

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: P630953

Luminaire Tested: GWS-SA1E-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630953  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-760-U-T2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

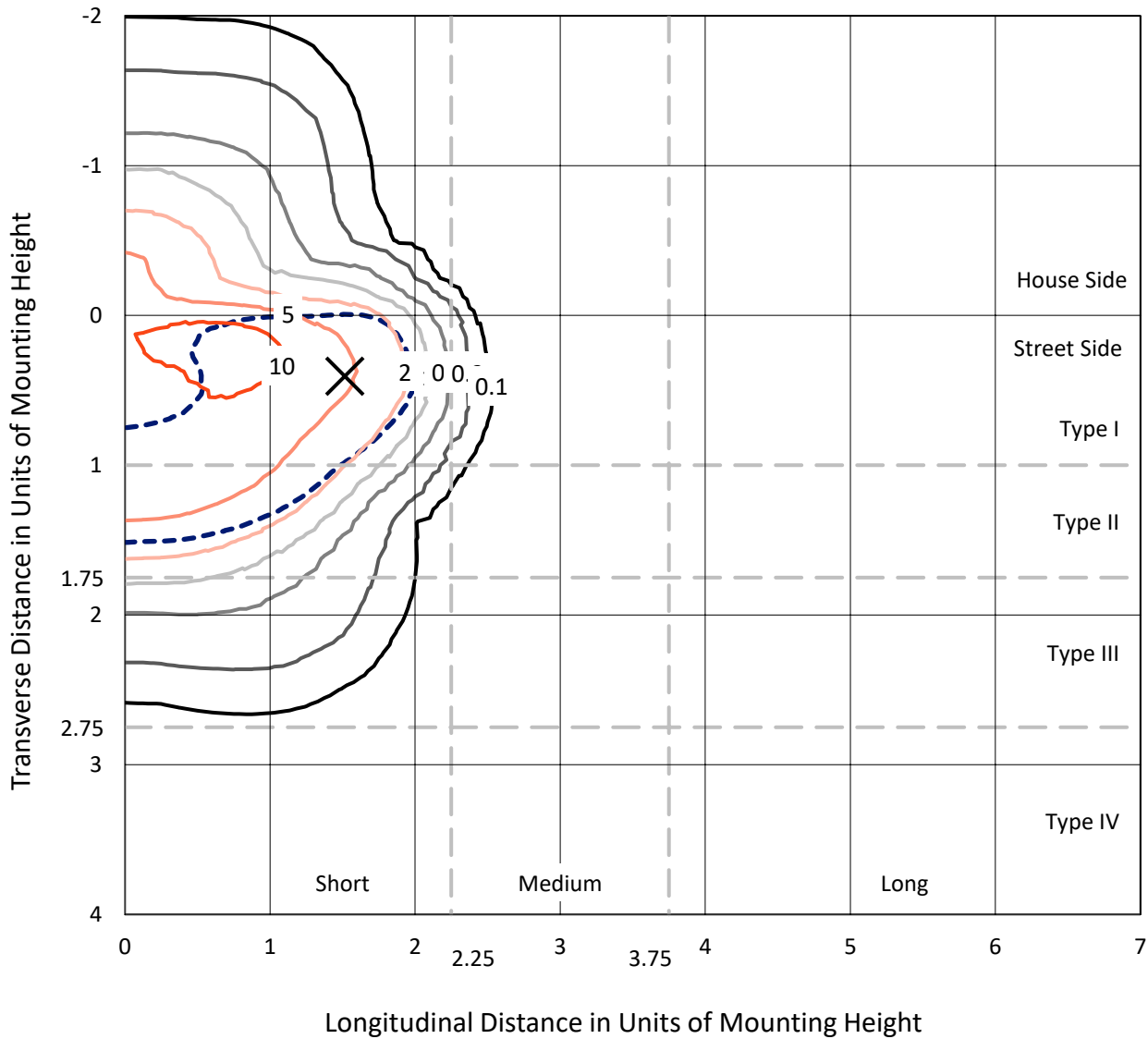
Lumens per Lamp: N/A  
Luminaire Lumens: 4541.1 lumens  
Efficiency: N/A  
Efficacy: 77.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

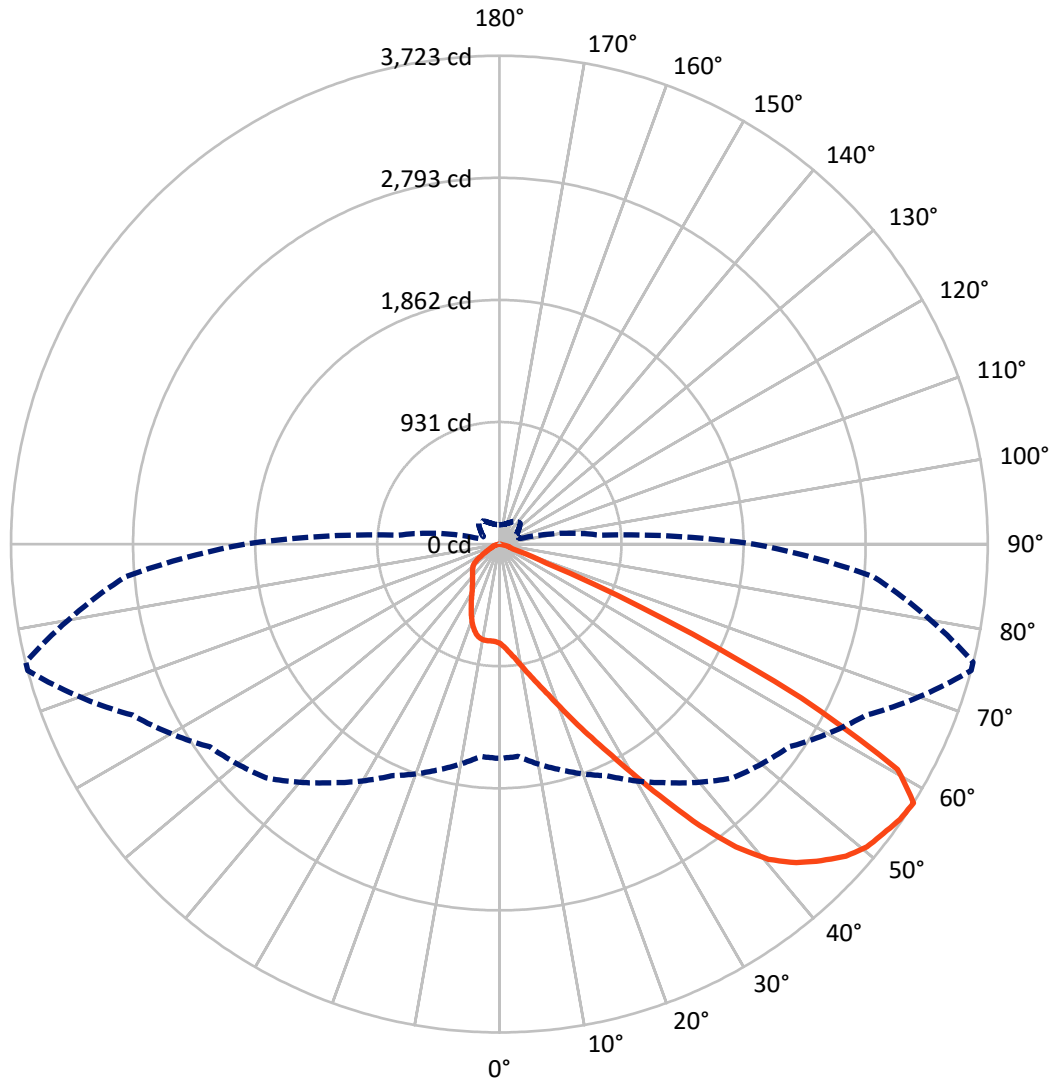
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	741.8	0.0	741.8
	% Fixture	16.3	0.0	16.3
<b>Street Side</b>	Lumens	3799.3	0.0	3799.3
	% Fixture	83.7	0.0	83.7
<b>Total</b>	Lumens	4541.1	0.0	4541.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.1	1.7
10°-20°	250.4	5.5
20°-30°	458.5	10.1
30°-40°	760.6	16.8
40°-50°	1161.7	25.6
50°-60°	1305.3	28.7
60°-70°	481.5	10.6
70°-80°	46.0	1.0
80°-90°	0.0	0.0
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°	4541.1	100.0
0°-180°	4541.1	100.0

**Coefficient of Utilization**



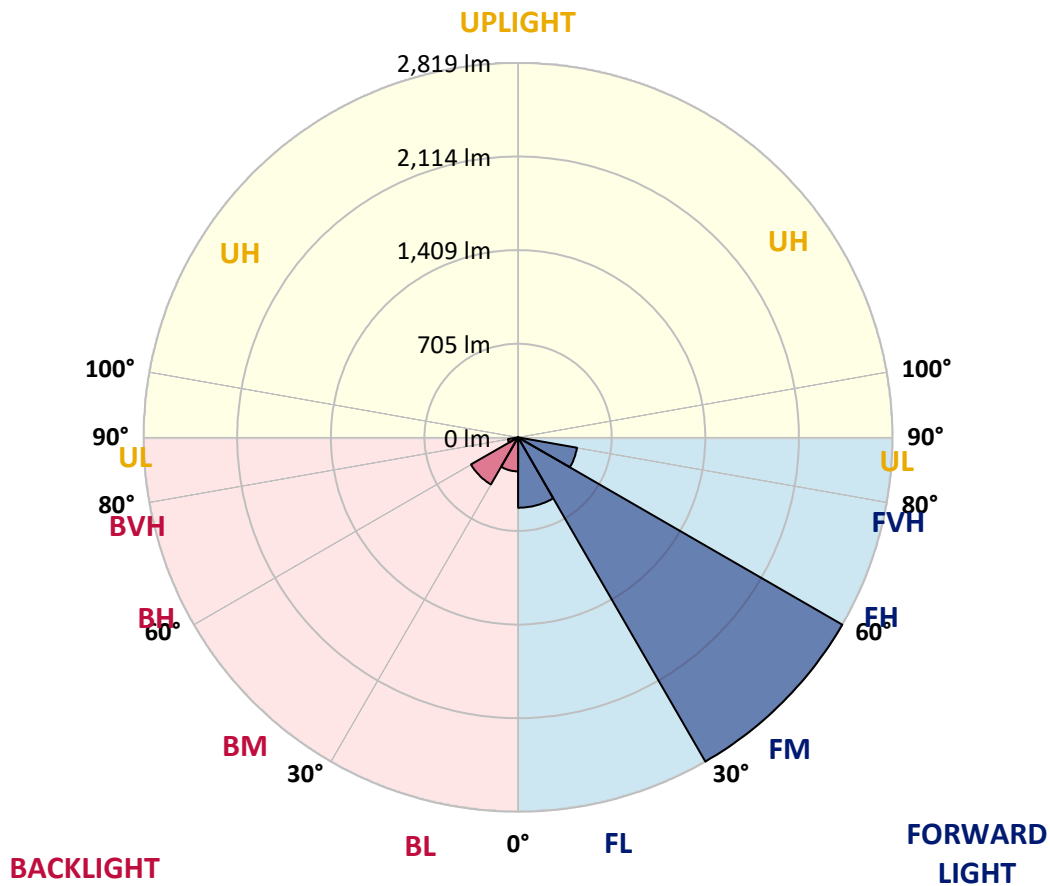
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	529.9	11.7			
FM (30°-60°)	2818.9	62.1			
FH (60°-80°)	450.5	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	256.0	5.6	B1/500		
BM (30°-60°)	408.8	9.0	B1/1000		
BH (60°-80°)	77.0	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	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°	846.2	854.9	852.2	846.7	843.4	831.9	824.8	804.0	789.2	787.5	773.8
5°	953.0	951.4	949.2	942.6	937.1	919.1	897.7	862.6	831.4	827.5	798.5
7.5°	1011.7	1012.8	1013.9	1012.8	1008.9	995.2	971.7	930.6	882.9	879.6	833.6
10°	1035.8	1038.0	1043.5	1053.9	1063.2	1062.1	1048.4	1006.2	947.6	942.1	880.2
12.5°	1047.3	1050.0	1058.8	1078.5	1103.8	1123.5	1125.7	1087.9	1023.2	1014.4	935.5
15°	1063.2	1065.9	1076.9	1102.7	1139.4	1178.3	1203.5	1179.4	1107.0	1097.7	996.3
17.5°	1070.3	1074.2	1090.1	1124.0	1171.7	1231.4	1288.4	1286.3	1206.2	1199.1	1067.0
20°	1084.0	1086.8	1101.0	1137.7	1195.3	1281.3	1377.2	1411.8	1327.4	1316.9	1152.5
22.5°	1127.3	1128.4	1135.0	1158.0	1211.7	1317.5	1467.7	1558.1	1470.4	1456.7	1248.4
25°	1198.0	1197.5	1200.2	1204.0	1243.5	1354.2	1554.8	1723.0	1634.3	1619.5	1356.9
27.5°	1287.9	1287.9	1294.5	1283.5	1299.4	1399.7	1640.8	1912.7	1825.0	1804.2	1475.9
30°	1393.7	1393.1	1408.5	1390.9	1395.9	1471.5	1733.5	2119.3	2055.2	2029.4	1612.9
32.5°	1537.3	1534.0	1551.5	1527.4	1510.9	1580.0	1846.3	2335.2	2330.8	2291.4	1785.0
35°	1718.7	1713.2	1718.7	1695.1	1665.5	1731.8	1994.3	2550.6	2636.6	2595.0	1989.9
37.5°	1899.0	1916.5	1922.5	1882.0	1857.9	1924.2	2172.4	2743.5	2928.7	2885.4	2203.1
40°	2111.6	2106.1	2126.9	2081.5	2066.1	2139.6	2346.7	2887.1	3160.0	3118.9	2392.7
42.5°	2268.3	2278.2	2304.0	2278.8	2266.7	2335.7	2493.0	2970.9	3320.6	3280.0	2528.1
45°	2456.3	2463.4	2473.3	2452.5	2439.9	2507.8	2598.8	3007.6	3442.8	3398.9	2619.1
47.5°	2659.6	2665.1	2665.1	2622.4	2581.8	2609.8	2669.5	3028.5	3555.1	3512.9	2686.5
50°	2805.4	2808.2	2832.3	2802.1	2713.9	2670.6	2701.8	3048.8	3629.7	3590.2	2708.4
52.5°	2676.1	2672.8	2752.3	2814.7	2838.3	2752.3	2757.7	3078.3	3665.8	3631.9	2726.0
55°	2253.5	2248.1	2359.9	2511.7	2719.4	2829.5	2825.1	3095.9	3705.9	3685.0	2789.5
57.5°	1633.7	1624.4	1780.0	1948.8	2221.2	2519.9	2695.3	3086.0	3723.4	3721.7	2863.5
60°	982.1	974.4	1121.3	1298.9	1509.3	1809.6	2100.6	2764.3	3488.8	3492.1	2671.2
62.5°	604.5	611.6	744.2	834.7	913.0	1003.5	1171.7	1859.5	2584.6	2605.9	1877.0
65°	406.6	412.1	534.9	648.9	648.9	530.5	455.4	888.9	1378.9	1342.7	887.8
67.5°	272.9	279.0	376.0	509.1	528.3	369.9	184.7	265.3	384.2	372.7	219.8
70°	160.6	167.2	250.5	349.1	384.7	257.6	123.3	112.3	109.1	105.8	85.5
72.5°	71.8	74.5	127.7	177.6	162.2	108.5	87.1	89.9	84.9	83.3	69.6
75°	21.9	23.0	32.9	38.4	38.9	38.9	52.6	70.7	66.9	67.4	53.7
77.5°	5.5	5.5	8.8	8.2	4.4	3.8	9.9	15.9	16.4	14.8	11.0
80°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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



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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°	767.8	753.6	744.2	731.1	721.8	711.9	703.1	696.0	692.2	691.1	691.6
5°	785.3	762.9	741.0	715.7	698.2	681.8	668.6	658.2	653.3	651.6	651.6
7.5°	812.2	781.0	742.0	702.6	673.0	647.2	631.9	620.4	616.0	614.9	611.6
10°	847.3	804.5	740.4	679.0	637.4	610.5	599.6	596.3	597.9	598.5	597.9
12.5°	889.5	829.2	730.0	644.5	599.6	583.1	584.2	593.0	602.8	607.8	608.9
15°	934.4	851.7	706.4	603.4	567.2	566.7	582.6	602.8	622.0	630.2	632.4
17.5°	984.8	869.7	670.3	559.5	539.3	555.2	583.7	614.9	640.7	654.4	657.1
20°	1040.2	884.5	624.2	518.4	514.6	543.1	582.6	620.9	652.7	668.1	670.8
22.5°	1097.7	895.0	571.1	480.6	492.1	529.4	572.2	609.4	639.6	657.1	659.3
25°	1163.5	896.0	516.8	448.8	471.3	510.8	546.9	577.6	602.8	618.2	619.8
27.5°	1221.0	882.9	468.6	423.1	452.1	487.8	511.9	528.9	546.4	555.2	555.7
30°	1287.3	859.9	423.1	402.3	432.4	459.3	471.3	475.2	476.8	478.4	476.2
32.5°	1366.3	831.9	389.1	382.0	409.9	428.0	431.3	423.6	414.3	401.2	397.9
35°	1463.3	806.7	361.2	362.3	385.3	396.2	393.5	377.1	359.0	343.1	340.3
37.5°	1568.5	785.3	339.8	343.1	358.4	366.1	357.9	339.8	331.6	317.9	318.4
40°	1661.7	767.8	320.6	323.9	331.0	338.1	325.0	312.9	328.3	327.2	328.3
42.5°	1728.0	753.0	304.2	302.5	307.5	312.4	302.5	296.5	322.2	315.1	319.0
45°	1766.9	739.3	290.5	280.6	288.3	297.0	290.5	282.8	291.6	258.7	255.9
47.5°	1793.2	731.6	278.4	259.2	272.9	288.3	274.6	255.9	243.3	214.8	212.6
50°	1795.9	727.8	264.2	237.3	254.8	271.3	255.4	229.6	211.5	198.9	197.3
52.5°	1810.2	735.5	244.4	209.4	228.5	254.8	243.9	218.1	193.5	182.5	180.3
55°	1873.8	767.8	211.5	171.0	198.9	242.2	234.6	194.6	171.0	164.4	162.8
57.5°	1939.5	774.4	166.6	135.4	173.2	224.1	214.3	179.2	156.2	148.5	146.9
60°	1773.5	637.9	125.0	111.8	152.9	207.2	198.4	169.9	143.0	133.7	132.1
62.5°	1165.1	344.7	99.2	94.8	128.8	175.4	180.9	153.5	127.7	117.8	117.3
65°	537.1	160.0	76.2	75.1	100.8	139.8	155.6	134.3	108.0	99.2	99.2
67.5°	146.3	79.5	59.7	55.4	68.5	93.7	113.4	100.3	76.7	66.3	65.8
70°	72.9	64.1	53.7	47.7	49.3	58.1	66.9	55.9	38.9	31.8	31.2
72.5°	59.7	52.6	45.5	40.6	37.3	35.6	34.5	28.0	18.1	13.7	13.2
75°	44.4	37.8	32.3	26.3	22.5	20.8	18.6	13.7	7.7	4.4	3.8
77.5°	9.9	9.3	8.8	6.6	6.0	4.9	3.8	2.7	1.1	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)