

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: P629892

Luminaire Tested: GWS-SA1C-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629892
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-SA1C-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4831.6 lumens
Efficiency: N/A
Efficacy: 141.7 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

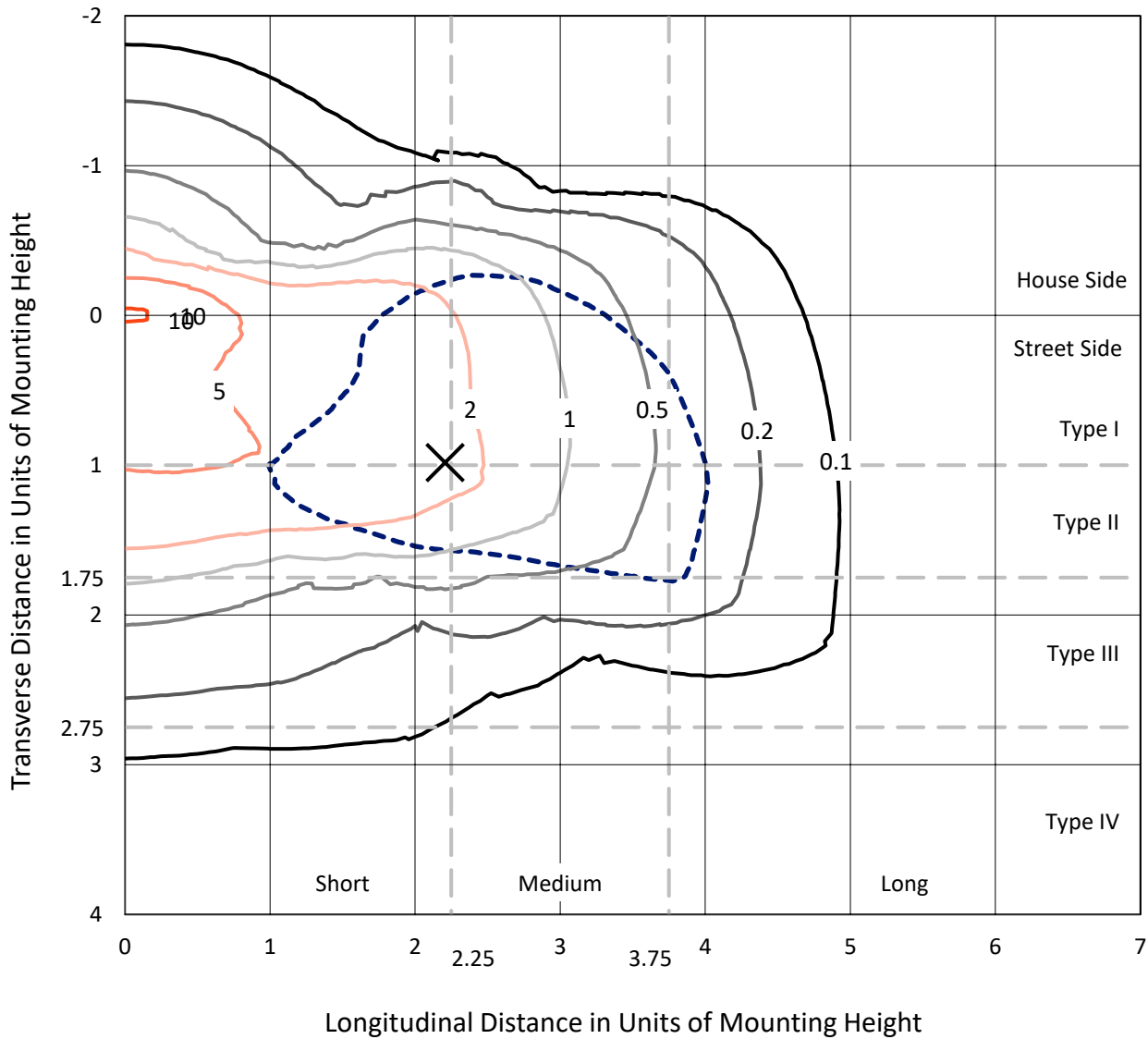
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629892
 CATALOG NUMBER: GWS-SA1C-750-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination

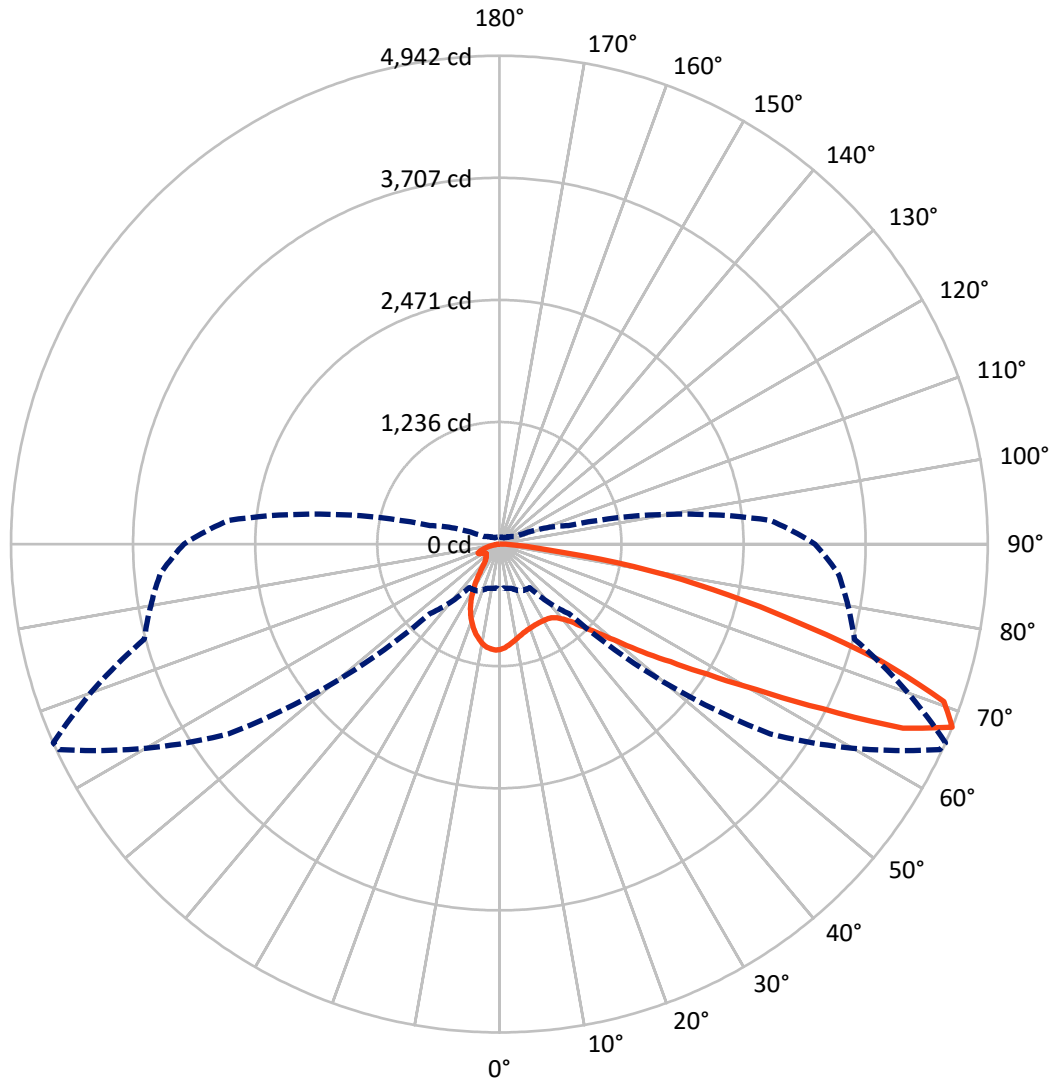
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

REPORT NUMBER: P629892
CATALOG NUMBER: GWS-SA1C-750-U-SL2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629892

CATALOG NUMBER: GWS-SA1C-750-U-SL2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	980.4	0.0	980.4
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	3851.2	0.0	3851.2
	% Fixture	79.7	0.0	79.7
Total	Lumens	4831.6	0.0	4831.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	1.9
10°-20°	230.3	4.8
20°-30°	316.5	6.6
30°-40°	432.7	9.0
40°-50°	655.7	13.6
50°-60°	1019.3	21.1
60°-70°	1241.0	25.7
70°-80°	756.0	15.6
80°-90°	86.4	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°	4831.6	100.0
0°-180°	4831.6	100.0

Coefficient of Utilization



REPORT NUMBER: P629892

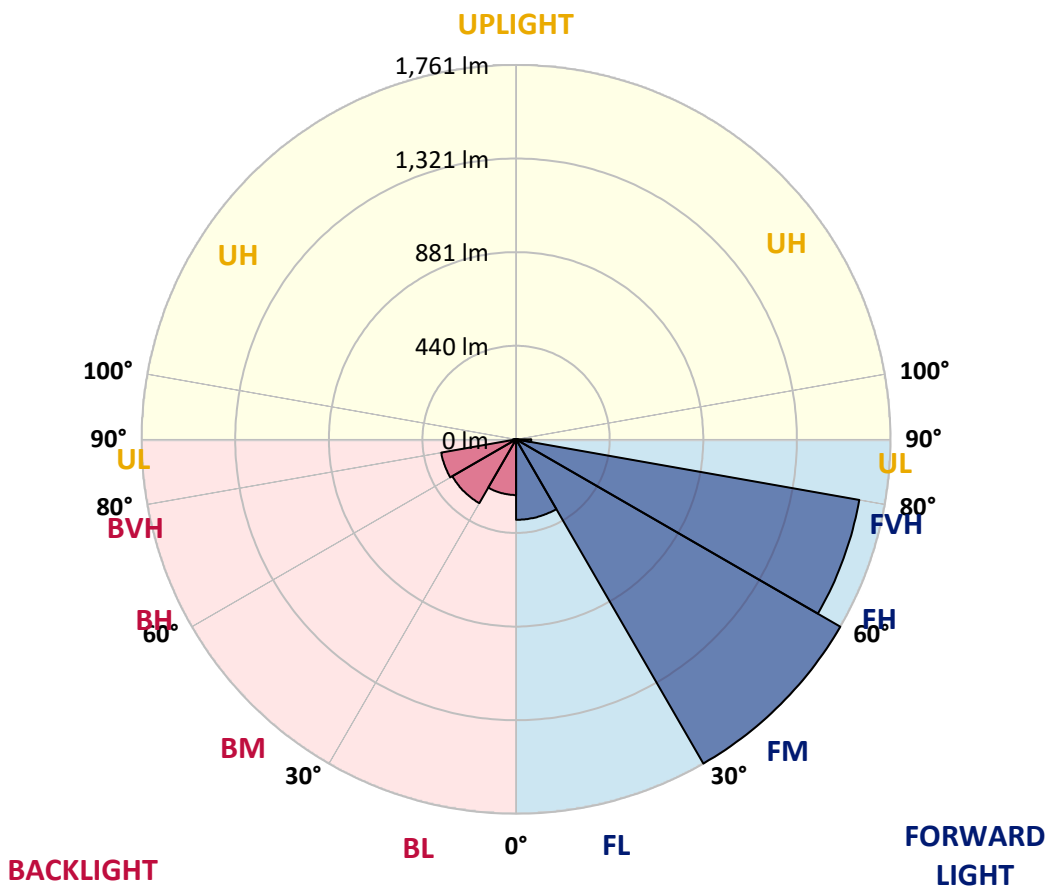
CATALOG NUMBER: GWS-SA1C-750-U-SL2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	378.6	7.8			
FM (30°-60°)	1761.3	36.5			
FH (60°-80°)	1639.5	33.9			G1/1800
FVH (80°-90°)	71.8	1.5			G1/100
BL (0°-30°)	261.9	5.4	B1/500		
BM (30°-60°)	346.5	7.2	B1/1000		
BH (60°-80°)	357.5	7.4	B1/500		G1/500
BVH (80°-90°)	14.6	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





REPORT NUMBER: P629892
 CATALOG NUMBER: GWS-SA1C-750-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6
2.5°	1000.0	1003.5	1001.4	1014.8	1015.5	1032.4	1041.9	1050.0	1050.7	1061.3	1068.4
5°	931.6	933.7	933.7	946.4	954.9	977.4	999.3	1022.5	1024.3	1049.7	1069.1
7.5°	876.3	878.4	877.0	893.9	904.8	929.8	957.7	993.3	996.8	1037.7	1071.5
10°	832.9	832.2	835.7	851.2	865.3	895.3	926.3	966.8	972.1	1023.9	1074.3
12.5°	803.3	804.0	806.1	822.3	837.5	867.1	899.2	943.2	948.9	1008.1	1072.9
15°	789.2	787.8	789.5	804.3	818.8	844.9	878.0	923.5	929.1	994.0	1073.3
17.5°	786.0	785.0	784.6	795.2	806.1	830.4	862.2	908.3	914.3	984.8	1075.4
20°	795.9	794.5	790.6	795.2	799.8	820.2	850.9	897.4	904.1	978.8	1079.6
22.5°	823.0	820.6	814.6	808.9	802.9	815.3	843.8	889.3	896.0	974.9	1083.9
25°	864.3	862.2	855.8	843.1	821.3	819.2	842.4	885.8	892.5	972.1	1085.6
27.5°	921.0	917.8	911.5	893.2	857.6	833.6	847.7	885.4	891.8	969.0	1083.9
30°	988.3	986.2	982.7	960.5	912.9	864.3	859.7	888.2	893.2	967.2	1080.3
32.5°	1056.7	1054.6	1057.4	1046.9	988.3	915.0	885.8	896.0	899.5	966.8	1077.2
35°	1117.0	1119.5	1139.9	1141.7	1084.2	983.8	927.0	914.0	914.7	973.9	1078.6
37.5°	1180.1	1189.6	1216.4	1239.3	1191.4	1074.7	988.3	947.8	947.1	991.9	1087.4
40°	1263.6	1267.9	1302.0	1345.0	1315.1	1199.5	1075.4	1003.1	998.2	1028.5	1111.0
42.5°	1345.0	1355.3	1409.9	1459.2	1449.4	1340.1	1185.0	1086.0	1077.2	1093.4	1159.6
45°	1448.7	1458.5	1519.9	1583.3	1601.3	1499.1	1325.3	1203.7	1194.9	1191.0	1248.8
47.5°	1552.3	1562.5	1617.5	1709.2	1772.2	1697.9	1507.9	1359.1	1344.7	1329.5	1383.5
50°	1622.1	1634.1	1686.6	1796.6	1944.6	1946.0	1724.3	1562.9	1544.5	1520.6	1573.1
52.5°	1619.6	1627.4	1677.4	1804.3	2068.7	2231.2	2014.0	1822.3	1807.5	1755.3	1801.1
55°	1492.4	1504.0	1554.4	1713.0	2082.1	2501.5	2439.8	2128.2	2101.8	2008.4	2058.8
57.5°	1236.8	1246.7	1297.5	1493.1	1963.3	2640.0	2980.5	2518.1	2481.8	2284.0	2342.2
60°	933.7	921.7	945.7	1117.0	1679.2	2643.6	3457.8	3046.8	2986.2	2578.7	2627.3
62.5°	700.7	688.7	694.0	742.3	1138.5	2430.0	3729.9	3770.1	3670.0	2911.4	2901.9
65°	553.7	547.0	562.2	595.3	663.7	1850.5	3732.0	4552.2	4489.1	3297.1	3183.6
67.5°	451.2	446.9	462.4	523.8	538.2	994.3	3346.4	4917.4	4942.1	3719.3	3444.7
70°	363.4	357.1	381.4	462.1	500.5	601.7	2397.2	4731.3	4771.1	3971.0	3371.1
72.5°	251.0	251.3	263.7	374.3	483.2	519.5	1356.0	3939.6	4026.0	3742.9	2963.6
75°	169.2	170.6	174.1	247.1	445.2	504.0	722.6	2982.6	3043.6	3093.7	2449.7
77.5°	102.2	102.9	111.0	149.4	307.0	470.6	489.6	2162.1	2210.0	2039.4	1518.5
80°	59.2	61.7	69.1	100.1	207.3	353.5	378.9	1325.7	1379.9	906.6	482.5
82.5°	26.1	27.8	37.7	58.2	120.9	300.7	295.7	523.8	516.0	252.7	167.4
85°	4.6	5.6	8.1	18.3	44.4	158.6	229.5	231.2	217.5	95.9	69.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	34.5	62.0	61.7	27.1	24.0
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: P629892
 CATALOG NUMBER: GWS-SA1C-750-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6
2.5°	1072.9	1063.4	1071.9	1072.9	1071.2	1069.8	1059.2	1050.0	1049.0	1039.1	1039.1
5°	1076.8	1068.0	1072.2	1064.1	1051.4	1038.4	1015.8	1000.3	993.3	980.6	980.6
7.5°	1082.1	1072.9	1068.0	1047.9	1018.3	989.7	953.4	923.1	910.8	892.8	892.1
10°	1087.0	1075.4	1058.5	1019.4	972.1	926.7	873.8	830.8	801.5	780.0	780.0
12.5°	1086.7	1071.5	1038.0	980.2	915.0	849.1	778.6	713.8	675.0	641.5	639.4
15°	1086.0	1065.2	1012.0	934.8	848.4	757.1	661.2	576.6	519.2	486.4	483.6
17.5°	1085.3	1057.1	982.7	882.9	767.3	642.9	516.4	424.7	376.8	356.7	357.4
20°	1085.3	1047.9	951.3	823.4	673.9	506.2	378.9	312.3	300.3	301.4	302.4
22.5°	1082.1	1036.6	916.4	758.5	570.0	372.2	279.5	257.0	263.3	273.2	274.6
25°	1074.7	1017.9	875.9	686.6	446.2	271.1	228.1	223.8	235.5	247.8	251.3
27.5°	1063.1	996.4	830.4	602.4	328.5	217.8	200.6	200.2	209.4	218.5	221.7
30°	1050.7	972.5	782.5	508.6	237.9	189.6	182.9	182.9	187.5	193.2	192.5
32.5°	1036.3	948.2	731.0	411.0	193.9	173.8	171.7	170.6	171.3	173.4	173.4
35°	1023.9	926.7	678.2	307.7	173.8	165.0	162.8	160.4	159.3	157.9	158.6
37.5°	1019.4	909.7	623.5	231.9	163.9	158.6	155.1	151.6	149.1	148.4	148.0
40°	1026.8	902.7	568.9	191.0	156.9	151.9	148.0	143.5	141.3	141.3	141.3
42.5°	1055.7	908.0	513.2	172.7	151.9	146.3	140.6	136.4	135.7	136.4	136.8
45°	1108.5	928.4	455.4	163.5	147.7	140.6	133.9	130.8	130.8	131.5	131.5
47.5°	1203.0	982.0	398.3	157.9	143.5	136.1	129.0	125.8	125.5	126.2	126.2
50°	1366.5	1078.6	346.8	154.0	140.3	132.5	125.5	121.3	120.2	119.8	119.8
52.5°	1572.7	1246.0	314.1	151.2	136.4	128.7	121.6	116.0	113.8	112.8	112.8
55°	1821.9	1469.1	314.1	149.1	131.5	124.1	116.0	110.3	107.2	105.7	105.7
57.5°	2104.3	1728.9	368.3	147.3	127.6	118.8	110.0	104.3	100.8	98.7	98.7
60°	2391.5	2003.5	502.6	144.9	124.1	112.1	103.3	98.0	93.4	90.9	90.6
62.5°	2689.4	2305.9	679.6	146.3	121.6	105.7	96.2	90.2	86.4	83.9	83.5
65°	2962.2	2593.9	834.3	157.2	122.0	100.1	88.1	82.8	79.7	76.5	76.1
67.5°	3193.8	2752.8	725.7	179.4	129.4	93.4	80.0	74.7	71.9	69.8	69.4
70°	3031.6	2510.3	411.7	193.2	139.6	86.4	70.8	67.3	64.5	63.1	62.7
72.5°	2592.5	2125.4	275.3	170.6	127.2	77.2	62.4	59.6	57.5	55.7	55.3
75°	2100.0	1685.5	210.4	139.9	99.0	62.7	53.6	51.5	49.3	47.6	47.2
77.5°	1242.5	973.9	155.1	110.7	69.8	49.0	44.4	42.6	40.5	39.1	38.8
80°	396.5	338.4	98.3	76.1	46.2	37.7	34.2	32.8	30.7	28.9	28.6
82.5°	151.2	130.8	52.2	38.8	30.7	25.7	22.9	21.5	20.1	18.3	18.0
85°	67.0	62.7	28.9	20.8	16.6	12.7	11.3	10.6	8.8	7.4	7.0
87.5°	23.6	23.6	12.3	6.0	3.5	1.8	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)