.8	1879.8	1915.2
62.5°	510.8	502.1	505.9	541.1	829.9	1771.3	2718.9	2748.2	2675.2	2122.3	2115.4
65°	403.6	398.8	409.8	434.0	483.8	1348.9	2720.4	3318.3	3272.3	2403.4	2320.7
67.5°	328.9	325.8	337.1	381.8	392.3	724.8	2439.4	3584.5	3602.5	2711.2	2511.0
70°	264.9	260.3	278.0	336.8	364.9	438.6	1747.4	3448.9	3477.9	2894.7	2457.3
72.5°	182.9	183.2	192.2	272.9	352.3	378.7	988.4	2871.8	2934.7	2728.4	2160.3
75°	123.3	124.4	126.9	180.1	324.5	367.4	526.7	2174.2	2218.7	2255.1	1785.7
77.5°	74.5	75.0	80.9	108.9	223.8	343.0	356.9	1576.1	1611.0	1486.6	1106.9
80°	43.2	45.0	50.4	73.0	151.1	257.7	276.2	966.3	1005.9	660.8	351.7
82.5°	19.0	20.3	27.5	42.4	88.1	219.2	215.6	381.8	376.2	184.2	122.0
85°	3.3	4.1	5.9	13.4	32.4	115.6	167.3	168.6	158.5	69.9	50.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	25.2	45.2	45.0	19.8	17.5
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°	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3
2.5°	782.1	775.2	781.3	782.1	780.8	779.8	772.1	765.4	764.6	757.5	757.5
5°	784.9	778.5	781.6	775.7	766.4	756.9	740.5	729.2	724.0	714.8	714.8
7.5°	788.8	782.1	778.5	763.9	742.3	721.5	695.0	672.9	663.9	650.8	650.3
10°	792.4	783.9	771.6	743.1	708.6	675.5	636.9	605.6	584.3	568.6	568.6
12.5°	792.1	781.1	756.7	714.5	667.0	619.0	567.6	520.3	492.0	467.6	466.1
15°	791.6	776.5	737.7	681.4	618.4	551.9	482.0	420.3	378.5	354.6	352.5
17.5°	791.1	770.6	716.3	643.6	559.4	468.7	376.4	309.6	274.7	260.0	260.5
20°	791.1	763.9	693.5	600.2	491.3	369.0	276.2	227.6	218.9	219.7	220.5
22.5°	788.8	755.7	668.0	552.9	415.5	271.3	203.8	187.3	191.9	199.1	200.2
25°	783.4	742.0	638.5	500.5	325.3	197.6	166.2	163.2	171.6	180.6	183.2
27.5°	774.9	726.4	605.3	439.1	239.5	158.8	146.2	145.9	152.6	159.3	161.6
30°	765.9	708.9	570.4	370.8	173.4	138.2	133.4	133.4	136.7	140.8	140.3
32.5°	755.4	691.2	532.9	299.6	141.3	126.7	125.1	124.4	124.9	126.4	126.4
35°	746.4	675.5	494.3	224.3	126.7	120.2	118.7	116.9	116.1	115.1	115.6
37.5°	743.1	663.2	454.5	169.1	119.5	115.6	113.1	110.5	108.7	108.2	107.9
40°	748.5	658.0	414.7	139.3	114.3	110.7	107.9	104.6	103.0	103.0	103.0
42.5°	769.5	661.9	374.1	125.9	110.7	106.6	102.5	99.4	98.9	99.4	99.7
45°	808.1	676.8	332.0	119.2	107.7	102.5	97.6	95.3	95.3	95.8	95.8
47.5°	876.9	715.8	290.3	115.1	104.6	99.2	94.0	91.7	91.5	92.0	92.0
50°	996.1	786.2	252.8	112.3	102.3	96.6	91.5	88.4	87.6	87.4	87.4
52.5°	1146.5	908.3	228.9	110.2	99.4	93.8	88.6	84.5	83.0	82.2	82.2
55°	1328.1	1070.9	228.9	108.7	95.8	90.4	84.5	80.4	78.1	77.1	77.1
57.5°	1533.9	1260.3	268.5	107.4	93.0	86.6	80.2	76.1	73.5	71.9	71.9
60°	1743.3	1460.4	366.4	105.6	90.4	81.7	75.3	71.4	68.1	66.3	66.0
62.5°	1960.4	1680.9	495.4	106.6	88.6	77.1	70.1	65.8	62.9	61.2	60.9
65°	2159.3	1890.8	608.2	114.6	88.9	73.0	64.2	60.4	58.1	55.8	55.5
67.5°	2328.1	2006.7	529.0	130.8	94.3	68.1	58.3	54.5	52.4	50.9	50.6
70°	2209.9	1829.9	300.1	140.8	101.7	62.9	51.6	49.1	47.0	46.0	45.7
72.5°	1889.8	1549.3	200.7	124.4	92.8	56.3	45.5	43.4	41.9	40.6	40.3
75°	1530.8	1228.7	153.4	102.0	72.2	45.7	39.1	37.5	36.0	34.7	34.4
77.5°	905.7	709.9	113.1	80.7	50.9	35.7	32.4	31.1	29.5	28.5	28.3
80°	289.1	246.7	71.7	55.5	33.7	27.5	24.9	23.9	22.4	21.1	20.8
82.5°	110.2	95.3	38.0	28.3	22.4	18.8	16.7	15.7	14.6	13.4	13.1
85°	48.8	45.7	21.1	15.2	12.1	9.2	8.2	7.7	6.4	5.4	5.1
87.5°	17.2	17.2	9.0	4.4	2.6	1.3	0.8	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)