

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: P629648

Luminaire Tested: GWS-SA1C-722-U-T3R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629648  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-722-U-T3R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

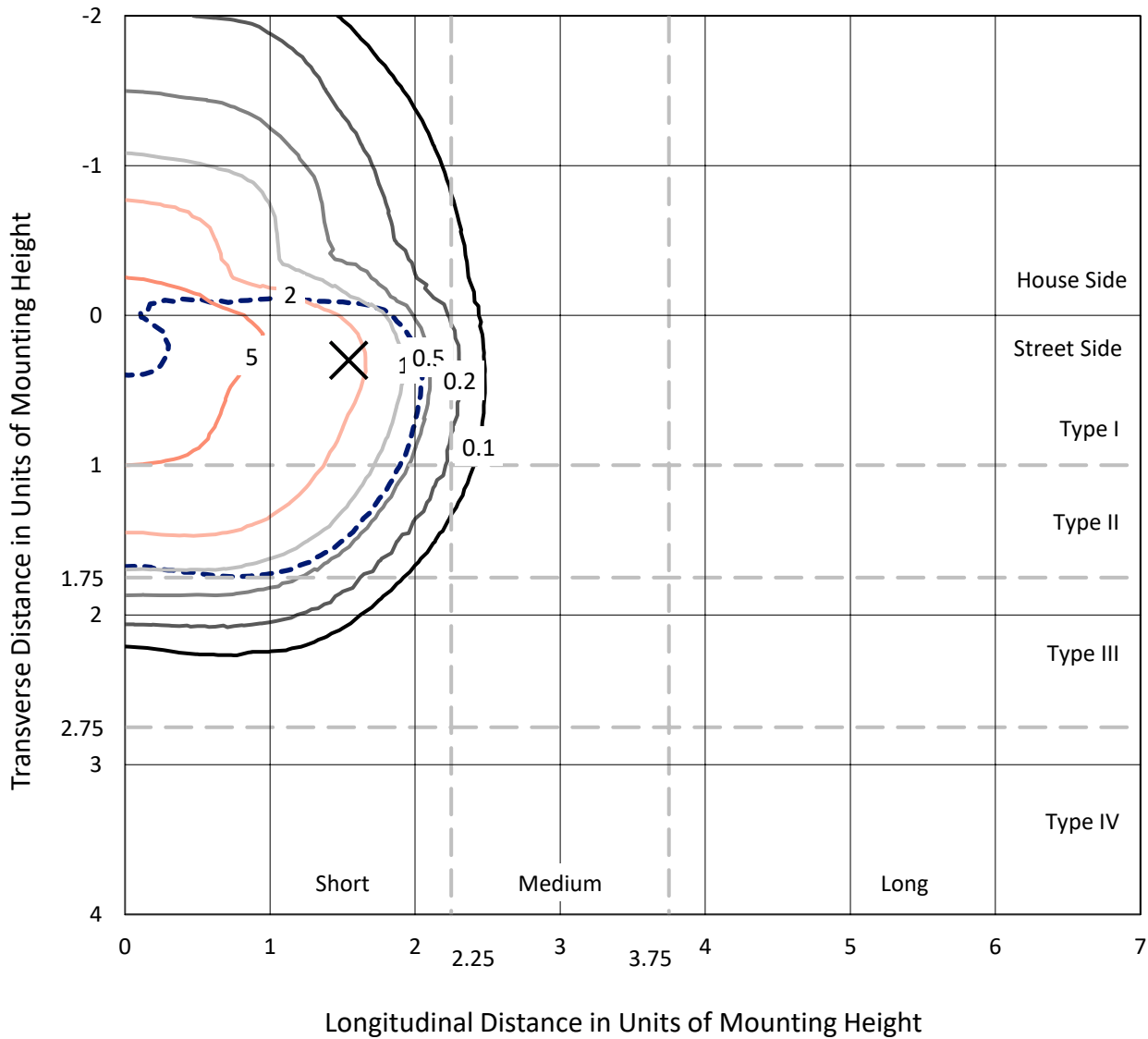
Lumens per Lamp: N/A  
Luminaire Lumens: 3104.1 lumens  
Efficiency: N/A  
Efficacy: 91.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

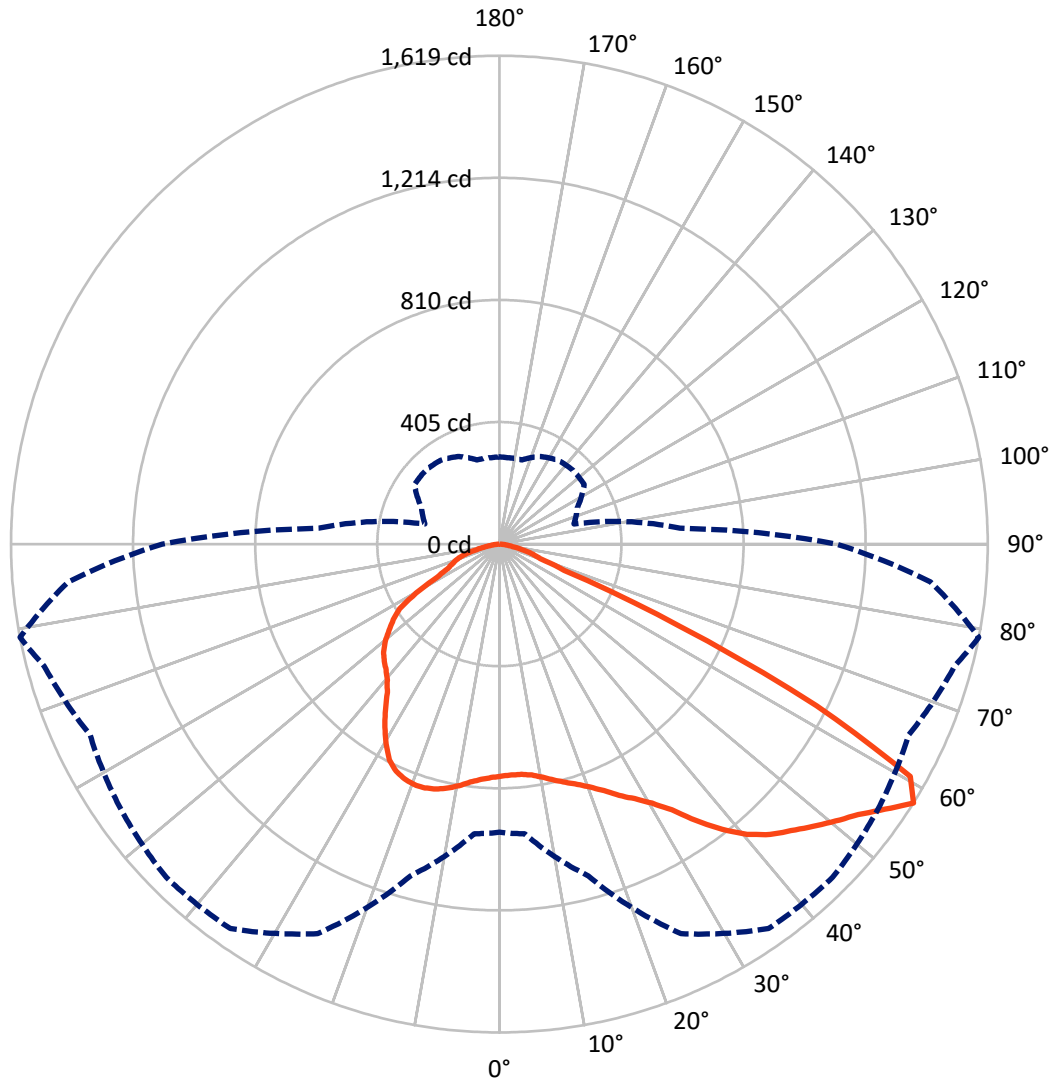
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	922.7	0.0	922.7
	% Fixture	29.7	0.0	29.7
<b>Street Side</b>	Lumens	2181.4	0.0	2181.4
	% Fixture	70.3	0.0	70.3
<b>Total</b>	Lumens	3104.1	0.0	3104.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.2	2.3
10°-20°	198.0	6.4
20°-30°	335.6	10.8
30°-40°	513.7	16.5
40°-50°	684.9	22.1
50°-60°	791.0	25.5
60°-70°	411.0	13.2
70°-80°	87.4	2.8
80°-90°	11.3	0.4
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°	3104.1	100.0
0°-180°	3104.1	100.0

**Coefficient of Utilization**



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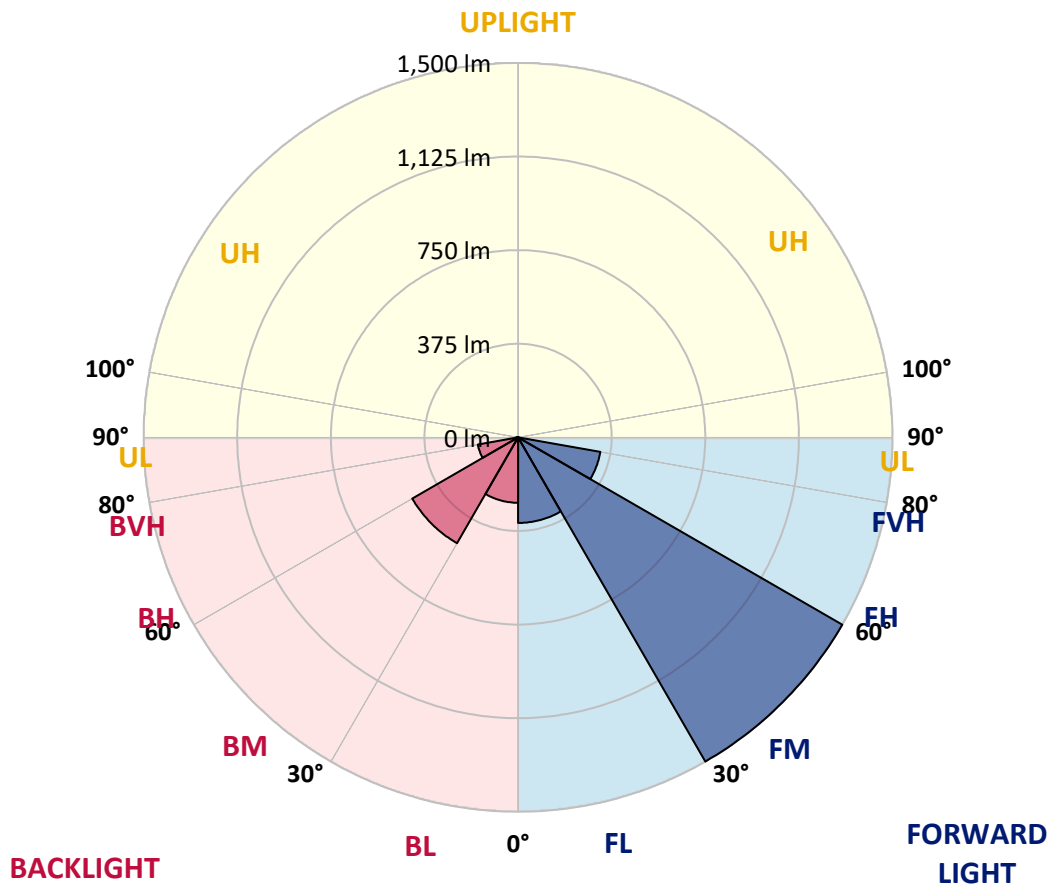
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.8	11.0			
FM (30°-60°)	1500.0	48.3			
FH (60°-80°)	334.7	10.8			G0/660
FVH (80°-90°)	4.0	0.1			G0/10
BL (0°-30°)	262.0	8.4	B1/500		
BM (30°-60°)	489.6	15.8	B1/1000		
BH (60°-80°)	163.7	5.3	B1/500		G1/500
BVH (80°-90°)	7.4	0.2			G0/10
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°	75°	79°	85°
0°	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.3
2.5°	734.2	732.7	733.2	735.3	742.9	748.5	754.3	759.6	764.7	766.2	767.5
5°	708.1	705.3	706.1	709.4	718.3	727.6	738.1	750.7	762.9	767.0	772.3
7.5°	689.6	689.1	690.3	695.4	704.8	713.7	727.1	745.2	766.2	773.1	782.5
10°	665.0	663.9	669.0	679.4	694.9	709.1	725.1	746.4	775.9	786.0	800.5
12.5°	645.4	644.9	650.2	664.7	684.5	707.1	729.2	753.0	788.8	802.8	820.5
15°	656.8	654.6	654.8	665.0	682.7	709.4	739.3	765.0	801.8	819.5	842.4
17.5°	690.1	686.0	683.0	684.8	694.9	722.6	754.8	780.9	816.7	837.5	865.5
20°	736.0	733.7	725.4	719.8	722.1	746.4	779.2	803.5	836.3	859.6	889.6
22.5°	797.7	792.1	780.7	771.8	765.0	784.0	814.2	835.3	863.4	887.8	919.0
25°	874.1	866.0	847.9	834.0	819.3	838.8	865.7	881.7	900.7	923.3	953.0
27.5°	952.0	945.2	925.1	906.3	888.0	900.2	932.2	941.3	939.3	955.8	981.2
30°	1035.0	1026.4	1007.3	987.0	963.4	971.3	1000.0	1004.5	983.0	996.7	1013.9
32.5°	1122.6	1114.2	1097.7	1074.1	1047.4	1050.5	1058.3	1062.7	1042.1	1050.0	1063.2
35°	1211.6	1203.8	1187.0	1163.7	1144.1	1125.6	1105.8	1123.1	1111.1	1126.4	1125.3
37.5°	1293.1	1285.2	1274.8	1256.8	1223.3	1186.8	1141.1	1162.4	1180.9	1200.2	1196.9
40°	1348.2	1342.9	1345.4	1342.6	1299.5	1227.1	1158.3	1181.7	1232.2	1265.2	1263.4
42.5°	1395.6	1390.3	1405.0	1415.7	1364.9	1264.4	1166.7	1189.1	1264.9	1316.5	1313.9
45°	1416.7	1415.2	1439.6	1473.3	1424.8	1304.0	1188.3	1204.3	1289.8	1355.8	1346.2
47.5°	1391.6	1396.9	1444.9	1502.0	1474.6	1351.0	1232.5	1236.5	1322.3	1398.4	1371.3
50°	1341.6	1353.3	1418.0	1502.7	1510.9	1404.0	1293.6	1283.5	1366.0	1443.9	1384.5
52.5°	1268.7	1280.9	1386.5	1496.9	1531.7	1465.4	1375.1	1360.6	1421.0	1489.3	1386.8
55°	1101.5	1118.0	1314.4	1483.7	1552.0	1521.3	1467.0	1437.5	1492.1	1551.7	1409.4
57.5°	955.6	964.2	1138.8	1425.1	1556.0	1562.4	1532.4	1497.4	1562.6	1619.2	1434.7
60°	701.2	703.3	860.4	1179.2	1431.4	1538.5	1527.1	1475.1	1529.1	1565.2	1318.5
62.5°	396.2	396.4	521.8	787.0	1069.3	1254.0	1261.1	1215.2	1169.8	1180.4	917.7
65°	148.7	162.7	238.3	386.8	616.5	740.3	769.8	780.4	704.8	657.8	492.1
67.5°	99.5	102.8	139.1	199.0	274.4	316.7	354.3	355.3	259.9	231.7	193.9
70°	75.9	79.2	109.4	142.4	139.1	128.4	138.8	135.0	139.6	143.4	147.5
72.5°	56.6	59.9	84.8	100.5	83.5	82.2	93.1	103.6	113.2	117.3	123.6
75°	37.6	40.1	57.1	53.8	46.2	54.6	68.0	78.4	84.0	88.8	93.7
77.5°	23.9	25.6	30.5	24.6	25.6	32.0	39.6	49.0	54.3	59.1	61.7
80°	10.9	10.7	10.4	11.7	14.5	18.8	23.9	29.4	33.5	35.5	37.1
82.5°	4.3	4.8	5.3	6.3	7.9	10.2	13.5	17.3	20.6	21.1	22.3
85°	1.8	2.0	2.3	2.8	3.6	4.6	5.6	7.9	9.9	10.7	11.4
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.3	2.3	2.5	2.8
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°	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.3
2.5°	774.3	771.0	776.6	780.4	784.0	780.2	778.9	775.6	775.1	775.1	776.9
5°	781.5	779.2	785.0	787.3	787.0	778.7	773.6	767.0	763.7	763.7	764.2
7.5°	794.1	792.9	796.2	792.6	784.5	767.5	750.7	736.8	727.4	722.6	724.1
10°	815.2	813.7	810.9	797.7	774.3	739.1	704.8	679.4	664.2	655.6	656.1
12.5°	835.8	833.2	823.3	794.1	746.2	690.1	645.2	616.7	600.0	589.8	587.5
15°	858.4	851.8	830.4	775.9	700.2	630.2	583.2	552.5	534.5	528.4	528.2
17.5°	879.9	868.2	829.7	743.4	645.2	567.5	520.3	501.3	498.2	501.0	501.8
20°	901.8	883.0	821.3	698.5	579.7	505.1	480.7	488.6	500.0	507.6	509.4
22.5°	924.3	895.2	802.3	640.6	510.6	462.9	473.1	490.3	504.6	514.7	515.7
25°	949.7	906.6	773.8	569.8	455.3	451.3	471.3	489.6	504.8	516.5	518.5
27.5°	964.2	906.8	734.0	496.9	429.9	446.7	467.0	484.3	499.5	512.2	514.5
30°	978.4	900.0	670.8	437.8	422.6	441.4	459.6	475.6	490.1	502.5	505.3
32.5°	998.4	893.6	598.0	403.8	418.3	436.3	451.3	465.5	476.6	482.2	483.7
35°	1023.3	885.5	520.5	389.1	415.5	432.2	445.4	453.0	438.6	435.5	438.8
37.5°	1058.1	877.9	443.4	382.7	413.7	430.7	442.4	422.8	405.1	398.0	400.5
40°	1095.7	873.6	391.1	377.7	414.5	432.2	429.7	400.8	375.1	360.1	359.6
42.5°	1127.6	867.0	357.6	374.4	416.5	438.1	412.4	381.2	343.1	334.3	334.5
45°	1149.2	850.2	339.8	370.8	418.3	439.3	404.3	354.3	327.1	321.6	321.3
47.5°	1158.1	819.8	328.4	365.2	418.0	428.9	387.8	343.1	316.0	314.5	315.5
50°	1152.3	769.8	316.7	354.3	411.9	418.0	368.8	333.2	308.4	316.7	322.8
52.5°	1130.7	705.1	302.8	339.3	401.0	405.6	359.1	327.1	302.8	314.0	318.8
55°	1125.1	652.5	285.0	319.8	384.8	383.5	349.0	324.1	299.0	294.7	295.4
57.5°	1117.7	601.3	255.6	284.8	343.6	345.7	339.3	320.5	289.1	287.8	289.1
60°	971.0	460.9	227.9	245.7	282.2	293.1	328.4	314.0	273.1	267.8	267.5
62.5°	634.2	279.2	202.8	214.2	229.9	242.6	299.5	294.9	255.6	252.3	254.6
65°	341.1	199.0	184.5	191.4	200.0	209.6	248.2	262.7	231.0	219.3	219.5
67.5°	174.4	169.3	170.8	175.6	182.2	187.1	200.2	212.9	196.9	187.1	186.8
70°	149.2	153.3	155.6	158.4	162.7	161.9	163.2	165.5	164.2	159.4	159.1
72.5°	127.2	133.5	134.0	134.5	136.0	132.5	130.2	126.4	126.6	127.4	127.7
75°	96.7	102.8	104.3	103.6	105.1	100.5	97.5	93.7	89.1	88.3	88.8
77.5°	62.9	67.8	70.0	69.5	70.3	66.7	65.2	61.2	55.8	53.8	53.8
80°	38.1	40.9	42.6	43.1	43.9	41.4	38.8	35.3	33.0	30.7	30.7
82.5°	23.1	24.9	26.1	26.1	26.9	24.1	22.1	19.5	18.5	16.5	16.5
85°	11.7	12.9	13.5	13.2	12.7	10.4	9.6	8.4	7.9	6.9	6.9
87.5°	2.8	3.6	3.6	2.5	2.5	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)