

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: P629454

Luminaire Tested: GWS-SA1B-760-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629454  
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-760-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3553.3 lumens  
Efficiency: N/A  
Efficacy: 142.1 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

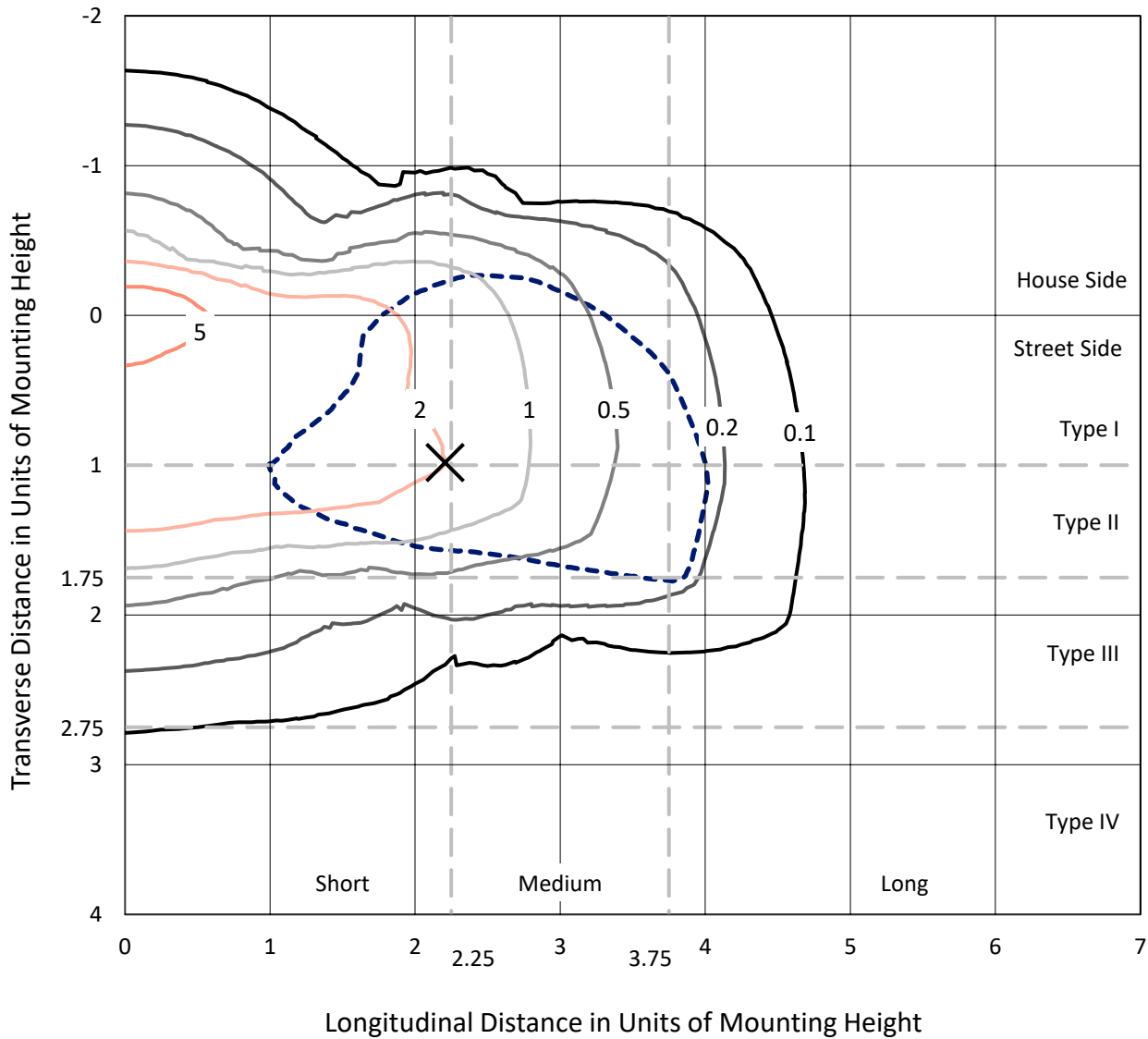


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### Iso-Footcandle Lines of Horizontal Illumination

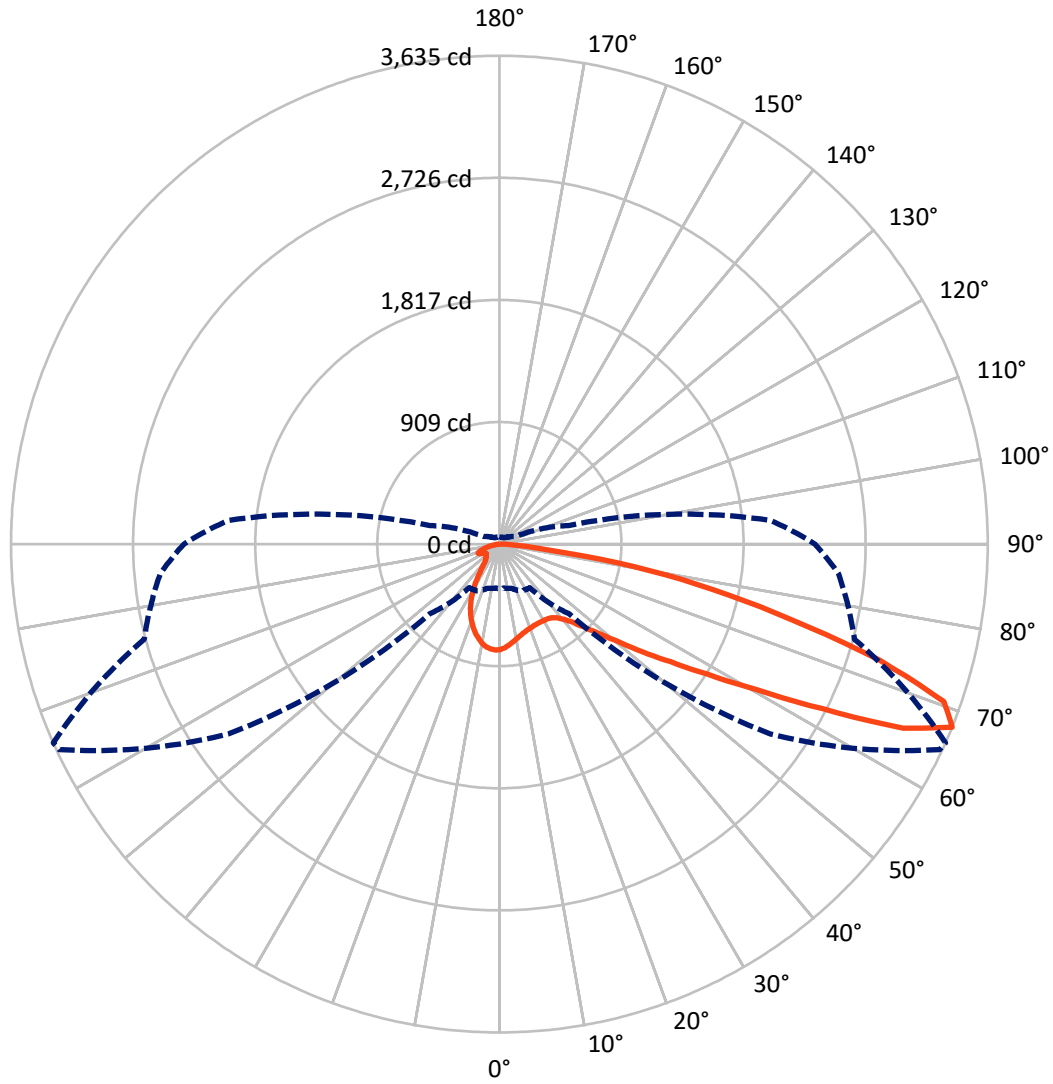
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 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	721.1	0.0	721.1
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	2832.3	0.0	2832.3
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	3553.3	0.0	3553.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.9	1.9
10°-20°	169.4	4.8
20°-30°	232.8	6.6
30°-40°	318.3	9.0
40°-50°	482.2	13.6
50°-60°	749.6	21.1
60°-70°	912.7	25.7
70°-80°	556.0	15.6
80°-90°	63.5	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°	3553.3	100.0
0°-180°	3553.3	100.0

**Coefficient of Utilization**



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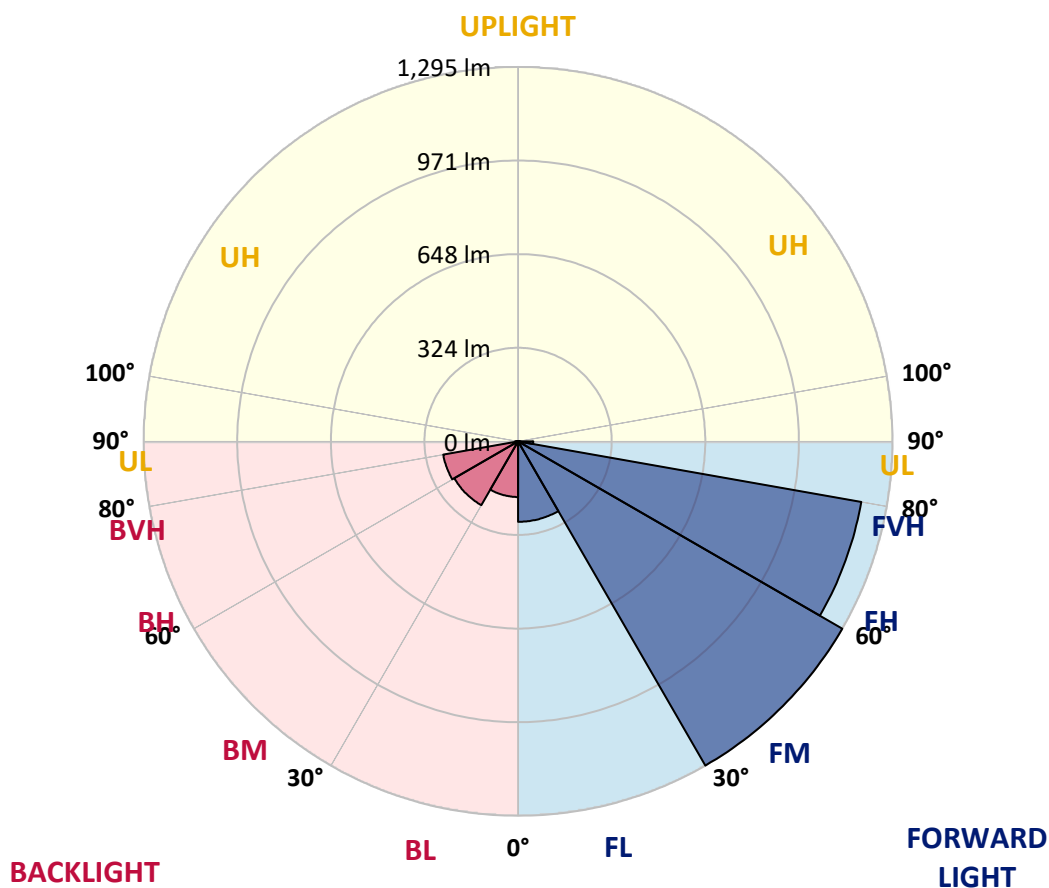
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.4	7.8			
FM (30°-60°)	1295.3	36.5			
FH (60°-80°)	1205.7	33.9			G1/1800
FVH (80°-90°)	52.8	1.5			G1/100
BL (0°-30°)	192.6	5.4	B1/500		
BM (30°-60°)	254.8	7.2	B1/1000		
BH (60°-80°)	262.9	7.4	B1/500		G1/500
BVH (80°-90°)	10.7	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°	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2
2.5°	735.4	738.0	736.4	746.3	746.8	759.3	766.3	772.2	772.7	780.5	785.7
5°	685.1	686.7	686.7	696.0	702.2	718.8	734.9	752.0	753.3	772.0	786.2
7.5°	644.4	646.0	644.9	657.4	665.4	683.8	704.3	730.5	733.1	763.1	788.0
10°	612.5	612.0	614.6	626.0	636.4	658.4	681.2	711.0	714.9	753.0	790.1
12.5°	590.8	591.3	592.8	604.8	615.9	637.7	661.3	693.7	697.8	741.4	789.1
15°	580.4	579.4	580.7	591.5	602.2	621.4	645.7	679.2	683.3	731.0	789.3
17.5°	578.1	577.3	577.0	584.8	592.8	610.7	634.1	668.0	672.4	724.3	790.9
20°	585.3	584.3	581.4	584.8	588.2	603.2	625.8	660.0	664.9	719.9	794.0
22.5°	605.3	603.5	599.1	594.9	590.5	599.6	620.6	654.0	658.9	717.0	797.1
25°	635.6	634.1	629.4	620.1	604.0	602.4	619.5	651.4	656.3	714.9	798.4
27.5°	677.3	675.0	670.3	656.9	630.7	613.1	623.4	651.2	655.8	712.6	797.1
30°	726.9	725.3	722.7	706.4	671.4	635.6	632.2	653.2	656.9	711.3	794.5
32.5°	777.1	775.6	777.7	769.9	726.9	672.9	651.4	658.9	661.5	711.0	792.2
35°	821.5	823.3	838.3	839.6	797.4	723.5	681.7	672.2	672.7	716.2	793.2
37.5°	867.9	874.9	894.6	911.4	876.2	790.4	726.9	697.0	696.5	729.4	799.7
40°	929.3	932.4	957.6	989.2	967.2	882.1	790.9	737.7	734.1	756.4	817.1
42.5°	989.2	996.7	1036.9	1073.2	1065.9	985.6	871.5	798.7	792.2	804.1	852.8
45°	1065.4	1072.7	1117.8	1164.4	1177.6	1102.5	974.7	885.2	878.8	875.9	918.4
47.5°	1141.6	1149.1	1189.6	1257.0	1303.4	1248.7	1108.9	999.6	988.9	977.8	1017.4
50°	1192.9	1201.7	1240.4	1321.2	1430.1	1431.2	1268.1	1149.4	1135.9	1118.3	1156.9
52.5°	1191.1	1196.8	1233.6	1326.9	1521.4	1640.9	1481.2	1340.2	1329.3	1290.9	1324.6
55°	1097.5	1106.1	1143.2	1259.8	1531.2	1839.7	1794.3	1565.2	1545.7	1477.0	1514.1
57.5°	909.6	916.9	954.2	1098.1	1443.9	1941.6	2192.0	1851.9	1825.2	1679.7	1722.5
60°	686.7	677.9	695.5	821.5	1234.9	1944.2	2543.0	2240.7	2196.1	1896.5	1932.2
62.5°	515.3	506.5	510.4	545.9	837.3	1787.1	2743.1	2772.6	2699.0	2141.2	2134.2
65°	407.2	402.3	413.5	437.8	488.1	1360.9	2744.6	3347.8	3301.4	2424.7	2341.3
67.5°	331.8	328.7	340.1	385.2	395.8	731.3	2461.0	3616.4	3634.5	2735.3	2533.4
70°	267.3	262.6	280.5	339.8	368.1	442.5	1763.0	3479.5	3508.8	2920.4	2479.2
72.5°	184.6	184.8	193.9	275.3	355.4	382.1	997.2	2897.3	2960.8	2752.7	2179.5
75°	124.4	125.5	128.1	181.7	327.4	370.7	531.4	2193.5	2238.4	2275.2	1801.6
77.5°	75.2	75.7	81.7	109.9	225.8	346.1	360.1	1590.1	1625.3	1499.8	1116.7
80°	43.5	45.4	50.8	73.6	152.4	260.0	278.7	974.9	1014.8	666.7	354.9
82.5°	19.2	20.5	27.7	42.8	88.9	221.1	217.5	385.2	379.5	185.9	123.1
85°	3.4	4.1	6.0	13.5	32.7	116.6	168.8	170.0	159.9	70.5	51.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	25.4	45.6	45.4	20.0	17.6
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°	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2
2.5°	789.1	782.1	788.3	789.1	787.8	786.7	779.0	772.2	771.4	764.2	764.2
5°	791.9	785.4	788.5	782.6	773.3	763.7	747.1	735.7	730.5	721.2	721.2
7.5°	795.8	789.1	785.4	770.7	748.9	727.9	701.2	678.9	669.8	656.6	656.1
10°	799.4	790.9	778.4	749.7	714.9	681.5	642.6	611.0	589.5	573.7	573.7
12.5°	799.2	788.0	763.4	720.9	672.9	624.5	572.6	524.9	496.4	471.8	470.2
15°	798.7	783.4	744.2	687.5	623.9	556.8	486.3	424.1	381.8	357.7	355.7
17.5°	798.1	777.4	722.7	649.3	564.3	472.8	379.8	312.4	277.1	262.3	262.8
20°	798.1	770.7	699.6	605.5	495.6	372.2	278.7	229.7	220.9	221.6	222.4
22.5°	795.8	762.4	674.0	557.8	419.2	273.7	205.6	189.0	193.6	200.9	201.9
25°	790.4	748.6	644.2	505.0	328.2	199.3	167.7	164.6	173.2	182.2	184.8
27.5°	781.8	732.8	610.7	443.0	241.6	160.2	147.5	147.2	154.0	160.7	163.0
30°	772.7	715.2	575.5	374.1	175.0	139.5	134.5	134.5	137.9	142.1	141.5
32.5°	762.1	697.3	537.6	302.3	142.6	127.8	126.2	125.5	126.0	127.5	127.5
35°	753.0	681.5	498.7	226.3	127.8	121.3	119.8	117.9	117.2	116.1	116.6
37.5°	749.7	669.0	458.6	170.6	120.5	116.6	114.1	111.5	109.7	109.1	108.9
40°	755.1	663.9	418.4	140.5	115.4	111.7	108.9	105.5	103.9	103.9	103.9
42.5°	776.4	667.8	377.4	127.0	111.7	107.6	103.4	100.3	99.8	100.3	100.6
45°	815.2	682.8	334.9	120.3	108.6	103.4	98.5	96.2	96.2	96.7	96.7
47.5°	884.7	722.2	292.9	116.1	105.5	100.1	94.9	92.5	92.3	92.8	92.8
50°	1005.0	793.2	255.1	113.3	103.2	97.5	92.3	89.2	88.4	88.1	88.1
52.5°	1156.6	916.3	231.0	111.2	100.3	94.6	89.4	85.3	83.7	83.0	83.0
55°	1339.9	1080.4	231.0	109.7	96.7	91.2	85.3	81.1	78.8	77.8	77.8
57.5°	1547.5	1271.5	270.9	108.4	93.8	87.4	80.9	76.7	74.1	72.6	72.6
60°	1758.8	1473.4	369.6	106.5	91.2	82.4	76.0	72.1	68.7	66.9	66.6
62.5°	1977.9	1695.8	499.8	107.6	89.4	77.8	70.8	66.4	63.5	61.7	61.4
65°	2178.5	1907.6	613.6	115.6	89.7	73.6	64.8	60.9	58.6	56.3	56.0
67.5°	2348.8	2024.5	533.7	131.9	95.1	68.7	58.8	55.0	52.9	51.3	51.1
70°	2229.6	1846.2	302.8	142.1	102.7	63.5	52.1	49.5	47.4	46.4	46.1
72.5°	1906.6	1563.1	202.5	125.5	93.6	56.8	45.9	43.8	42.3	41.0	40.7
75°	1544.4	1239.6	154.8	102.9	72.8	46.1	39.4	37.8	36.3	35.0	34.7
77.5°	913.8	716.2	114.1	81.4	51.3	36.0	32.7	31.4	29.8	28.8	28.5
80°	291.6	248.9	72.3	56.0	34.0	27.7	25.1	24.1	22.6	21.3	21.0
82.5°	111.2	96.2	38.4	28.5	22.6	18.9	16.8	15.8	14.8	13.5	13.2
85°	49.3	46.1	21.3	15.3	12.2	9.3	8.3	7.8	6.5	5.4	5.2
87.5°	17.4	17.4	9.1	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)