

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: P631612

Luminaire Tested: GWS-SA2B-722-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631612
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-SA2B-722-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5074.1 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B2 - U0 - G2

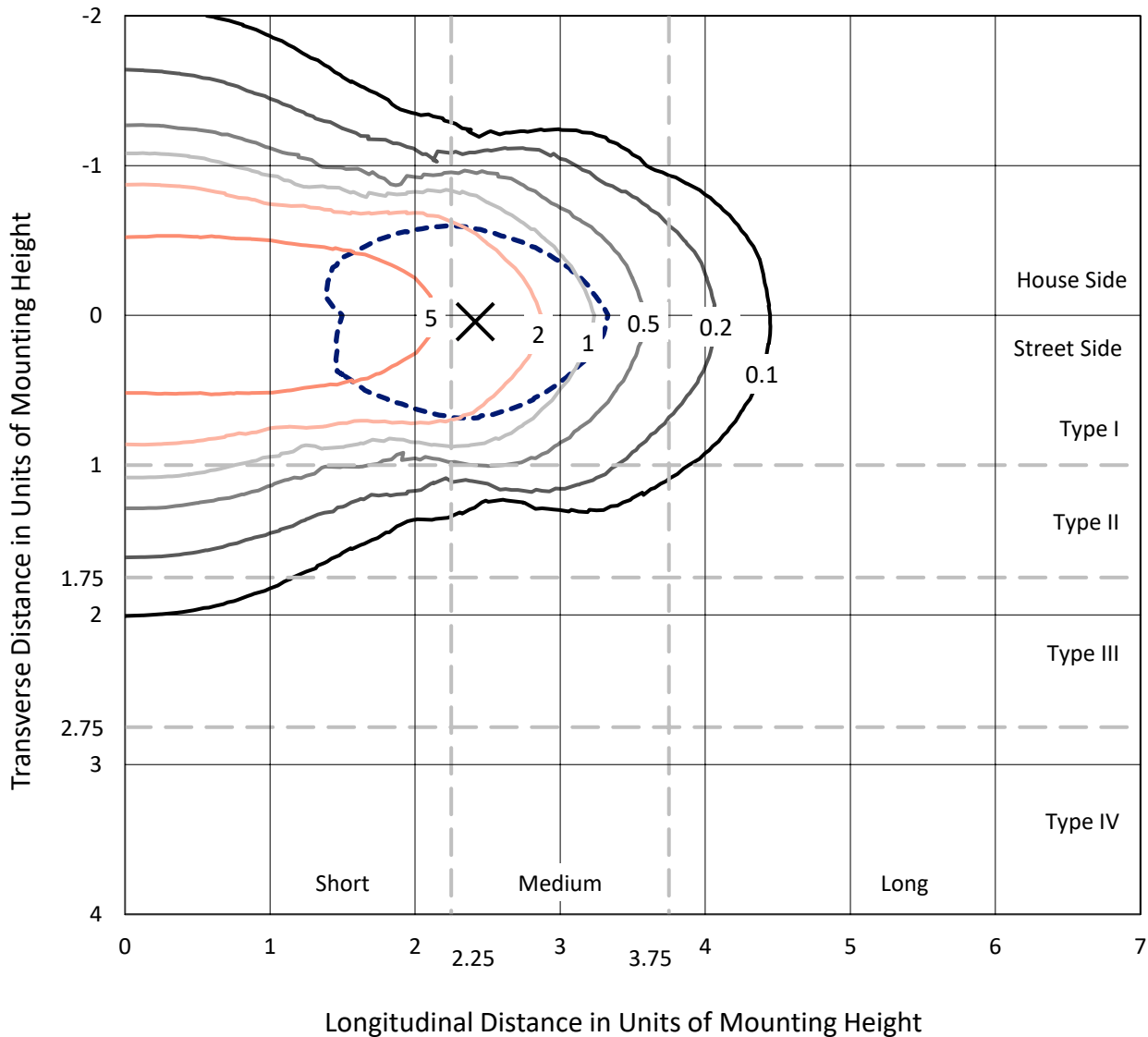
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

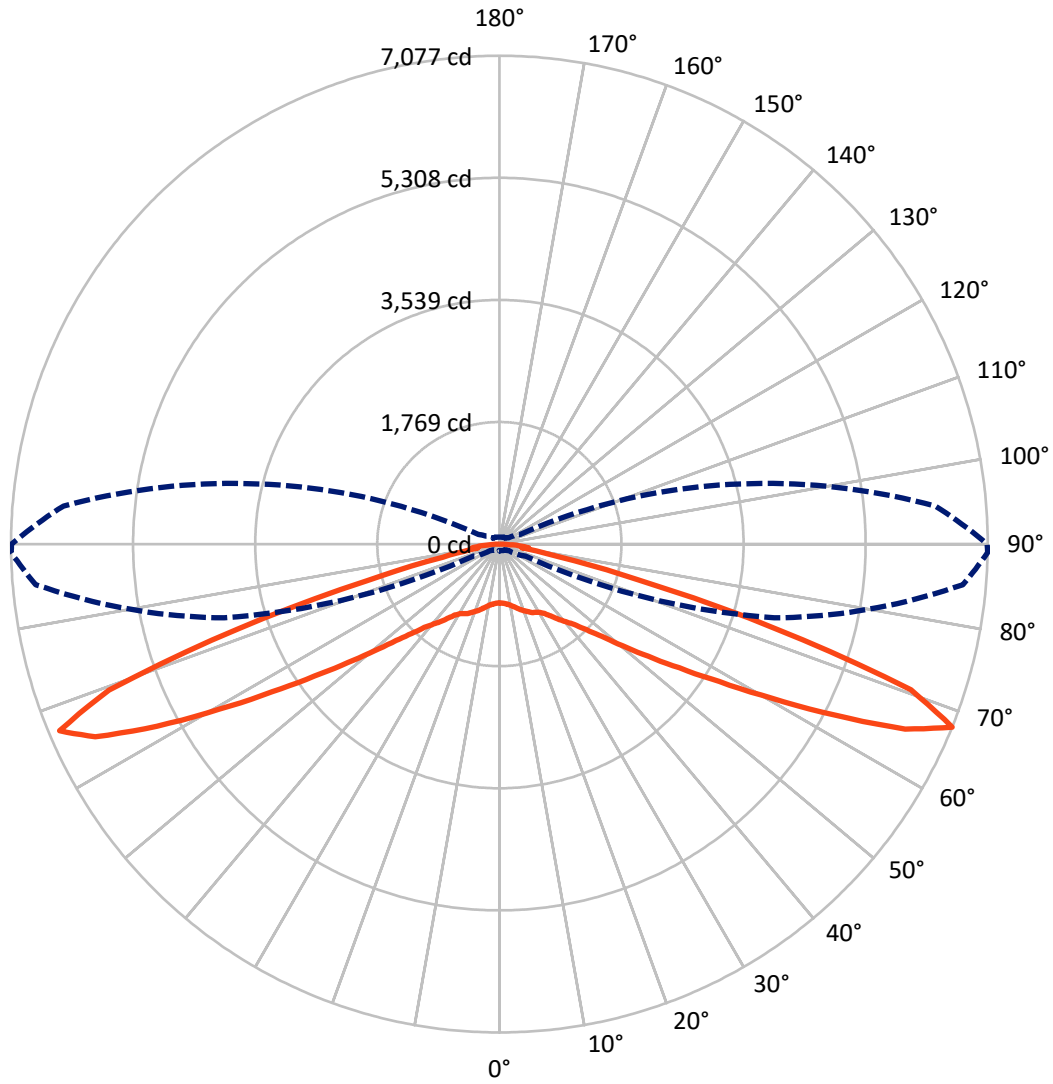
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2514.8	0.0	2514.8
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	2559.3	0.0	2559.3
	% Fixture	50.4	0.0	50.4
Total	Lumens	5074.1	0.0	5074.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	1.7
10°-20°	278.2	5.5
20°-30°	470.2	9.3
30°-40°	645.3	12.7
40°-50°	822.9	16.2
50°-60°	1032.5	20.3
60°-70°	1245.3	24.5
70°-80°	450.5	8.9
80°-90°	43.8	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°	5074.1	100.0
0°-180°	5074.1	100.0

Coefficient of Utilization



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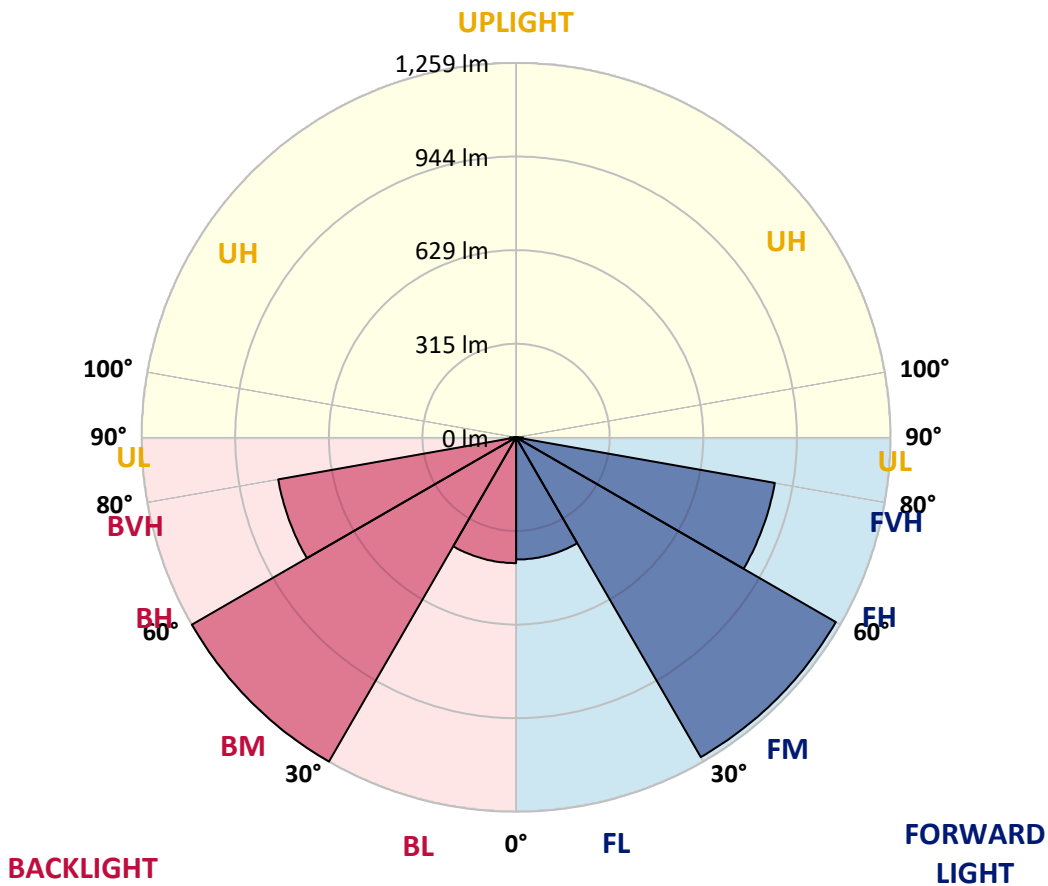
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	411.0	8.1			
FM (30°-60°)	1241.7	24.5			
FH (60°-80°)	883.5	17.4			G1/1800
FVH (80°-90°)	23.1	0.5			G1/100
BL (0°-30°)	422.8	8.3	B1/500		
BM (30°-60°)	1259.0	24.8	B2/2500		
BH (60°-80°)	812.3	16.0	B2/1000		G2/1000
BVH (80°-90°)	20.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	851.6	851.6	851.6	851.6	851.6	851.6	851.6	851.6	851.6	851.6	851.6
2.5°	854.2	853.5	851.6	857.1	856.0	856.4	858.6	857.1	854.6	850.2	856.4
5°	878.2	877.9	873.9	877.2	873.5	871.0	870.6	867.0	864.0	859.3	865.9
7.5°	901.6	901.2	897.9	903.8	900.8	897.9	894.6	887.4	880.4	873.5	880.8
10°	919.4	919.1	918.3	926.7	927.4	928.5	927.1	914.7	902.7	894.3	901.6
12.5°	929.6	930.7	932.5	947.9	955.5	962.8	964.6	954.4	934.4	922.3	931.1
15°	922.7	924.9	934.0	961.7	982.8	999.2	1006.2	997.8	971.9	951.9	961.7
17.5°	889.5	891.4	909.2	951.5	998.1	1036.0	1047.3	1042.2	1013.4	989.0	998.5
20°	843.6	847.6	867.0	926.0	995.6	1061.6	1091.8	1090.0	1058.6	1021.1	1032.4
22.5°	802.1	806.8	827.2	892.5	978.5	1068.1	1136.6	1141.4	1099.8	1053.2	1062.3
25°	755.4	759.8	786.1	852.7	948.9	1063.0	1174.9	1196.4	1146.5	1090.0	1098.4
27.5°	707.7	711.0	736.9	807.9	910.3	1053.5	1205.1	1256.9	1192.4	1115.5	1121.3
30°	665.8	670.2	693.9	763.1	868.0	1034.6	1229.9	1321.4	1245.2	1144.3	1149.0
32.5°	625.3	629.0	654.9	719.0	823.2	1005.4	1252.1	1397.2	1323.6	1197.8	1197.8
35°	574.3	580.9	610.0	676.7	780.9	966.8	1268.2	1485.4	1430.7	1276.9	1277.3
37.5°	527.3	531.0	561.6	629.0	736.5	923.1	1269.6	1576.8	1566.3	1377.5	1378.2
40°	473.7	478.5	511.3	578.0	685.5	877.2	1255.8	1662.1	1708.4	1481.0	1477.0
42.5°	419.4	426.4	457.7	522.9	630.4	821.0	1219.0	1743.4	1888.8	1600.9	1591.1
45°	367.0	371.3	402.7	464.3	567.4	754.0	1159.9	1821.4	2103.1	1783.1	1768.9
47.5°	307.9	309.8	342.2	401.2	502.2	679.3	1075.4	1891.0	2338.5	2024.3	1999.9
50°	255.5	258.0	283.5	334.2	422.4	590.7	970.1	1931.8	2638.4	2353.4	2311.1
52.5°	206.6	209.2	229.6	270.0	349.1	489.8	839.6	1922.3	2942.7	2761.9	2700.3
55°	166.9	168.7	182.6	214.3	274.8	389.6	685.5	1837.4	3280.5	3295.4	3162.8
57.5°	141.0	141.8	151.2	170.5	214.6	300.3	529.1	1637.0	3634.7	3976.2	3758.3
60°	126.1	126.5	130.8	142.9	169.5	229.2	387.7	1317.7	4001.7	4827.8	4529.0
62.5°	116.6	116.6	120.3	127.2	140.7	176.4	285.0	946.4	4265.2	5754.5	5457.5
65°	107.5	107.5	110.1	115.9	123.2	143.9	213.9	610.4	4394.5	6529.3	6463.3
67.5°	95.8	96.2	98.0	104.2	110.8	120.3	162.2	412.9	4126.0	6743.6	7077.4
70°	84.9	85.3	87.8	91.8	97.3	103.9	126.8	284.6	3003.2	5616.4	6328.1
72.5°	72.9	74.3	76.2	80.5	83.8	88.6	103.5	184.4	1747.4	3612.8	4183.2
75°	59.8	61.6	63.8	68.1	70.3	72.2	85.3	131.6	840.7	1830.8	2084.8
77.5°	46.3	48.1	50.7	54.7	56.1	58.3	65.2	95.1	402.7	811.6	875.0
80°	31.0	31.7	33.9	38.6	41.2	42.6	48.1	64.9	174.9	325.8	322.9
82.5°	18.9	19.3	20.0	23.0	24.1	25.5	31.3	39.7	83.5	370.2	424.5
85°	6.9	6.6	6.2	8.0	9.5	10.9	14.6	20.0	36.4	254.4	284.6
87.5°	0.0	0.0	0.0	0.4	0.7	0.7	1.5	2.9	8.7	95.1	65.2
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°	851.6	851.6	851.6	851.6	851.6	851.6	851.6	851.6	851.6	851.6	851.6
2.5°	854.6	850.6	855.7	859.3	867.3	870.2	871.0	868.4	868.4	864.0	864.8
5°	864.4	861.9	870.2	876.4	888.1	892.5	895.4	893.6	894.6	891.7	892.5
7.5°	879.3	877.2	891.7	903.8	915.8	920.9	923.4	922.0	922.3	918.7	919.8
10°	900.1	900.8	918.3	934.0	950.0	955.1	956.2	951.9	948.2	941.7	942.0
12.5°	928.5	932.2	957.0	974.5	990.9	998.1	990.1	974.1	959.2	947.9	946.4
15°	959.5	966.1	1001.8	1024.0	1041.9	1038.2	1014.5	978.5	948.9	932.2	928.9
17.5°	996.7	1006.5	1051.3	1078.0	1093.3	1069.9	1020.4	966.4	925.3	902.7	898.3
20°	1031.7	1047.3	1103.8	1138.4	1140.3	1087.8	1017.8	942.0	890.3	862.6	856.7
22.5°	1063.7	1083.8	1158.9	1202.9	1179.3	1095.8	1002.2	907.4	848.0	815.6	810.5
25°	1098.7	1127.1	1223.0	1264.2	1218.3	1092.5	969.4	864.4	797.0	763.8	760.2
27.5°	1122.8	1158.5	1287.5	1326.8	1250.3	1073.9	927.1	817.4	750.3	719.0	713.9
30°	1150.5	1196.0	1358.6	1395.0	1270.0	1046.6	881.9	773.7	707.0	673.1	669.4
32.5°	1200.8	1258.0	1446.7	1467.2	1276.2	1012.7	838.5	731.4	661.8	627.9	622.8
35°	1281.7	1348.7	1570.6	1547.7	1271.5	975.5	797.3	681.8	615.5	583.8	578.7
37.5°	1383.7	1467.2	1708.8	1620.2	1258.3	934.7	748.5	640.3	574.0	541.9	539.0
40°	1478.8	1581.6	1863.6	1682.9	1231.7	884.4	701.5	596.9	529.1	495.2	488.7
42.5°	1598.0	1734.6	2042.9	1737.2	1188.0	824.3	648.7	543.3	473.0	442.4	434.4
45°	1779.1	1948.9	2251.4	1789.3	1122.8	750.3	582.3	478.1	411.4	380.1	373.9
47.5°	2005.0	2216.8	2477.3	1820.3	1023.7	672.4	507.3	409.2	342.6	307.2	304.3
50°	2322.4	2606.3	2719.7	1814.8	912.9	579.8	422.7	327.2	271.5	246.0	242.0
52.5°	2709.1	3095.4	2981.7	1749.2	795.2	474.5	329.4	256.9	215.4	197.2	193.9
55°	3194.1	3681.0	3257.5	1608.5	646.5	363.3	258.7	202.6	174.2	163.3	161.8
57.5°	3794.7	4439.4	3523.2	1371.7	486.1	277.3	199.3	167.3	153.8	147.2	146.9
60°	4587.3	5244.4	3753.9	1065.9	348.0	212.1	164.7	149.4	138.8	134.5	134.1
62.5°	5529.7	5975.4	3897.5	725.9	261.7	169.1	145.0	135.6	129.4	126.8	126.5
65°	6498.3	6437.5	3828.9	475.6	198.6	143.6	130.1	125.0	119.5	117.0	117.0
67.5°	7070.5	6339.8	3303.1	330.2	157.4	126.1	117.3	112.6	103.5	101.3	101.3
70°	6262.5	5137.2	2165.0	241.6	127.5	110.4	102.0	95.5	91.8	89.6	89.3
72.5°	4142.0	3342.8	1151.2	167.6	106.4	94.0	86.4	83.8	79.4	77.3	76.9
75°	2061.5	1755.8	590.0	121.0	88.6	75.4	72.2	71.1	67.4	64.5	63.8
77.5°	859.3	781.7	275.1	87.8	67.4	60.9	57.9	57.9	53.9	50.7	49.2
80°	324.0	288.6	130.1	60.1	49.9	45.2	43.4	41.9	38.6	34.6	32.4
82.5°	433.3	283.2	63.8	37.5	32.8	29.2	26.6	25.5	23.7	21.9	20.4
85°	280.6	201.2	28.8	19.3	16.4	12.4	10.9	10.2	9.1	8.0	7.3
87.5°	57.2	67.4	8.7	3.6	2.2	1.1	1.1	0.4	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)