

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: P630904

Luminaire Tested: GWS-SA1E-750-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6251.2 lumens
Efficiency: N/A
Efficacy: 107.0 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

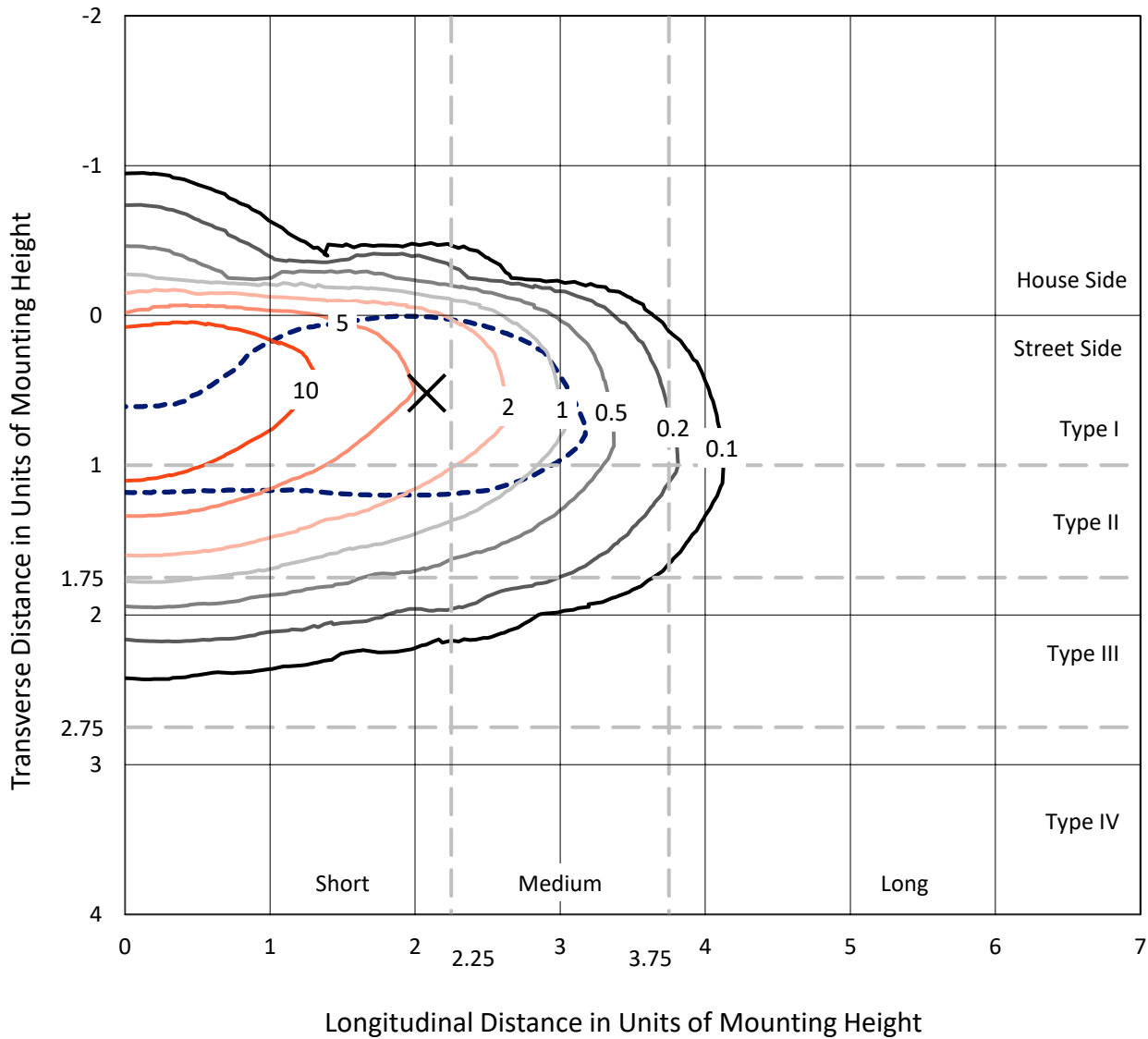
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

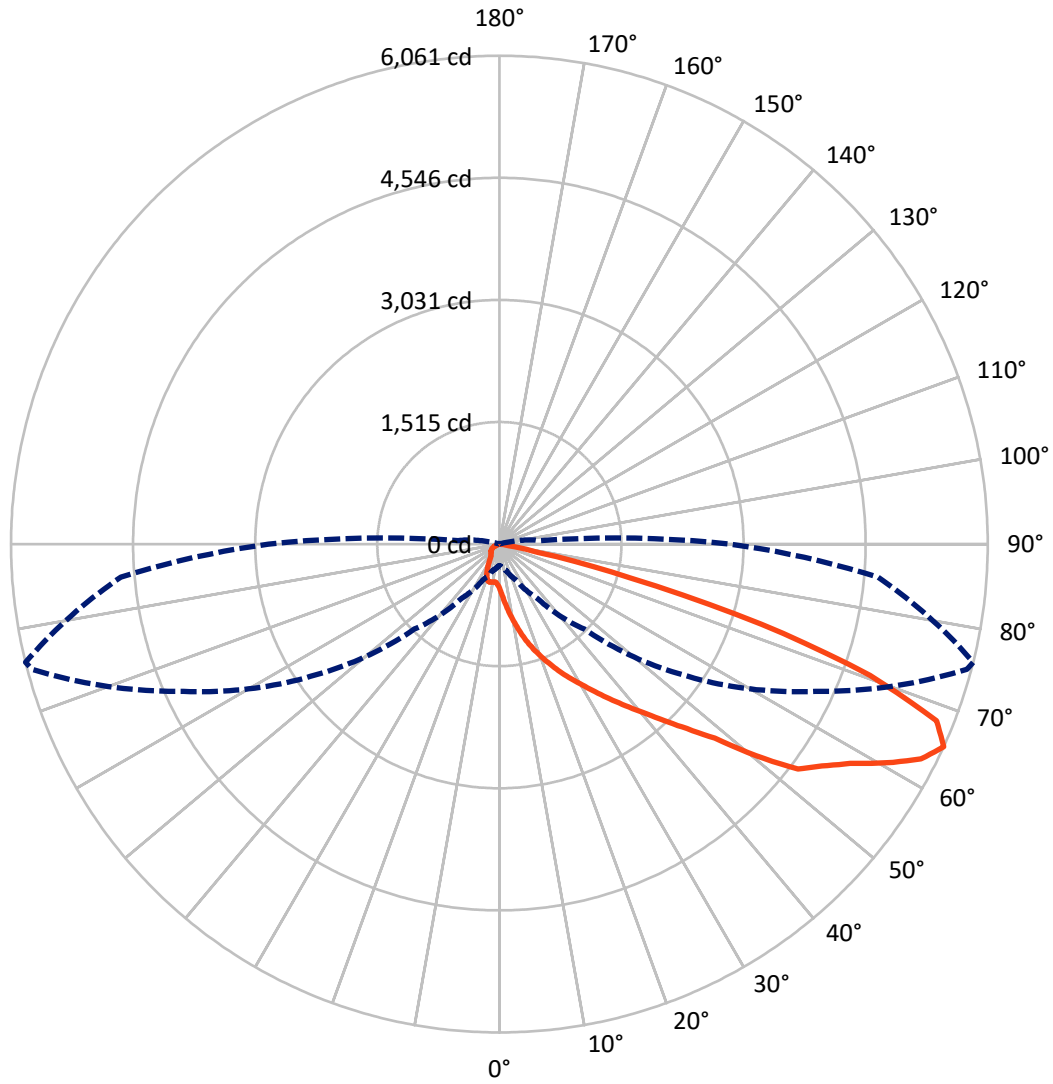
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	345.7	0.0	345.7
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	5905.5	0.0	5905.5
	% Fixture	94.5	0.0	94.5
Total	Lumens	6251.2	0.0	6251.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	1.1
10°-20°	255.5	4.1
20°-30°	521.2	8.3
30°-40°	927.0	14.8
40°-50°	1370.4	21.9
50°-60°	1569.0	25.1
60°-70°	1197.0	19.1
70°-80°	335.3	5.4
80°-90°	8.4	0.1
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°	6251.2	100.0
0°-180°	6251.2	100.0

Coefficient of Utilization



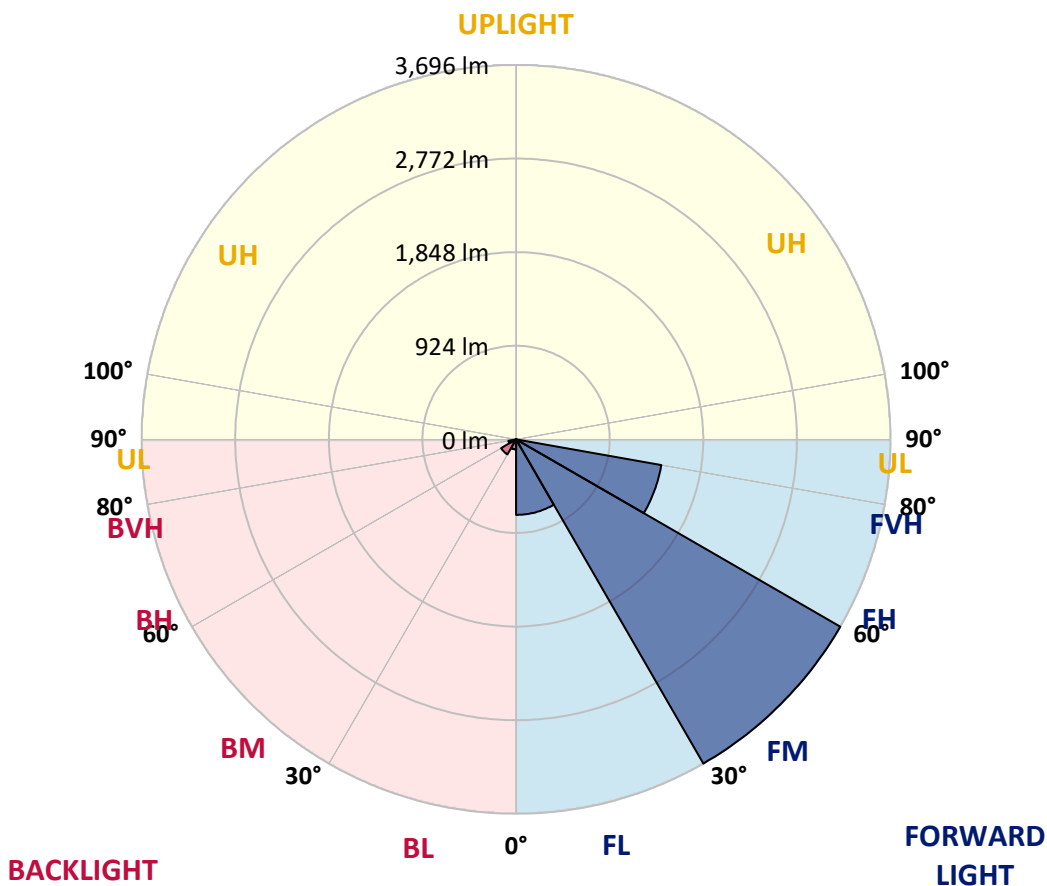
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	745.4	11.9			
FM (30°-60°)	3695.8	59.1			
FH (60°-80°)	1456.4	23.3			G1/1800
FVH (80°-90°)	7.9	0.1			G0/10
BL (0°-30°)	98.6	1.6	B0/110		
BM (30°-60°)	170.5	2.7	B0/220		
BH (60°-80°)	76.0	1.2	B0/110		G0/110
BVH (80°-90°)	0.5	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°	75°	76°	85°
0°	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5
2.5°	853.0	865.8	855.8	839.1	806.9	775.7	735.7	680.7	636.8	631.3	590.1
5°	1151.9	1150.8	1129.1	1107.5	1073.6	1020.2	939.7	837.4	739.1	730.7	638.5
7.5°	1329.7	1331.4	1319.2	1302.5	1269.2	1214.2	1130.3	1006.9	863.0	846.3	704.6
10°	1479.2	1478.7	1469.8	1462.0	1432.0	1395.3	1305.3	1169.7	996.3	970.2	778.5
12.5°	1591.5	1595.4	1599.8	1607.6	1594.8	1558.7	1473.7	1325.9	1131.4	1102.5	863.0
15°	1680.4	1681.5	1698.2	1728.2	1738.7	1719.8	1642.6	1477.0	1264.7	1239.7	960.2
17.5°	1707.1	1709.3	1737.6	1792.6	1848.2	1858.8	1800.4	1629.3	1395.9	1369.2	1054.7
20°	1763.2	1768.2	1789.3	1837.6	1907.7	1964.3	1941.6	1783.2	1527.0	1492.0	1151.4
22.5°	1939.9	1942.7	1935.4	1941.6	1977.7	2043.2	2057.1	1932.1	1661.5	1624.3	1255.8
25°	2243.8	2245.0	2194.4	2146.6	2119.4	2131.6	2162.2	2069.4	1794.9	1758.2	1353.1
27.5°	2559.5	2563.4	2502.8	2421.7	2324.4	2268.8	2260.0	2194.9	1929.3	1888.8	1449.2
30°	2856.8	2856.8	2792.9	2693.9	2563.9	2455.6	2391.7	2321.6	2073.2	2028.8	1547.6
32.5°	3124.0	3121.8	3040.1	2932.9	2804.5	2685.6	2551.1	2453.9	2233.3	2183.8	1660.9
35°	3344.6	3339.1	3246.3	3143.5	3006.2	2917.9	2767.9	2596.1	2406.7	2357.2	1777.6
37.5°	3511.4	3505.2	3420.2	3311.3	3184.1	3126.8	3001.2	2766.7	2589.5	2544.5	1907.1
40°	3601.9	3589.7	3530.8	3449.7	3343.0	3293.0	3240.7	2978.5	2804.5	2748.4	2059.9
42.5°	3628.6	3614.2	3575.3	3537.5	3473.0	3433.6	3489.7	3217.4	3040.7	2992.3	2234.4
45°	3549.7	3541.4	3538.0	3565.3	3576.9	3588.0	3726.4	3481.9	3301.3	3264.6	2453.9
47.5°	3359.7	3357.4	3386.9	3500.2	3623.6	3740.9	3983.7	3808.1	3639.2	3599.7	2760.6
50°	3008.5	3031.2	3113.5	3312.4	3559.1	3827.5	4224.3	4260.4	4186.0	4128.2	3160.7
52.5°	2459.4	2503.3	2687.8	2990.1	3344.6	3803.1	4335.4	4622.7	4698.8	4638.8	3447.5
55°	1929.9	1971.0	2135.5	2518.9	2991.8	3616.9	4340.4	4747.7	4913.9	4858.3	3641.4
57.5°	1437.5	1475.3	1624.8	1991.6	2511.7	3250.7	4221.5	4817.2	5169.0	5133.4	3947.6
60°	939.7	976.9	1111.9	1432.5	1948.2	2717.3	3928.7	4802.8	5516.3	5512.9	4323.8
62.5°	521.2	550.7	648.5	898.5	1359.8	2104.4	3468.6	4657.7	5852.4	5873.6	4633.8
65°	266.7	285.6	345.1	494.0	823.0	1492.0	2863.4	4325.4	6008.0	6061.4	4715.5
67.5°	174.5	180.6	195.0	256.7	440.7	938.5	2154.9	3792.5	5789.1	5851.3	4441.6
70°	141.7	146.7	155.0	171.2	227.3	498.4	1415.3	3029.0	4837.2	4879.4	3536.9
72.5°	103.9	110.6	126.7	137.3	163.9	273.4	736.3	1988.2	3321.9	3396.3	2222.7
75°	76.7	80.6	93.9	108.4	133.9	172.8	281.7	1045.2	1715.4	1672.0	933.5
77.5°	46.1	48.9	60.0	69.5	95.6	107.8	98.4	386.2	521.8	490.7	225.6
80°	22.8	25.6	39.5	52.2	61.1	43.3	41.1	107.8	116.1	116.1	56.7
82.5°	7.8	10.0	21.1	34.5	30.0	16.7	19.4	27.8	31.1	32.8	16.7
85°	0.0	0.0	5.0	10.0	4.4	2.2	5.0	6.1	7.8	8.3	5.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5
2.5°	567.9	541.8	502.3	466.8	439.5	414.0	394.5	379.0	376.2	367.3	368.4
5°	593.5	546.2	473.4	417.3	377.9	351.2	329.0	312.3	305.1	297.8	292.3
7.5°	632.9	564.6	462.3	394.0	347.9	306.7	272.3	244.5	231.2	222.8	217.3
10°	681.3	590.1	462.9	380.1	311.7	248.9	201.7	171.2	156.7	152.3	151.7
12.5°	739.1	622.4	467.3	357.3	259.5	185.0	149.5	135.6	131.1	127.3	127.3
15°	800.2	658.5	467.3	315.6	197.8	144.5	129.5	120.6	115.0	112.8	111.7
17.5°	864.6	692.4	456.2	258.4	151.7	127.3	115.0	106.7	102.2	98.9	97.8
20°	933.5	724.6	428.4	197.8	130.0	113.9	102.2	93.9	89.5	86.1	86.1
22.5°	1003.6	754.6	383.4	152.3	115.0	101.1	90.0	82.2	77.8	74.5	74.5
25°	1068.6	774.6	325.6	125.6	103.9	90.0	80.0	72.2	67.2	65.0	63.9
27.5°	1129.1	787.4	261.7	110.6	93.4	80.6	70.0	62.8	58.9	57.2	56.1
30°	1191.9	790.7	200.0	100.6	84.5	71.1	61.1	55.6	52.2	50.0	50.0
32.5°	1253.1	786.8	152.8	92.2	76.7	62.8	54.5	49.5	46.7	45.0	44.5
35°	1315.3	769.1	123.9	85.0	68.9	55.0	48.3	44.5	42.8	40.6	40.6
37.5°	1383.1	745.2	107.8	77.8	61.1	49.5	43.3	40.6	38.3	36.7	36.1
40°	1467.6	717.4	98.9	71.7	53.9	44.5	38.9	36.1	34.5	32.8	32.2
42.5°	1567.6	690.2	94.5	65.0	48.3	39.5	35.0	31.7	30.0	27.8	27.2
45°	1709.3	684.0	89.5	57.8	43.3	35.6	30.6	27.2	25.0	23.3	22.8
47.5°	1937.1	701.3	81.1	50.0	38.3	31.1	26.1	23.3	20.6	18.9	17.8
50°	2163.3	696.8	72.8	43.3	33.9	26.7	22.2	19.4	16.7	15.0	14.4
52.5°	2286.6	675.7	65.0	38.3	29.5	22.8	18.9	15.6	13.9	12.2	11.7
55°	2398.3	667.4	57.2	33.3	25.0	20.0	15.6	12.8	11.7	10.0	9.4
57.5°	2617.3	686.8	50.6	28.9	21.7	17.2	13.3	10.6	9.4	7.8	7.2
60°	2846.2	689.0	43.3	25.0	18.9	14.4	10.6	8.3	7.2	5.6	5.0
62.5°	2965.7	632.9	35.6	21.1	15.6	12.2	8.9	6.7	5.6	3.3	3.3
65°	2865.7	511.8	30.0	17.2	12.2	9.4	6.7	5.0	3.3	1.7	0.6
67.5°	2536.1	364.0	25.0	13.9	8.9	6.7	5.0	3.3	0.6	0.0	0.0
70°	1857.1	207.8	19.4	10.0	6.7	4.4	3.3	1.7	0.0	0.0	0.0
72.5°	1141.4	111.1	14.4	6.7	5.0	3.3	2.8	1.1	0.0	0.0	0.0
75°	432.9	53.3	8.9	4.4	3.9	2.8	1.7	0.6	0.0	0.0	0.0
77.5°	117.2	26.1	5.0	3.3	2.8	1.7	1.1	0.0	0.0	0.0	0.0
80°	30.6	12.2	3.3	2.2	1.7	1.1	0.0	0.0	0.0	0.0	0.0
82.5°	10.6	5.6	1.7	1.7	1.1	0.6	0.0	0.0	0.0	0.0	0.0
85°	4.4	2.2	1.1	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.6	0.6	0.6	0.6	0.0	0.0	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)