

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: P631393

Luminaire Tested: GWS-SA1F-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631393
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-SA1F-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5119.1 lumens
Efficiency: N/A
Efficacy: 76.2 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

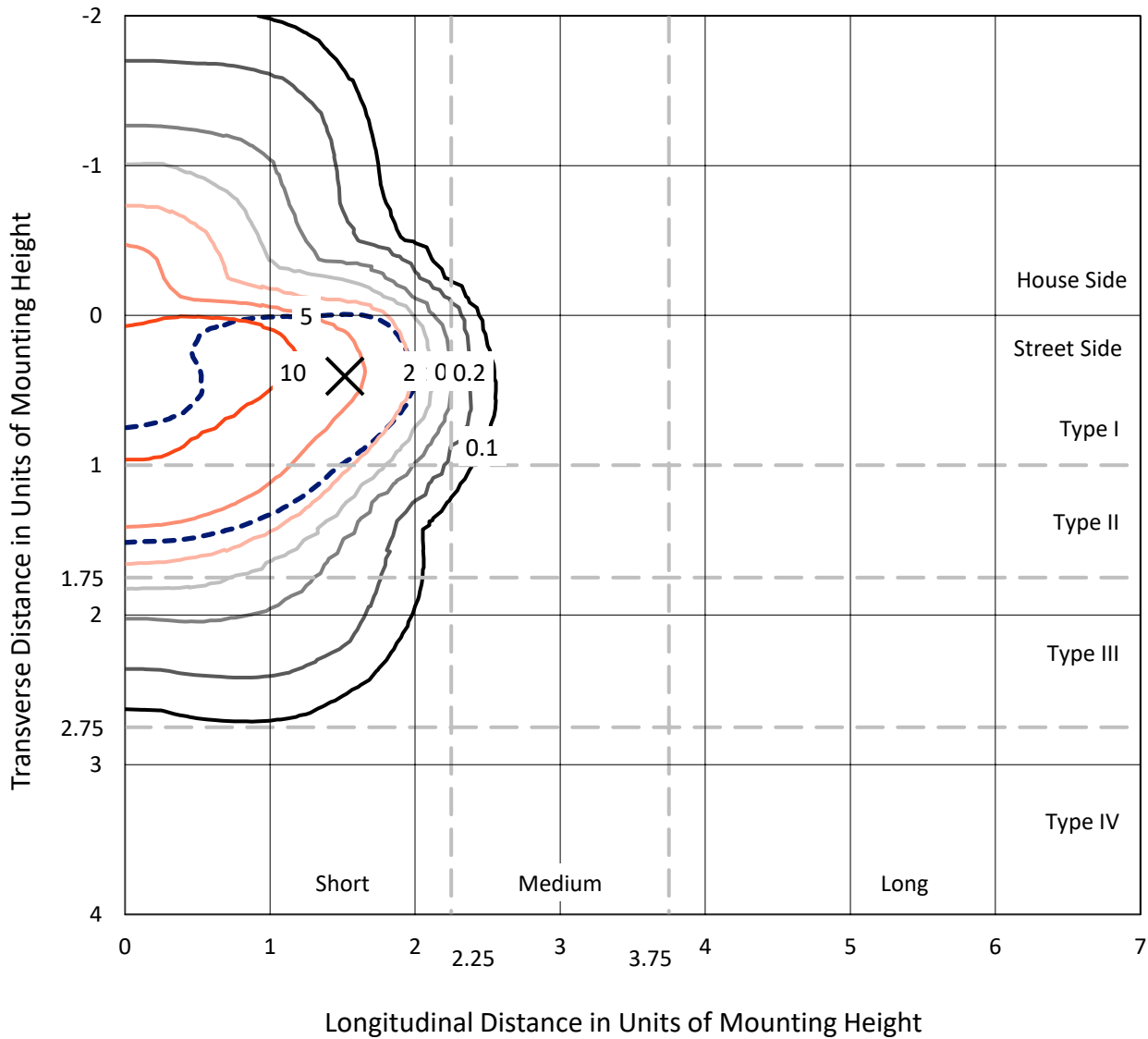
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

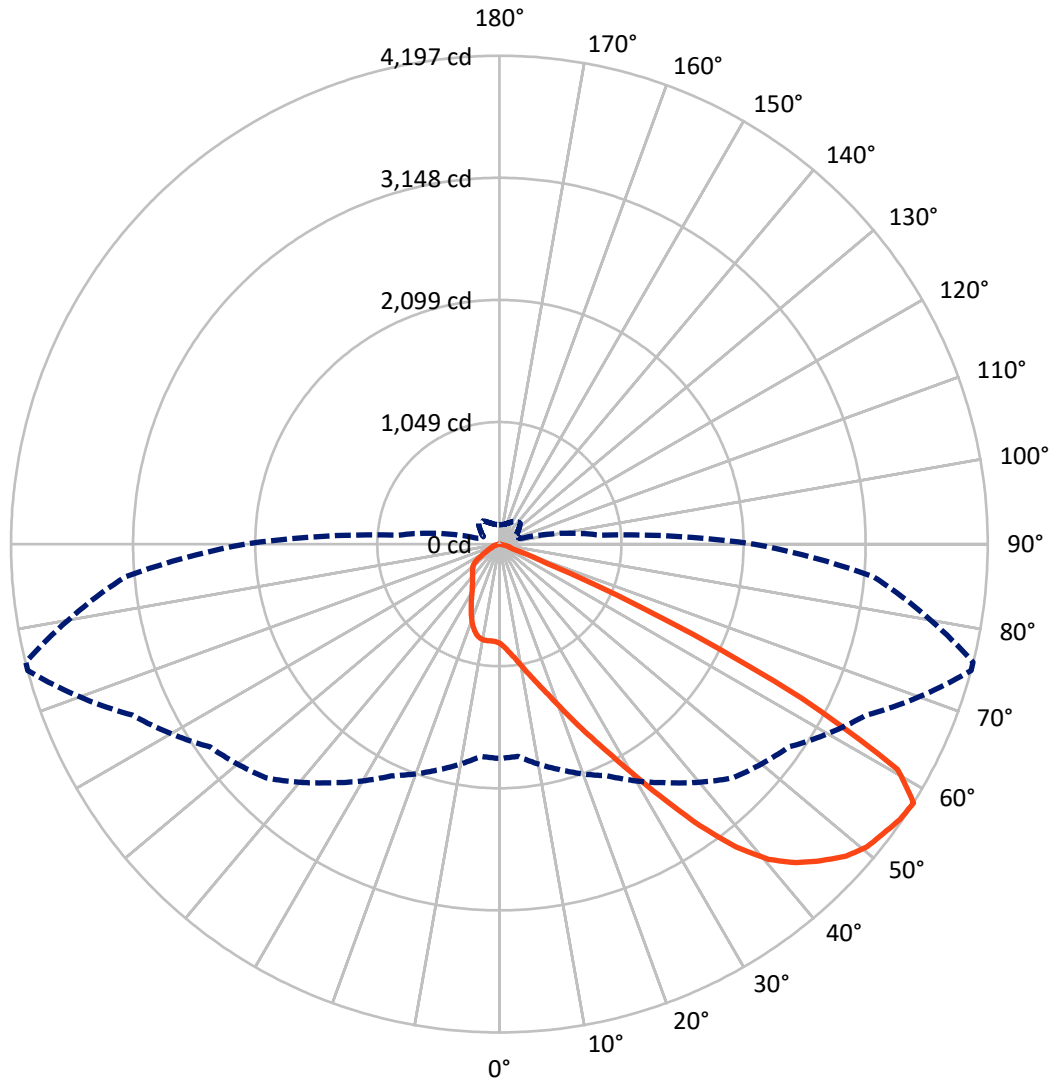
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16 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
House Side	Lumens	836.2	0.0	836.2
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	4282.9	0.0	4282.9
	% Fixture	83.7	0.0	83.7
Total	Lumens	5119.1	0.0	5119.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	1.7
10°-20°	282.2	5.5
20°-30°	516.8	10.1
30°-40°	857.5	16.8
40°-50°	1309.5	25.6
50°-60°	1471.5	28.7
60°-70°	542.8	10.6
70°-80°	51.9	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°	5119.1	100.0
0°-180°	5119.1	100.0

Coefficient of Utilization



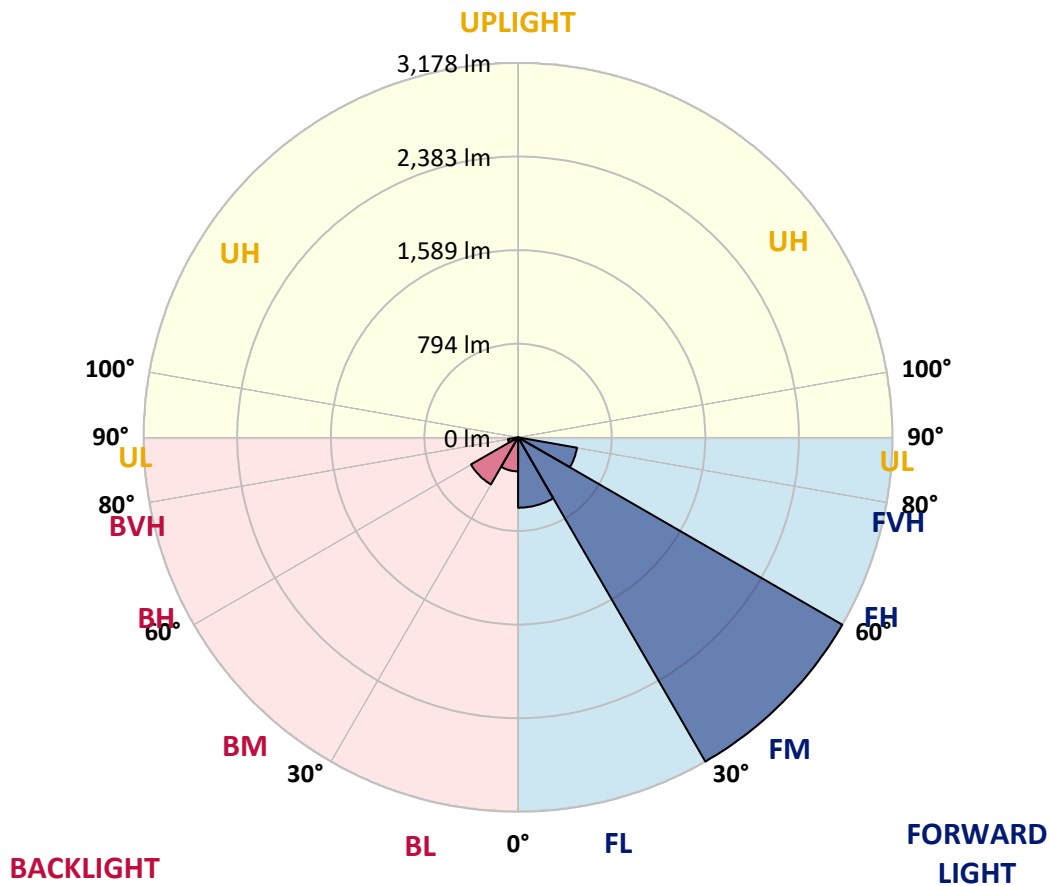
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	597.4	11.7			
FM (30°-60°)	3177.7	62.1			
FH (60°-80°)	507.8	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	288.5	5.6	B1/500		
BM (30°-60°)	460.8	9.0	B1/1000		
BH (60°-80°)	86.8	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°	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8
2.5°	953.9	963.8	960.7	954.5	950.8	937.8	929.8	906.3	889.6	887.8	872.3
5°	1074.3	1072.5	1070.0	1062.6	1056.4	1036.0	1012.0	972.4	937.2	932.9	900.1
7.5°	1140.5	1141.7	1142.9	1141.7	1137.4	1121.9	1095.4	1049.0	995.3	991.6	939.7
10°	1167.6	1170.1	1176.3	1188.0	1198.5	1197.3	1181.8	1134.3	1068.2	1062.0	992.2
12.5°	1180.6	1183.7	1193.6	1215.8	1244.2	1266.5	1269.0	1226.3	1153.4	1143.5	1054.6
15°	1198.5	1201.6	1214.0	1243.0	1284.4	1328.3	1356.7	1329.5	1247.9	1237.4	1123.2
17.5°	1206.6	1210.9	1228.8	1267.1	1320.8	1388.2	1452.4	1450.0	1359.8	1351.7	1202.8
20°	1222.0	1225.1	1241.2	1282.5	1347.4	1444.4	1552.5	1591.4	1496.3	1484.6	1299.2
22.5°	1270.8	1272.0	1279.5	1305.4	1365.9	1485.2	1654.5	1756.4	1657.5	1642.1	1407.3
25°	1350.5	1349.9	1353.0	1357.3	1401.8	1526.6	1752.7	1942.4	1842.3	1825.6	1529.7
27.5°	1451.8	1451.8	1459.2	1446.9	1464.8	1577.9	1849.7	2156.1	2057.3	2033.8	1663.7
30°	1571.1	1570.4	1587.7	1568.0	1573.5	1658.8	1954.1	2389.0	2316.7	2287.7	1818.2
32.5°	1732.9	1729.2	1749.0	1721.8	1703.3	1781.1	2081.4	2632.4	2627.5	2583.0	2012.2
35°	1937.4	1931.2	1937.4	1910.8	1877.5	1952.2	2248.2	2875.2	2972.2	2925.3	2243.2
37.5°	2140.7	2160.4	2167.2	2121.5	2094.3	2169.1	2448.9	3092.7	3301.5	3252.7	2483.5
40°	2380.4	2374.2	2397.7	2346.4	2329.1	2411.9	2645.4	3254.6	3562.2	3515.9	2697.3
42.5°	2557.1	2568.2	2597.2	2568.8	2555.2	2633.0	2810.4	3349.1	3743.2	3697.5	2849.9
45°	2769.0	2777.0	2788.1	2764.6	2750.4	2827.0	2929.6	3390.5	3881.0	3831.6	2952.4
47.5°	2998.2	3004.3	3004.3	2956.2	2910.4	2941.9	3009.3	3413.9	4007.6	3960.1	3028.4
50°	3162.5	3165.6	3192.8	3158.8	3059.3	3010.5	3045.7	3436.8	4091.7	4047.2	3053.1
52.5°	3016.7	3013.0	3102.6	3173.0	3199.6	3102.6	3108.8	3470.2	4132.4	4094.1	3072.9
55°	2540.4	2534.2	2660.2	2831.4	3065.5	3189.7	3184.7	3489.9	4177.5	4154.1	3144.6
57.5°	1841.7	1831.1	2006.6	2196.9	2503.9	2840.6	3038.3	3478.8	4197.3	4195.5	3228.0
60°	1107.1	1098.4	1264.0	1464.2	1701.4	2040.0	2368.0	3116.2	3932.9	3936.6	3011.1
62.5°	681.4	689.5	839.0	940.9	1029.2	1131.2	1320.8	2096.2	2913.5	2937.6	2116.0
65°	458.4	464.6	603.0	731.5	731.5	598.0	513.4	1002.1	1554.4	1513.6	1000.8
67.5°	307.7	314.5	423.8	573.9	595.6	417.0	208.2	299.0	433.1	420.1	247.7
70°	181.0	188.4	282.3	393.5	433.7	290.4	139.0	126.6	122.9	119.2	96.4
72.5°	80.9	84.0	143.9	200.2	182.9	122.3	98.2	101.3	95.8	93.9	78.5
75°	24.7	25.9	37.1	43.2	43.9	43.9	59.3	79.7	75.4	76.0	60.5
77.5°	6.2	6.2	9.9	9.3	4.9	4.3	11.1	17.9	18.5	16.7	12.4
80°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
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°	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8
2.5°	865.5	849.5	839.0	824.1	813.6	802.5	792.6	784.6	780.3	779.0	779.7
5°	885.3	860.0	835.3	806.8	787.1	768.5	753.7	742.0	736.4	734.6	734.6
7.5°	915.6	880.4	836.5	792.0	758.7	729.6	712.3	699.3	694.4	693.2	689.5
10°	955.1	906.9	834.6	765.4	718.5	688.2	675.9	672.2	674.0	674.6	674.0
12.5°	1002.7	934.7	822.9	726.5	675.9	657.3	658.6	668.5	679.6	685.1	686.4
15°	1053.3	960.1	796.3	680.2	639.4	638.8	656.7	679.6	701.2	710.5	712.9
17.5°	1110.2	980.4	755.6	630.8	607.9	625.8	658.0	693.2	722.2	737.6	740.7
20°	1172.6	997.1	703.7	584.4	580.1	612.2	656.7	700.0	735.8	753.1	756.2
22.5°	1237.4	1008.9	643.7	541.8	554.8	596.8	645.0	687.0	721.0	740.7	743.2
25°	1311.6	1010.1	582.6	506.0	531.3	575.8	616.6	651.2	679.6	696.9	698.7
27.5°	1376.5	995.3	528.2	476.9	509.7	549.8	577.0	596.2	615.9	625.8	626.4
30°	1451.2	969.3	476.9	453.5	487.4	517.7	531.3	535.6	537.5	539.3	536.9
32.5°	1540.2	937.8	438.6	430.6	462.1	482.5	486.2	477.6	467.1	452.2	448.5
35°	1649.5	909.4	407.1	408.4	434.3	446.7	443.6	425.0	404.7	386.7	383.7
37.5°	1768.1	885.3	383.0	386.7	404.0	412.7	403.4	383.0	373.8	358.3	358.9
40°	1873.2	865.5	361.4	365.1	373.1	381.2	366.4	352.8	370.1	368.8	370.1
42.5°	1947.9	848.9	342.9	341.0	346.6	352.1	341.0	334.2	363.3	355.2	359.6
45°	1991.8	833.4	327.4	316.3	325.0	334.8	327.4	318.8	328.7	291.6	288.5
47.5°	2021.4	824.8	313.8	292.2	307.7	325.0	309.5	288.5	274.3	242.2	239.7
50°	2024.5	820.4	297.8	267.5	287.3	305.8	287.9	258.9	238.5	224.3	222.4
52.5°	2040.6	829.1	275.5	236.0	257.6	287.3	274.9	245.9	218.1	205.7	203.3
55°	2112.2	865.5	238.5	192.8	224.3	273.1	264.4	219.3	192.8	185.3	183.5
57.5°	2186.4	872.9	187.8	152.6	195.2	252.7	241.6	202.0	176.1	167.4	165.6
60°	1999.2	719.1	140.9	126.0	172.4	233.5	223.6	191.5	161.2	150.7	148.9
62.5°	1313.4	388.6	111.8	106.9	145.2	197.7	203.9	173.0	143.9	132.8	132.2
65°	605.4	180.4	85.9	84.6	113.7	157.5	175.5	151.4	121.7	111.8	111.8
67.5°	165.0	89.6	67.3	62.4	77.2	105.6	127.9	113.1	86.5	74.8	74.1
70°	82.2	72.3	60.5	53.7	55.6	65.5	75.4	63.0	43.9	35.8	35.2
72.5°	67.3	59.3	51.3	45.7	42.0	40.2	38.9	31.5	20.4	15.4	14.8
75°	50.0	42.6	36.4	29.7	25.3	23.5	21.0	15.4	8.6	4.9	4.3
77.5°	11.1	10.5	9.9	7.4	6.8	5.6	4.3	3.1	1.2	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	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)