

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: P631132

Luminaire Tested: GWS-SA1F-722-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4858 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

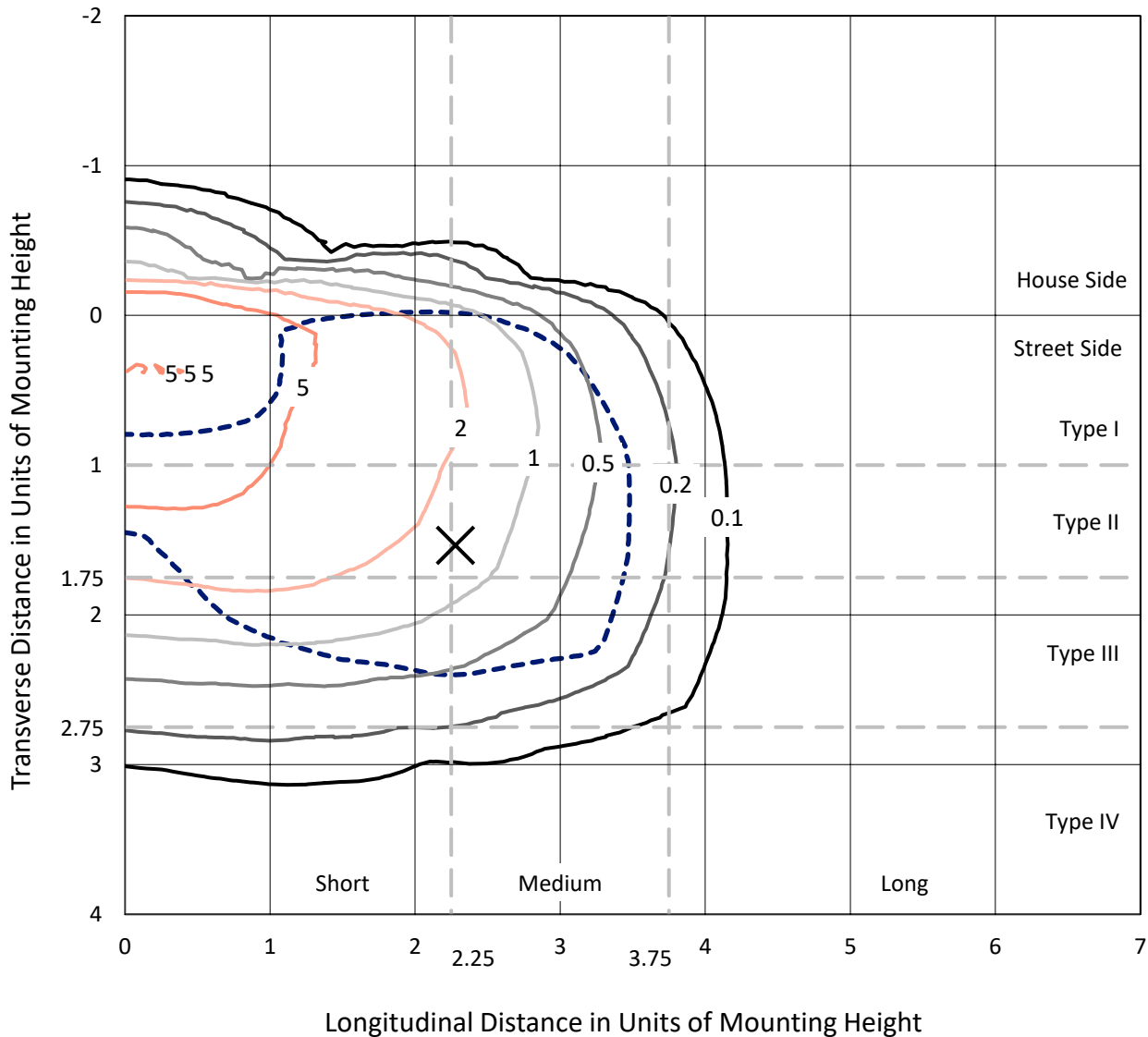
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

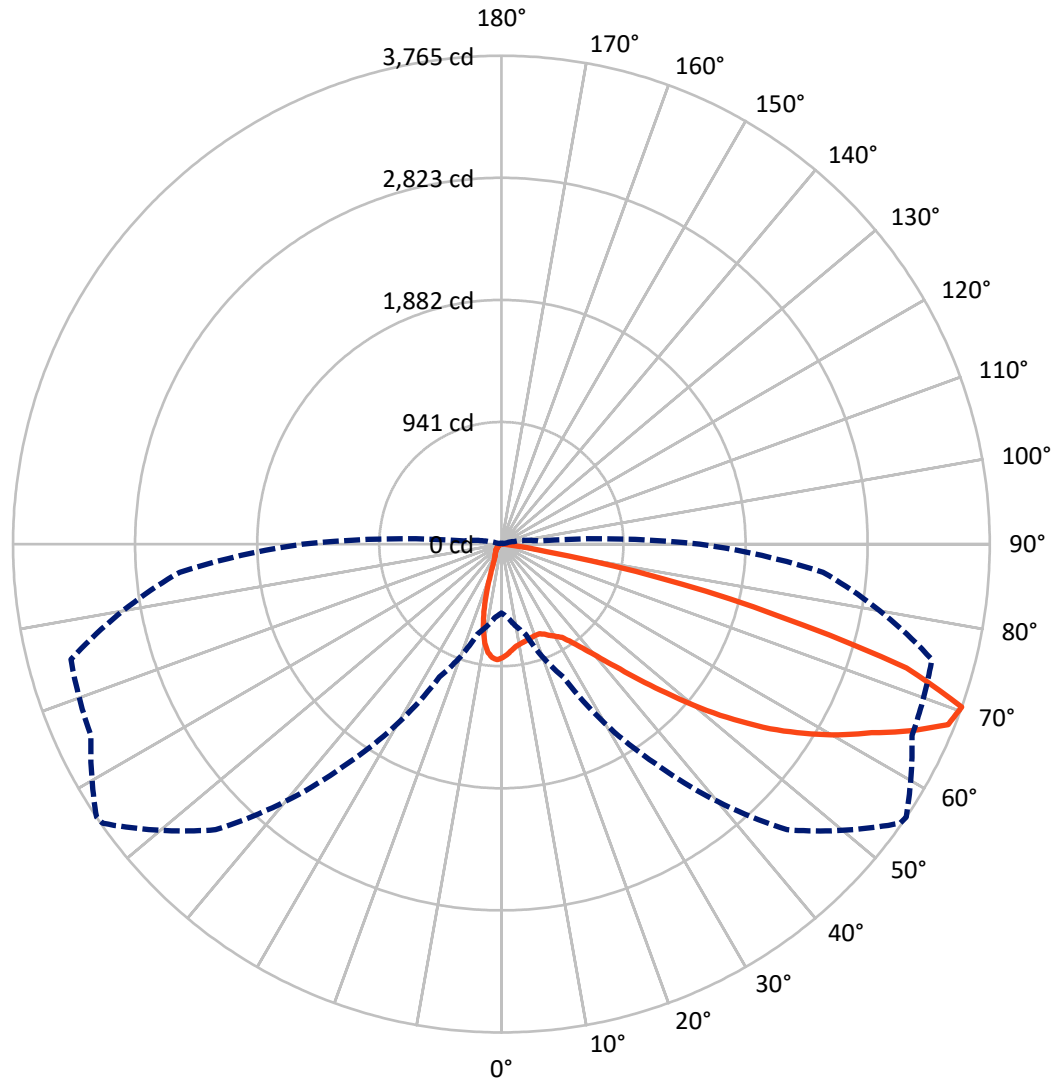
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	436.3	0.0	436.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4421.7	0.0	4421.7
	% Fixture	91.0	0.0	91.0
Total	Lumens	4858.0	0.0	4858.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	1.5
10°-20°	169.1	3.5
20°-30°	267.9	5.5
30°-40°	462.1	9.5
40°-50°	780.2	16.1
50°-60°	1146.4	23.6
60°-70°	1359.2	28.0
70°-80°	579.6	11.9
80°-90°	18.2	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°	4858.0	100.0
0°-180°	4858.0	100.0

Coefficient of Utilization



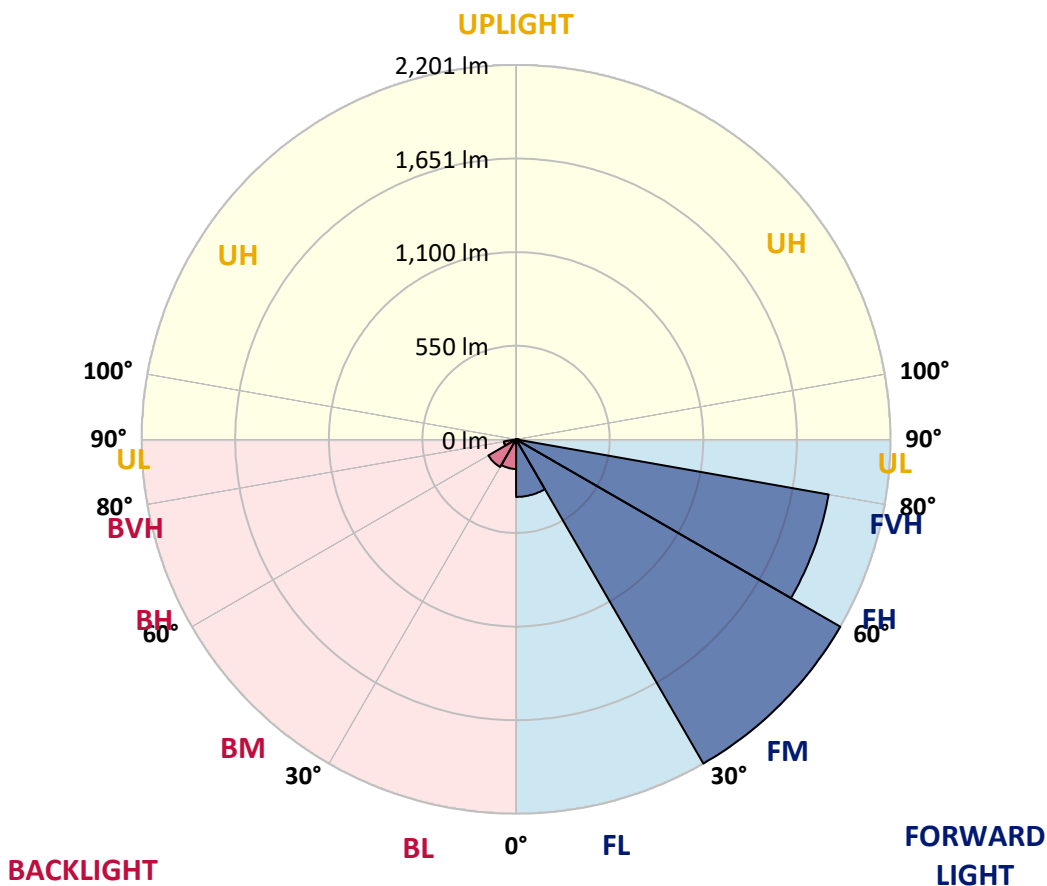
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.5	7.0			
FM (30°-60°)	2200.8	45.3			
FH (60°-80°)	1866.0	38.4			G2/5000
FVH (80°-90°)	16.4	0.3			G1/100
BL (0°-30°)	173.8	3.6	B1/500		
BM (30°-60°)	187.9	3.9	B0/220		
BH (60°-80°)	72.8	1.5	B0/110		G0/110
BVH (80°-90°)	1.8	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	875.9	875.9	875.9	875.9	875.9	875.9	875.9	875.9	875.9	875.9	875.9
2.5°	815.4	814.1	815.0	821.7	834.1	839.9	849.7	851.5	859.5	869.7	873.7
5°	762.5	758.1	760.3	769.6	783.9	799.9	818.1	823.0	843.0	865.7	882.6
7.5°	714.0	709.1	714.5	729.1	749.2	766.5	793.6	796.8	828.8	868.8	899.5
10°	637.9	639.3	650.0	675.8	706.5	742.5	779.0	783.4	823.0	879.1	926.7
12.5°	579.7	576.5	588.1	617.5	660.6	713.1	767.8	773.6	823.5	894.6	961.4
15°	552.5	551.6	556.5	577.9	619.7	681.5	757.6	765.2	829.2	908.9	994.3
17.5°	553.4	552.1	551.6	564.1	595.2	658.0	746.5	756.3	834.1	924.4	1029.0
20°	592.1	585.9	574.8	569.0	587.7	642.8	738.9	750.0	841.2	940.9	1065.9
22.5°	673.1	675.3	645.5	614.4	605.5	644.6	738.0	750.9	856.8	966.7	1111.3
25°	835.0	831.5	776.3	706.5	658.0	665.1	753.6	769.2	887.5	1003.6	1154.0
27.5°	1037.9	1041.0	965.4	854.1	752.7	707.3	782.1	797.6	923.1	1026.8	1182.5
30°	1259.0	1255.9	1174.9	1051.7	887.1	777.6	810.6	824.3	940.9	1039.2	1211.8
32.5°	1468.1	1460.9	1380.9	1251.9	1058.3	888.4	849.7	857.7	964.5	1066.4	1251.4
35°	1646.5	1646.0	1576.2	1438.7	1234.5	1027.2	916.9	923.5	1008.5	1109.5	1309.7
37.5°	1830.6	1824.4	1746.1	1620.7	1415.6	1179.3	1019.6	1017.0	1077.9	1173.1	1381.3
40°	1981.9	1977.9	1917.8	1797.3	1603.8	1347.5	1144.2	1136.2	1160.2	1261.2	1481.0
42.5°	2094.0	2094.4	2075.8	2002.4	1803.1	1541.9	1300.8	1288.3	1287.9	1394.2	1612.6
45°	2179.0	2184.7	2212.8	2201.7	2038.4	1768.4	1501.4	1488.5	1466.7	1566.8	1763.5
47.5°	2218.6	2226.1	2310.6	2355.1	2244.4	1993.0	1740.3	1713.2	1670.5	1796.4	1932.1
50°	2214.6	2227.9	2345.8	2481.0	2431.2	2220.8	2000.6	1987.7	1917.8	2039.3	2098.9
52.5°	2123.8	2152.3	2348.0	2557.5	2574.9	2430.8	2269.7	2245.7	2211.9	2292.9	2255.5
55°	1877.3	1912.0	2254.1	2582.0	2687.0	2614.0	2533.1	2513.5	2457.5	2532.2	2392.1
57.5°	1743.4	1773.2	2056.6	2570.0	2782.2	2783.5	2767.5	2751.5	2705.2	2768.9	2552.2
60°	1662.9	1692.7	1951.2	2526.0	2868.5	2962.4	2987.7	2986.0	2919.2	3038.0	2739.9
62.5°	1545.0	1586.0	1841.3	2411.6	2929.9	3138.5	3215.1	3203.1	3128.8	3318.3	2925.9
65°	1307.0	1342.6	1616.2	2223.0	2893.9	3284.5	3461.5	3467.8	3381.9	3582.1	3072.7
67.5°	916.4	942.7	1214.5	1827.1	2649.2	3332.5	3713.8	3713.3	3567.0	3717.3	3007.8
70°	531.2	567.2	717.6	1129.5	2061.1	3114.1	3751.6	3764.5	3491.8	3434.8	2489.0
72.5°	205.5	235.3	406.6	600.1	1074.8	2385.4	3227.1	3264.9	2922.3	2649.6	1732.3
75°	61.4	68.5	191.3	319.4	431.5	1152.2	2184.7	2195.4	2004.6	1652.7	888.0
77.5°	45.8	50.7	83.6	161.5	151.3	349.2	1130.4	1234.5	1064.1	590.3	244.7
80°	31.1	36.9	59.6	78.7	56.1	93.0	317.6	348.8	324.8	132.6	61.4
82.5°	13.8	17.8	42.3	39.6	20.5	26.7	97.9	104.1	67.2	40.0	21.4
85°	1.3	1.8	16.0	17.3	7.6	6.2	20.5	20.5	14.7	13.8	8.9
87.5°	0.0	0.0	0.4	0.9	0.9	1.3	1.8	2.2	2.7	3.6	4.4
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°	875.9	875.9	875.9	875.9	875.9	875.9	875.9	875.9	875.9	875.9	875.9
2.5°	884.0	878.6	885.3	890.6	892.0	882.2	876.4	867.9	866.2	866.6	864.4
5°	896.0	893.3	898.2	892.4	877.3	848.8	824.3	797.2	782.5	774.1	773.2
7.5°	918.2	916.9	911.5	885.3	838.1	775.0	714.0	654.4	617.5	604.1	601.9
10°	951.1	948.5	926.7	864.4	763.8	642.4	540.1	454.7	402.6	387.5	368.8
12.5°	988.9	983.6	936.0	819.4	651.7	483.6	355.9	260.2	215.3	202.0	202.0
15°	1025.4	1013.9	930.7	745.2	513.8	314.5	198.9	150.4	136.6	133.0	133.0
17.5°	1062.8	1040.5	909.8	643.7	355.0	186.0	132.6	123.2	121.4	121.9	122.3
20°	1097.9	1063.2	872.8	521.8	226.4	129.9	118.8	116.6	115.7	116.6	116.1
22.5°	1136.2	1084.1	816.8	388.8	147.3	117.0	113.0	111.2	110.3	111.7	111.7
25°	1174.0	1099.3	742.5	261.6	117.0	109.0	106.8	105.0	104.1	104.5	104.5
27.5°	1193.6	1093.5	645.1	166.8	105.0	101.0	98.8	96.5	95.2	94.8	95.2
30°	1206.9	1075.7	525.8	118.8	95.2	90.3	88.1	86.3	82.7	80.5	81.4
32.5°	1227.8	1057.9	396.4	99.7	87.2	79.6	76.1	71.6	66.7	64.5	64.5
35°	1252.7	1033.4	278.0	89.9	78.7	70.7	64.1	56.5	50.7	48.9	48.9
37.5°	1285.7	1010.3	185.1	83.2	71.6	63.2	53.8	44.9	38.7	37.8	37.4
40°	1335.1	990.7	130.3	78.3	65.4	55.2	44.0	34.7	30.3	28.9	28.9
42.5°	1399.1	970.7	103.2	73.4	60.1	47.6	35.1	27.6	24.0	23.1	22.7
45°	1478.3	947.1	89.9	69.0	54.7	39.6	28.0	23.1	20.5	19.6	19.6
47.5°	1564.2	915.1	83.6	63.2	48.5	32.0	23.6	20.0	18.7	18.2	17.8
50°	1648.7	871.9	78.3	57.8	41.4	26.2	20.5	18.2	17.3	16.9	16.9
52.5°	1722.5	821.7	71.6	51.6	33.8	22.7	18.2	16.9	16.0	15.1	14.7
55°	1785.7	767.0	63.2	44.5	27.6	20.0	16.9	15.6	14.7	13.8	13.3
57.5°	1867.1	735.8	50.7	36.0	22.7	17.8	15.6	14.2	13.3	12.0	12.0
60°	1957.4	713.1	37.8	28.5	19.6	16.5	14.2	12.9	12.0	10.7	10.7
62.5°	2029.9	679.3	29.8	23.1	16.9	14.7	12.9	11.6	10.7	9.3	9.3
65°	2057.5	609.5	24.5	18.2	13.8	12.9	11.6	10.7	9.3	8.0	8.0
67.5°	1933.0	469.8	20.5	14.7	11.6	11.1	10.2	9.8	8.0	7.1	6.7
70°	1530.8	286.5	16.9	12.0	9.8	9.3	9.3	8.5	7.1	6.7	6.2
72.5°	1049.0	147.7	13.8	9.8	8.5	8.5	8.0	7.6	6.7	6.2	6.2
75°	545.0	49.4	10.7	7.6	6.7	7.1	7.1	6.7	6.2	6.2	5.8
77.5°	156.1	22.2	8.0	5.8	5.3	5.3	5.8	5.8	5.8	5.3	5.3
80°	40.5	12.9	5.8	4.4	4.4	4.4	4.4	4.9	5.3	4.9	4.9
82.5°	16.5	7.1	4.0	3.6	3.6	3.6	3.6	4.0	4.4	4.4	4.4
85°	10.2	3.6	3.1	3.1	3.1	2.7	2.7	3.1	3.1	3.6	3.6
87.5°	6.2	2.7	2.7	2.7	2.7	2.2	2.2	2.2	2.2	2.2	2.2
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)