

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: P629910

Luminaire Tested: GWS-SA1C-750-U-T2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629910  
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-SA1C-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: 3682.9 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G1

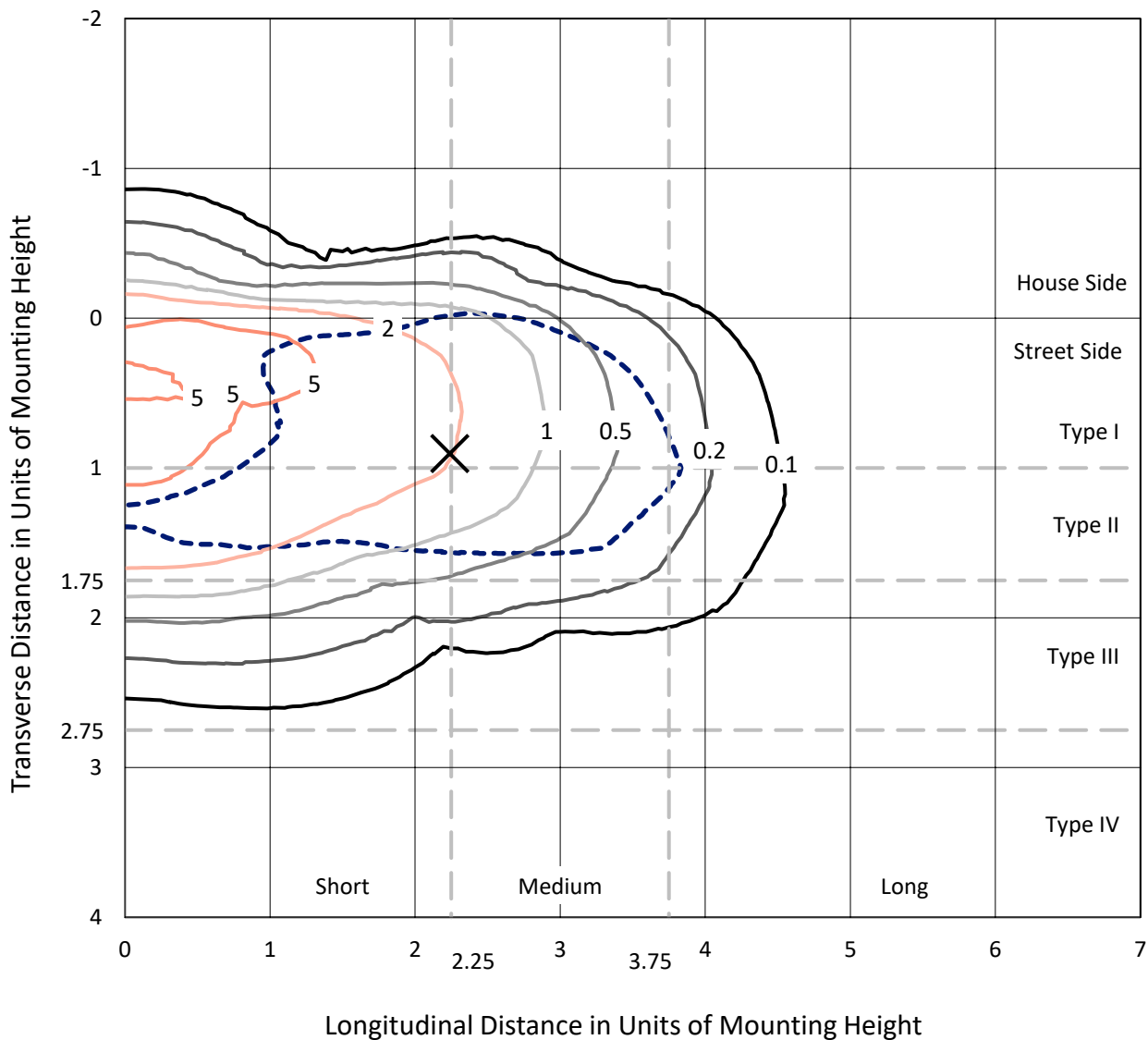
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

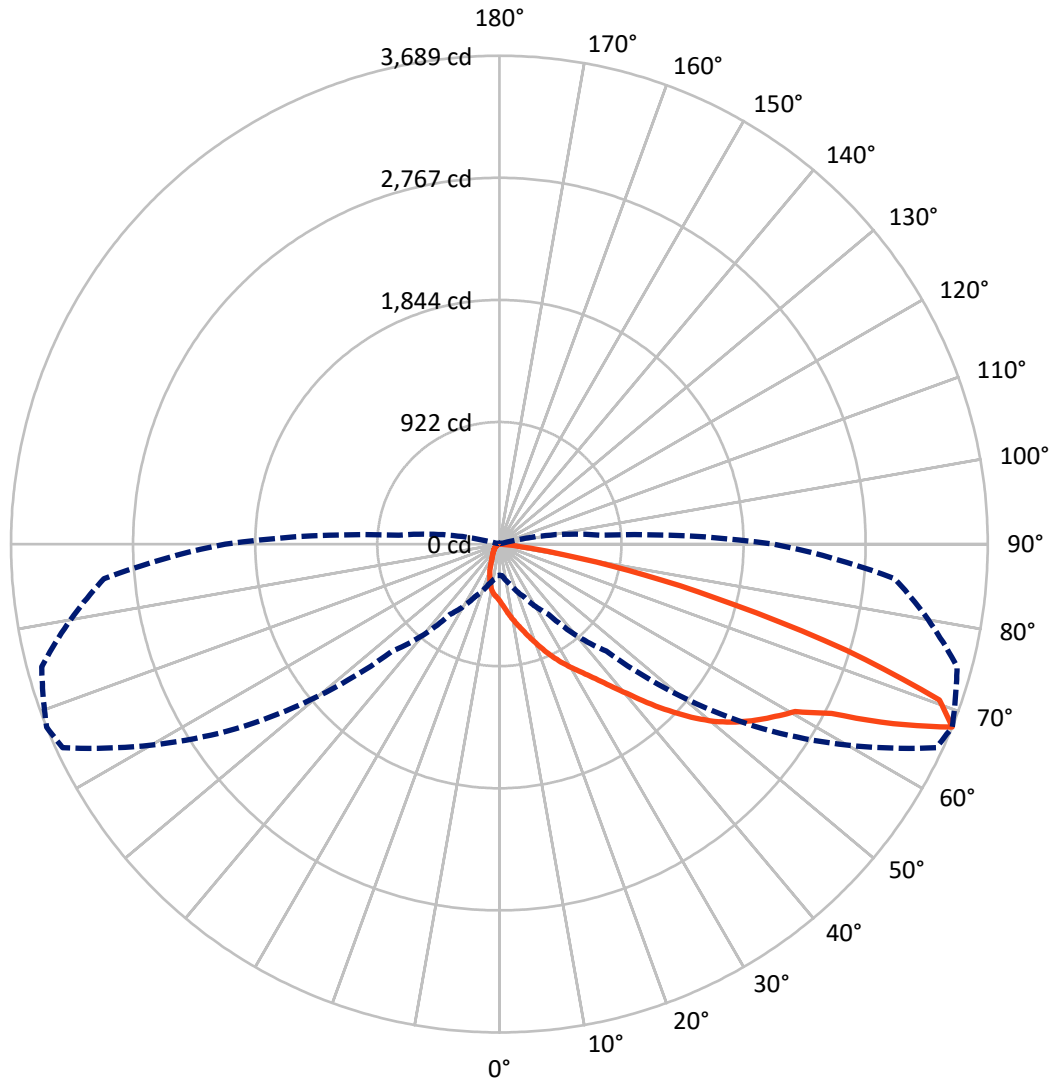
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 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
<b>House Side</b>	Lumens	266.0	0.0	266.0
	% Fixture	7.2	0.0	7.2
<b>Street Side</b>	Lumens	3417.0	0.0	3417.0
	% Fixture	92.8	0.0	92.8
<b>Total</b>	Lumens	3682.9	0.0	3682.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.8	1.1
10°-20°	120.0	3.3
20°-30°	206.3	5.6
30°-40°	358.7	9.7
40°-50°	625.8	17.0
50°-60°	943.9	25.6
60°-70°	946.5	25.7
70°-80°	417.6	11.3
80°-90°	22.3	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°	3682.9	100.0
0°-180°	3682.9	100.0

**Coefficient of Utilization**



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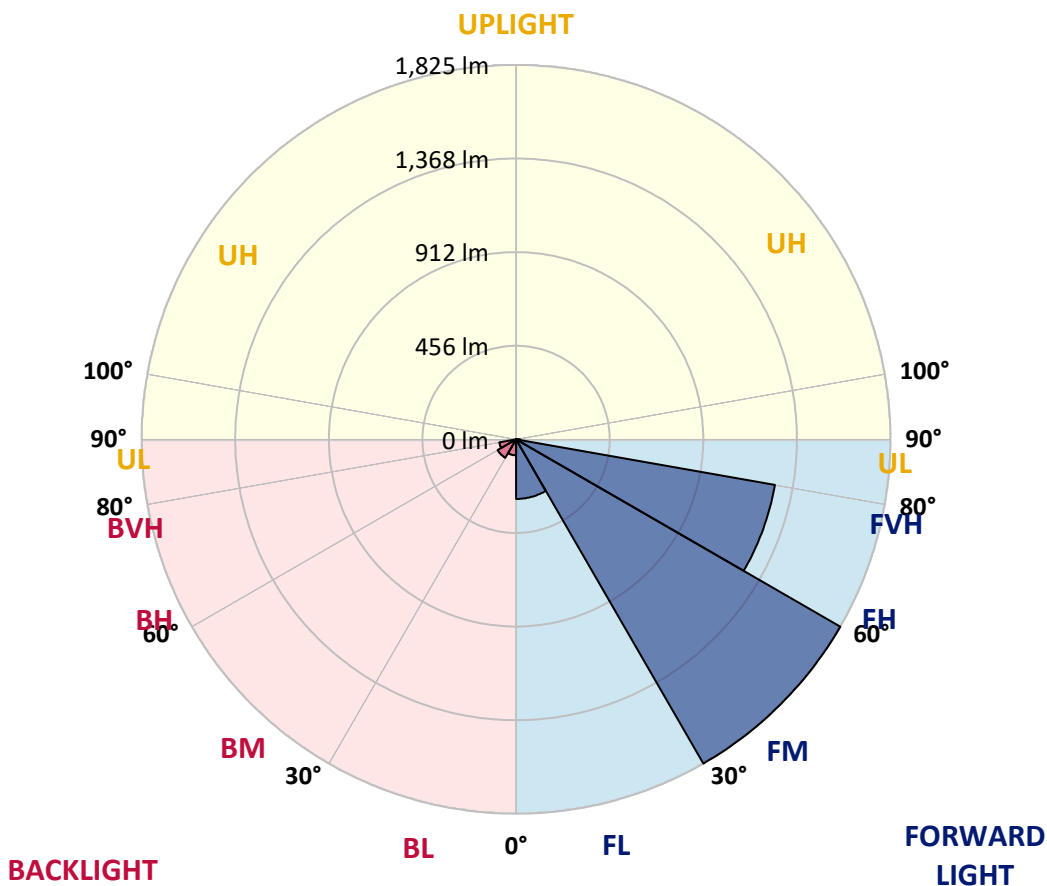
CATALOG NUMBER: GWS-SA1C-750-U-T2-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	290.3	7.9			
FM (30°-60°)	1824.5	49.5			
FH (60°-80°)	1281.1	34.8			G1/1800
FVH (80°-90°)	21.0	0.6			G1/100
BL (0°-30°)	77.8	2.1	B0/110		
BM (30°-60°)	103.9	2.8	B0/220		
BH (60°-80°)	83.0	2.3	B0/110		G0/110
BVH (80°-90°)	1.3	0.0			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	428.6	428.6	428.6	428.6	428.6	428.6	428.6	428.6	428.6	428.6	428.6
2.5°	499.1	502.3	499.1	499.8	490.6	486.4	477.2	464.5	461.4	453.3	440.9
5°	560.1	562.9	559.7	559.0	548.4	540.7	525.5	503.7	497.3	481.5	457.1
7.5°	593.2	595.0	596.0	597.8	593.9	587.6	573.8	546.7	540.0	514.2	480.1
10°	596.7	598.1	603.4	614.0	621.7	625.6	617.9	592.8	582.3	557.2	508.3
12.5°	586.9	589.0	597.4	615.0	636.5	656.3	661.2	639.4	629.9	597.8	541.4
15°	573.8	575.6	587.2	611.2	643.6	679.9	700.3	690.8	680.3	646.8	578.0
17.5°	553.7	556.2	572.4	604.8	646.8	698.6	742.6	745.8	738.4	702.1	618.6
20°	542.4	544.2	558.7	592.1	644.7	712.3	782.1	812.1	804.0	765.9	665.1
22.5°	552.0	553.4	562.9	589.0	637.6	720.1	818.8	878.3	873.8	834.3	714.1
25°	602.0	606.6	601.0	605.5	640.8	724.3	848.4	944.6	945.7	905.8	764.8
27.5°	703.5	697.5	684.1	661.2	665.5	735.6	873.8	1007.0	1016.2	975.6	810.0
30°	806.8	803.3	795.2	759.6	730.0	760.6	895.3	1070.8	1085.2	1044.4	850.1
32.5°	922.8	926.3	911.8	869.2	818.8	811.4	917.5	1131.4	1158.5	1122.2	897.4
35°	1061.3	1062.3	1033.8	986.5	929.4	895.3	957.3	1198.4	1248.4	1221.6	960.5
37.5°	1196.3	1202.6	1187.1	1112.7	1062.0	999.6	1023.2	1284.4	1354.9	1344.3	1039.8
40°	1315.7	1325.6	1320.7	1248.8	1182.2	1129.6	1125.4	1385.2	1483.5	1495.5	1144.4
42.5°	1410.9	1417.3	1421.1	1370.0	1311.2	1281.6	1251.6	1502.2	1635.4	1684.4	1272.7
45°	1511.4	1513.5	1521.6	1487.0	1435.6	1438.1	1400.7	1644.2	1795.5	1893.8	1420.1
47.5°	1639.3	1646.4	1642.5	1606.2	1559.7	1587.5	1554.7	1790.5	1953.4	2117.2	1570.9
50°	1795.1	1802.5	1799.0	1756.7	1704.9	1716.5	1696.1	1932.6	2105.6	2328.0	1696.4
52.5°	1875.5	1881.5	1925.2	1944.2	1917.1	1843.0	1816.6	2088.7	2234.3	2501.4	1811.7
55°	1836.7	1840.9	1936.1	2016.4	2115.8	2041.8	1937.8	2209.2	2347.8	2636.8	1897.3
57.5°	1676.0	1698.9	1828.2	1964.3	2173.3	2238.1	2134.5	2340.4	2457.0	2730.9	1981.6
60°	1346.4	1345.4	1530.8	1775.0	2061.2	2292.1	2412.3	2517.6	2566.6	2803.1	2094.3
62.5°	744.1	750.7	997.5	1319.3	1749.6	2152.5	2620.6	2823.9	2816.5	2929.3	2270.9
65°	370.4	383.8	517.8	755.7	1164.2	1778.9	2656.5	3291.3	3270.2	3226.5	2635.7
67.5°	235.1	240.4	314.4	439.2	647.1	1143.4	2432.7	3639.9	3688.9	3578.9	2997.7
70°	152.3	161.1	218.5	300.3	390.5	589.3	1782.1	3414.0	3526.4	3540.1	2772.1
72.5°	82.8	89.2	139.6	214.3	282.0	294.7	1001.0	2562.1	2742.9	3003.0	2168.7
75°	47.2	51.8	76.5	145.6	206.9	179.4	443.8	1715.1	1830.3	2146.2	1554.0
77.5°	28.5	32.4	43.0	70.8	129.7	119.8	167.8	1044.0	1117.3	1280.5	815.6
80°	13.0	15.5	27.1	39.1	70.8	56.7	64.1	486.8	502.6	525.5	270.0
82.5°	6.0	7.0	12.3	23.3	40.2	32.8	24.7	112.4	158.3	149.8	68.7
85°	0.7	0.7	4.6	9.5	11.3	8.5	10.2	25.4	32.1	45.1	19.7
87.5°	0.0	0.0	0.4	0.4	0.7	1.1	2.1	3.2	4.6	7.4	4.9
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°	428.6	428.6	428.6	428.6	428.6	428.6	428.6	428.6	428.6	428.6	428.6
2.5°	435.3	425.4	416.6	403.6	394.8	384.9	378.2	370.1	366.9	364.4	360.9
5°	445.2	429.3	407.8	383.8	364.1	345.4	328.1	316.9	307.0	305.6	300.7
7.5°	461.4	437.8	401.5	362.3	328.8	297.8	273.5	253.8	243.9	240.7	235.1
10°	482.9	450.4	391.9	332.0	283.7	246.7	219.2	197.0	181.5	175.9	171.6
12.5°	506.8	462.1	376.8	294.7	239.7	197.4	162.5	138.9	129.0	125.5	122.3
15°	534.3	473.0	352.8	257.3	196.7	145.2	120.5	110.3	106.1	105.0	104.0
17.5°	560.8	480.1	324.3	218.5	151.2	112.8	101.2	97.3	96.2	95.2	94.5
20°	590.7	485.0	290.8	181.9	117.4	95.5	89.9	87.1	84.9	82.8	82.5
22.5°	621.4	485.0	254.5	145.9	98.3	85.6	79.3	74.0	70.1	68.0	67.3
25°	650.6	478.3	218.5	116.7	86.7	76.1	68.0	62.0	56.7	54.3	53.6
27.5°	671.4	461.0	187.2	98.7	78.6	67.7	57.8	51.1	46.9	44.4	44.1
30°	684.5	435.3	158.3	88.1	71.6	58.9	49.0	43.4	40.2	38.4	37.7
32.5°	694.4	403.6	132.5	80.7	64.9	51.1	42.6	38.1	35.2	33.8	33.5
35°	714.1	373.6	113.5	74.0	57.8	44.8	37.4	33.8	31.7	30.0	29.6
37.5°	741.6	348.6	98.3	68.0	51.1	39.8	33.8	30.7	28.9	27.1	26.8
40°	782.1	332.7	87.1	62.0	45.1	36.0	31.0	28.2	25.7	24.0	23.6
42.5°	844.5	325.3	79.7	56.0	39.8	32.4	28.5	25.0	22.6	20.8	20.4
45°	918.9	329.2	73.3	50.0	36.3	30.0	25.4	21.9	19.4	17.6	17.3
47.5°	998.5	342.9	68.0	44.4	32.8	27.5	22.6	18.7	16.6	14.8	14.5
50°	1081.7	365.5	63.4	39.1	30.0	24.7	19.4	16.2	14.1	12.7	12.3
52.5°	1154.0	396.2	58.9	35.2	27.5	21.9	16.9	14.1	12.0	10.6	10.2
55°	1223.0	425.1	55.3	31.7	24.7	19.0	14.8	12.0	10.2	8.8	8.5
57.5°	1298.1	455.7	51.1	28.5	22.2	16.9	13.0	10.2	8.8	7.4	7.0
60°	1407.4	501.2	44.8	26.1	19.4	14.8	11.3	9.2	7.8	6.0	5.6
62.5°	1564.9	584.0	37.7	22.6	16.6	12.7	9.5	7.8	6.3	4.9	4.2
65°	1859.6	725.0	31.0	18.7	13.4	10.6	8.1	6.3	4.9	3.5	3.2
67.5°	2071.8	761.7	25.0	15.2	10.9	8.1	6.7	4.9	3.5	2.5	2.1
70°	1811.3	547.0	19.4	12.3	9.2	6.3	5.3	3.9	2.5	1.8	1.4
72.5°	1364.7	357.4	14.5	9.5	7.0	5.3	3.9	3.2	2.1	1.4	1.1
75°	961.9	206.5	10.6	7.0	4.9	3.9	3.2	2.5	1.8	1.1	1.1
77.5°	493.1	85.3	7.4	4.9	3.5	2.5	2.1	1.4	1.4	1.1	0.7
80°	149.8	28.2	4.2	3.2	2.5	1.8	1.1	1.1	1.1	0.7	0.4
82.5°	34.2	9.2	2.5	2.5	1.8	1.4	1.1	0.4	0.4	0.0	0.0
85°	8.8	2.8	2.1	1.8	1.8	1.4	0.7	0.4	0.0	0.0	0.0
87.5°	3.2	1.8	1.8	1.8	1.4	1.1	0.7	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)