

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: P630117

Luminaire Tested: GWS-SA1D-722-U-SL4-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630117  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-722-U-SL4-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

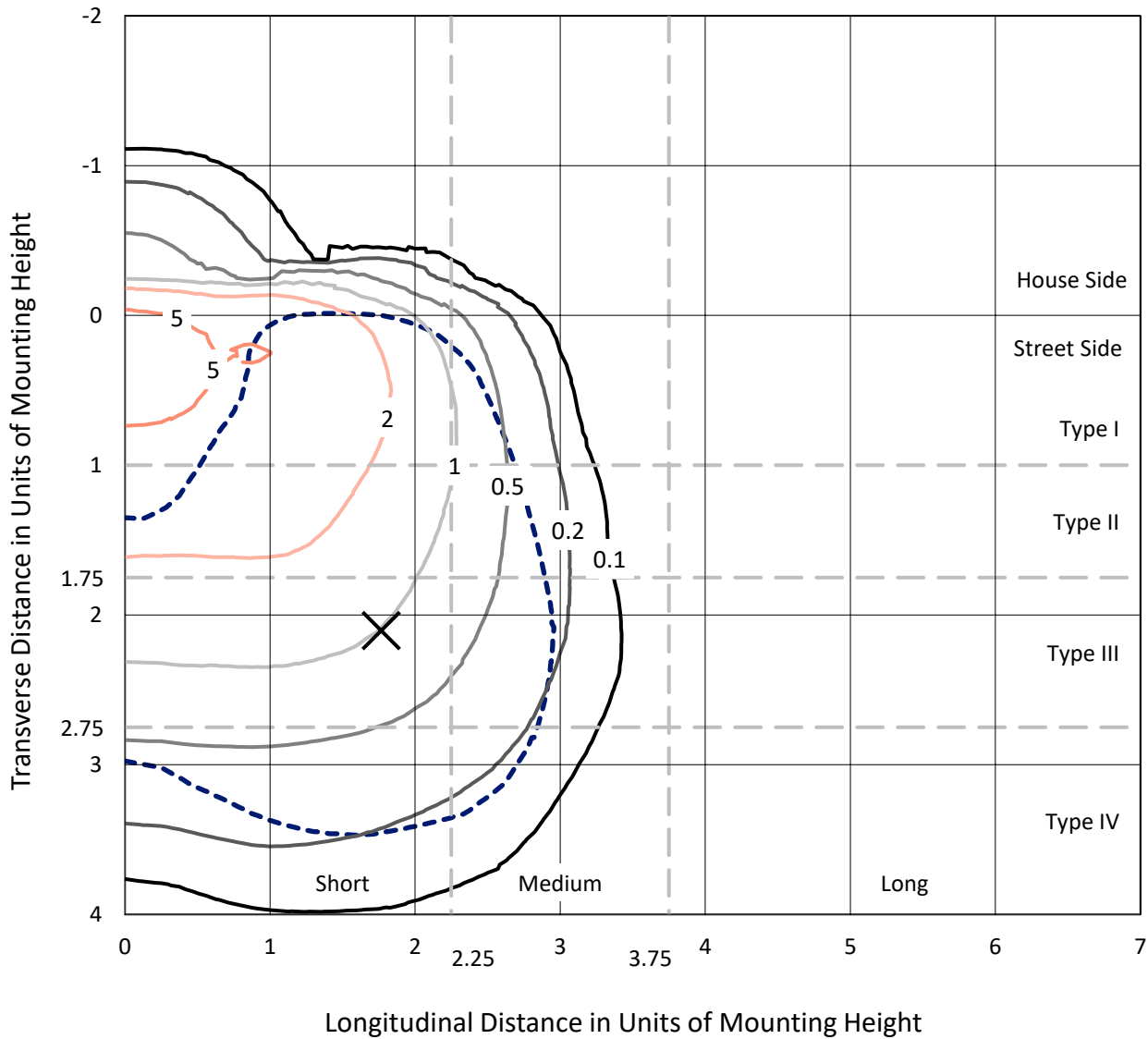
Lumens per Lamp: N/A  
Luminaire Lumens: 3519.3 lumens  
Efficiency: N/A  
Efficacy: 79.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

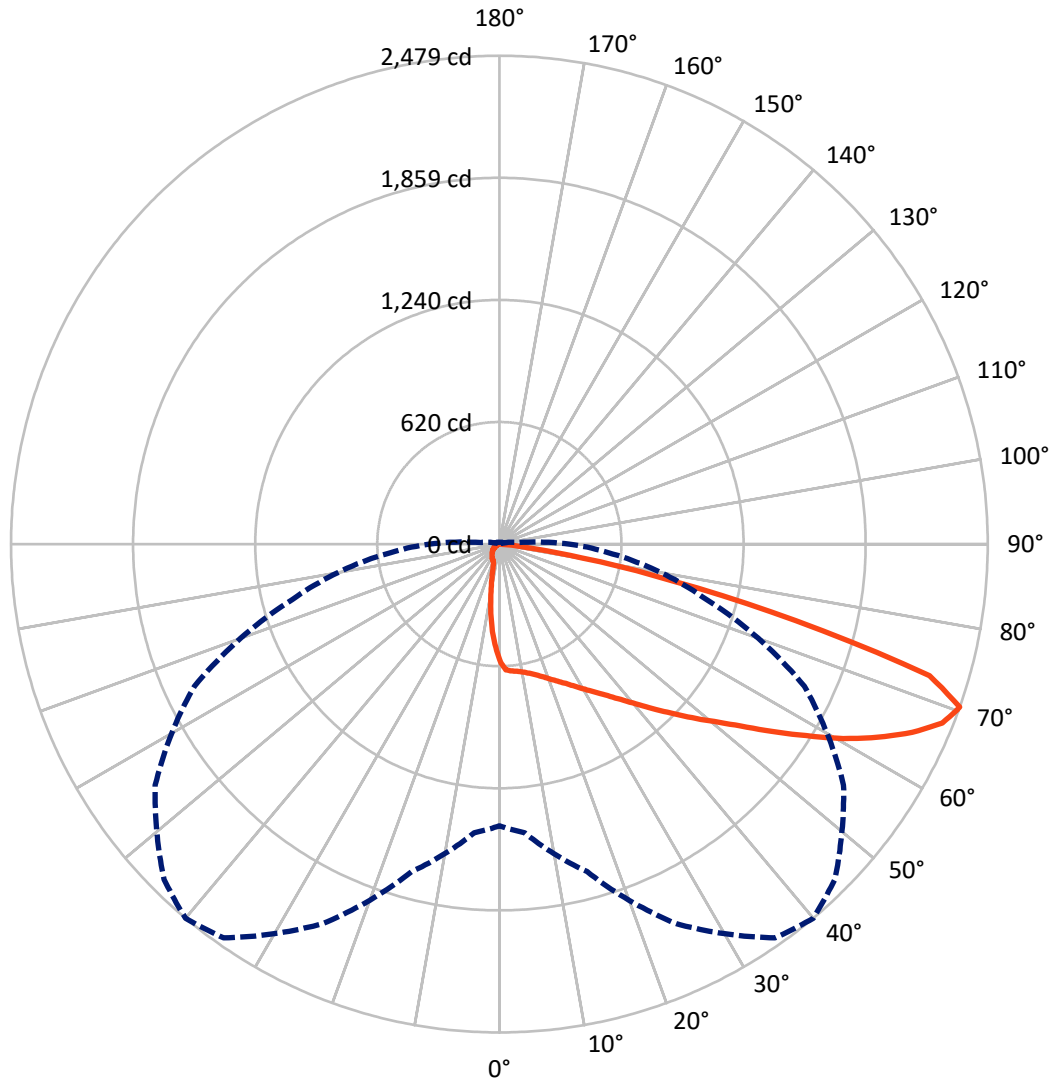
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	287.8	0.0	287.8
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	3231.5	0.0	3231.5
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	3519.3	0.0	3519.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.5	1.4
10°-20°	128.0	3.6
20°-30°	214.3	6.1
30°-40°	336.5	9.6
40°-50°	532.3	15.1
50°-60°	776.5	22.1
60°-70°	962.5	27.4
70°-80°	487.0	13.8
80°-90°	31.8	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°	3519.3	100.0
0°-180°	3519.3	100.0

**Coefficient of Utilization**

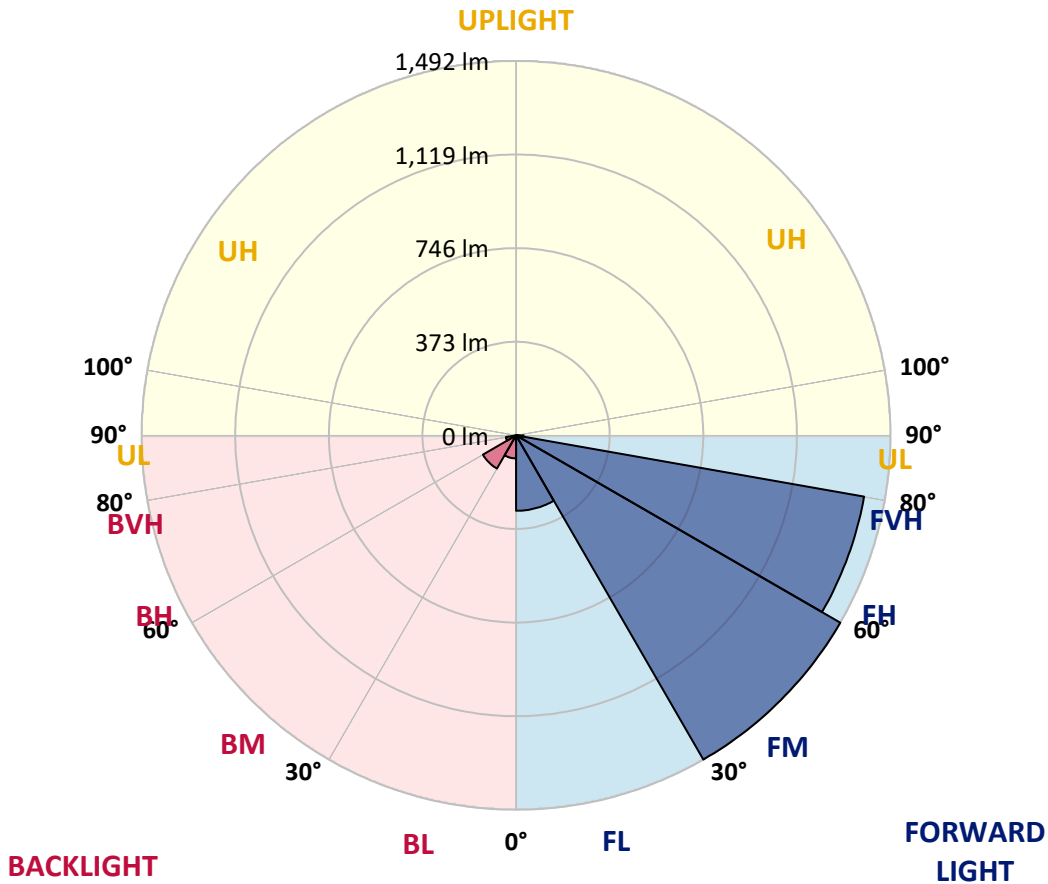


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	300.8	8.5			
FM (30°-60°)	1492.5	42.4			
FH (60°-80°)	1408.5	40.0			G1/1800
FVH (80°-90°)	29.7	0.8			G1/100
BL (0°-30°)	91.9	2.6	B0/110		
BM (30°-60°)	152.8	4.3	B0/220		
BH (60°-80°)	41.0	1.2	B0/110		G0/110
BVH (80°-90°)	2.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2
2.5°	642.0	644.3	643.9	644.9	642.7	639.1	638.5	633.7	625.0	614.2	602.0
5°	655.1	657.7	655.8	654.8	650.7	646.8	645.9	640.7	630.8	616.1	594.9
7.5°	666.3	667.0	665.7	663.5	657.4	652.3	648.7	641.7	629.8	615.1	590.8
10°	668.3	667.9	668.6	668.9	665.1	660.6	657.7	648.1	633.0	617.4	591.1
12.5°	666.0	666.0	670.2	675.0	675.0	672.8	669.9	661.2	643.6	625.0	597.5
15°	668.9	669.9	677.9	686.8	689.7	687.5	686.2	677.2	659.0	638.5	609.0
17.5°	679.2	680.1	692.9	706.4	709.9	707.3	704.8	695.8	676.3	653.9	622.2
20°	694.2	696.8	713.1	730.4	733.6	730.4	725.3	712.8	693.2	670.5	634.6
22.5°	721.7	723.3	741.0	759.2	760.8	755.7	748.0	730.7	710.2	688.1	648.7
25°	758.2	760.5	778.1	795.7	791.5	783.9	773.3	753.8	730.4	708.9	666.7
27.5°	801.8	804.4	821.6	837.0	826.1	817.2	805.3	781.0	757.3	737.8	689.7
30°	848.9	851.1	866.5	880.2	865.8	855.3	841.2	816.2	792.2	777.5	722.4
32.5°	894.3	894.0	908.7	920.0	905.2	896.9	884.1	858.8	839.6	833.2	771.1
35°	936.6	936.6	948.8	960.0	949.4	944.9	933.1	912.9	902.0	909.7	836.1
37.5°	979.2	976.9	988.5	1001.0	1000.0	1000.3	993.6	984.0	984.6	1011.8	925.4
40°	1014.4	1013.5	1026.9	1043.2	1056.0	1066.3	1062.1	1065.6	1085.8	1136.7	1039.7
42.5°	1042.6	1044.8	1062.1	1088.1	1120.4	1141.2	1144.1	1158.5	1210.4	1289.1	1168.7
45°	1074.9	1075.2	1099.3	1139.0	1190.5	1223.5	1235.0	1272.2	1345.8	1447.3	1310.3
47.5°	1114.6	1110.8	1137.7	1193.4	1268.0	1316.7	1337.2	1383.6	1497.6	1601.7	1425.6
50°	1158.5	1151.5	1181.9	1257.8	1354.8	1415.6	1457.3	1525.1	1648.1	1728.5	1511.4
52.5°	1209.4	1202.7	1237.3	1331.7	1458.9	1532.8	1586.3	1654.8	1777.1	1825.2	1562.6
55°	1274.1	1267.4	1303.9	1420.4	1581.8	1677.9	1733.9	1791.5	1897.2	1896.6	1599.7
57.5°	1345.8	1336.5	1387.1	1532.5	1735.2	1835.1	1892.1	1920.3	1988.5	1952.0	1624.7
60°	1428.1	1419.8	1489.9	1666.0	1912.3	2004.8	2040.7	2029.1	2063.4	1984.6	1616.1
62.5°	1502.4	1498.6	1585.7	1807.6	2081.0	2159.1	2169.1	2118.8	2118.5	1985.3	1557.8
65°	1579.6	1586.9	1716.3	1970.5	2250.7	2303.2	2286.3	2207.8	2140.6	1906.8	1385.5
67.5°	1608.4	1629.8	1802.4	2117.8	2384.6	2425.6	2395.8	2252.3	2048.7	1643.0	1055.1
70°	1430.4	1470.7	1721.1	2126.2	2440.0	2479.0	2407.6	2132.6	1708.0	1088.4	578.0
72.5°	1087.7	1134.8	1434.2	1741.0	2194.4	2283.4	2161.4	1737.4	1100.9	476.8	194.0
75°	608.7	659.6	1068.2	1310.9	1473.3	1554.6	1509.8	1114.6	487.7	124.6	58.0
77.5°	205.9	222.9	497.0	811.1	972.5	899.5	761.4	553.6	179.3	47.4	30.7
80°	122.0	128.4	185.1	403.8	511.7	424.3	334.9	204.6	91.3	25.3	21.5
82.5°	36.5	43.2	102.1	149.9	200.4	124.9	105.7	116.9	47.4	13.8	17.9
85°	0.0	0.0	21.8	46.4	52.5	20.5	20.5	66.3	8.6	5.8	13.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.6	1.0	1.3	2.9
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°	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2
2.5°	593.3	582.1	569.0	556.5	544.7	529.3	521.9	513.0	505.3	501.1	503.4
5°	581.5	563.9	537.0	509.8	482.2	456.3	432.9	417.2	403.1	395.8	397.4
7.5°	571.2	547.6	505.6	461.1	416.9	372.4	336.2	308.0	286.3	277.3	275.7
10°	566.8	537.0	477.7	413.7	345.8	285.9	234.7	203.7	181.6	170.7	172.6
12.5°	569.0	531.5	454.1	367.3	279.2	209.4	160.4	131.3	115.6	109.2	107.6
15°	575.4	530.3	432.9	319.9	215.5	146.3	110.8	98.9	95.7	95.1	95.1
17.5°	582.8	530.6	411.1	271.9	163.6	108.5	94.8	92.5	91.6	90.9	91.3
20°	590.1	530.6	386.2	223.2	123.0	93.8	90.3	88.7	87.7	87.4	87.4
22.5°	599.1	530.6	358.3	178.0	98.6	89.0	86.1	85.2	84.2	83.9	83.6
25°	610.0	530.9	327.6	139.3	89.7	84.9	82.6	81.7	80.7	80.1	80.1
27.5°	625.7	533.5	293.6	108.5	84.5	81.0	79.1	78.1	77.2	76.2	76.2
30°	648.4	539.9	255.5	89.7	79.7	76.8	74.9	74.3	73.3	72.4	72.0
32.5°	682.4	551.1	216.1	80.4	75.2	72.4	70.1	69.5	68.5	67.6	67.2
35°	729.7	571.6	177.7	74.6	69.5	66.6	65.3	65.0	63.7	62.8	62.8
37.5°	799.2	604.9	140.9	68.8	64.7	62.4	60.8	60.2	58.9	58.0	57.6
40°	884.1	648.1	109.5	64.4	60.2	58.0	56.4	55.4	53.8	52.5	51.9
42.5°	992.3	700.9	86.5	59.6	56.0	53.8	52.5	50.6	48.4	46.4	46.1
45°	1105.0	755.4	71.4	55.1	52.2	50.3	48.7	46.1	42.9	40.7	40.0
47.5°	1191.5	789.3	62.4	50.3	48.0	46.4	44.5	41.3	37.5	34.9	34.3
50°	1253.3	794.4	55.7	45.8	44.5	42.9	40.0	36.2	32.0	29.5	28.8
52.5°	1283.7	771.4	50.3	41.6	40.7	39.1	35.5	31.4	26.9	24.3	23.7
55°	1297.5	727.8	45.1	38.1	36.8	34.9	31.1	26.6	22.1	19.9	19.2
57.5°	1292.0	663.5	40.7	34.6	33.0	30.7	26.6	21.8	18.3	16.0	15.7
60°	1251.7	573.2	36.2	31.1	29.1	26.6	22.4	17.9	14.7	13.1	12.8
62.5°	1164.6	461.1	31.7	26.9	25.6	23.1	19.2	14.7	12.2	11.2	10.9
65°	986.2	326.0	27.2	22.7	22.1	19.5	16.0	12.2	10.6	9.9	9.6
67.5°	708.9	198.2	23.1	19.5	18.9	16.7	13.4	10.6	9.6	9.3	9.3
70°	356.4	93.8	18.3	16.0	16.0	13.8	11.5	9.6	9.3	9.0	9.0
72.5°	121.0	40.0	13.8	12.5	13.1	11.8	9.9	9.0	9.0	9.0	9.0
75°	41.3	21.1	9.6	9.0	9.6	9.6	8.6	8.6	9.0	9.0	9.0
77.5°	26.9	14.1	6.7	6.1	7.4	7.4	7.4	8.0	8.6	8.6	8.6
80°	22.1	7.7	4.5	4.2	5.4	5.4	6.1	7.4	8.0	8.0	8.0
82.5°	18.9	4.8	2.6	2.9	3.8	4.2	5.1	6.1	7.0	7.4	7.4
85°	12.8	2.6	1.9	2.2	2.6	3.2	4.2	5.1	5.8	6.4	6.4
87.5°	3.5	1.0	1.3	1.6	1.6	2.2	3.2	3.8	4.5	4.8	4.8
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)