

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: P629342

Luminaire Tested: GWS-SA1B-740-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3052.6 lumens
Efficiency: N/A
Efficacy: 122.1 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

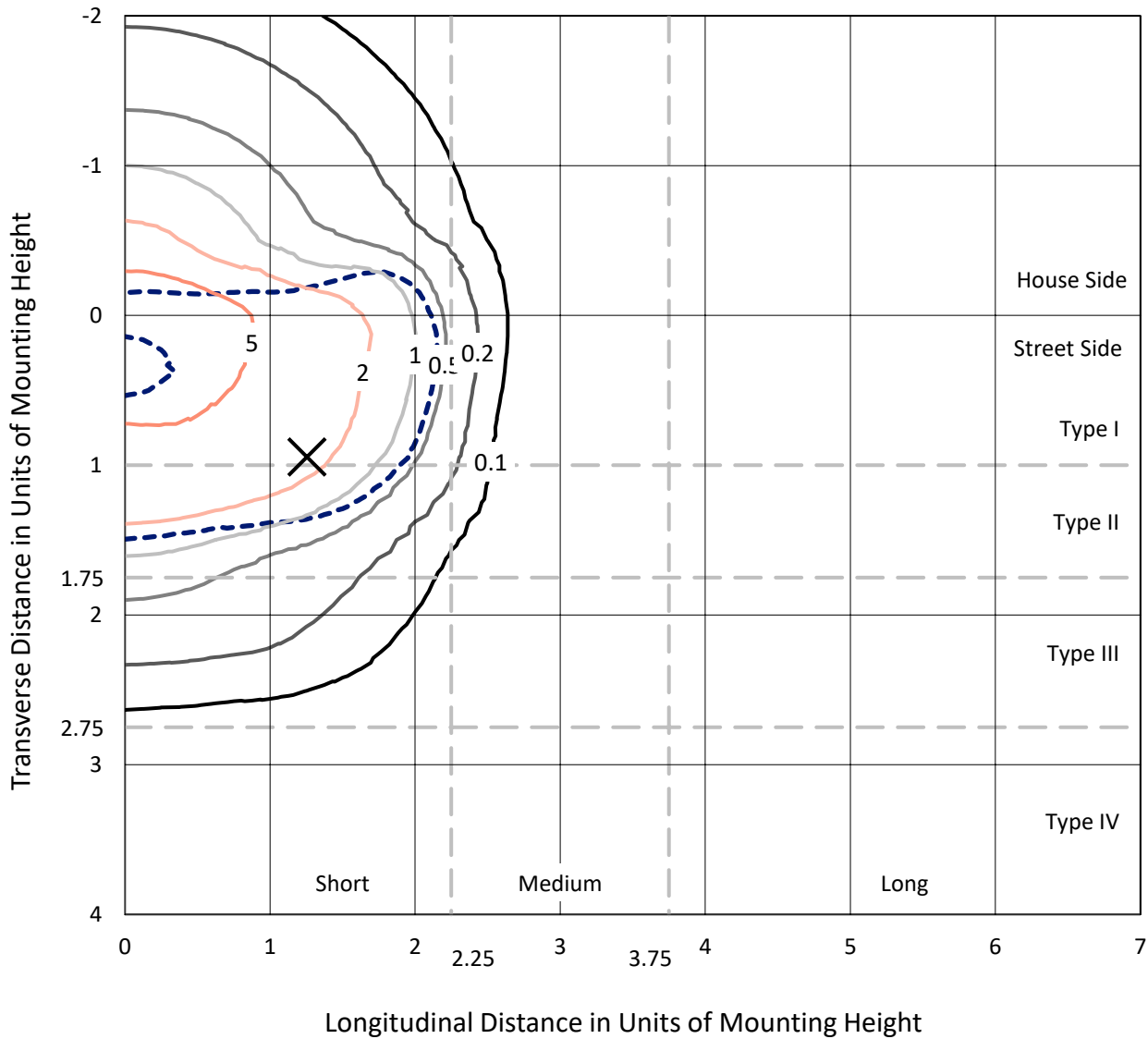
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629342
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Iso-Footcandle Lines of Horizontal Illumination

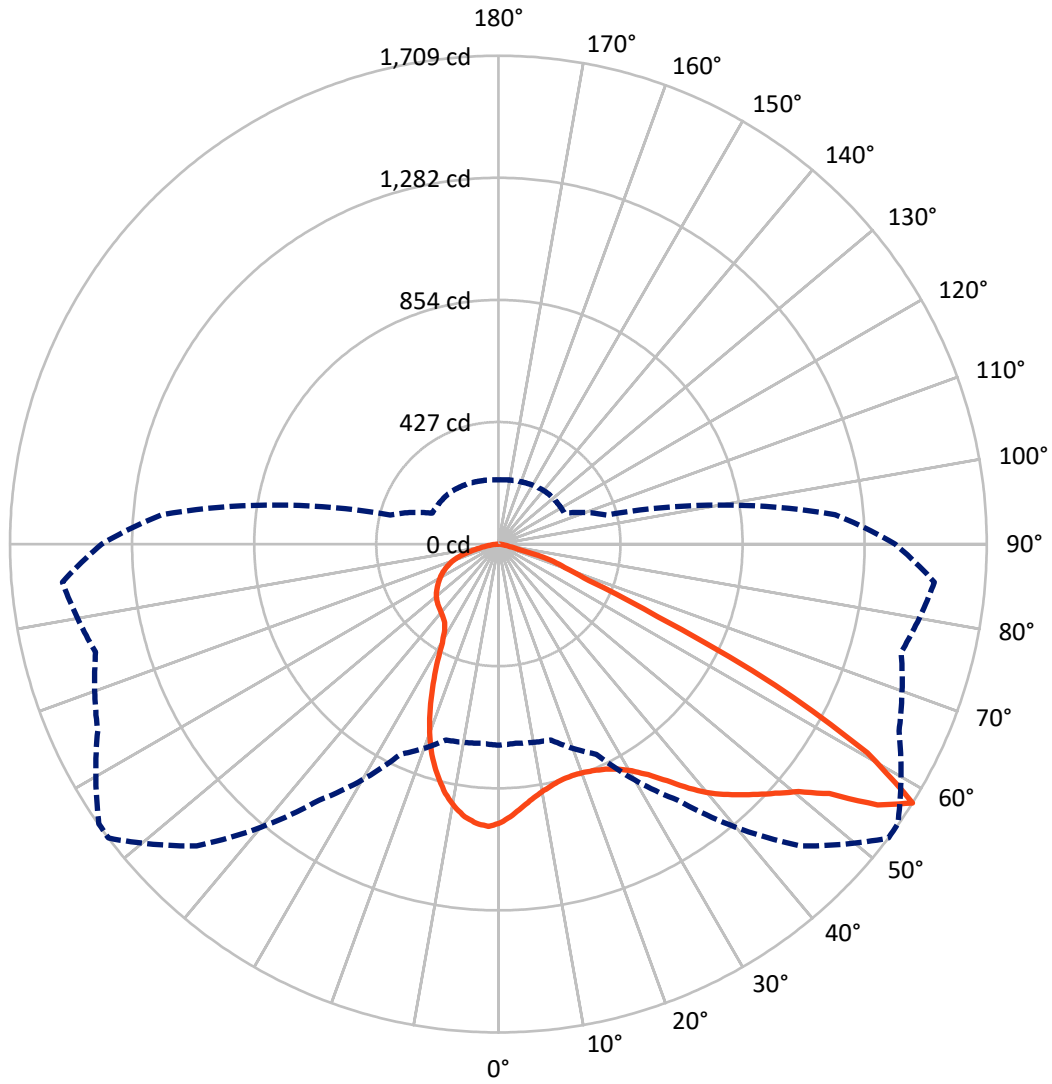
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
 Type II - Short - N/A

REPORT NUMBER: P629342
CATALOG NUMBER: GWS-SA1B-740-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P629342

CATALOG NUMBER: GWS-SA1B-740-U-SL2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	954.4	0.0	954.4
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	2098.2	0.0	2098.2
	% Fixture	68.7	0.0	68.7
Total	Lumens	3052.6	0.0	3052.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	2.9
10°-20°	231.3	7.6
20°-30°	340.7	11.2
30°-40°	476.9	15.6
40°-50°	627.0	20.5
50°-60°	735.1	24.1
60°-70°	433.1	14.2
70°-80°	107.7	3.5
80°-90°	12.6	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°	3052.6	100.0
0°-180°	3052.6	100.0

Coefficient of Utilization



REPORT NUMBER: P629342

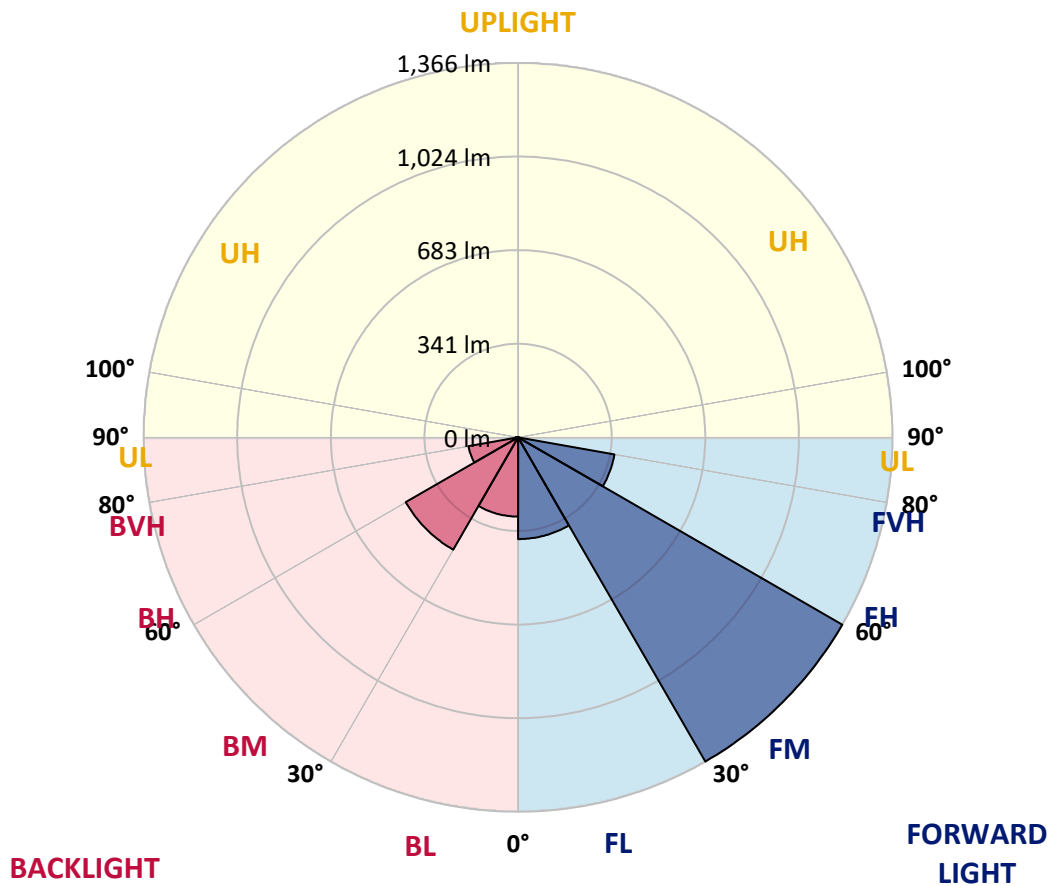
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	371.1	12.2			
FM (30°-60°)	1365.8	44.7			
FH (60°-80°)	357.0	11.7			G0/660
FVH (80°-90°)	4.2	0.1			G0/10
BL (0°-30°)	289.0	9.5	B1/500		
BM (30°-60°)	473.3	15.5	B1/1000		
BH (60°-80°)	183.8	6.0	B1/500		G1/500
BVH (80°-90°)	8.4	0.3			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





REPORT NUMBER: P629342
 CATALOG NUMBER: GWS-SA1B-740-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8
2.5°	918.8	921.3	921.9	929.8	930.3	941.9	949.6	948.1	956.0	965.8	973.5
5°	874.8	875.1	877.7	887.2	892.3	907.5	920.3	920.3	935.7	955.8	973.0
7.5°	838.6	838.3	840.7	851.2	859.7	877.9	895.4	897.4	919.0	948.3	976.3
10°	804.9	806.7	809.3	822.2	833.0	855.6	876.4	879.7	906.9	943.2	980.9
12.5°	783.4	783.6	787.5	801.9	815.7	839.9	861.7	865.8	897.2	938.3	984.3
15°	769.5	769.8	773.9	789.8	806.0	830.4	852.7	857.4	891.5	937.5	990.7
17.5°	763.3	763.1	766.9	782.9	800.6	826.0	849.9	855.6	894.1	943.4	1002.0
20°	763.3	763.6	765.6	780.0	798.0	825.0	852.7	859.7	904.1	956.8	1019.5
22.5°	774.1	775.1	776.2	785.9	800.1	826.5	860.2	869.4	925.7	979.1	1042.3
25°	795.2	795.4	796.5	804.4	810.9	830.9	872.5	886.4	959.4	1011.8	1071.1
27.5°	823.4	827.0	828.1	833.2	833.2	841.7	891.8	911.8	1004.8	1058.8	1107.9
30°	863.0	864.3	866.1	871.8	865.6	862.0	920.1	945.7	1057.5	1115.6	1152.1
32.5°	897.7	900.5	910.3	919.5	908.5	897.2	961.7	992.0	1108.1	1174.7	1199.1
35°	927.2	934.2	952.9	973.5	965.8	954.5	1016.9	1048.5	1149.7	1217.1	1240.7
37.5°	963.0	968.4	994.0	1027.4	1034.4	1029.0	1084.2	1106.8	1177.5	1227.8	1263.3
40°	999.2	1007.4	1040.6	1086.8	1113.3	1117.1	1146.4	1161.6	1187.0	1206.8	1258.9
42.5°	1036.2	1050.3	1095.8	1149.7	1196.8	1205.5	1198.8	1205.2	1183.9	1177.7	1238.6
45°	1081.4	1098.1	1149.5	1218.3	1280.3	1293.9	1250.2	1244.3	1183.4	1166.7	1226.1
47.5°	1134.8	1151.5	1200.6	1280.8	1359.9	1369.9	1302.9	1292.1	1201.4	1183.7	1243.0
50°	1182.1	1193.7	1237.6	1327.3	1434.2	1440.1	1360.9	1347.8	1246.1	1230.7	1295.9
52.5°	1134.1	1132.8	1179.0	1289.5	1472.7	1543.9	1450.3	1437.8	1332.4	1308.8	1377.9
55°	962.2	947.5	988.9	1097.6	1365.0	1636.1	1610.7	1585.5	1447.5	1387.4	1454.7
57.5°	703.5	699.4	709.4	811.4	1093.5	1493.3	1708.8	1706.5	1547.0	1459.3	1531.3
60°	550.1	543.9	517.2	520.0	745.3	1166.4	1483.0	1551.1	1608.6	1502.5	1584.7
62.5°	488.4	483.8	469.9	431.6	444.0	782.1	1087.1	1149.5	1405.6	1327.0	1361.2
65°	404.4	403.1	414.7	413.1	372.0	431.9	613.5	676.5	883.8	894.9	883.8
67.5°	293.9	291.6	320.9	378.7	358.2	326.0	342.0	363.8	453.2	407.0	366.4
70°	191.2	187.8	204.8	273.6	320.6	284.2	246.4	242.8	249.2	154.9	167.5
72.5°	128.2	124.4	124.1	150.6	193.7	191.4	190.9	189.1	168.8	122.3	135.7
75°	71.4	68.3	67.6	65.0	69.4	70.7	75.3	77.8	84.3	92.8	102.8
77.5°	12.1	11.8	14.9	19.0	26.2	33.7	41.6	43.9	54.2	64.2	70.7
80°	6.7	6.9	9.0	11.0	14.6	20.0	25.7	27.2	33.4	38.8	43.9
82.5°	3.6	3.6	4.6	5.9	8.0	10.5	13.9	15.2	19.3	22.6	26.2
85°	1.3	1.3	1.8	2.3	3.3	4.4	5.4	6.2	8.5	11.6	13.1
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	1.0	1.0	1.3	2.3	3.3
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: P629342

CATALOG NUMBER: GWS-SA1B-740-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8
2.5°	979.9	973.0	982.5	986.9	988.4	989.4	982.7	978.1	976.6	971.7	968.9
5°	983.5	978.9	987.9	987.9	981.5	974.8	961.2	951.7	945.0	937.0	935.7
7.5°	989.7	986.3	991.2	981.2	965.0	947.0	923.4	904.9	890.0	880.2	880.5
10°	997.9	993.8	989.9	967.6	938.0	904.9	868.7	841.7	817.0	805.7	799.6
12.5°	1003.3	997.4	981.2	944.2	900.8	856.3	805.2	765.1	729.4	713.2	711.9
15°	1010.0	999.2	966.8	913.9	853.5	792.9	727.1	671.3	623.0	597.9	596.6
17.5°	1018.7	1001.0	949.6	879.2	803.7	714.3	631.5	561.4	510.0	490.5	493.8
20°	1031.0	1003.0	930.1	840.7	741.7	624.8	521.8	457.3	437.5	436.3	433.7
22.5°	1044.9	1004.3	908.5	797.5	666.7	529.5	431.1	403.6	403.4	409.8	411.3
25°	1060.6	1005.4	884.1	747.1	585.5	434.5	381.3	373.1	379.5	391.6	393.1
27.5°	1080.6	1007.4	854.5	691.9	499.2	375.4	353.8	351.7	359.4	370.7	370.2
30°	1110.2	1014.9	823.2	628.4	410.6	347.4	337.1	337.3	340.4	345.8	346.6
32.5°	1140.2	1026.4	792.6	557.0	359.7	331.4	326.8	326.3	326.3	328.6	329.1
35°	1168.8	1039.5	759.5	482.5	335.0	322.2	319.1	317.6	316.8	316.3	315.5
37.5°	1184.7	1045.9	727.1	409.0	321.9	316.0	312.9	310.9	308.1	306.0	305.5
40°	1177.7	1038.5	689.6	354.0	314.0	310.1	306.5	303.7	299.8	298.0	297.0
42.5°	1154.6	1015.4	648.7	328.1	307.5	303.7	299.3	294.7	292.1	290.6	290.3
45°	1130.2	987.4	599.4	312.9	301.4	296.7	291.6	286.5	283.6	282.9	282.6
47.5°	1129.4	973.5	547.0	300.9	293.9	289.3	282.9	277.7	274.7	273.6	272.6
50°	1163.4	987.6	487.9	290.3	286.2	281.3	274.1	268.5	264.6	263.3	263.1
52.5°	1233.8	1040.8	435.0	279.8	275.9	270.3	264.4	258.7	254.1	251.8	251.5
55°	1309.8	1108.4	402.1	269.0	263.9	259.0	253.6	247.4	242.3	238.7	238.2
57.5°	1388.4	1182.1	392.1	255.4	251.5	248.2	241.8	235.1	229.2	225.8	225.1
60°	1453.2	1245.6	410.8	241.0	238.9	234.6	228.7	222.2	218.1	215.6	215.0
62.5°	1216.5	1014.1	331.7	225.3	225.3	220.7	214.0	209.4	206.6	204.8	204.3
65°	772.1	627.9	226.4	209.7	209.4	203.2	197.6	194.5	193.2	190.4	189.9
67.5°	336.3	287.0	193.5	193.7	192.7	186.0	180.4	178.0	175.5	172.4	172.1
70°	174.5	177.8	173.2	176.0	174.2	166.2	160.8	157.2	151.8	148.8	149.0
72.5°	140.8	144.4	149.5	153.9	150.0	143.6	135.1	130.8	123.8	120.5	120.8
75°	107.4	111.2	116.1	120.8	117.7	109.7	104.3	99.9	92.0	88.1	88.9
77.5°	74.0	76.1	82.0	81.7	80.7	78.4	70.4	65.3	57.0	52.4	52.9
80°	46.0	47.3	50.1	51.4	50.9	47.8	41.4	37.5	32.6	29.8	30.1
82.5°	27.7	28.5	31.1	31.3	31.1	28.8	23.9	21.1	18.0	16.4	16.4
85°	14.1	14.6	16.2	16.2	14.6	12.3	11.0	9.8	8.0	7.2	7.2
87.5°	3.9	3.9	4.9	4.1	3.3	3.1	1.5	1.3	0.5	0.3	0.3
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)