

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: P645598

Luminaire Tested: GWS-SA1C-740-U-T3-W

Issue Date: 3/3/2023

Test Information

Test Method: LM-79-2019
Report Number: P645598
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/3/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4809.8 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

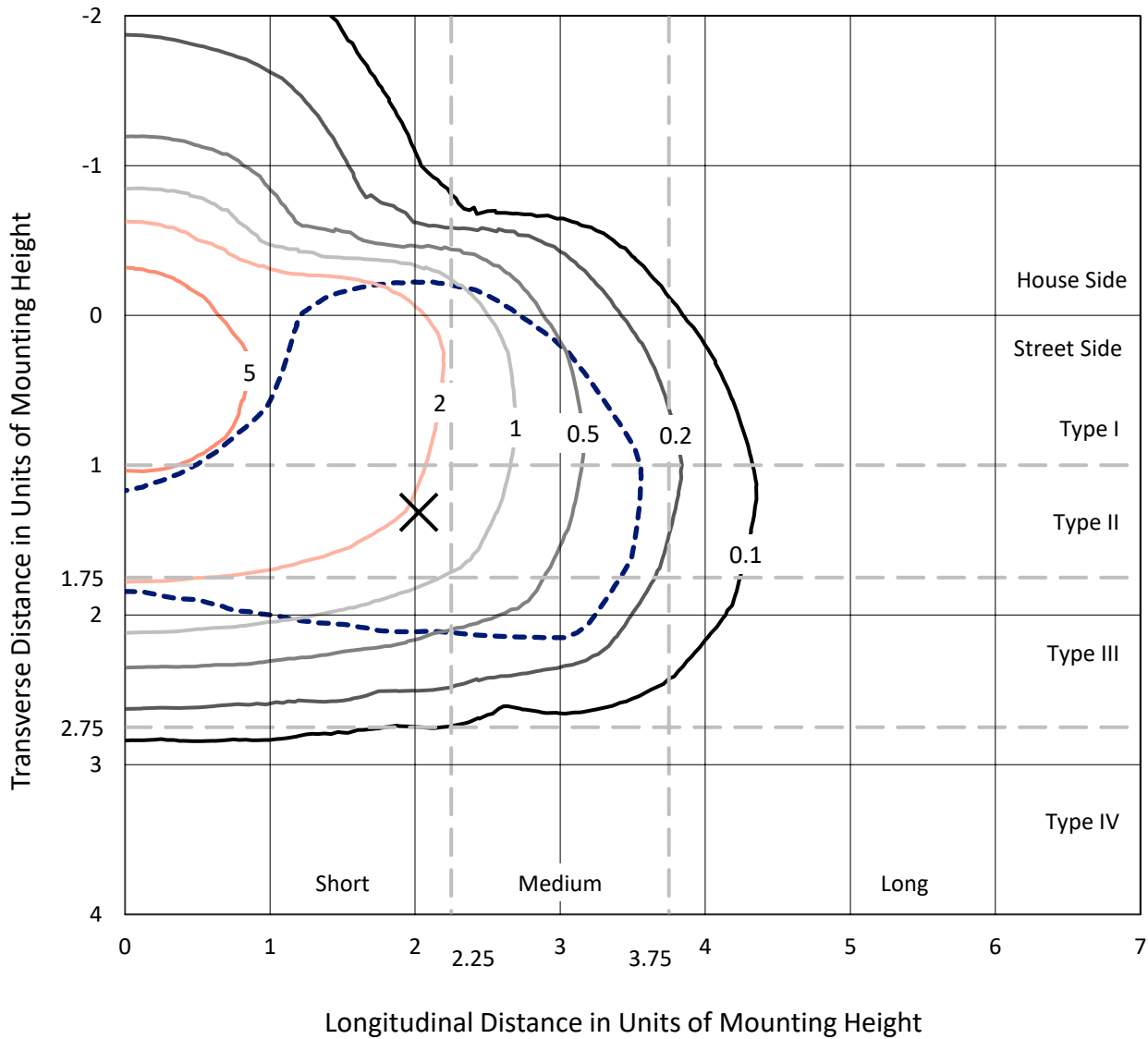
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

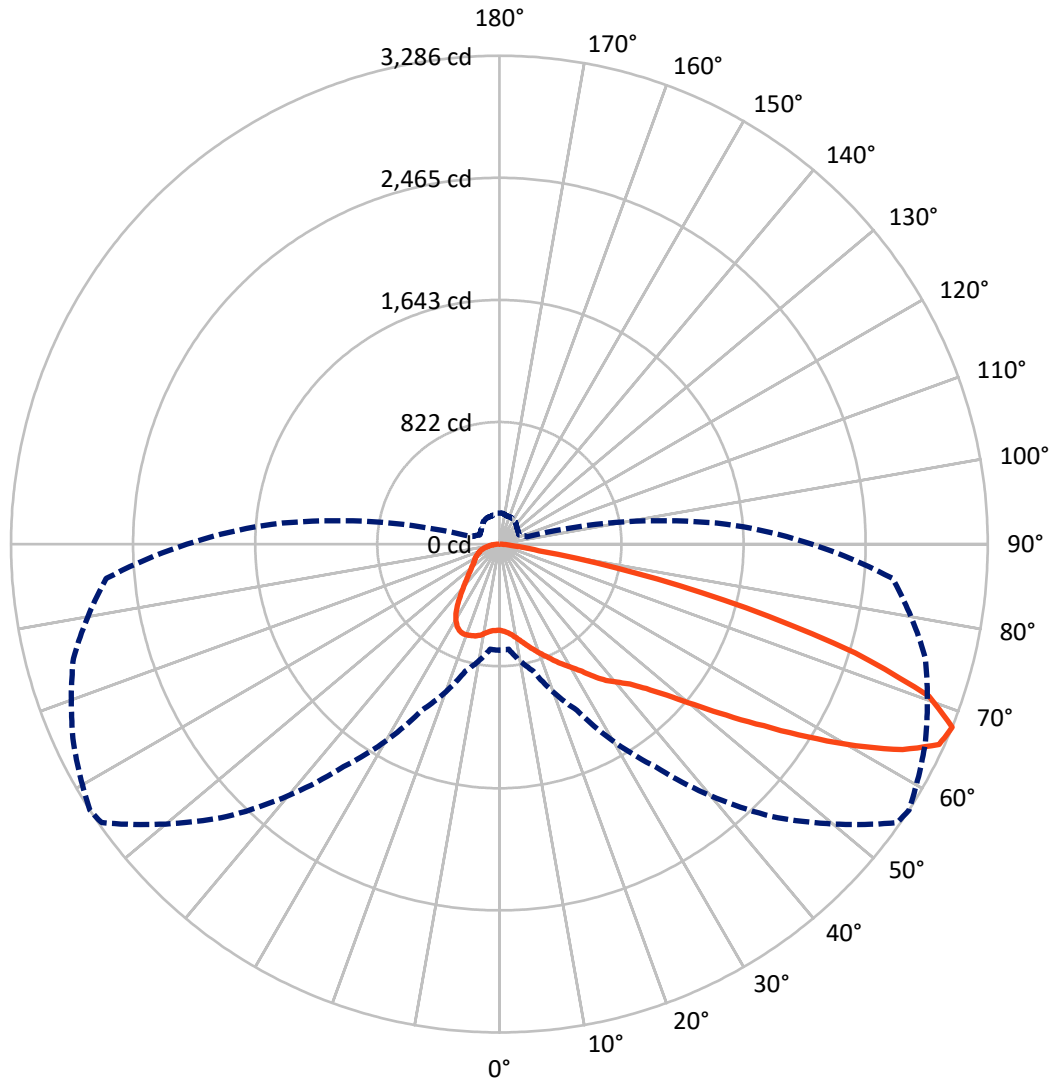
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1057.5	0.0	1057.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3752.3	0.0	3752.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	4809.8	0.0	4809.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	1.2
10°-20°	190.3	4.0
20°-30°	339.2	7.1
30°-40°	493.2	10.3
40°-50°	713.8	14.8
50°-60°	1117.1	23.2
60°-70°	1303.2	27.1
70°-80°	544.0	11.3
80°-90°	51.3	1.1
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°	4809.8	100.0
0°-180°	4809.8	100.0

Coefficient of Utilization



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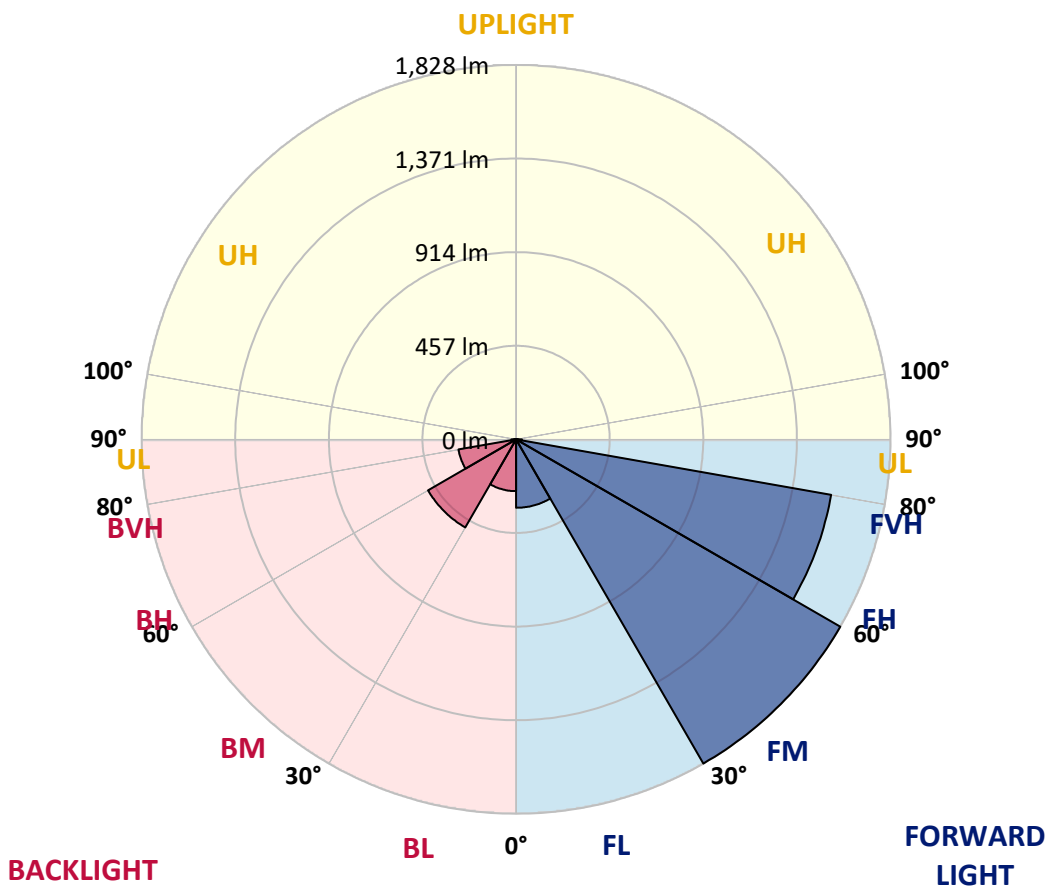
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.1	6.9			
FM (30°-60°)	1827.8	38.0			
FH (60°-80°)	1561.8	32.5			G1/1800
FVH (80°-90°)	28.6	0.6			G1/100
BL (0°-30°)	252.9	5.3	B1/500		
BM (30°-60°)	496.4	10.3	B1/1000		
BH (60°-80°)	285.4	5.9	B1/500		G1/500
BVH (80°-90°)	22.7	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5
2.5°	587.8	587.1	586.8	588.9	588.2	587.8	587.8	587.5	586.8	584.0	580.2
5°	604.0	602.6	601.3	603.0	601.6	600.2	599.9	599.2	596.8	592.6	586.8
7.5°	620.9	619.5	619.9	620.9	619.9	619.2	618.1	617.4	613.7	607.1	599.2
10°	644.7	644.7	645.4	646.4	646.7	645.7	643.6	642.6	638.1	629.9	618.8
12.5°	679.1	678.4	678.4	677.7	678.8	677.7	675.7	674.0	668.4	657.8	641.9
15°	724.6	721.9	719.4	715.0	713.6	709.8	710.5	709.4	704.3	689.8	669.8
17.5°	773.2	772.8	769.1	760.1	751.1	744.9	746.3	746.0	743.2	723.6	698.1
20°	815.9	817.6	814.2	807.3	795.2	783.5	782.8	784.6	781.1	761.5	726.0
22.5°	863.8	862.4	859.0	850.0	841.1	828.7	824.5	823.2	821.8	799.4	754.6
25°	909.3	913.4	908.9	900.7	886.9	873.5	870.0	871.4	867.6	838.0	785.2
27.5°	966.8	968.6	965.8	954.4	942.7	923.8	917.2	917.2	915.8	874.1	809.4
30°	1028.2	1033.0	1028.2	1018.9	1006.8	979.6	965.5	964.1	959.9	911.4	837.6
32.5°	1089.8	1093.3	1089.8	1080.9	1067.1	1043.3	1023.0	1019.9	1014.4	952.0	866.6
35°	1144.6	1147.7	1147.0	1149.1	1137.7	1107.8	1095.4	1094.0	1079.5	1005.1	905.8
37.5°	1204.6	1208.4	1203.2	1207.3	1202.9	1174.6	1170.8	1163.9	1143.2	1055.0	947.2
40°	1272.8	1276.2	1268.0	1269.7	1264.5	1248.7	1229.4	1220.1	1189.4	1109.1	1012.3
42.5°	1345.8	1353.8	1357.6	1354.5	1342.4	1333.4	1299.7	1288.0	1262.5	1206.6	1119.5
45°	1451.6	1463.3	1468.9	1460.9	1455.8	1443.0	1401.7	1387.5	1374.1	1344.1	1269.0
47.5°	1565.7	1576.4	1593.9	1597.4	1601.5	1591.9	1533.6	1519.8	1522.3	1518.8	1453.0
50°	1656.6	1665.6	1705.2	1747.6	1782.7	1785.5	1711.1	1696.3	1709.4	1720.4	1674.6
52.5°	1722.8	1730.7	1783.1	1870.6	1950.2	2009.1	1928.8	1912.0	1922.6	1947.4	1926.4
55°	1776.5	1787.6	1842.4	1976.7	2137.6	2230.7	2179.3	2158.0	2153.5	2184.2	2196.2
57.5°	1804.8	1808.2	1885.1	2059.8	2275.1	2448.1	2470.5	2446.4	2403.6	2420.5	2483.2
60°	1740.4	1746.2	1851.3	2081.1	2383.7	2663.8	2776.1	2756.1	2665.2	2674.5	2743.7
62.5°	1562.2	1570.5	1697.0	1979.5	2392.6	2807.8	3058.3	3045.6	2923.6	2873.3	2894.0
65°	1253.2	1255.9	1386.8	1728.0	2214.5	2825.7	3255.0	3251.9	3104.1	2986.3	2897.7
67.5°	714.6	709.8	884.8	1232.5	1827.5	2592.8	3267.8	3286.1	3162.7	2967.7	2656.5
70°	309.8	310.4	391.1	608.1	1182.9	2095.6	3035.2	3066.6	2993.2	2657.9	2113.5
72.5°	143.3	145.4	180.2	263.2	505.1	1300.0	2475.0	2503.2	2440.2	2127.3	1537.8
75°	101.3	103.0	120.3	150.9	232.2	506.5	1655.6	1714.9	1745.5	1591.2	1013.3
77.5°	76.8	79.2	87.9	104.7	143.3	179.5	792.1	933.4	1111.9	989.9	522.0
80°	48.9	48.9	58.2	69.9	87.5	93.4	228.8	271.2	544.1	408.0	205.0
82.5°	33.1	34.1	39.6	44.4	50.3	53.1	98.2	104.7	157.1	138.9	84.4
85°	17.6	18.3	20.7	20.3	24.1	21.0	41.3	41.0	57.5	63.1	32.0
87.5°	0.0	0.0	0.3	0.3	0.7	1.0	4.5	4.8	12.1	19.3	10.7
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°	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5
2.5°	582.3	578.2	580.2	579.5	581.6	581.6	577.8	576.8	577.1	573.0	571.6
5°	587.5	582.6	583.7	582.3	584.4	586.1	584.4	584.4	586.4	583.3	581.6
7.5°	599.2	593.7	593.7	592.0	594.4	595.7	594.4	596.4	600.2	597.1	595.4
10°	617.8	611.2	611.6	609.5	610.6	609.9	604.4	602.6	603.7	600.9	599.5
12.5°	641.9	633.0	633.0	628.8	626.4	619.2	607.8	603.7	604.4	601.9	600.9
15°	665.0	656.7	655.0	646.7	635.7	622.3	611.9	609.2	609.9	607.5	605.7
17.5°	692.2	681.5	675.3	660.2	639.8	626.1	615.7	609.2	603.7	598.2	596.8
20°	717.4	703.9	692.6	669.1	644.3	625.4	606.1	589.9	576.4	569.2	567.5
22.5°	743.2	726.0	706.0	675.3	644.0	613.0	577.5	553.0	533.0	522.4	524.4
25°	767.7	746.0	718.7	681.2	633.0	585.4	537.2	500.6	477.9	469.6	467.2
27.5°	788.0	761.1	730.5	678.4	610.2	545.8	482.0	441.4	419.3	410.0	407.6
30°	810.7	780.4	747.3	665.7	574.4	490.3	419.7	386.6	370.7	361.8	362.1
32.5°	836.9	805.2	771.1	641.2	528.6	430.4	368.3	345.6	332.8	323.9	322.5
35°	872.1	840.7	787.0	604.4	470.3	375.2	333.2	314.6	298.7	287.0	284.6
37.5°	915.5	894.1	788.7	555.1	408.0	337.3	308.0	288.1	268.8	253.3	251.5
40°	989.9	965.5	774.6	493.4	354.9	312.9	287.0	263.9	241.5	224.3	221.9
42.5°	1096.0	1045.7	744.2	423.8	314.9	293.6	267.0	237.7	215.0	202.9	201.2
45°	1231.1	1135.3	698.8	358.3	285.3	274.6	246.0	215.3	203.3	194.7	193.0
47.5°	1396.5	1239.7	646.4	307.3	262.2	257.4	224.7	207.8	197.1	189.9	188.1
50°	1594.3	1372.7	603.3	267.4	241.5	237.4	217.8	203.3	194.7	188.8	187.4
52.5°	1820.0	1520.5	582.3	238.8	223.6	219.5	215.3	202.3	195.0	190.5	188.8
55°	2054.3	1676.3	562.7	216.7	208.5	210.9	215.7	205.7	200.2	194.3	192.6
57.5°	2280.6	1822.4	514.4	199.5	197.4	206.7	217.4	209.1	202.6	196.7	194.7
60°	2436.7	1902.3	432.8	185.7	189.2	201.6	212.9	204.0	195.7	193.3	192.3
62.5°	2478.8	1892.7	335.9	171.6	179.2	190.2	201.2	195.4	186.8	190.5	190.9
65°	2380.6	1789.3	252.2	157.8	166.1	175.4	189.2	186.8	183.6	194.0	194.3
67.5°	2102.5	1535.4	192.3	145.7	152.6	164.0	185.4	195.4	196.1	209.1	207.8
70°	1590.8	1147.0	150.6	134.4	142.3	164.0	197.4	201.9	193.6	205.7	202.9
72.5°	1099.8	757.0	128.2	124.4	129.6	156.4	197.1	197.1	188.1	188.1	183.0
75°	683.3	445.2	111.6	111.6	111.6	136.8	191.6	181.6	165.7	158.5	154.4
77.5°	337.3	216.4	93.7	97.2	93.4	114.4	156.4	148.5	138.9	131.3	128.5
80°	144.0	108.2	75.8	79.6	75.1	86.1	124.0	122.3	113.0	103.0	99.9
82.5°	66.2	55.8	60.6	62.4	54.8	64.8	90.6	90.6	85.5	71.7	66.5
85°	28.3	29.6	42.0	42.0	34.5	36.5	48.6	46.2	41.3	33.8	31.0
87.5°	9.6	14.5	21.4	18.6	7.2	3.1	1.7	0.7	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)