

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: P631395

Luminaire Tested: GWS-SA1F-750-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-750-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6455.4 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

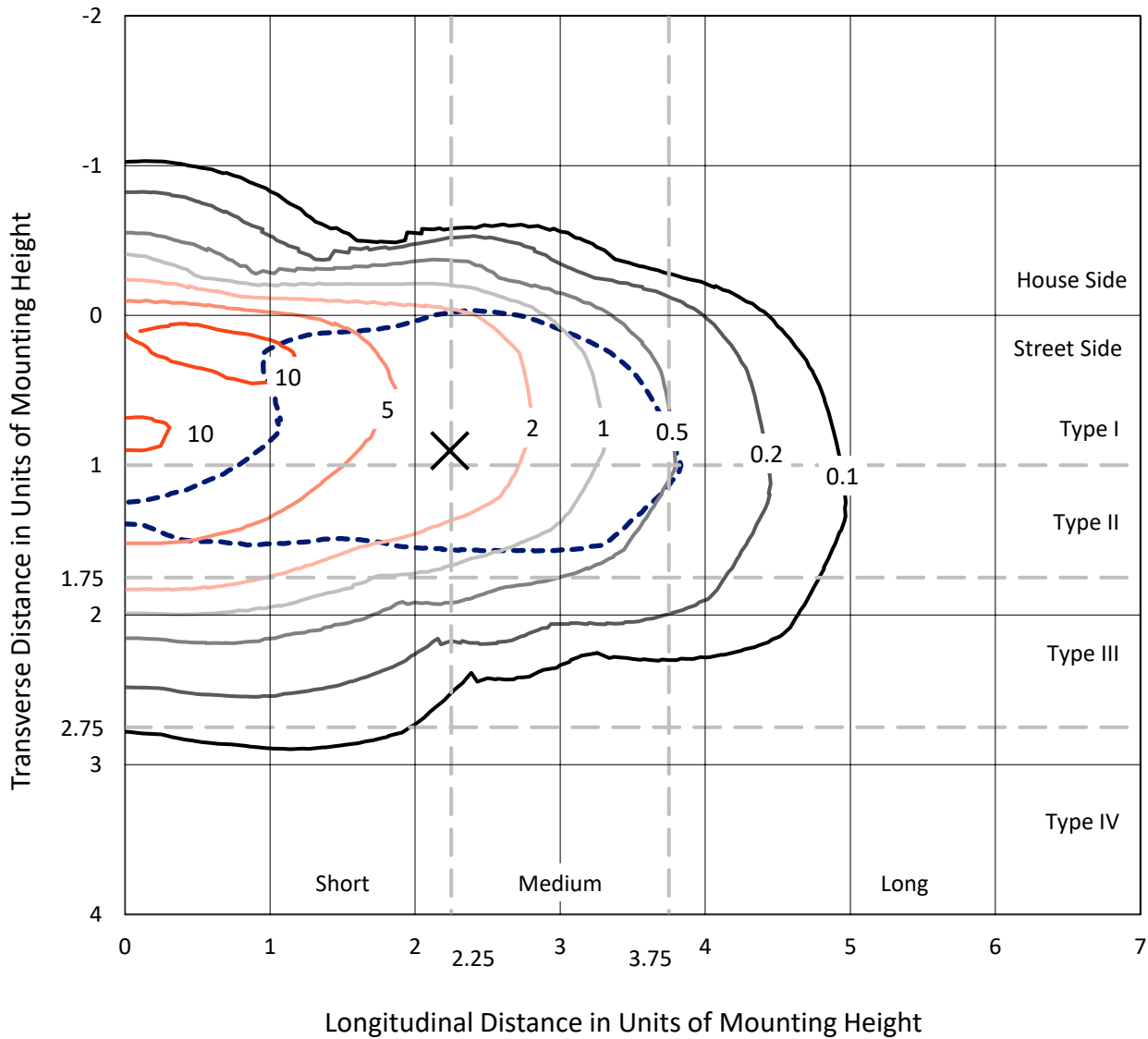
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

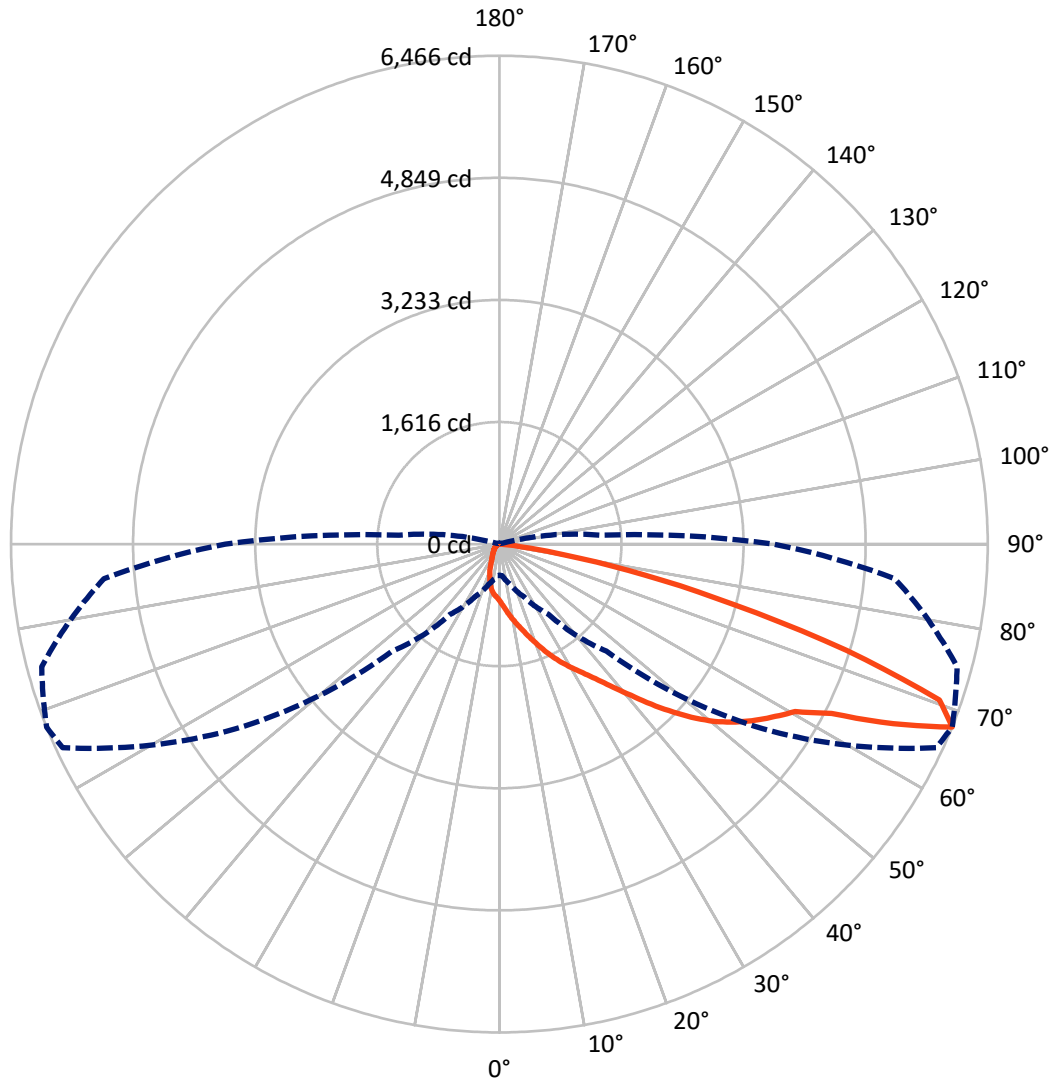
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	466.2	0.0	466.2
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	5989.2	0.0	5989.2
	% Fixture	92.8	0.0	92.8
Total	Lumens	6455.4	0.0	6455.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	1.1
10°-20°	210.4	3.3
20°-30°	361.6	5.6
30°-40°	628.7	9.7
40°-50°	1096.9	17.0
50°-60°	1654.5	25.6
60°-70°	1659.0	25.7
70°-80°	732.0	11.3
80°-90°	39.1	0.6
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°	6455.4	100.0
0°-180°	6455.4	100.0

Coefficient of Utilization



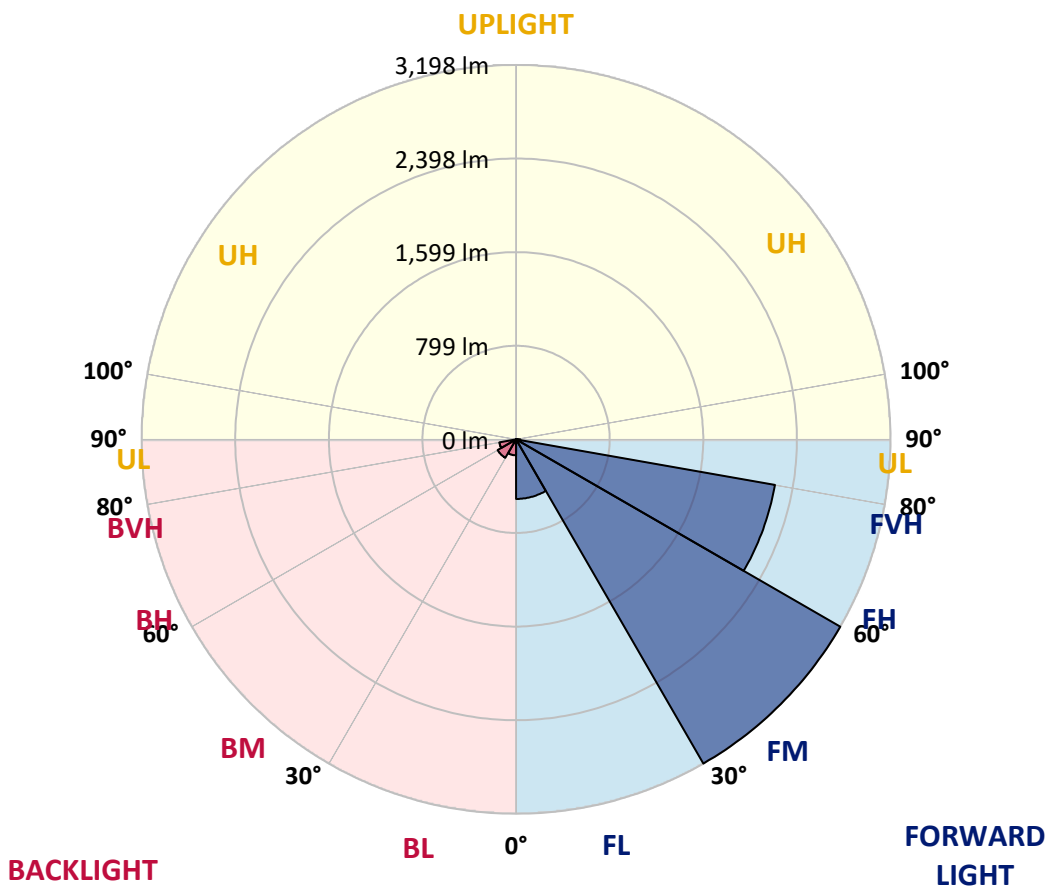
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	508.9	7.9			
FM (30°-60°)	3198.0	49.5			
FH (60°-80°)	2245.5	34.8			G2/5000
FVH (80°-90°)	36.9	0.6			G1/100
BL (0°-30°)	136.4	2.1	B1/500		
BM (30°-60°)	182.1	2.8	B0/220		
BH (60°-80°)	145.5	2.3	B1/500		G1/500
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	751.2	751.2	751.2	751.2	751.2	751.2	751.2	751.2	751.2	751.2	751.2
2.5°	874.8	880.4	874.8	876.0	860.0	852.6	836.5	814.3	808.7	794.5	772.9
5°	981.7	986.6	981.1	979.8	961.3	947.7	921.1	882.8	871.7	843.9	801.3
7.5°	1039.8	1042.8	1044.7	1047.8	1041.0	1029.9	1005.8	958.2	946.5	901.4	841.4
10°	1045.9	1048.4	1057.7	1076.2	1089.8	1096.6	1083.0	1039.1	1020.6	976.7	890.9
12.5°	1028.6	1032.3	1047.2	1078.1	1115.7	1150.3	1159.0	1120.7	1104.0	1047.8	948.9
15°	1005.8	1008.9	1029.3	1071.3	1128.1	1191.7	1227.6	1210.9	1192.4	1133.7	1013.2
17.5°	970.6	974.9	1003.3	1060.1	1133.7	1224.5	1301.7	1307.3	1294.3	1230.7	1084.2
20°	950.8	953.9	979.2	1037.9	1130.0	1248.6	1370.9	1423.4	1409.2	1342.5	1165.8
22.5°	967.5	969.9	986.6	1032.3	1117.6	1262.2	1435.1	1539.6	1531.5	1462.3	1251.7
25°	1055.2	1063.2	1053.3	1061.4	1123.2	1269.6	1487.0	1655.7	1657.6	1587.7	1340.6
27.5°	1233.1	1222.6	1199.1	1159.0	1166.4	1289.3	1531.5	1765.1	1781.1	1710.1	1419.7
30°	1414.1	1408.0	1393.8	1331.4	1279.5	1333.2	1569.2	1876.9	1902.2	1830.5	1490.1
32.5°	1617.4	1623.6	1598.2	1523.5	1435.1	1422.2	1608.1	1983.1	2030.7	1967.1	1572.9
35°	1860.2	1862.0	1812.0	1729.2	1629.1	1569.2	1677.9	2100.5	2188.2	2141.3	1683.5
37.5°	2096.8	2107.9	2080.7	1950.4	1861.4	1752.1	1793.5	2251.3	2374.8	2356.3	1822.5
40°	2306.2	2323.5	2314.9	2188.9	2072.1	1980.0	1972.6	2428.0	2600.3	2621.3	2006.0
42.5°	2473.1	2484.2	2491.0	2401.4	2298.2	2246.3	2193.8	2633.1	2866.6	2952.5	2230.9
45°	2649.1	2652.8	2667.0	2606.5	2516.3	2520.6	2455.1	2882.0	3147.1	3319.4	2489.1
47.5°	2873.4	2885.7	2878.9	2815.3	2733.8	2782.6	2725.1	3138.4	3423.8	3711.1	2753.5
50°	3146.5	3159.4	3153.2	3079.1	2988.3	3008.7	2972.9	3387.4	3690.7	4080.6	2973.5
52.5°	3287.3	3297.8	3374.4	3407.8	3360.2	3230.5	3184.1	3661.1	3916.2	4384.5	3175.5
55°	3219.4	3226.8	3393.6	3534.4	3708.7	3578.9	3396.7	3872.4	4115.2	4621.8	3325.6
57.5°	2937.6	2977.8	3204.5	3443.0	3809.4	3923.0	3741.4	4102.2	4306.7	4786.7	3473.3
60°	2360.0	2358.1	2683.1	3111.2	3612.9	4017.6	4228.2	4412.9	4498.8	4913.4	3671.0
62.5°	1304.2	1315.9	1748.4	2312.4	3066.8	3772.9	4593.3	4949.8	4936.8	5134.5	3980.5
65°	649.3	672.8	907.5	1324.6	2040.6	3118.0	4656.4	5769.0	5731.9	5655.3	4619.9
67.5°	412.1	421.3	551.1	769.8	1134.3	2004.1	4264.1	6380.0	6465.9	6273.1	5254.4
70°	266.9	282.3	383.0	526.4	684.5	1033.0	3123.6	5984.0	6181.1	6205.2	4859.0
72.5°	145.2	156.3	244.6	375.6	494.2	516.5	1754.6	4490.8	4807.7	5263.7	3801.3
75°	82.8	90.8	134.1	255.2	362.6	314.5	777.8	3006.2	3208.2	3761.8	2723.9
77.5°	50.0	56.8	75.4	124.2	227.4	210.1	294.1	1829.9	1958.4	2244.5	1429.6
80°	22.9	27.2	47.6	68.6	124.2	99.5	112.4	853.2	881.0	921.1	473.2
82.5°	10.5	12.4	21.6	40.8	70.4	57.5	43.2	197.1	277.4	262.6	120.5
85°	1.2	1.2	8.0	16.7	19.8	14.8	17.9	44.5	56.2	79.1	34.6
87.5°	0.0	0.0	0.6	0.6	1.2	1.9	3.7	5.6	8.0	13.0	8.6
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°	751.2	751.2	751.2	751.2	751.2	751.2	751.2	751.2	751.2	751.2	751.2
2.5°	763.0	745.7	730.2	707.4	691.9	674.6	662.9	648.7	643.1	638.8	632.6
5°	780.3	752.5	714.8	672.8	638.2	605.4	575.2	555.4	538.1	535.6	527.0
7.5°	808.7	767.3	703.7	635.1	576.4	522.0	479.4	444.8	427.5	422.0	412.1
10°	846.4	789.5	687.0	582.0	497.3	432.5	384.3	345.4	318.2	308.3	300.9
12.5°	888.4	809.9	660.4	516.5	420.1	346.0	284.8	243.4	226.1	219.9	214.4
15°	936.6	829.1	618.4	451.0	344.7	254.5	211.3	193.4	186.0	184.1	182.3
17.5°	982.9	841.4	568.4	383.0	265.0	197.7	177.3	170.5	168.7	166.8	165.6
20°	1035.4	850.1	509.7	318.8	205.7	167.4	157.5	152.6	148.9	145.2	144.6
22.5°	1089.2	850.1	446.1	255.8	172.4	150.1	139.0	129.7	122.9	119.2	118.0
25°	1140.5	838.4	383.0	204.5	152.0	133.4	119.2	108.7	99.5	95.1	93.9
27.5°	1176.9	808.1	328.1	173.0	137.8	118.6	101.3	89.6	82.2	77.8	77.2
30°	1199.8	763.0	277.4	154.4	125.4	103.2	85.9	76.0	70.4	67.3	66.1
32.5°	1217.1	707.4	232.3	141.5	113.7	89.6	74.8	66.7	61.8	59.3	58.7
35°	1251.7	654.9	198.9	129.7	101.3	78.5	65.5	59.3	55.6	52.5	51.9
37.5°	1299.9	611.0	172.4	119.2	89.6	69.8	59.3	53.7	50.7	47.6	47.0
40°	1370.9	583.2	152.6	108.7	79.1	63.0	54.4	49.4	45.1	42.0	41.4
42.5°	1480.2	570.2	139.6	98.2	69.8	56.8	50.0	43.9	39.5	36.5	35.8
45°	1610.6	577.0	128.5	87.7	63.6	52.5	44.5	38.3	34.0	30.9	30.3
47.5°	1750.2	601.1	119.2	77.8	57.5	48.2	39.5	32.7	29.0	25.9	25.3
50°	1896.0	640.7	111.2	68.6	52.5	43.2	34.0	28.4	24.7	22.2	21.6
52.5°	2022.7	694.4	103.2	61.8	48.2	38.3	29.7	24.7	21.0	18.5	17.9
55°	2143.8	745.1	97.0	55.6	43.2	33.4	25.9	21.0	17.9	15.4	14.8
57.5°	2275.4	798.8	89.6	50.0	38.9	29.7	22.9	17.9	15.4	13.0	12.4
60°	2466.9	878.5	78.5	45.7	34.0	25.9	19.8	16.1	13.6	10.5	9.9
62.5°	2743.0	1023.7	66.1	39.5	29.0	22.2	16.7	13.6	11.1	8.6	7.4
65°	3259.5	1270.8	54.4	32.7	23.5	18.5	14.2	11.1	8.6	6.2	5.6
67.5°	3631.4	1335.1	43.9	26.6	19.2	14.2	11.7	8.6	6.2	4.3	3.7
70°	3174.9	958.8	34.0	21.6	16.1	11.1	9.3	6.8	4.3	3.1	2.5
72.5°	2392.1	626.4	25.3	16.7	12.4	9.3	6.8	5.6	3.7	2.5	1.9
75°	1686.0	362.0	18.5	12.4	8.6	6.8	5.6	4.3	3.1	1.9	1.9
77.5°	864.3	149.5	13.0	8.6	6.2	4.3	3.7	2.5	2.5	1.9	1.2
80°	262.6	49.4	7.4	5.6	4.3	3.1	1.9	1.9	1.9	1.2	0.6
82.5°	59.9	16.1	4.3	4.3	3.1	2.5	1.9	0.6	0.6	0.0	0.0
85°	15.4	4.9	3.7	3.1	3.1	2.5	1.2	0.6	0.0	0.0	0.0
87.5°	5.6	3.1	3.1	3.1	2.5	1.9	1.2	0.0	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)