

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: P629927

Luminaire Tested: GWS-SA1C-750-U-T4W-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629927  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-750-U-T4W-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

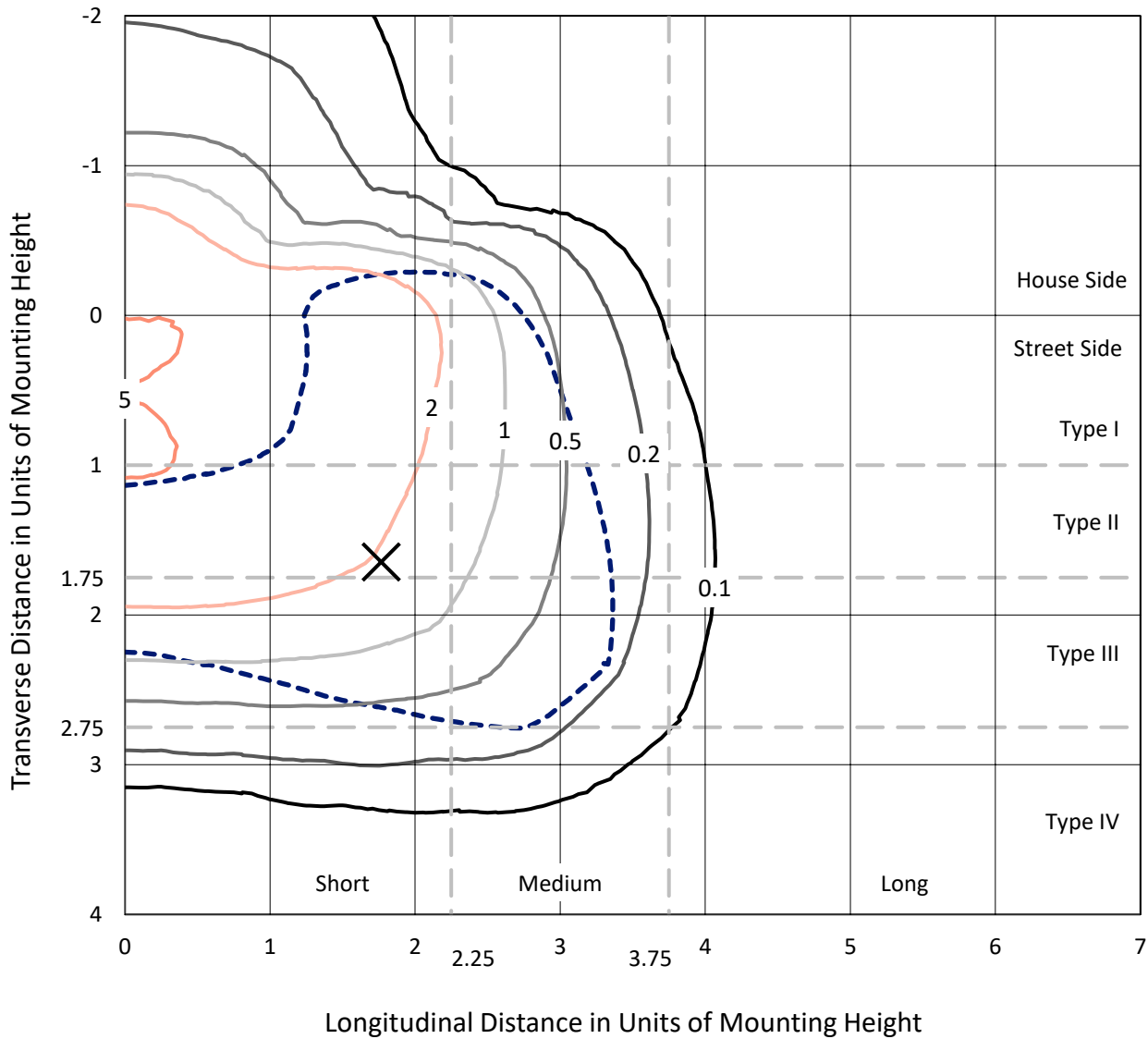
Lumens per Lamp: N/A  
Luminaire Lumens: 4874.6 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

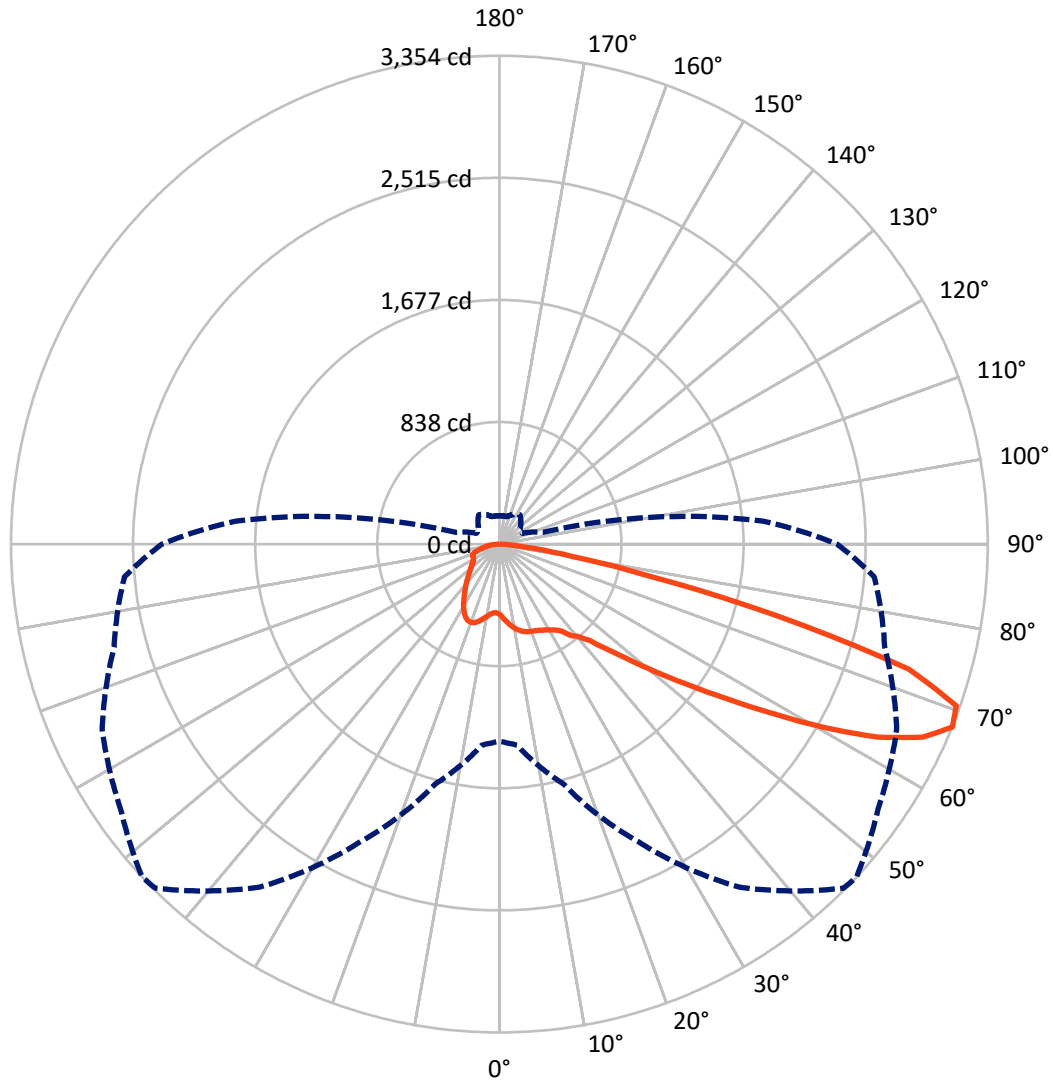
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1111.0	0.0	1111.0
	% Fixture	22.8	0.0	22.8
<b>Street Side</b>	Lumens	3763.6	0.0	3763.6
	% Fixture	77.2	0.0	77.2
<b>Total</b>	Lumens	4874.6	0.0	4874.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.4	1.0
10°-20°	164.5	3.4
20°-30°	279.7	5.7
30°-40°	409.7	8.4
40°-50°	624.2	12.8
50°-60°	1116.8	22.9
60°-70°	1490.3	30.6
70°-80°	673.9	13.8
80°-90°	66.0	1.4
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°	4874.6	100.0
0°-180°	4874.6	100.0

**Coefficient of Utilization**



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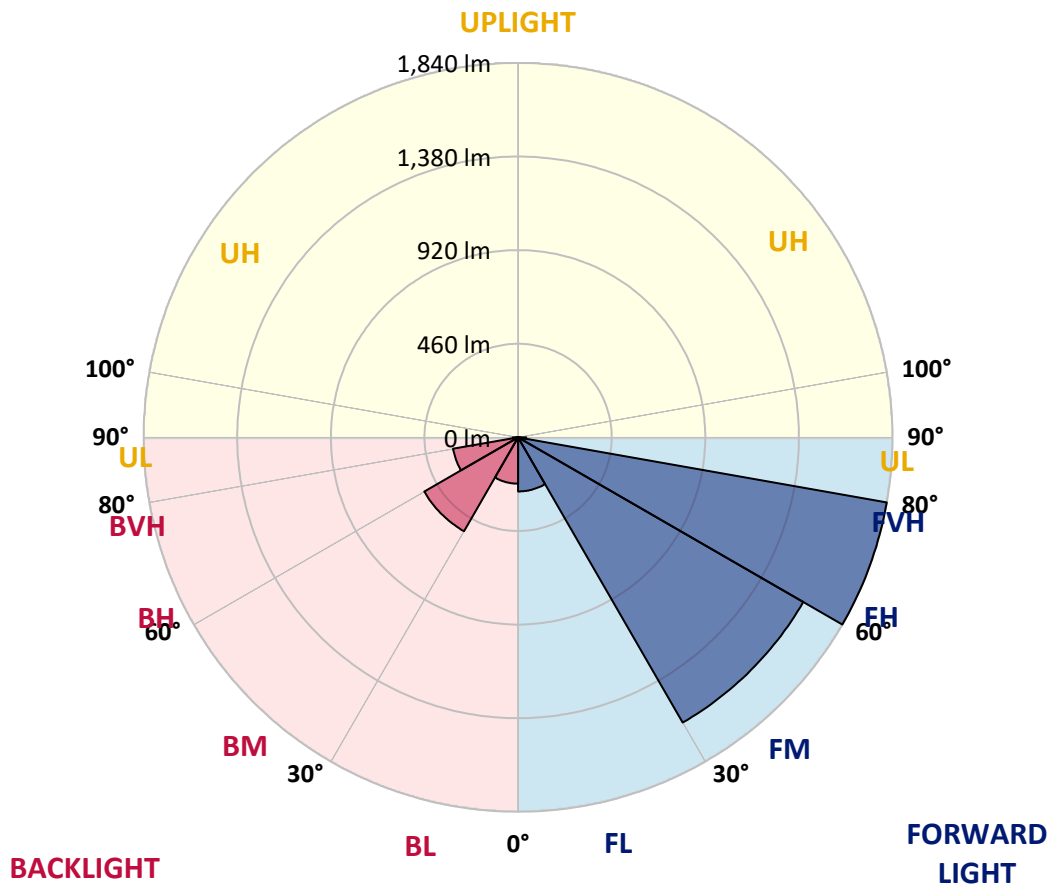
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.8	5.5			
FM (30°-60°)	1618.4	33.2			
FH (60°-80°)	1840.1	37.7			G2/5000
FVH (80°-90°)	39.3	0.8			G1/100
BL (0°-30°)	227.8	4.7	B1/500		
BM (30°-60°)	532.3	10.9	B1/1000		
BH (60°-80°)	324.1	6.6	B1/500		G1/500
BVH (80°-90°)	26.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2
2.5°	515.3	517.1	516.7	513.9	512.1	509.0	509.3	504.4	497.0	492.0	486.4
5°	560.8	563.6	560.1	555.5	548.4	538.2	537.2	525.9	511.8	501.9	491.7
7.5°	600.2	602.0	597.8	590.0	579.8	566.1	563.6	550.2	532.6	517.1	502.3
10°	630.9	633.0	627.4	617.2	603.8	590.0	588.3	574.5	555.8	537.5	518.8
12.5°	657.0	657.7	651.7	638.0	623.5	609.4	607.6	595.0	577.7	559.0	538.6
15°	672.1	672.5	665.1	649.9	636.2	623.9	622.8	611.9	596.0	578.4	556.5
17.5°	671.1	671.8	666.5	653.1	641.1	633.7	632.7	625.6	613.3	597.4	575.6
20°	658.0	658.8	655.2	646.4	640.1	638.0	638.3	636.2	628.8	615.8	593.5
22.5°	647.8	648.9	645.7	639.4	638.7	643.6	644.7	645.7	642.2	630.6	609.1
25°	652.8	654.5	649.6	640.8	642.2	653.1	655.2	658.8	655.9	646.1	627.4
27.5°	687.0	688.0	675.3	657.3	653.1	664.7	667.9	673.6	671.4	662.3	647.8
30°	766.3	765.6	738.4	694.4	676.7	681.3	683.8	691.9	692.6	686.6	672.9
32.5°	878.0	874.5	832.5	762.4	711.3	700.0	702.8	713.7	721.8	715.5	696.8
35°	996.1	992.9	946.7	864.6	775.1	735.9	732.8	741.2	753.6	735.9	709.2
37.5°	1108.5	1103.6	1056.3	954.8	853.7	799.0	794.5	786.0	778.6	744.8	724.3
40°	1233.3	1227.6	1186.4	1071.5	940.4	847.3	835.7	802.2	795.5	774.0	763.8
42.5°	1366.5	1366.5	1332.3	1219.2	1045.1	916.4	901.2	850.8	857.9	843.8	831.8
45°	1499.7	1503.6	1476.5	1367.9	1185.0	1046.8	1022.5	950.9	967.9	961.5	955.5
47.5°	1613.2	1620.6	1615.3	1519.8	1356.3	1205.4	1168.4	1094.0	1130.3	1145.5	1162.4
50°	1735.5	1743.6	1738.3	1700.6	1556.8	1397.5	1364.4	1287.5	1349.9	1395.4	1450.7
52.5°	1917.0	1928.7	1884.6	1870.2	1800.4	1615.7	1586.1	1498.7	1611.8	1687.2	1810.6
55°	2070.4	2070.0	2054.5	2087.6	2061.9	1882.5	1849.7	1770.4	1914.9	1994.9	2175.4
57.5°	2141.6	2150.0	2203.2	2297.0	2348.5	2208.5	2177.2	2096.1	2240.3	2281.8	2476.8
60°	2178.2	2188.8	2291.7	2477.1	2615.6	2564.5	2552.2	2448.9	2530.0	2525.0	2730.9
62.5°	2126.8	2147.9	2313.2	2559.6	2806.3	2922.3	2918.4	2762.3	2776.4	2728.1	2888.4
65°	1890.6	1913.5	2172.9	2518.3	2915.2	3194.4	3195.4	3046.0	2965.6	2826.8	2862.0
67.5°	1352.0	1384.8	1705.6	2253.3	2876.8	3341.4	3353.7	3174.6	3010.0	2739.3	2584.3
70°	737.0	761.0	1012.3	1637.9	2530.7	3306.1	3329.0	3112.6	2814.1	2369.6	1989.3
72.5°	334.8	342.6	470.9	898.8	1728.8	2845.8	2941.7	2777.8	2311.1	1750.3	1265.0
75°	153.3	156.8	205.1	430.0	903.4	1904.4	1971.7	2069.0	1608.3	1105.3	659.5
77.5°	96.2	97.3	116.7	196.7	450.4	950.6	1021.4	1231.9	941.8	547.0	275.6
80°	56.7	57.8	72.6	106.4	211.5	434.9	502.3	487.1	442.7	236.2	125.5
82.5°	28.5	29.6	41.9	60.6	115.3	173.1	203.7	204.8	165.0	127.9	70.8
85°	10.2	10.6	13.7	24.0	49.0	57.1	63.8	77.9	80.7	74.4	34.2
87.5°	0.0	0.0	0.4	0.7	1.4	5.6	6.0	11.3	23.6	26.4	13.7
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°	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2
2.5°	484.6	479.4	477.6	475.8	473.0	471.9	469.8	467.7	467.7	465.6	464.5
5°	487.1	480.1	475.5	473.4	471.6	472.7	472.7	473.4	475.8	474.4	475.1
7.5°	495.9	487.8	481.5	479.7	479.7	483.9	486.8	490.3	494.9	495.6	495.6
10°	511.4	501.9	495.2	494.2	495.9	501.9	506.1	510.4	516.0	516.4	517.1
12.5°	528.3	518.8	512.1	513.5	515.3	523.1	527.6	531.2	536.8	536.8	536.4
15°	546.0	535.4	529.8	532.6	537.9	546.7	547.4	547.7	550.5	549.8	549.5
17.5°	564.3	553.0	548.8	553.0	558.7	562.9	559.4	554.4	553.4	552.0	551.3
20°	582.3	570.6	568.9	572.0	573.8	570.3	559.4	550.2	546.0	543.9	543.1
22.5°	597.8	587.9	586.9	586.9	578.0	565.7	549.5	537.2	531.5	528.7	528.0
25°	616.1	606.9	605.2	595.7	573.1	550.5	528.7	517.4	512.8	511.4	511.8
27.5°	637.6	631.3	625.6	598.5	559.0	523.8	499.1	494.2	492.4	494.2	495.2
30°	664.0	657.7	645.0	595.0	536.4	488.9	465.3	464.9	470.2	474.8	475.5
32.5°	685.5	682.7	661.9	583.7	504.7	450.4	430.4	431.8	441.3	447.6	448.7
35°	702.5	707.0	676.0	565.0	467.0	414.1	398.3	399.0	404.3	413.1	413.4
37.5°	726.4	741.9	688.7	536.4	423.7	382.8	368.3	363.0	362.3	364.8	365.5
40°	774.7	798.0	697.9	494.9	381.7	354.6	338.4	328.1	319.3	312.6	310.5
42.5°	847.7	874.5	703.2	444.5	344.4	326.7	308.4	295.4	279.9	265.8	260.8
45°	981.6	990.4	703.2	390.9	311.2	300.7	282.3	266.8	247.1	230.5	227.0
47.5°	1195.9	1167.7	703.9	339.1	282.0	277.7	261.9	244.3	222.4	208.7	206.5
50°	1518.8	1419.7	718.3	296.1	257.7	258.4	246.7	227.3	207.6	197.4	195.6
52.5°	1884.6	1730.2	757.1	264.3	237.2	242.5	236.2	217.5	199.8	191.0	189.3
55°	2228.6	2015.7	790.2	241.8	219.9	229.1	228.7	211.5	195.6	186.8	185.7
57.5°	2521.2	2211.4	785.3	223.5	205.1	216.8	222.1	207.6	192.8	185.4	184.3
60°	2703.0	2315.0	715.1	206.5	193.9	208.0	218.2	206.5	194.2	192.4	192.8
62.5°	2782.0	2295.9	580.5	193.9	186.5	203.7	222.4	213.9	207.2	211.5	213.9
65°	2659.3	2132.4	427.2	184.3	179.4	204.8	232.3	225.6	207.2	210.1	211.1
67.5°	2318.9	1815.2	308.8	174.8	170.6	208.0	246.4	223.8	195.3	195.3	193.1
70°	1671.0	1305.5	224.2	165.3	161.8	203.4	247.1	211.8	181.5	180.5	175.2
72.5°	1005.6	770.1	174.8	154.7	148.4	180.5	231.6	197.7	168.1	159.3	153.0
75°	522.4	385.9	146.6	143.1	127.2	153.0	211.8	175.9	143.8	136.1	132.5
77.5°	223.8	180.5	125.8	127.6	105.7	128.6	170.9	152.3	127.6	117.7	114.6
80°	110.3	102.6	99.4	102.2	84.6	99.4	147.3	133.2	108.2	96.9	92.3
82.5°	63.1	59.9	71.6	72.6	60.3	83.2	124.4	112.8	89.5	77.2	69.8
85°	29.3	31.4	43.4	43.7	37.4	57.1	81.4	63.4	47.6	39.5	37.7
87.5°	11.6	13.7	19.0	18.7	10.9	10.6	7.0	3.9	3.2	2.8	2.5
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)