

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: P632393

Luminaire Tested: GWS-SA2C-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632393
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-SA2C-750-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6950.5 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

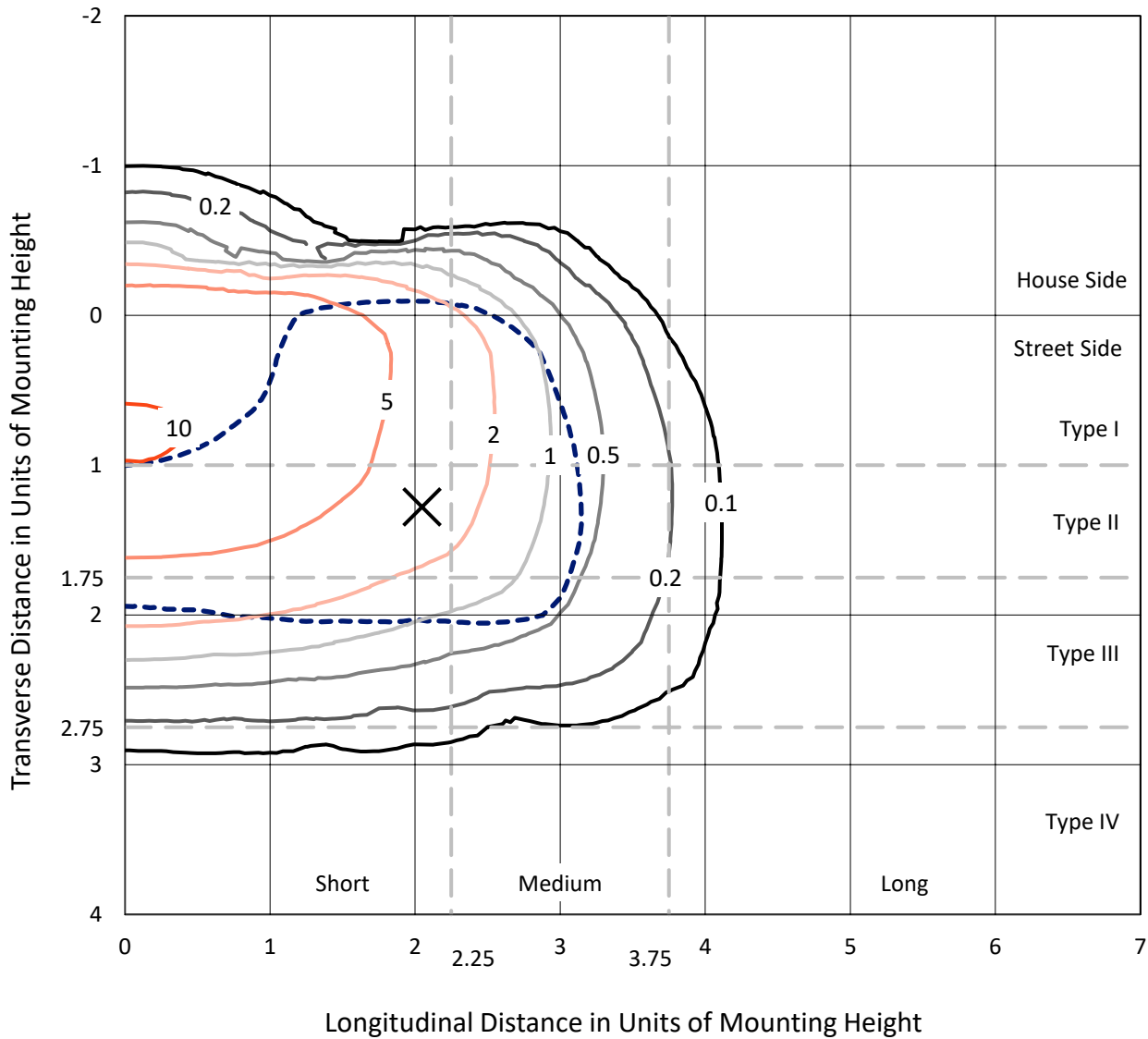
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

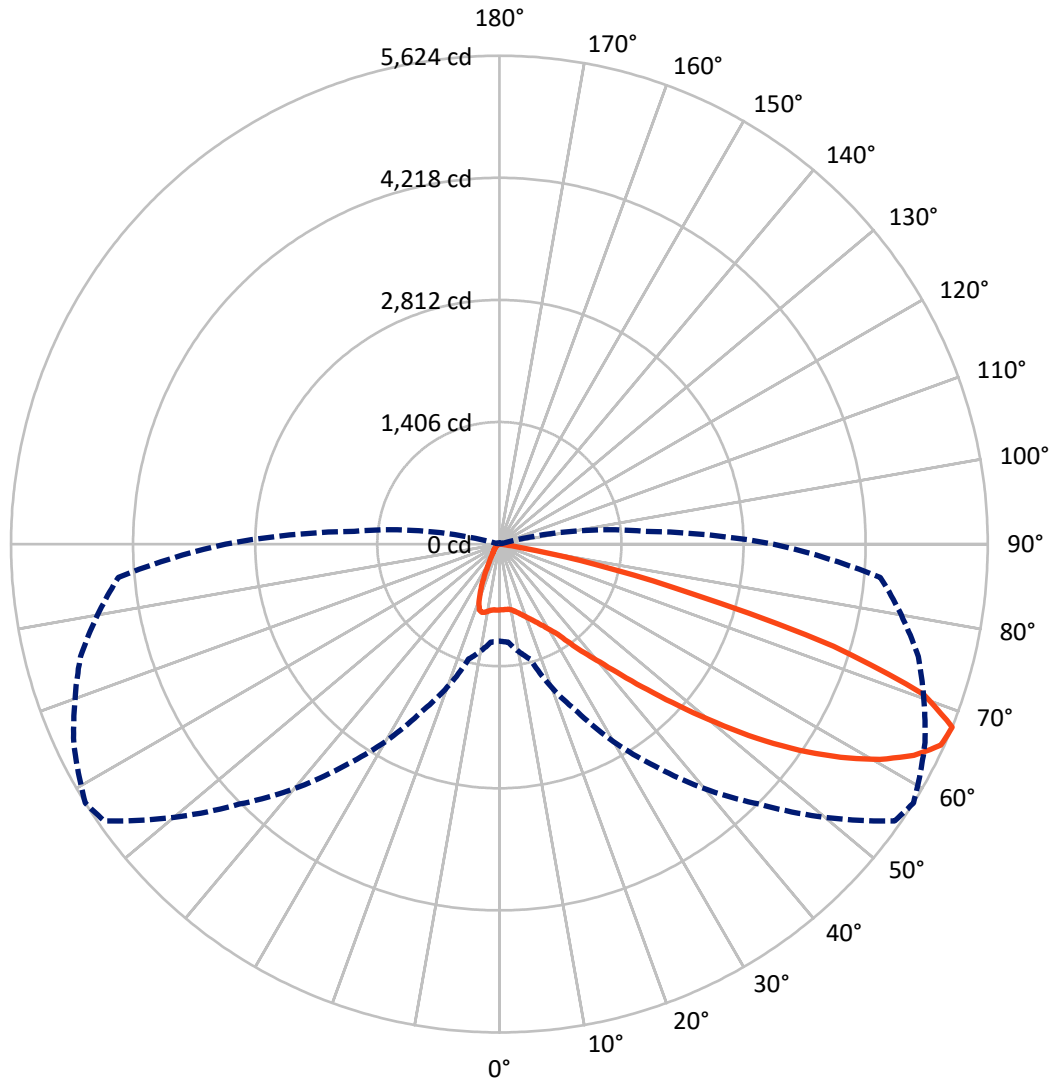
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 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	758.3	0.0	758.3
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	6192.2	0.0	6192.2
	% Fixture	89.1	0.0	89.1
Total	Lumens	6950.5	0.0	6950.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	1.0
10°-20°	199.8	2.9
20°-30°	348.7	5.0
30°-40°	622.7	9.0
40°-50°	1138.2	16.4
50°-60°	1893.0	27.2
60°-70°	2056.1	29.6
70°-80°	603.7	8.7
80°-90°	17.2	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°	6950.5	100.0
0°-180°	6950.5	100.0

Coefficient of Utilization



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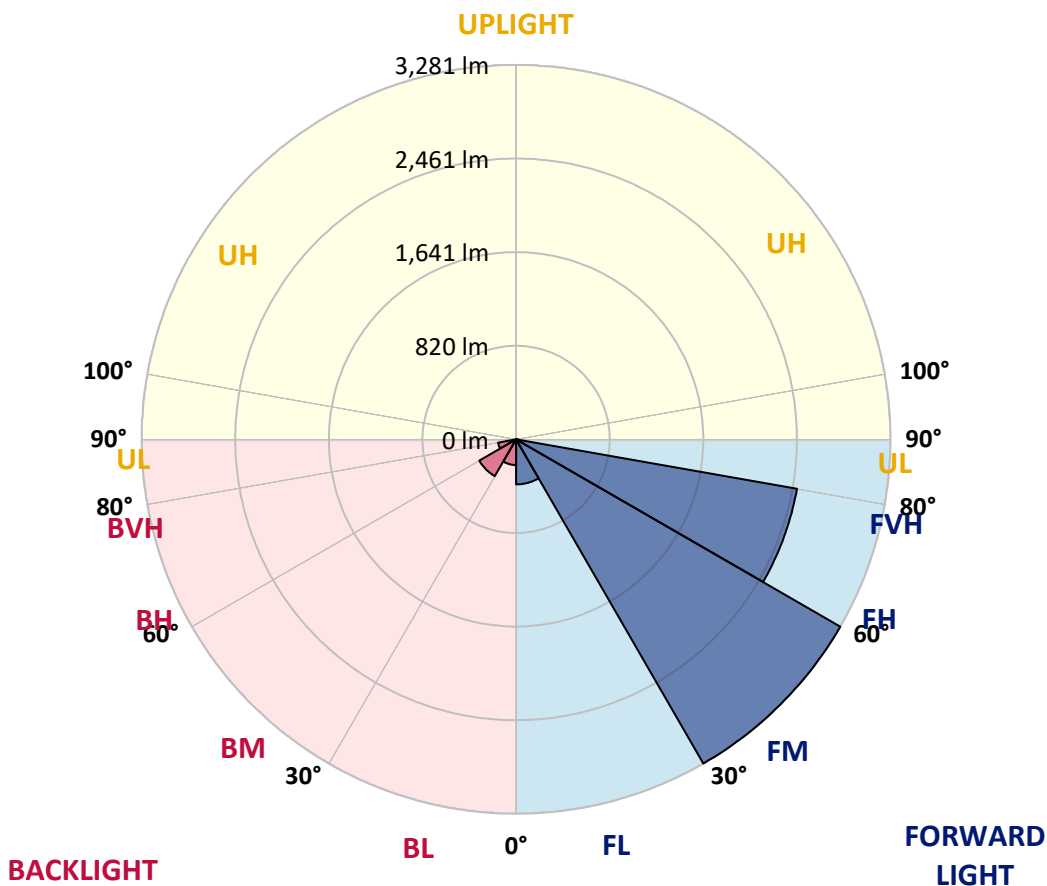
CATALOG NUMBER: GWS-SA2C-750-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.7	5.7			
FM (30°-60°)	3281.5	47.2			
FH (60°-80°)	2499.7	36.0			G2/5000
FVH (80°-90°)	16.3	0.2			G1/100
BL (0°-30°)	224.9	3.2	B1/500		
BM (30°-60°)	372.4	5.4	B1/1000		
BH (60°-80°)	160.1	2.3	B1/500		G1/500
BVH (80°-90°)	0.8	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4
2.5°	743.1	741.8	741.8	747.2	747.9	750.6	756.7	757.4	760.8	759.4	754.7
5°	704.5	705.1	709.2	718.7	726.9	737.0	752.0	755.4	762.8	766.9	764.2
7.5°	668.5	669.2	675.3	690.2	705.8	726.2	750.6	757.4	772.3	783.2	783.9
10°	654.9	654.2	660.3	677.3	697.7	726.2	761.5	770.3	792.7	811.7	815.1
12.5°	659.0	658.3	664.4	680.0	702.4	738.4	780.5	792.7	821.2	850.4	856.5
15°	675.3	674.6	678.7	691.6	716.0	753.3	804.9	823.2	859.2	894.5	904.0
17.5°	724.1	720.7	716.7	718.0	732.3	771.0	836.1	858.5	903.3	945.4	953.5
20°	811.0	802.2	791.3	777.1	770.3	796.8	872.1	897.9	952.2	1000.4	1001.7
22.5°	942.0	938.6	913.5	872.1	842.9	843.6	914.2	944.0	1010.5	1063.5	1056.0
25°	1124.6	1122.5	1083.8	1016.0	940.0	914.2	967.8	998.3	1079.8	1136.1	1112.3
27.5°	1351.2	1337.0	1291.5	1199.9	1086.6	1005.8	1035.7	1062.8	1153.1	1206.0	1161.2
30°	1548.7	1549.4	1506.6	1411.0	1283.4	1143.6	1118.4	1142.2	1220.3	1275.9	1221.6
32.5°	1738.8	1744.9	1698.0	1611.8	1472.0	1323.4	1237.2	1241.3	1306.4	1366.8	1301.0
35°	1915.2	1920.0	1887.4	1814.1	1683.8	1511.4	1402.8	1400.8	1436.1	1497.8	1411.6
37.5°	2112.7	2117.5	2085.6	2019.7	1897.6	1726.5	1590.8	1588.1	1602.3	1652.6	1554.2
40°	2323.1	2331.9	2296.6	2241.0	2124.2	1979.7	1809.3	1784.9	1770.7	1829.7	1738.8
42.5°	2536.2	2549.8	2537.6	2481.9	2382.1	2262.7	2093.0	2055.0	2024.5	2098.5	2002.1
45°	2800.9	2817.2	2811.7	2769.0	2691.6	2594.6	2434.4	2390.3	2376.0	2444.6	2329.9
47.5°	3055.4	3073.0	3092.7	3083.2	3028.2	2983.4	2805.6	2780.5	2776.4	2849.7	2671.9
50°	3244.7	3261.0	3336.3	3390.6	3428.0	3418.5	3264.4	3227.1	3221.0	3267.8	3033.0
52.5°	3380.5	3396.1	3499.9	3669.6	3806.7	3881.3	3725.9	3717.8	3684.5	3668.2	3371.0
55°	3485.7	3507.4	3616.6	3873.2	4149.4	4315.0	4217.9	4188.8	4103.2	4009.6	3684.5
57.5°	3506.7	3515.5	3669.6	4015.7	4415.4	4683.5	4683.5	4632.6	4467.7	4338.1	4046.9
60°	3318.0	3345.2	3553.5	4004.2	4529.5	4924.4	5069.7	5034.4	4811.8	4652.3	4395.8
62.5°	2899.3	2929.8	3183.6	3727.9	4415.4	4974.0	5362.2	5356.8	5105.6	4912.2	4684.9
65°	2223.3	2245.7	2467.0	3118.5	3933.6	4783.3	5571.2	5586.1	5337.7	5083.9	4784.6
67.5°	1117.1	1132.7	1371.6	2130.3	3117.8	4234.2	5557.0	5623.5	5408.3	4993.0	4403.9
70°	390.2	405.8	518.5	914.2	1897.6	3233.2	5076.5	5185.0	4993.7	4262.1	3248.8
72.5°	133.7	141.2	215.1	339.3	738.4	1916.6	3860.3	4023.8	3681.1	2861.3	1867.0
75°	76.0	80.8	115.4	183.9	309.5	630.5	2190.1	2290.5	2146.0	1559.6	768.3
77.5°	51.6	55.7	71.9	104.5	171.0	202.9	893.1	1124.6	980.7	509.0	196.1
80°	30.5	33.3	44.1	61.8	87.5	78.7	191.4	254.5	327.8	152.0	59.0
82.5°	14.3	16.3	28.5	40.7	44.1	33.3	56.3	68.5	92.3	74.7	24.4
85°	0.0	0.0	9.5	17.0	16.3	9.5	15.6	17.0	25.1	37.3	9.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	4.1	7.5	4.1
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°	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4
2.5°	760.1	755.4	760.8	758.1	760.8	760.1	754.7	751.3	751.3	745.2	743.1
5°	769.6	764.9	766.2	760.1	758.8	755.4	748.6	745.9	745.9	739.8	737.7
7.5°	790.7	783.2	781.8	769.6	764.2	754.7	742.5	737.7	737.0	730.9	728.9
10°	823.9	815.1	809.0	793.4	777.8	758.8	733.0	711.2	699.0	682.7	681.4
12.5°	864.6	853.8	844.3	820.5	794.7	752.0	676.0	596.6	547.7	509.0	511.7
15°	910.1	899.9	885.0	849.0	796.1	684.8	526.0	403.8	344.1	312.2	310.8
17.5°	959.6	944.7	920.3	871.4	753.3	523.3	342.1	241.6	210.4	199.5	196.8
20°	1005.8	987.5	956.9	876.2	629.8	354.3	213.8	187.3	181.9	178.5	178.5
22.5°	1054.7	1031.6	986.1	839.5	468.3	226.7	181.9	175.8	171.7	167.0	166.3
25°	1104.2	1074.3	1012.6	743.8	306.8	178.5	170.3	163.6	156.1	148.6	146.6
27.5°	1146.3	1107.6	1032.9	601.3	196.8	160.8	155.4	143.9	133.7	125.6	124.2
30°	1196.5	1147.0	1041.8	439.8	154.7	141.8	133.7	121.5	109.3	101.1	98.4
32.5°	1263.7	1209.4	1028.2	286.4	137.1	124.9	112.0	97.7	85.5	76.7	75.3
35°	1368.2	1303.7	965.7	182.6	124.2	107.9	92.3	77.4	67.2	60.4	59.0
37.5°	1495.8	1436.1	863.3	137.1	111.3	93.7	75.3	61.1	53.6	48.9	47.5
40°	1685.1	1601.7	736.4	120.1	98.4	79.4	61.8	50.2	44.8	40.7	39.4
42.5°	1930.8	1797.1	590.4	109.3	86.2	66.5	50.2	41.4	36.6	33.9	33.3
45°	2217.9	1987.8	436.4	98.4	74.7	55.0	41.4	33.9	30.5	28.5	27.8
47.5°	2511.8	2154.8	301.3	86.9	63.8	45.5	34.6	29.2	26.5	23.8	23.1
50°	2825.3	2295.9	205.6	75.3	54.3	37.3	29.9	26.5	23.1	21.0	20.4
52.5°	3055.4	2348.2	143.2	65.2	46.1	31.9	26.5	23.8	21.0	18.3	17.6
55°	3267.8	2346.8	108.6	55.0	39.4	27.8	23.8	21.0	18.3	16.3	15.6
57.5°	3479.5	2328.5	85.5	46.8	33.9	25.1	21.0	18.3	17.0	14.3	13.6
60°	3616.6	2259.3	66.5	39.4	29.2	21.7	18.3	16.3	14.3	12.2	11.5
62.5°	3689.3	2162.9	50.9	31.2	23.8	19.0	16.3	14.3	12.2	10.2	9.5
65°	3590.8	1991.9	40.0	24.4	18.3	16.3	13.6	11.5	9.5	7.5	6.8
67.5°	3154.5	1679.7	31.2	19.7	14.3	12.2	11.5	9.5	6.8	5.4	4.8
70°	2229.4	1150.3	24.4	14.9	10.9	9.5	8.8	7.5	5.4	4.1	3.4
72.5°	1223.6	580.3	17.6	10.9	8.1	7.5	6.8	6.1	4.8	3.4	3.4
75°	471.0	159.5	12.9	7.5	5.4	5.4	4.8	4.8	4.1	2.7	2.7
77.5°	122.8	47.5	8.1	4.8	3.4	3.4	3.4	2.7	2.7	2.0	2.0
80°	39.4	15.6	4.8	3.4	2.7	2.0	2.0	1.4	2.0	1.4	1.4
82.5°	12.9	5.4	2.7	2.7	2.0	1.4	1.4	0.7	0.7	0.0	0.0
85°	4.8	2.7	2.0	1.4	1.4	1.4	0.7	0.0	0.0	0.0	0.0
87.5°	2.7	1.4	1.4	1.4	1.4	0.7	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)