

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: P630552

Luminaire Tested: GWS-SA1D-830-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-830-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4733.6 lumens
Efficiency: N/A
Efficacy: 106.9 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

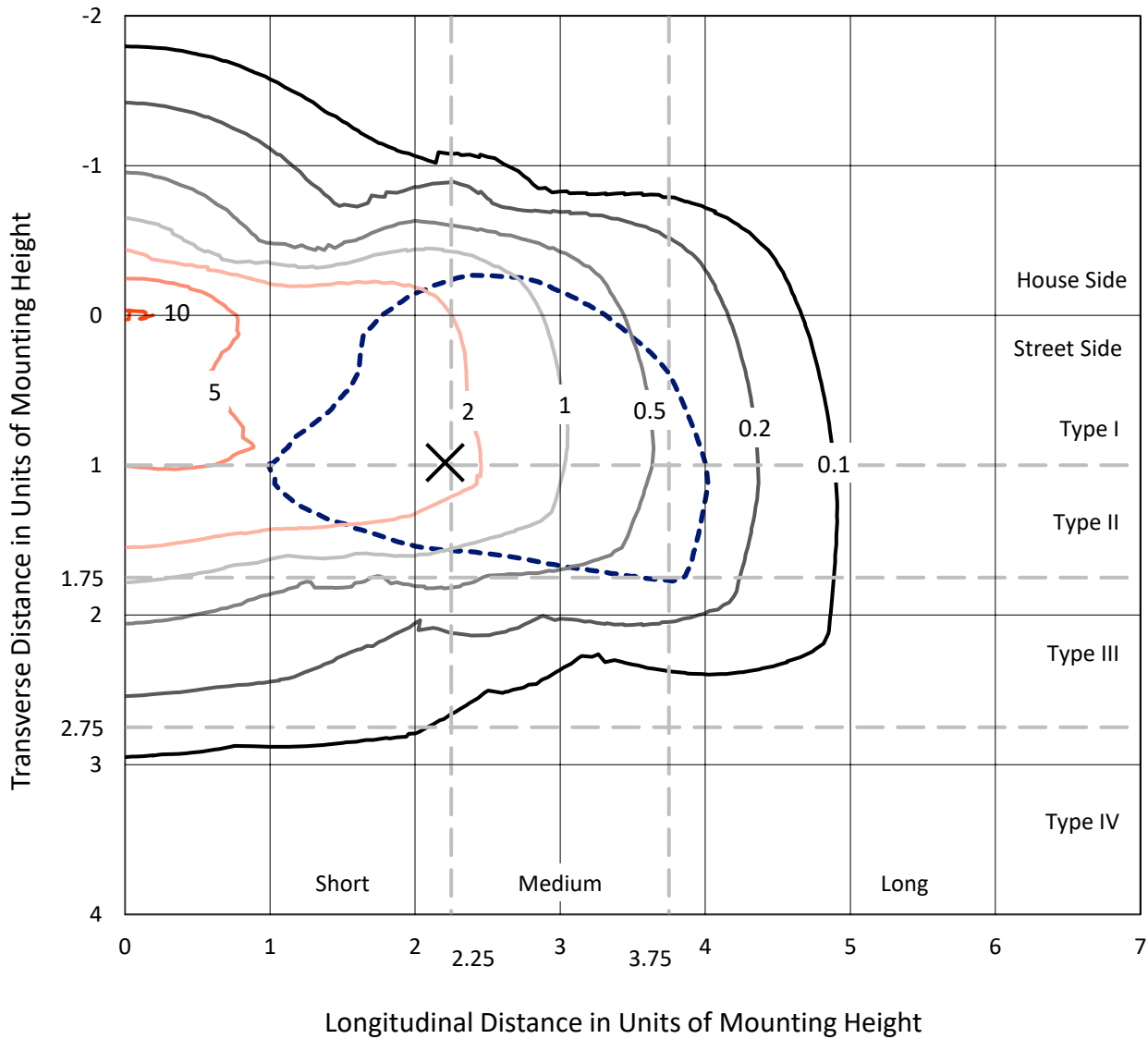
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

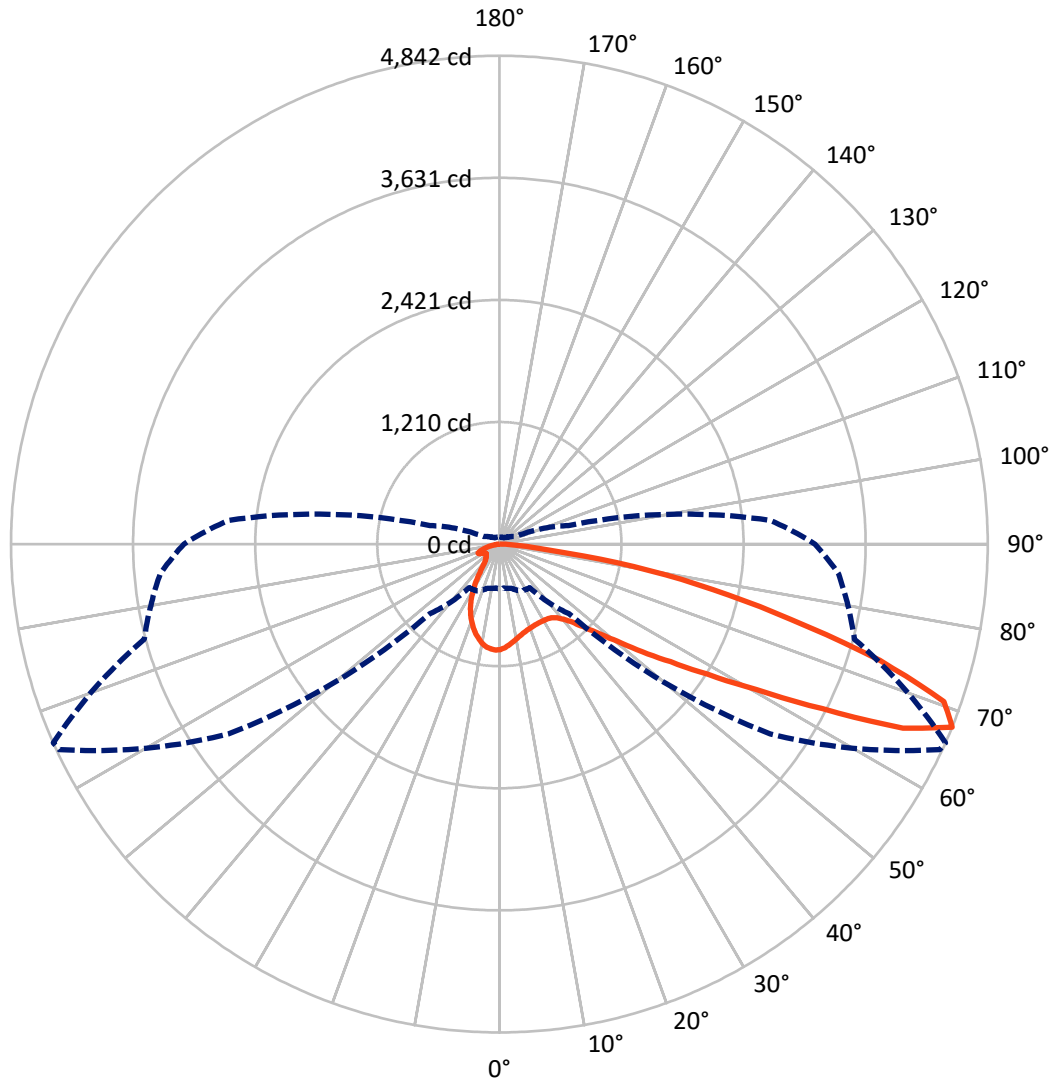
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	960.5	0.0	960.5
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	3773.0	0.0	3773.0
	% Fixture	79.7	0.0	79.7
Total	Lumens	4733.6	0.0	4733.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.8	1.9
10°-20°	225.6	4.8
20°-30°	310.1	6.6
30°-40°	424.0	9.0
40°-50°	642.4	13.6
50°-60°	998.6	21.1
60°-70°	1215.8	25.7
70°-80°	740.6	15.6
80°-90°	84.6	1.8
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°	4733.6	100.0
0°-180°	4733.6	100.0

Coefficient of Utilization



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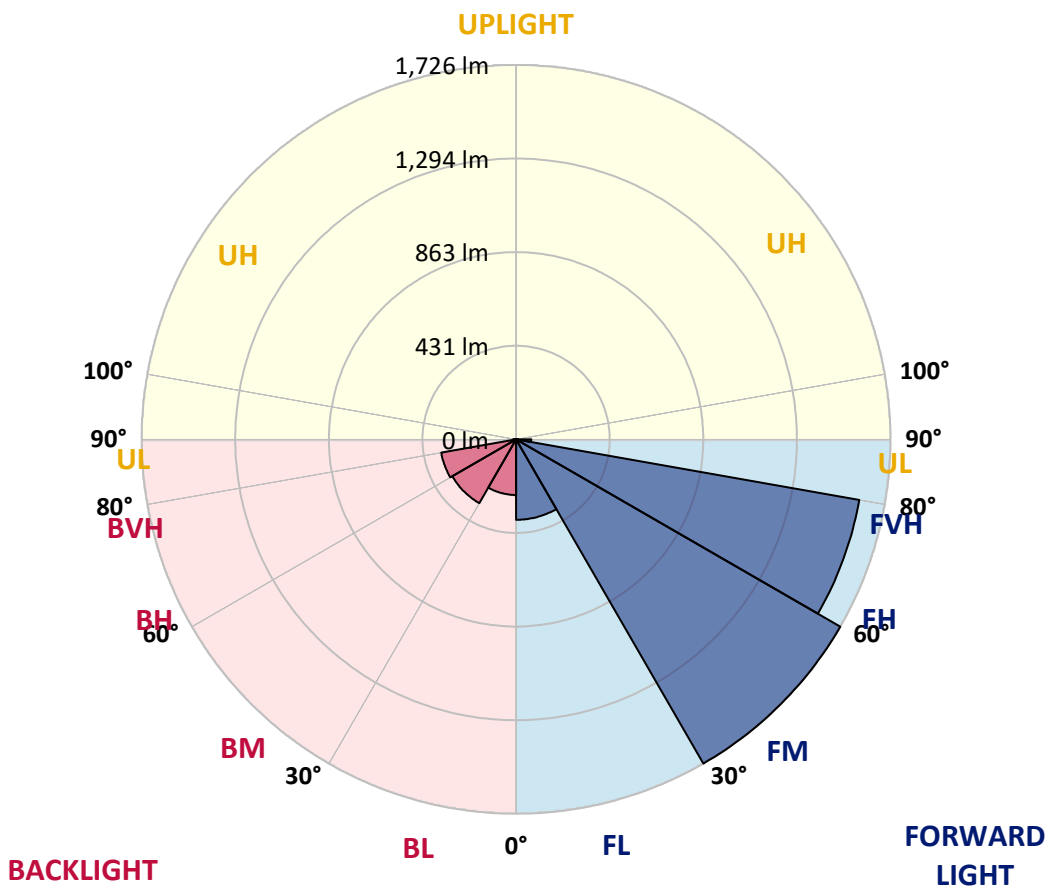
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	370.9	7.8			
FM (30°-60°)	1725.6	36.5			
FH (60°-80°)	1606.2	33.9			G1/1800
FVH (80°-90°)	70.3	1.5			G1/100
BL (0°-30°)	256.6	5.4	B1/500		
BM (30°-60°)	339.4	7.2	B1/1000		
BH (60°-80°)	350.2	7.4	B1/500		G1/500
BVH (80°-90°)	14.3	0.3			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0
2.5°	979.7	983.1	981.1	994.2	994.9	1011.5	1020.8	1028.7	1029.4	1039.8	1046.7
5°	912.7	914.8	914.8	927.2	935.5	957.6	979.0	1001.8	1003.5	1028.4	1047.4
7.5°	858.5	860.6	859.2	875.7	886.5	911.0	938.2	973.1	976.6	1016.6	1049.8
10°	816.0	815.3	818.8	834.0	847.8	877.1	907.5	947.2	952.4	1003.2	1052.6
12.5°	787.0	787.7	789.8	805.6	820.5	849.5	880.9	924.1	929.6	987.6	1051.2
15°	773.2	771.8	773.5	788.0	802.2	827.7	860.2	904.8	910.3	973.8	1051.5
17.5°	770.1	769.0	768.7	779.1	789.8	813.6	844.7	889.9	895.8	964.8	1053.6
20°	779.7	778.4	774.6	779.1	783.5	803.6	833.6	879.2	885.8	959.0	1057.7
22.5°	806.3	803.9	798.0	792.5	786.7	798.7	826.7	871.3	877.8	955.2	1061.9
25°	846.7	844.7	838.5	826.0	804.6	802.5	825.3	867.8	874.4	952.4	1063.6
27.5°	902.3	899.2	893.0	875.1	840.2	816.7	830.5	867.5	873.7	949.3	1061.9
30°	968.3	966.2	962.8	941.0	894.4	846.7	842.2	870.2	875.1	947.6	1058.4
32.5°	1035.3	1033.2	1036.0	1025.6	968.3	896.5	867.8	877.8	881.3	947.2	1055.3
35°	1094.3	1096.8	1116.8	1118.5	1062.2	963.8	908.2	895.4	896.1	954.1	1056.7
37.5°	1156.2	1165.5	1191.7	1214.2	1167.2	1052.9	968.3	928.6	927.9	971.7	1065.3
40°	1238.0	1242.1	1275.6	1317.8	1288.4	1175.1	1053.6	982.8	978.0	1007.7	1088.5
42.5°	1317.8	1327.8	1381.3	1429.6	1420.0	1312.9	1161.0	1063.9	1055.3	1071.2	1136.1
45°	1419.3	1429.0	1489.0	1551.2	1568.8	1468.7	1298.4	1179.3	1170.7	1166.9	1223.5
47.5°	1520.8	1530.8	1584.7	1674.5	1736.3	1663.4	1477.3	1331.6	1317.4	1302.6	1355.4
50°	1589.2	1600.9	1652.4	1760.1	1905.2	1906.5	1689.3	1531.2	1513.2	1489.7	1541.2
52.5°	1586.8	1594.4	1643.4	1767.7	2026.7	2185.9	1973.2	1785.3	1770.8	1719.7	1764.6
55°	1462.1	1473.5	1522.9	1678.3	2039.8	2450.8	2390.3	2085.1	2059.2	1967.7	2017.0
57.5°	1211.7	1221.4	1271.1	1462.8	1923.5	2586.5	2920.1	2467.0	2431.4	2237.7	2294.7
60°	914.8	903.0	926.5	1094.3	1645.1	2589.9	3387.6	2985.0	2925.6	2526.4	2574.1
62.5°	686.5	674.8	679.9	727.3	1115.4	2380.7	3654.2	3693.6	3595.5	2852.4	2843.1
65°	542.5	535.9	550.8	583.3	650.2	1813.0	3656.3	4459.9	4398.1	3230.2	3119.0
67.5°	442.0	437.9	453.1	513.2	527.3	974.2	3278.5	4817.6	4841.8	3643.9	3374.9
70°	356.0	349.8	373.6	452.7	490.4	589.5	2348.6	4635.3	4674.3	3890.4	3302.7
72.5°	245.9	246.2	258.3	366.7	473.4	509.0	1328.5	3859.7	3944.3	3667.0	2903.5
75°	165.8	167.1	170.6	242.1	436.1	493.8	707.9	2922.1	2981.9	3030.9	2400.0
77.5°	100.1	100.8	108.8	146.4	300.8	461.0	479.7	2118.2	2165.2	1998.1	1487.7
80°	58.0	60.4	67.7	98.1	203.1	346.4	371.2	1298.8	1351.9	888.2	472.8
82.5°	25.6	27.3	36.9	57.0	118.4	294.6	289.7	513.2	505.6	247.6	164.0
85°	4.5	5.5	7.9	18.0	43.5	155.4	224.8	226.5	213.1	93.9	68.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	33.8	60.8	60.4	26.6	23.5
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°	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0
2.5°	1051.2	1041.8	1050.1	1051.2	1049.4	1048.1	1037.7	1028.7	1027.7	1018.0	1018.0
5°	1055.0	1046.3	1050.5	1042.5	1030.1	1017.3	995.2	980.0	973.1	960.7	960.7
7.5°	1060.1	1051.2	1046.3	1026.7	997.6	969.7	934.1	904.4	892.3	874.7	874.0
10°	1065.0	1053.6	1037.0	998.7	952.4	907.9	856.1	813.9	785.3	764.2	764.2
12.5°	1064.6	1049.8	1017.0	960.4	896.5	831.9	762.8	699.3	661.3	628.5	626.4
15°	1063.9	1043.6	991.4	915.8	831.2	741.8	647.8	565.0	508.7	476.5	473.8
17.5°	1063.3	1035.6	962.8	865.0	751.8	629.9	505.9	416.1	369.2	349.5	350.2
20°	1063.3	1026.7	932.0	806.7	660.3	495.9	371.2	306.0	294.2	295.3	296.3
22.5°	1060.1	1015.6	897.8	743.1	558.4	364.7	273.8	251.7	258.0	267.6	269.0
25°	1052.9	997.3	858.1	672.7	437.2	265.6	223.4	219.3	230.7	242.8	246.2
27.5°	1041.5	976.2	813.6	590.2	321.8	213.4	196.5	196.1	205.1	214.1	217.2
30°	1029.4	952.8	766.6	498.3	233.1	185.8	179.2	179.2	183.7	189.2	188.5
32.5°	1015.3	928.9	716.2	402.6	189.9	170.2	168.2	167.1	167.8	169.9	169.9
35°	1003.2	907.9	664.4	301.5	170.2	161.6	159.5	157.1	156.1	154.7	155.4
37.5°	998.7	891.3	610.9	227.2	160.6	155.4	151.9	148.5	146.1	145.4	145.0
40°	1005.9	884.4	557.4	187.2	153.7	148.8	145.0	140.5	138.5	138.5	138.5
42.5°	1034.3	889.6	502.8	169.2	148.8	143.3	137.8	133.6	133.0	133.6	134.0
45°	1086.0	909.6	446.2	160.2	144.7	137.8	131.2	128.1	128.1	128.8	128.8
47.5°	1178.6	962.1	390.2	154.7	140.5	133.3	126.4	123.3	122.9	123.6	123.6
50°	1338.8	1056.7	339.8	150.9	137.4	129.8	122.9	118.8	117.8	117.4	117.4
52.5°	1540.8	1220.7	307.7	148.1	133.6	126.0	119.1	113.6	111.5	110.5	110.5
55°	1785.0	1439.3	307.7	146.1	128.8	121.6	113.6	108.1	105.0	103.6	103.6
57.5°	2061.6	1693.8	360.9	144.3	125.0	116.4	107.7	102.2	98.8	96.7	96.7
60°	2343.0	1962.8	492.4	141.9	121.6	109.8	101.2	96.0	91.5	89.1	88.7
62.5°	2634.8	2259.1	665.8	143.3	119.1	103.6	94.3	88.4	84.6	82.2	81.8
65°	2902.1	2541.3	817.4	154.0	119.5	98.1	86.3	81.2	78.0	74.9	74.6
67.5°	3129.0	2697.0	711.0	175.8	126.7	91.5	78.4	73.2	70.4	68.4	68.0
70°	2970.1	2459.4	403.3	189.2	136.7	84.6	69.4	66.0	63.2	61.8	61.5
72.5°	2539.9	2082.3	269.7	167.1	124.7	75.6	61.1	58.4	56.3	54.6	54.2
75°	2057.4	1651.3	206.2	137.1	97.0	61.5	52.5	50.4	48.3	46.6	46.3
77.5°	1217.3	954.1	151.9	108.4	68.4	48.0	43.5	41.8	39.7	38.3	38.0
80°	388.5	331.5	96.3	74.6	45.2	36.9	33.5	32.1	30.0	28.3	28.0
82.5°	148.1	128.1	51.1	38.0	30.0	25.2	22.4	21.1	19.7	18.0	17.6
85°	65.6	61.5	28.3	20.4	16.2	12.4	11.1	10.4	8.6	7.3	6.9
87.5°	23.1	23.1	12.1	5.9	3.5	1.7	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)