

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: P631348

Luminaire Tested: GWS-SA1F-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-740-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6185.1 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

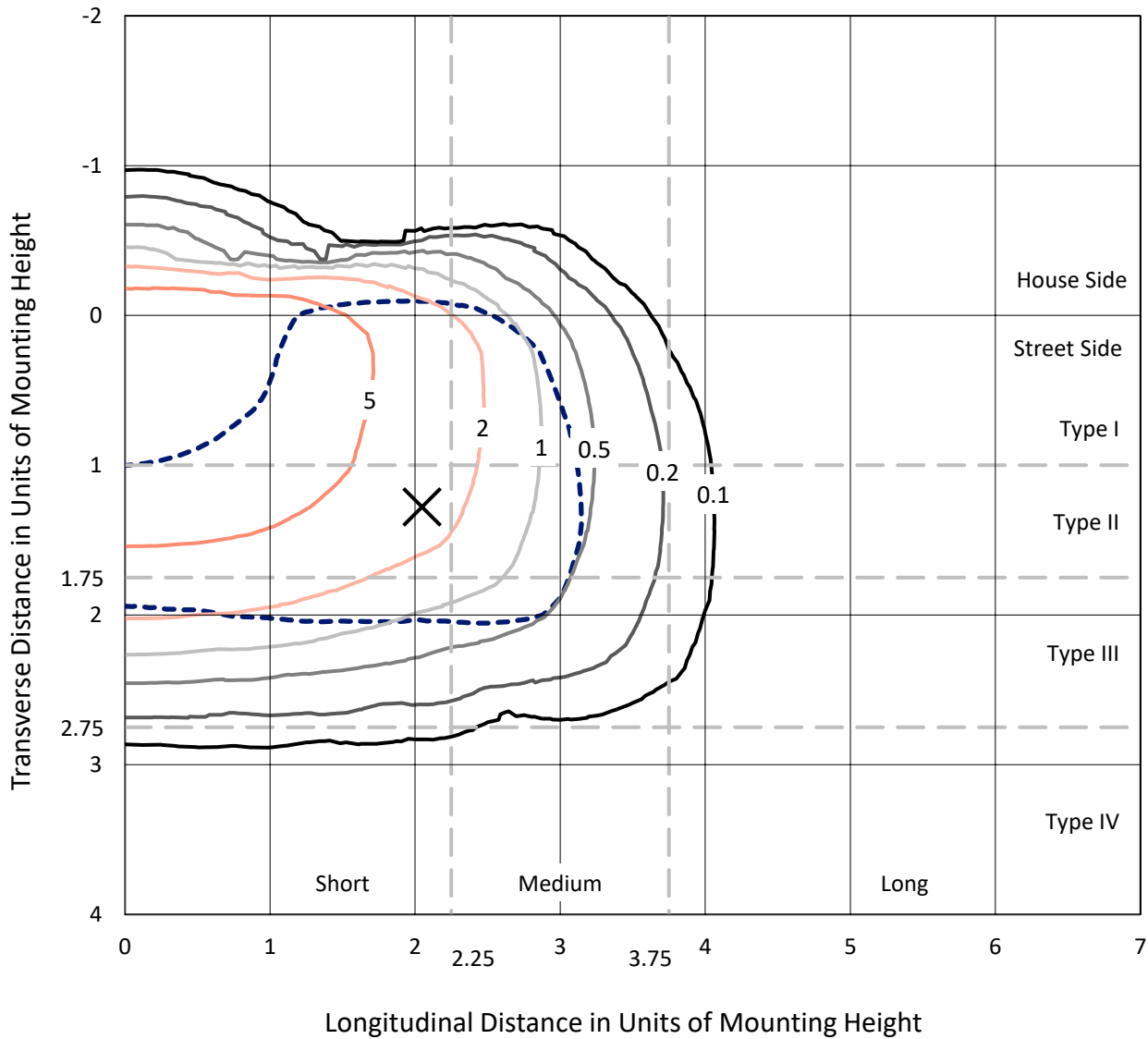
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

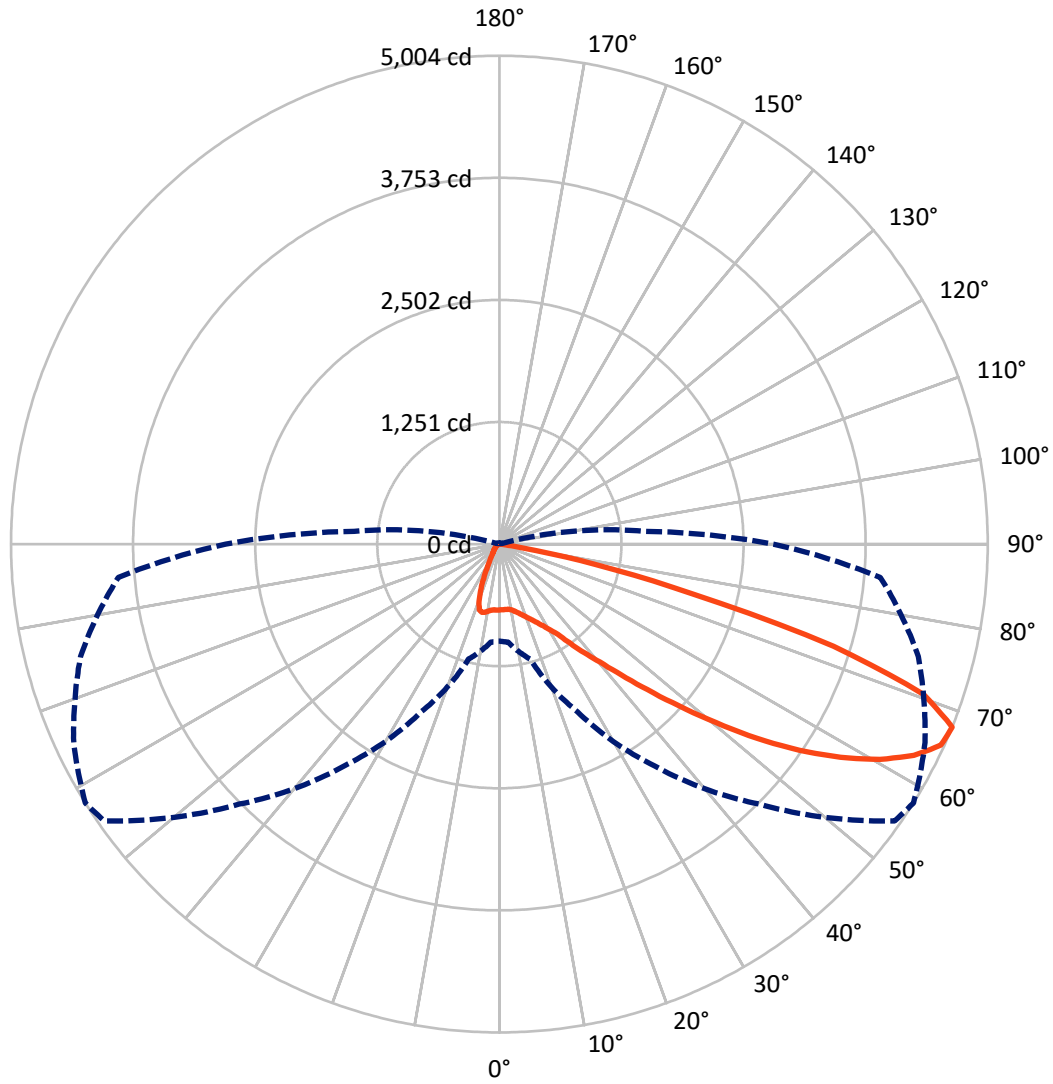
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	674.8	0.0	674.8
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	5510.3	0.0	5510.3
	% Fixture	89.1	0.0	89.1
Total	Lumens	6185.1	0.0	6185.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	1.0
10°-20°	177.8	2.9
20°-30°	310.3	5.0
30°-40°	554.1	9.0
40°-50°	1012.9	16.4
50°-60°	1684.5	27.2
60°-70°	1829.7	29.6
70°-80°	537.2	8.7
80°-90°	15.3	0.2
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°	6185.1	100.0
0°-180°	6185.1	100.0

Coefficient of Utilization



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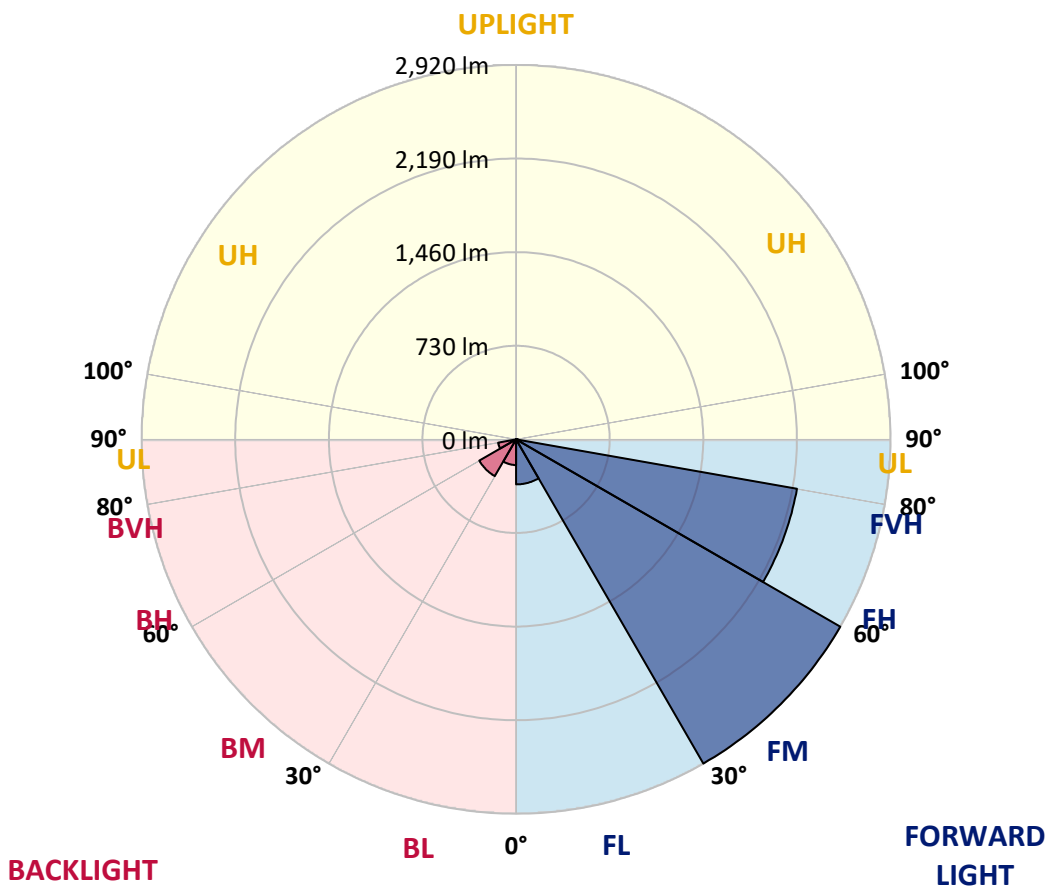
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	351.2	5.7			
FM (30°-60°)	2920.1	47.2			
FH (60°-80°)	2224.4	36.0			G2/5000
FVH (80°-90°)	14.5	0.2			G1/100
BL (0°-30°)	200.2	3.2	B1/500		
BM (30°-60°)	331.4	5.4	B1/1000		
BH (60°-80°)	142.4	2.3	B1/500		G1/500
BVH (80°-90°)	0.7	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0
2.5°	661.3	660.1	660.1	664.9	665.5	668.0	673.4	674.0	677.0	675.8	671.6
5°	626.9	627.5	631.1	639.6	646.8	655.9	669.2	672.2	678.8	682.4	680.0
7.5°	594.9	595.5	600.9	614.2	628.1	646.2	668.0	674.0	687.3	696.9	697.5
10°	582.8	582.2	587.6	602.7	620.8	646.2	677.6	685.5	705.4	722.3	725.3
12.5°	586.4	585.8	591.3	605.1	625.1	657.1	694.5	705.4	730.8	756.7	762.2
15°	600.9	600.3	603.9	615.4	637.2	670.4	716.3	732.6	764.6	796.0	804.4
17.5°	644.4	641.4	637.8	639.0	651.6	686.1	744.0	764.0	803.8	841.3	848.5
20°	721.7	713.9	704.2	691.5	685.5	709.0	776.1	799.0	847.3	890.2	891.4
22.5°	838.3	835.2	812.9	776.1	750.1	750.7	813.5	840.1	899.3	946.4	939.7
25°	1000.7	998.9	964.5	904.1	836.4	813.5	861.2	888.4	960.9	1011.0	989.8
27.5°	1202.4	1189.8	1149.3	1067.8	966.9	895.0	921.6	945.8	1026.1	1073.2	1033.3
30°	1378.2	1378.8	1340.7	1255.6	1142.0	1017.6	995.3	1016.4	1085.9	1135.4	1087.1
32.5°	1547.3	1552.7	1511.0	1434.3	1309.9	1177.7	1101.0	1104.6	1162.6	1216.3	1157.7
35°	1704.3	1708.5	1679.5	1614.3	1498.4	1345.0	1248.3	1246.5	1277.9	1332.9	1256.2
37.5°	1880.0	1884.3	1855.9	1797.3	1688.6	1536.4	1415.6	1413.2	1425.9	1470.6	1383.0
40°	2067.3	2075.1	2043.7	1994.2	1890.3	1761.7	1610.1	1588.3	1575.7	1628.2	1547.3
42.5°	2256.9	2269.0	2258.1	2208.6	2119.8	2013.5	1862.5	1828.7	1801.5	1867.4	1781.6
45°	2492.4	2506.9	2502.1	2464.1	2395.2	2308.8	2166.3	2127.1	2114.4	2175.4	2073.3
47.5°	2718.9	2734.6	2752.1	2743.7	2694.8	2654.9	2496.7	2474.3	2470.7	2535.9	2377.7
50°	2887.4	2901.9	2968.9	3017.3	3050.5	3042.0	2904.9	2871.7	2866.3	2907.9	2699.0
52.5°	3008.2	3022.1	3114.5	3265.5	3387.5	3453.9	3315.6	3308.4	3278.8	3264.3	2999.7
55°	3101.8	3121.1	3218.4	3446.7	3692.5	3839.8	3753.5	3727.5	3651.4	3568.0	3278.8
57.5°	3120.5	3128.4	3265.5	3573.5	3929.2	4167.8	4167.8	4122.5	3975.7	3860.4	3601.3
60°	2952.6	2976.8	3162.2	3563.2	4030.7	4382.2	4511.4	4480.0	4281.9	4140.0	3911.7
62.5°	2580.0	2607.2	2833.1	3317.4	3929.2	4426.2	4771.7	4766.9	4543.4	4371.3	4169.0
65°	1978.5	1998.4	2195.3	2775.1	3500.4	4256.5	4957.7	4971.0	4749.9	4524.1	4257.7
67.5°	994.1	1008.0	1220.6	1895.8	2774.5	3767.9	4945.0	5004.2	4812.8	4443.1	3918.9
70°	347.3	361.2	461.4	813.5	1688.6	2877.1	4517.4	4614.1	4443.8	3792.7	2891.0
72.5°	119.0	125.6	191.4	302.0	657.1	1705.5	3435.2	3580.7	3275.7	2546.2	1661.4
75°	67.6	71.9	102.7	163.7	275.4	561.1	1948.9	2038.3	1909.6	1387.8	683.7
77.5°	45.9	49.5	64.0	93.0	152.2	180.6	794.8	1000.7	872.7	453.0	174.5
80°	27.2	29.6	39.3	55.0	77.9	70.1	170.3	226.5	291.7	135.3	52.5
82.5°	12.7	14.5	25.4	36.2	39.3	29.6	50.1	61.0	82.1	66.4	21.7
85°	0.0	0.0	8.5	15.1	14.5	8.5	13.9	15.1	22.3	33.2	8.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	3.6	6.6	3.6
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°	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0
2.5°	676.4	672.2	677.0	674.6	677.0	676.4	671.6	668.6	668.6	663.1	661.3
5°	684.9	680.6	681.8	676.4	675.2	672.2	666.1	663.7	663.7	658.3	656.5
7.5°	703.6	696.9	695.7	684.9	680.0	671.6	660.7	656.5	655.9	650.4	648.6
10°	733.2	725.3	719.9	706.0	692.1	675.2	652.2	632.9	622.1	607.6	606.4
12.5°	769.4	759.7	751.3	730.2	707.2	669.2	601.5	530.9	487.4	453.0	455.4
15°	809.9	800.8	787.5	755.5	708.4	609.4	468.0	359.3	306.2	277.8	276.6
17.5°	854.0	840.7	818.9	775.5	670.4	465.6	304.4	215.0	187.2	177.6	175.1
20°	895.0	878.7	851.5	779.7	560.5	315.3	190.2	166.7	161.9	158.8	158.8
22.5°	938.5	918.0	877.5	747.1	416.7	201.7	161.9	156.4	152.8	148.6	148.0
25°	982.6	956.0	901.1	661.9	273.0	158.8	151.6	145.5	138.9	132.3	130.4
27.5°	1020.0	985.6	919.2	535.1	175.1	143.1	138.3	128.0	119.0	111.7	110.5
30°	1064.7	1020.6	927.0	391.3	137.7	126.2	119.0	108.1	97.2	90.0	87.6
32.5°	1124.5	1076.2	915.0	254.9	122.0	111.1	99.6	87.0	76.1	68.2	67.0
35°	1217.5	1160.2	859.4	162.5	110.5	96.0	82.1	68.8	59.8	53.8	52.5
37.5°	1331.1	1277.9	768.2	122.0	99.0	83.3	67.0	54.4	47.7	43.5	42.3
40°	1499.6	1425.3	655.3	106.9	87.6	70.7	55.0	44.7	39.9	36.2	35.0
42.5°	1718.2	1599.2	525.4	97.2	76.7	59.2	44.7	36.8	32.6	30.2	29.6
45°	1973.7	1768.9	388.3	87.6	66.4	48.9	36.8	30.2	27.2	25.4	24.8
47.5°	2235.2	1917.5	268.1	77.3	56.8	40.5	30.8	26.0	23.6	21.1	20.5
50°	2514.2	2043.1	183.0	67.0	48.3	33.2	26.6	23.6	20.5	18.7	18.1
52.5°	2718.9	2089.6	127.4	58.0	41.1	28.4	23.6	21.1	18.7	16.3	15.7
55°	2907.9	2088.4	96.6	48.9	35.0	24.8	21.1	18.7	16.3	14.5	13.9
57.5°	3096.4	2072.1	76.1	41.7	30.2	22.3	18.7	16.3	15.1	12.7	12.1
60°	3218.4	2010.5	59.2	35.0	26.0	19.3	16.3	14.5	12.7	10.9	10.3
62.5°	3283.0	1924.7	45.3	27.8	21.1	16.9	14.5	12.7	10.9	9.1	8.5
65°	3195.4	1772.5	35.6	21.7	16.3	14.5	12.1	10.3	8.5	6.6	6.0
67.5°	2807.1	1494.7	27.8	17.5	12.7	10.9	10.3	8.5	6.0	4.8	4.2
70°	1983.9	1023.7	21.7	13.3	9.7	8.5	7.9	6.6	4.8	3.6	3.0
72.5°	1088.9	516.4	15.7	9.7	7.2	6.6	6.0	5.4	4.2	3.0	3.0
75°	419.1	141.9	11.5	6.6	4.8	4.8	4.2	4.2	3.6	2.4	2.4
77.5°	109.3	42.3	7.2	4.2	3.0	3.0	3.0	2.4	2.4	1.8	1.8
80°	35.0	13.9	4.2	3.0	2.4	1.8	1.8	1.2	1.8	1.2	1.2
82.5°	11.5	4.8	2.4	2.4	1.8	1.2	1.2	0.6	0.6	0.0	0.0
85°	4.2	2.4	1.8	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0
87.5°	2.4	1.2	1.2	1.2	1.2	0.6	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)