

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: P629854

Luminaire Tested: GWS-SA1C-740-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629854
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-740-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4797.8 lumens
Efficiency: N/A
Efficacy: 140.7 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

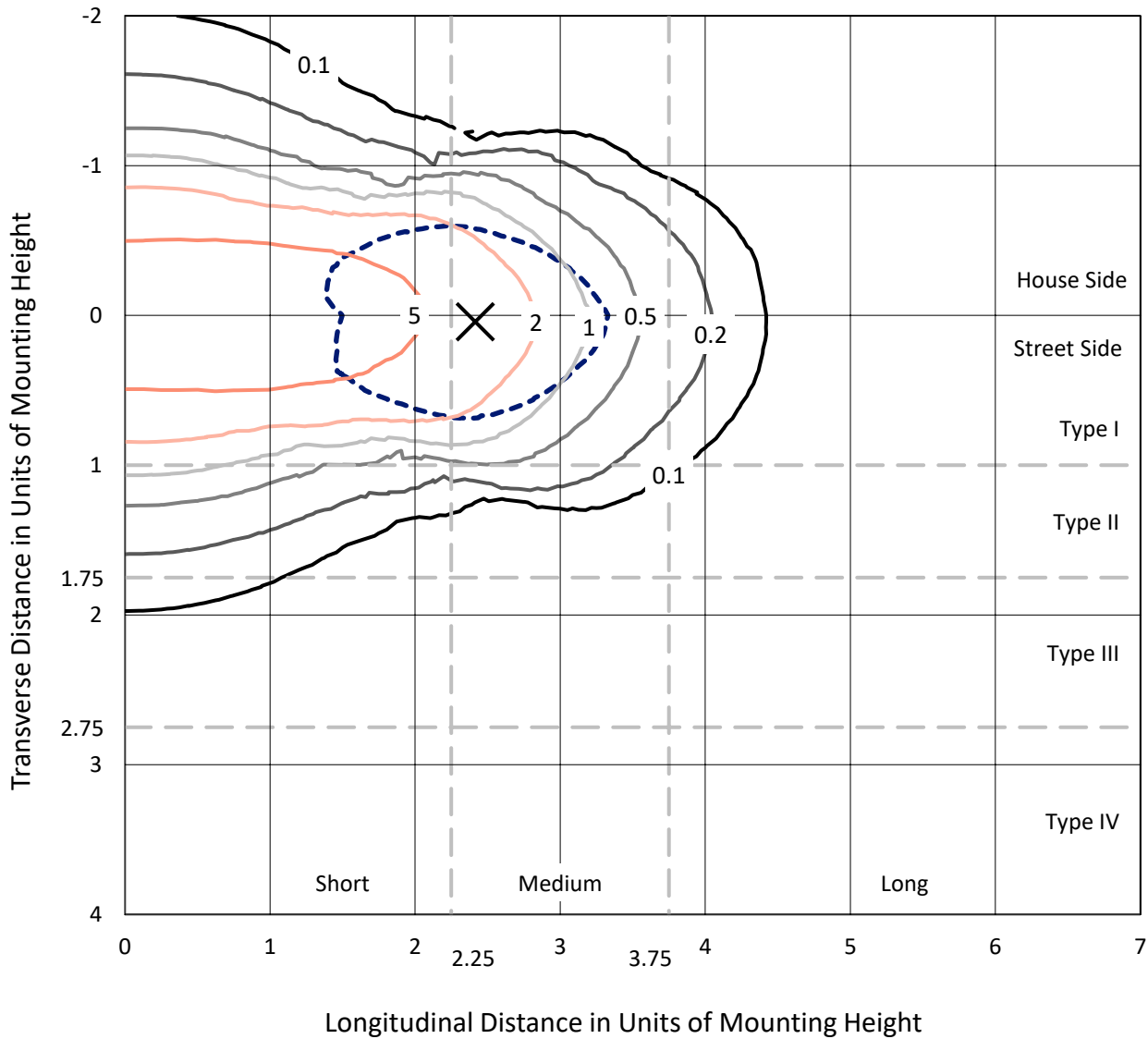
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629854
 CATALOG NUMBER: GWS-SA1C-740-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination

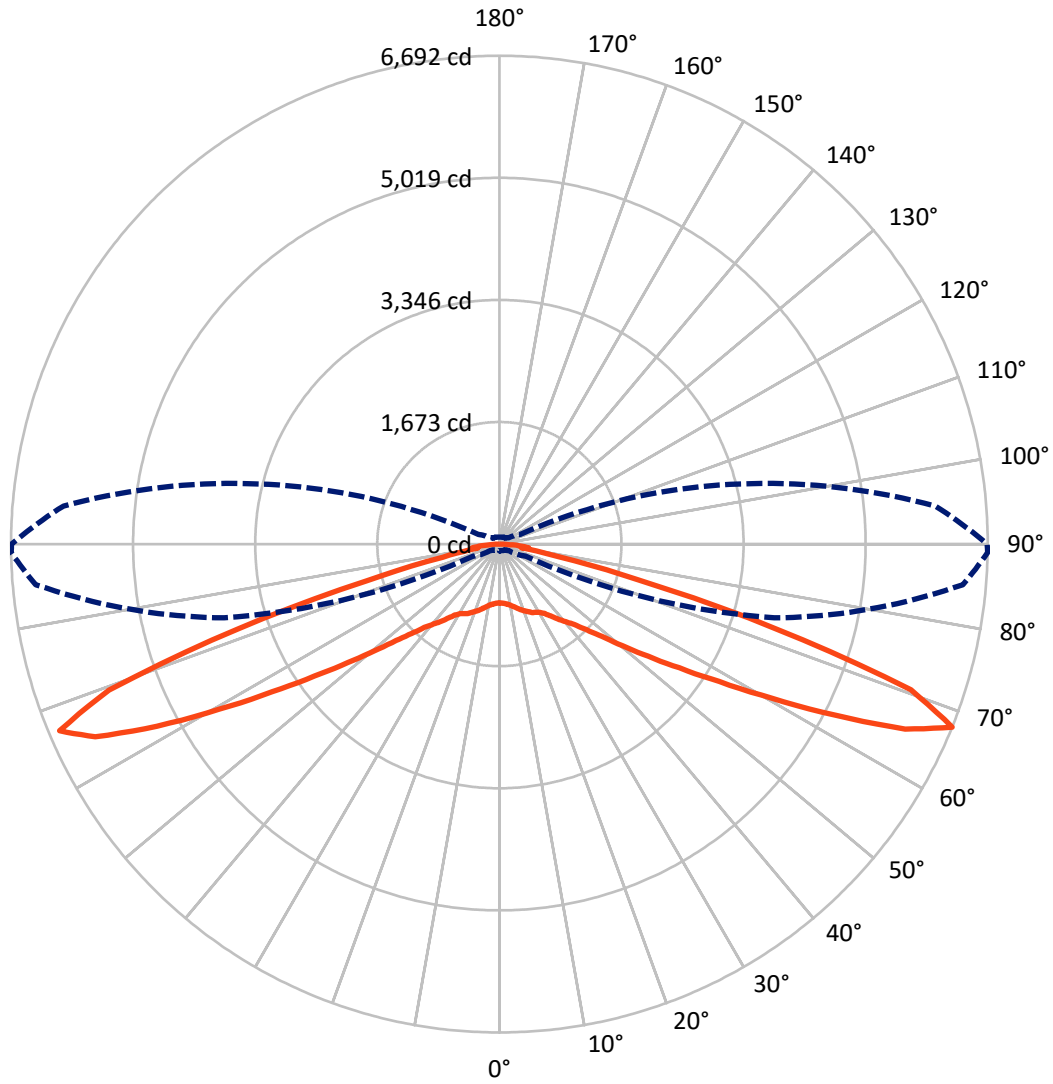
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type I - Medium - N/A

REPORT NUMBER: P629854
CATALOG NUMBER: GWS-SA1C-740-U-T1-W

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA1C-740-U-T1-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2377.9	0.0	2377.9
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	2419.9	0.0	2419.9
	% Fixture	50.4	0.0	50.4
Total	Lumens	4797.8	0.0	4797.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	1.7
10°-20°	263.0	5.5
20°-30°	444.6	9.3
30°-40°	610.2	12.7
40°-50°	778.1	16.2
50°-60°	976.3	20.3
60°-70°	1177.5	24.5
70°-80°	426.0	8.9
80°-90°	41.4	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°	4797.8	100.0
0°-180°	4797.8	100.0

Coefficient of Utilization



REPORT NUMBER: P629854

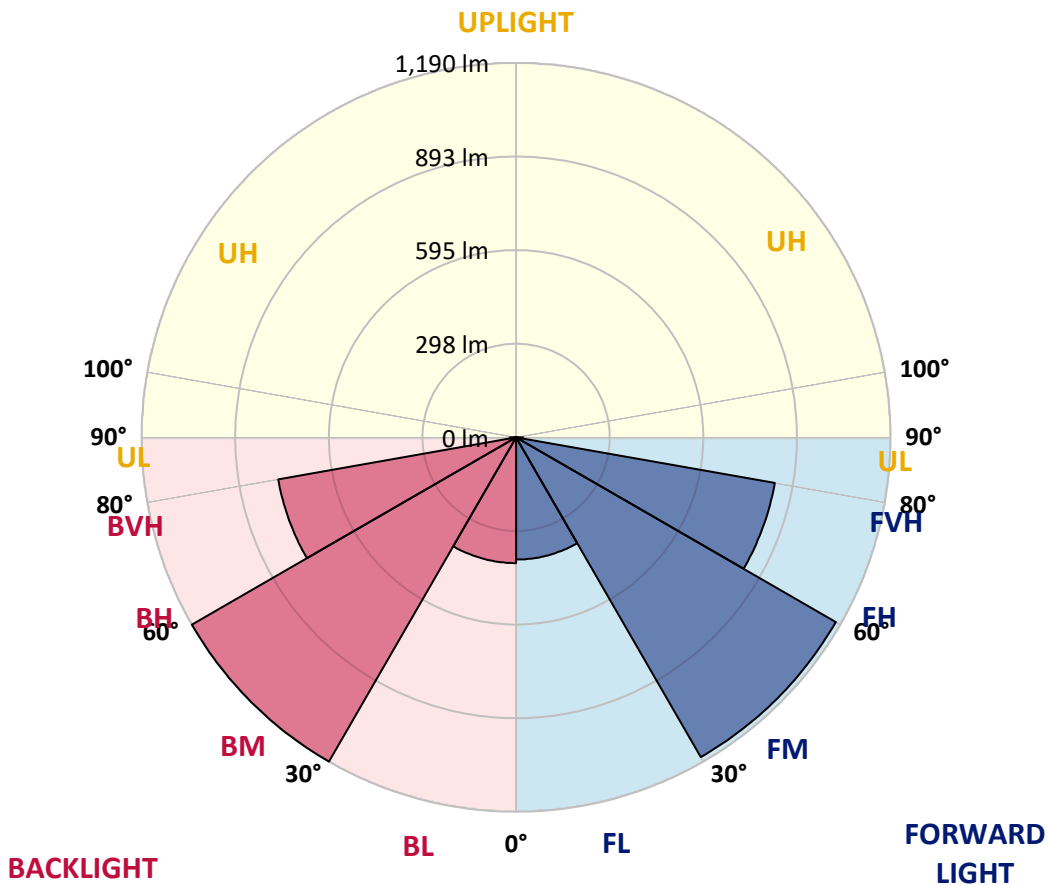
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	388.6	8.1			
FM (30°-60°)	1174.1	24.5			
FH (60°-80°)	835.4	17.4			G1/1800
FVH (80°-90°)	21.9	0.5			G1/100
BL (0°-30°)	399.8	8.3	B1/500		
BM (30°-60°)	1190.4	24.8	B2/2500		
BH (60°-80°)	768.1	16.0	B2/1000		G2/1000
BVH (80°-90°)	19.6	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





REPORT NUMBER: P629854
 CATALOG NUMBER: GWS-SA1C-740-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3
2.5°	807.7	807.0	805.3	810.4	809.4	809.8	811.8	810.4	808.0	803.9	809.8
5°	830.4	830.1	826.3	829.4	825.9	823.5	823.2	819.7	817.0	812.5	818.7
7.5°	852.5	852.1	849.0	854.5	851.8	849.0	845.9	839.0	832.5	825.9	832.8
10°	869.4	869.0	868.3	876.3	876.9	878.0	876.6	864.9	853.5	845.6	852.5
12.5°	879.0	880.0	881.8	896.2	903.5	910.4	912.1	902.4	883.5	872.1	880.4
15°	872.5	874.5	883.1	909.3	929.3	944.8	951.4	943.4	919.0	900.0	909.3
17.5°	841.1	842.8	859.7	899.7	943.8	979.6	990.3	985.5	958.3	935.2	944.1
20°	797.7	801.5	819.7	875.6	941.4	1003.7	1032.3	1030.6	1001.0	965.5	976.2
22.5°	758.4	762.9	782.2	843.9	925.2	1009.9	1074.7	1079.2	1039.9	995.8	1004.4
25°	714.3	718.4	743.2	806.3	897.3	1005.1	1110.9	1131.2	1084.0	1030.6	1038.5
27.5°	669.2	672.3	696.7	763.9	860.7	996.2	1139.5	1188.4	1127.4	1054.7	1060.3
30°	629.5	633.7	656.1	721.5	820.8	978.2	1162.9	1249.4	1177.4	1082.0	1086.4
32.5°	591.3	594.7	619.2	679.8	778.4	950.7	1184.0	1321.1	1251.5	1132.6	1132.6
35°	543.1	549.3	576.8	639.9	738.4	914.2	1199.1	1404.5	1352.8	1207.4	1207.7
37.5°	498.6	502.0	531.0	594.7	696.4	872.8	1200.5	1491.0	1481.0	1302.5	1303.2
40°	447.9	452.4	483.4	546.5	648.1	829.4	1187.4	1571.6	1615.4	1400.4	1396.6
42.5°	396.6	403.2	432.8	494.5	596.1	776.3	1152.6	1648.4	1785.9	1513.7	1504.4
45°	347.0	351.1	380.8	439.0	536.5	712.9	1096.8	1722.2	1988.5	1686.0	1672.6
47.5°	291.2	292.9	323.6	379.4	474.8	642.3	1016.8	1788.0	2211.1	1914.1	1891.0
50°	241.5	244.0	268.1	316.0	399.4	558.6	917.3	1826.6	2494.7	2225.3	2185.3
52.5°	195.4	197.8	217.1	255.3	330.1	463.1	793.9	1817.6	2782.4	2611.5	2553.3
55°	157.8	159.5	172.6	202.6	259.8	368.4	648.1	1737.3	3101.9	3116.0	2990.6
57.5°	133.4	134.0	143.0	161.3	203.0	283.9	500.3	1547.8	3436.8	3759.7	3553.6
60°	119.2	119.6	123.7	135.1	160.2	216.7	366.6	1246.0	3783.8	4564.9	4282.4
62.5°	110.3	110.3	113.7	120.3	133.0	166.8	269.5	894.9	4032.9	5441.2	5160.4
65°	101.6	101.6	104.1	109.6	116.5	136.1	202.3	577.2	4155.2	6173.8	6111.4
67.5°	90.6	91.0	92.7	98.5	104.8	113.7	153.3	390.4	3901.3	6376.4	6692.0
70°	80.3	80.6	83.0	86.8	92.0	98.2	119.9	269.1	2839.6	5310.6	5983.5
72.5°	68.9	70.3	72.0	76.2	79.3	83.7	97.9	174.4	1652.2	3416.1	3955.4
75°	56.5	58.2	60.3	64.4	66.5	68.2	80.6	124.4	794.9	1731.1	1971.3
77.5°	43.8	45.5	47.9	51.7	53.1	55.1	61.7	89.9	380.8	767.4	827.3
80°	29.3	30.0	32.0	36.5	38.9	40.3	45.5	61.3	165.4	308.1	305.3
82.5°	17.9	18.3	19.0	21.7	22.7	24.1	29.6	37.6	78.9	350.1	401.4
85°	6.5	6.2	5.9	7.6	9.0	10.3	13.8	19.0	34.5	240.5	269.1
87.5°	0.0	0.0	0.0	0.3	0.7	0.7	1.4	2.8	8.3	89.9	61.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629854
 CATALOG NUMBER: GWS-SA1C-740-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3
2.5°	808.0	804.2	809.1	812.5	820.1	822.8	823.5	821.1	821.1	817.0	817.7
5°	817.3	814.9	822.8	828.7	839.7	843.9	846.6	844.9	845.9	843.2	843.9
7.5°	831.5	829.4	843.2	854.5	865.9	870.7	873.2	871.8	872.1	868.7	869.7
10°	851.1	851.8	868.3	883.1	898.3	903.1	904.2	900.0	896.6	890.4	890.7
12.5°	878.0	881.4	904.9	921.4	936.9	943.8	936.2	921.0	906.9	896.2	894.9
15°	907.3	913.5	947.2	968.3	985.1	981.7	959.3	925.2	897.3	881.4	878.3
17.5°	942.4	951.7	994.1	1019.3	1033.7	1011.7	964.8	913.8	874.9	853.5	849.4
20°	975.5	990.3	1043.7	1076.5	1078.2	1028.6	962.4	890.7	841.8	815.6	810.1
22.5°	1005.8	1024.8	1095.7	1137.4	1115.0	1036.1	947.6	858.0	801.8	771.2	766.3
25°	1038.9	1065.8	1156.4	1195.3	1151.9	1033.0	916.6	817.3	753.6	722.2	718.8
27.5°	1061.6	1095.4	1217.4	1254.6	1182.2	1015.5	876.6	772.9	709.5	679.8	675.0
30°	1087.8	1130.9	1284.6	1319.0	1200.8	989.6	833.9	731.5	668.5	636.4	633.0
32.5°	1135.4	1189.5	1368.0	1387.3	1206.7	957.6	792.9	691.6	625.7	593.7	588.9
35°	1211.9	1275.3	1485.1	1463.4	1202.2	922.4	753.9	644.7	582.0	552.0	547.2
37.5°	1308.4	1387.3	1615.7	1532.0	1189.8	883.8	707.8	605.4	542.7	512.4	509.6
40°	1398.3	1495.5	1762.2	1591.2	1164.7	836.3	663.3	564.4	500.3	468.3	462.1
42.5°	1511.0	1640.2	1931.7	1642.6	1123.3	779.4	613.3	513.8	447.3	418.3	410.7
45°	1682.2	1842.8	2128.8	1691.9	1061.6	709.5	550.6	452.1	389.0	359.4	353.5
47.5°	1895.9	2096.1	2342.4	1721.2	967.9	635.7	479.6	387.0	323.9	290.5	287.7
50°	2196.0	2464.4	2571.6	1716.0	863.2	548.2	399.7	309.4	256.7	232.6	228.8
52.5°	2561.6	2926.8	2819.3	1654.0	751.9	448.6	311.5	242.9	203.6	186.4	183.3
55°	3020.2	3480.6	3080.2	1521.0	611.3	343.5	244.6	191.6	164.7	154.4	153.0
57.5°	3588.1	4197.6	3331.4	1297.0	459.7	262.2	188.5	158.2	145.4	139.2	138.9
60°	4337.5	4958.8	3549.5	1007.9	329.1	200.5	155.7	141.3	131.3	127.1	126.8
62.5°	5228.6	5650.0	3685.2	686.4	247.4	159.9	137.1	128.2	122.3	119.9	119.6
65°	6144.5	6086.9	3620.5	449.7	187.8	135.8	123.0	118.2	113.0	110.6	110.6
67.5°	6685.4	5994.6	3123.2	312.2	148.9	119.2	111.0	106.5	97.9	95.8	95.8
70°	5921.5	4857.5	2047.1	228.5	120.6	104.4	96.5	90.3	86.8	84.8	84.4
72.5°	3916.4	3160.8	1088.5	158.5	100.6	88.9	81.7	79.3	75.1	73.0	72.7
75°	1949.3	1660.2	557.9	114.4	83.7	71.3	68.2	67.2	63.7	61.0	60.3
77.5°	812.5	739.1	260.2	83.0	63.7	57.5	54.8	54.8	51.0	47.9	46.5
80°	306.3	272.9	123.0	56.9	47.2	42.7	41.0	39.6	36.5	32.7	30.7
82.5°	409.7	267.7	60.3	35.5	31.0	27.6	25.2	24.1	22.4	20.7	19.3
85°	265.3	190.2	27.2	18.3	15.5	11.7	10.3	9.6	8.6	7.6	6.9
87.5°	54.1	63.7	8.3	3.4	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)