

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: P629962

Luminaire Tested: GWS-SA1C-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4840.5 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B2 - U0 - G2

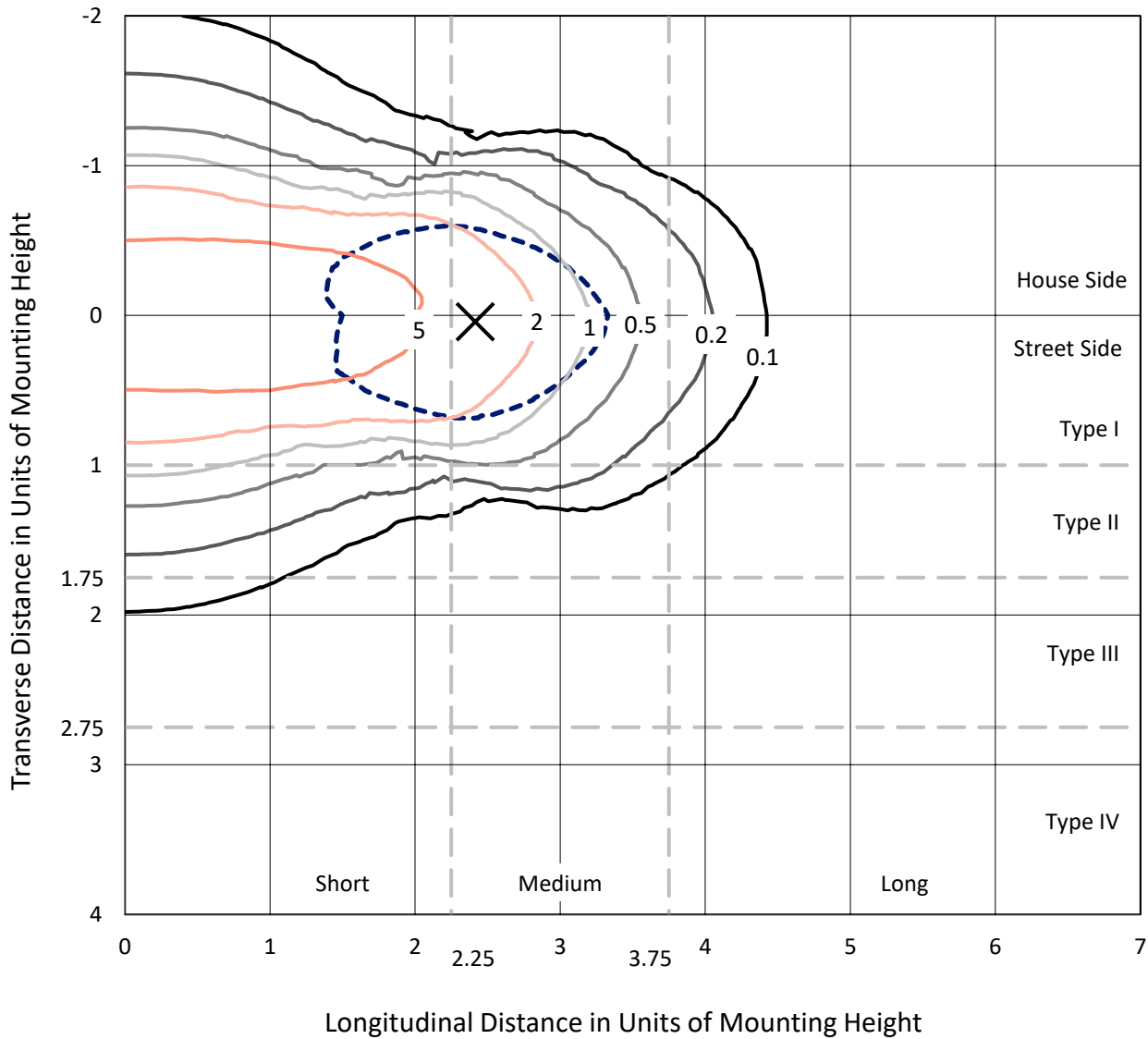
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

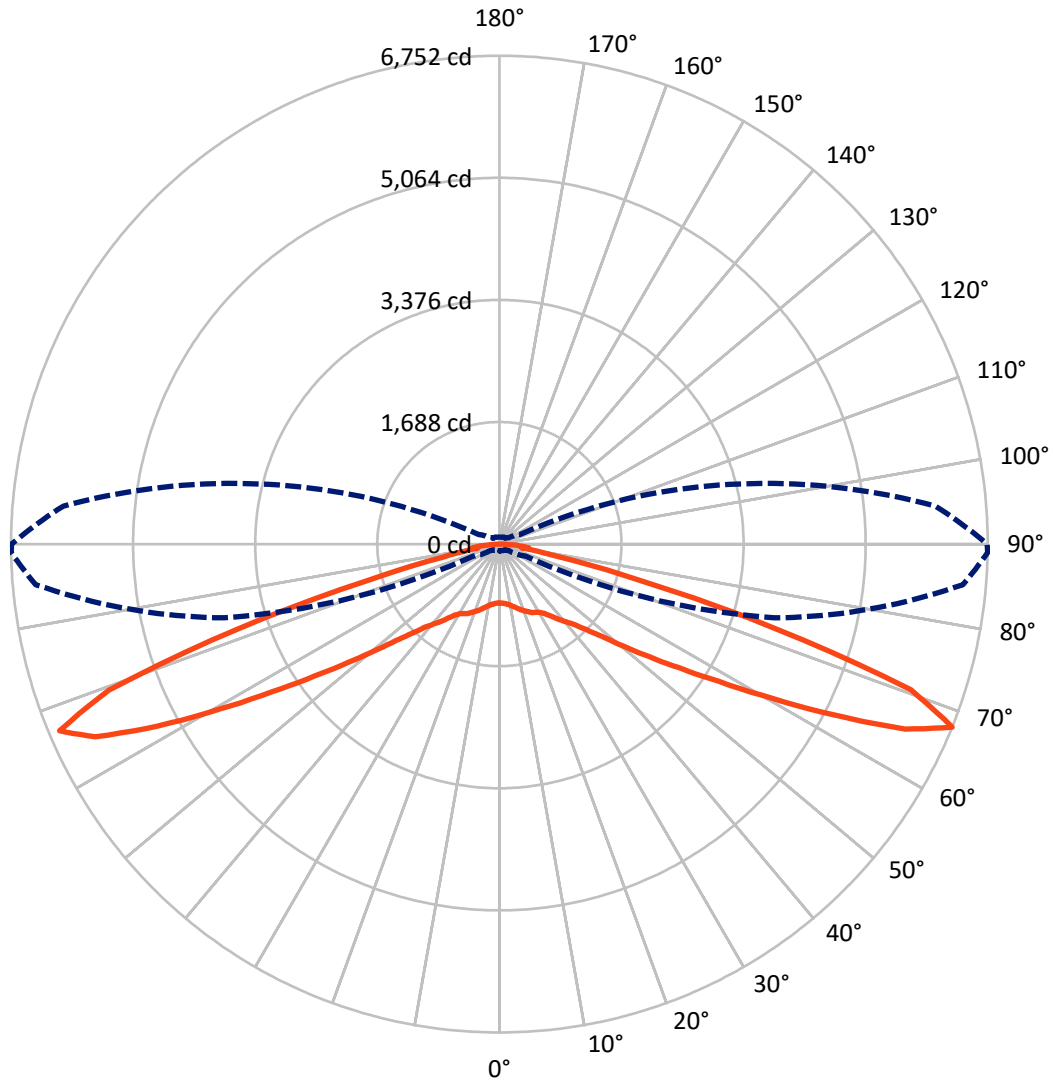
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2399.0	0.0	2399.0
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	2441.5	0.0	2441.5
	% Fixture	50.4	0.0	50.4
Total	Lumens	4840.5	0.0	4840.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	1.7
10°-20°	265.4	5.5
20°-30°	448.6	9.3
30°-40°	615.6	12.7
40°-50°	785.0	16.2
50°-60°	985.0	20.3
60°-70°	1187.9	24.5
70°-80°	429.8	8.9
80°-90°	41.8	0.9
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°	4840.5	100.0
0°-180°	4840.5	100.0

Coefficient of Utilization



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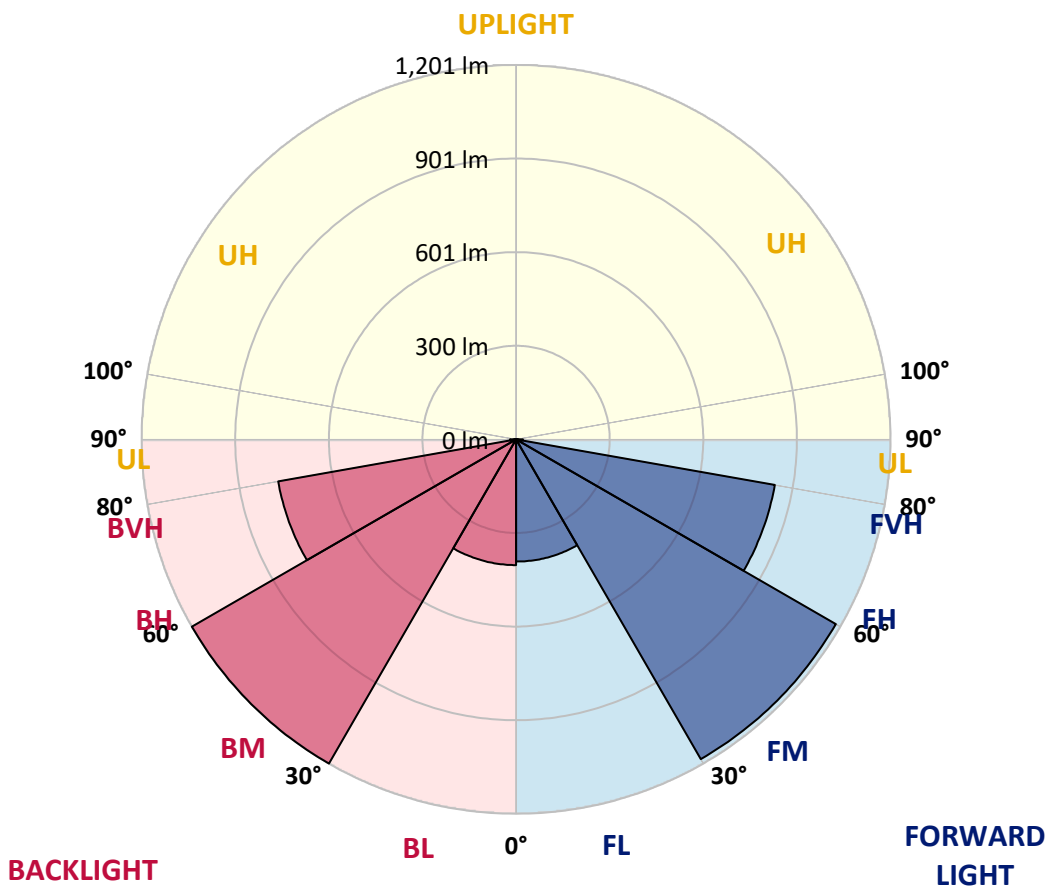
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	392.0	8.1			
FM (30°-60°)	1184.6	24.5			
FH (60°-80°)	842.8	17.4			G1/1800
FVH (80°-90°)	22.0	0.5			G1/100
BL (0°-30°)	403.4	8.3	B1/500		
BM (30°-60°)	1201.0	24.8	B2/2500		
BH (60°-80°)	774.9	16.0	B2/1000		G2/1000
BVH (80°-90°)	19.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	812.4	812.4	812.4	812.4	812.4	812.4	812.4	812.4	812.4	812.4	812.4
2.5°	814.9	814.2	812.4	817.7	816.6	817.0	819.0	817.7	815.2	811.0	817.0
5°	837.8	837.5	833.6	836.8	833.3	830.9	830.5	827.0	824.3	819.7	826.0
7.5°	860.1	859.7	856.6	862.2	859.4	856.6	853.5	846.5	839.9	833.3	840.3
10°	877.1	876.8	876.1	884.1	884.7	885.8	884.4	872.6	861.1	853.1	860.1
12.5°	886.8	887.9	889.6	904.2	911.5	918.5	920.2	910.5	891.4	879.9	888.2
15°	880.2	882.3	891.0	917.4	937.6	953.2	959.8	951.8	927.2	908.0	917.4
17.5°	848.6	850.3	867.4	907.7	952.2	988.3	999.1	994.3	966.8	943.5	952.5
20°	804.8	808.6	827.0	883.4	949.8	1012.7	1041.5	1039.8	1009.9	974.1	984.9
22.5°	765.2	769.7	789.1	851.4	933.4	1018.9	1084.3	1088.8	1049.2	1004.7	1013.4
25°	720.7	724.8	749.9	813.5	905.3	1014.1	1120.8	1141.3	1093.7	1039.8	1047.8
27.5°	675.1	678.2	702.9	770.7	868.4	1005.0	1149.7	1199.0	1137.5	1064.1	1069.7
30°	635.1	639.3	661.9	728.0	828.1	987.0	1173.3	1260.5	1187.9	1091.6	1096.1
32.5°	596.6	600.0	624.7	685.9	785.3	959.1	1194.5	1332.9	1262.6	1142.7	1142.7
35°	547.9	554.1	582.0	645.6	745.0	922.3	1209.8	1417.0	1364.8	1218.1	1218.5
37.5°	503.0	506.5	535.7	600.0	702.6	880.6	1211.2	1504.2	1494.2	1314.1	1314.8
40°	451.9	456.5	487.7	551.4	653.9	836.8	1198.0	1585.6	1629.7	1412.8	1409.0
42.5°	400.1	406.7	436.6	498.9	601.4	783.2	1162.9	1663.1	1801.8	1527.2	1517.8
45°	350.1	354.2	384.1	442.9	541.3	719.3	1106.5	1737.5	2006.2	1701.0	1687.5
47.5°	293.8	295.5	326.4	382.8	479.1	648.0	1025.9	1803.9	2230.8	1931.2	1907.9
50°	243.7	246.1	270.5	318.8	402.9	563.5	925.4	1842.8	2516.9	2245.1	2204.7
52.5°	197.1	199.5	219.0	257.6	333.0	467.2	801.0	1833.8	2807.2	2634.8	2576.0
55°	159.2	161.0	174.2	204.4	262.1	371.6	653.9	1752.8	3129.5	3143.7	3017.2
57.5°	134.5	135.2	144.3	162.7	204.8	286.5	504.8	1561.6	3467.4	3793.1	3585.2
60°	120.3	120.6	124.8	136.3	161.7	218.7	369.9	1257.1	3817.5	4605.6	4320.5
62.5°	111.2	111.2	114.7	121.3	134.2	168.3	271.9	902.8	4068.8	5489.6	5206.3
65°	102.6	102.6	105.0	110.6	117.5	137.3	204.1	582.3	4192.2	6228.7	6165.8
67.5°	91.4	91.8	93.5	99.4	105.7	114.7	154.7	393.9	3936.0	6433.1	6751.6
70°	81.0	81.3	83.8	87.6	92.8	99.1	121.0	271.5	2864.9	5357.9	6036.8
72.5°	69.5	70.9	72.7	76.8	80.0	84.5	98.7	175.9	1666.9	3446.5	3990.6
75°	57.0	58.8	60.8	65.0	67.1	68.8	81.3	125.5	802.0	1746.6	1988.9
77.5°	44.2	45.9	48.3	52.1	53.5	55.6	62.2	90.7	384.1	774.2	834.7
80°	29.5	30.2	32.3	36.9	39.3	40.7	45.9	61.9	166.9	310.8	308.0
82.5°	18.1	18.4	19.1	21.9	22.9	24.3	29.9	37.9	79.6	353.2	405.0
85°	6.6	6.3	5.9	7.6	9.0	10.4	13.9	19.1	34.8	242.7	271.5
87.5°	0.0	0.0	0.0	0.3	0.7	0.7	1.4	2.8	8.3	90.7	62.2
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°	812.4	812.4	812.4	812.4	812.4	812.4	812.4	812.4	812.4	812.4	812.4
2.5°	815.2	811.4	816.3	819.7	827.4	830.2	830.9	828.4	828.4	824.3	825.0
5°	824.6	822.2	830.2	836.1	847.2	851.4	854.2	852.4	853.5	850.7	851.4
7.5°	838.9	836.8	850.7	862.2	873.6	878.5	880.9	879.5	879.9	876.4	877.4
10°	858.7	859.4	876.1	891.0	906.3	911.2	912.2	908.0	904.6	898.3	898.7
12.5°	885.8	889.3	912.9	929.6	945.2	952.2	944.5	929.2	915.0	904.2	902.8
15°	915.3	921.6	955.7	976.9	993.9	990.4	967.8	933.4	905.3	889.3	886.1
17.5°	950.8	960.2	1002.9	1028.3	1042.9	1020.7	973.4	921.9	882.7	861.1	856.9
20°	984.2	999.1	1053.0	1086.0	1087.8	1037.7	971.0	898.7	849.3	822.9	817.3
22.5°	1014.8	1033.9	1105.5	1147.6	1125.0	1045.4	956.0	865.6	809.0	778.0	773.2
25°	1048.1	1075.3	1166.7	1206.0	1162.2	1042.2	924.7	824.6	760.3	728.7	725.2
27.5°	1071.1	1105.2	1228.2	1265.8	1192.8	1024.5	884.4	779.8	715.8	685.9	681.0
30°	1097.5	1141.0	1296.0	1330.8	1211.5	998.4	841.3	738.0	674.4	642.1	638.6
32.5°	1145.5	1200.1	1380.1	1399.6	1217.4	966.1	799.9	697.7	631.3	599.0	594.1
35°	1222.7	1286.6	1498.3	1476.4	1212.9	930.6	760.6	650.4	587.2	556.9	552.1
37.5°	1320.0	1399.6	1630.1	1545.6	1200.4	891.7	714.1	610.8	547.5	516.9	514.2
40°	1410.7	1508.8	1777.8	1605.4	1175.0	843.7	669.2	569.4	504.8	472.4	466.2
42.5°	1524.4	1654.8	1948.9	1657.2	1133.3	786.4	618.8	518.3	451.2	422.0	414.4
45°	1697.2	1859.2	2147.7	1706.9	1071.1	715.8	555.5	456.1	392.5	362.6	356.7
47.5°	1912.7	2114.7	2363.3	1736.5	976.5	641.4	483.9	390.4	326.8	293.1	290.3
50°	2215.5	2486.3	2594.5	1731.3	870.8	553.1	403.3	312.2	259.0	234.7	230.8
52.5°	2584.4	2952.9	2844.4	1668.7	758.6	452.6	314.3	245.1	205.5	188.1	184.9
55°	3047.1	3511.5	3107.6	1534.5	616.7	346.6	246.8	193.3	166.2	155.7	154.4
57.5°	3620.0	4235.0	3361.0	1308.5	463.8	264.6	190.2	159.6	146.7	140.4	140.1
60°	4376.1	5002.9	3581.1	1016.9	332.0	202.3	157.1	142.5	132.5	128.3	127.9
62.5°	5275.1	5700.3	3718.0	692.5	249.6	161.3	138.4	129.3	123.4	121.0	120.6
65°	6199.1	6141.1	3652.7	453.7	189.5	137.0	124.1	119.2	114.0	111.6	111.6
67.5°	6744.9	6047.9	3151.0	315.0	150.2	120.3	111.9	107.4	98.7	96.6	96.6
70°	5974.2	4900.7	2065.3	230.5	121.7	105.3	97.3	91.1	87.6	85.5	85.2
72.5°	3951.3	3188.9	1098.2	159.9	101.5	89.7	82.4	80.0	75.8	73.7	73.4
75°	1966.6	1674.9	562.8	115.4	84.5	72.0	68.8	67.8	64.3	61.5	60.8
77.5°	819.7	745.7	262.5	83.8	64.3	58.1	55.3	55.3	51.5	48.3	46.9
80°	309.1	275.3	124.1	57.4	47.6	43.1	41.4	40.0	36.9	33.0	30.9
82.5°	413.3	270.1	60.8	35.8	31.3	27.8	25.4	24.3	22.6	20.9	19.5
85°	267.7	191.9	27.5	18.4	15.6	11.8	10.4	9.7	8.7	7.6	7.0
87.5°	54.6	64.3	8.3	3.5	2.1	1.0	1.0	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)