

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: P631448

Luminaire Tested: GWS-SA1F-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631448
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-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: 5048.9 lumens
Efficiency: N/A
Efficacy: 75.1 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

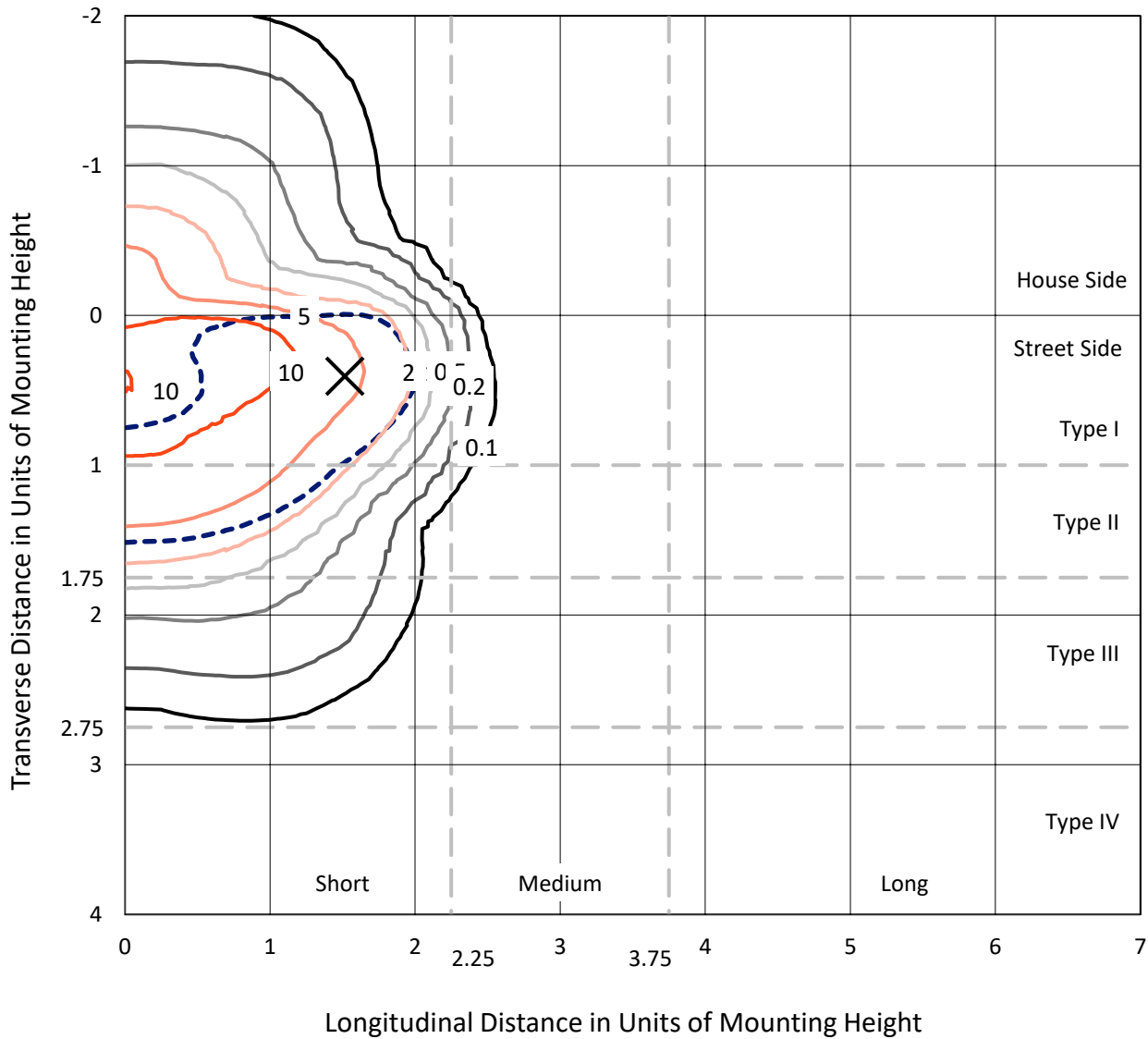
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

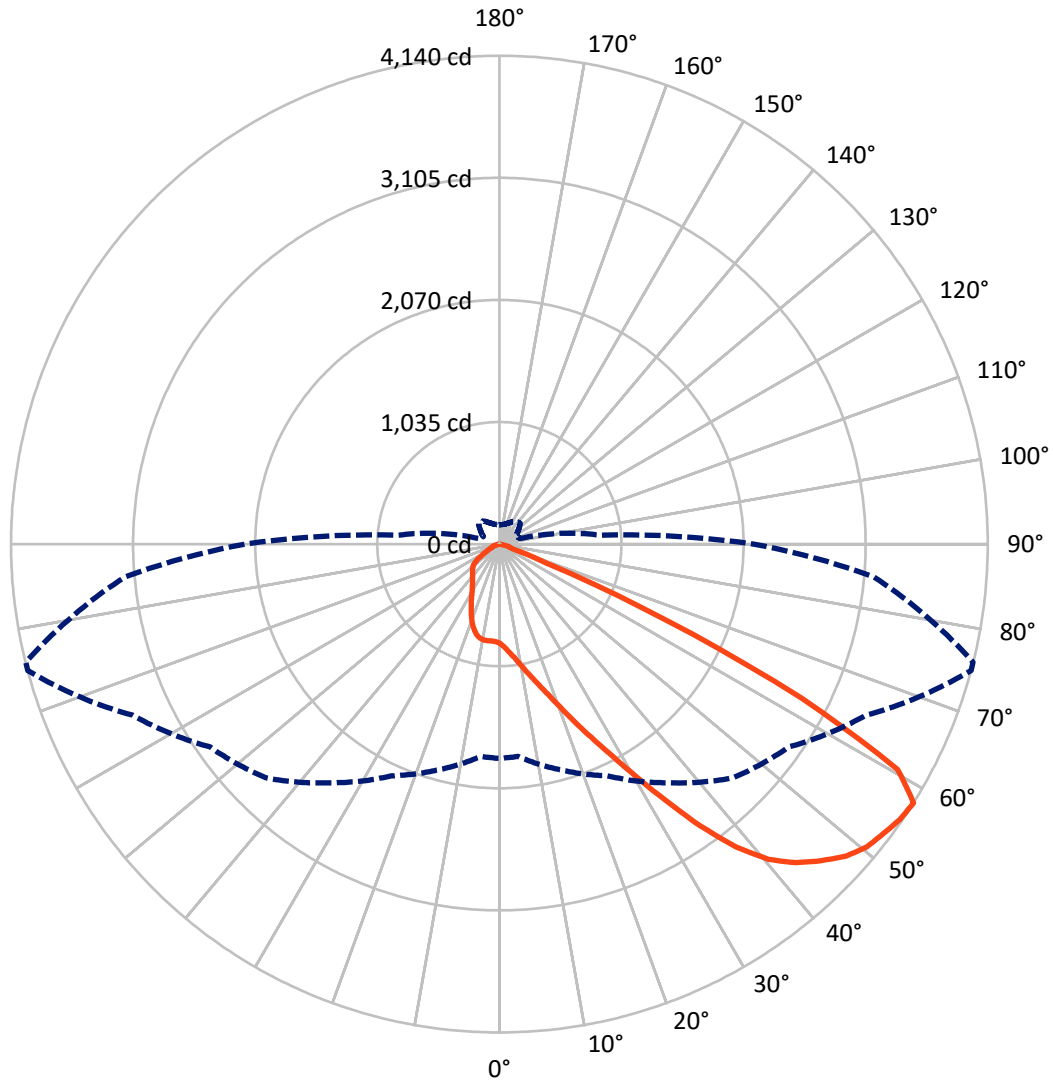
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.7 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	824.7	0.0	824.7
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	4224.2	0.0	4224.2
	% Fixture	83.7	0.0	83.7
Total	Lumens	5048.9	0.0	5048.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	1.7
10°-20°	278.4	5.5
20°-30°	509.7	10.1
30°-40°	845.7	16.8
40°-50°	1291.6	25.6
50°-60°	1451.3	28.7
60°-70°	535.3	10.6
70°-80°	51.2	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°	5048.9	100.0
0°-180°	5048.9	100.0

Coefficient of Utilization



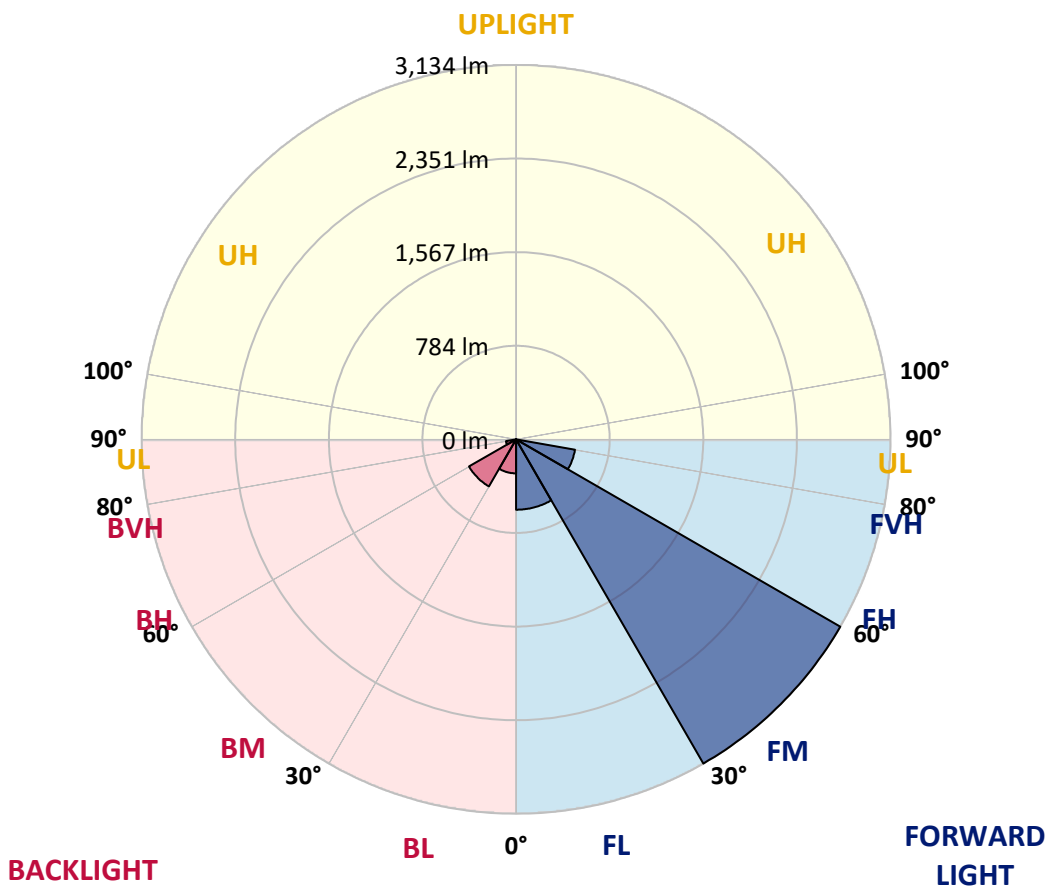
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	589.2	11.7			
FM (30°-60°)	3134.1	62.1			
FH (60°-80°)	500.8	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	284.6	5.6	B1/500		
BM (30°-60°)	454.5	9.0	B1/1000		
BH (60°-80°)	85.6	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°	842.1	842.1	842.1	842.1	842.1	842.1	842.1	842.1	842.1	842.1	842.1
2.5°	940.8	950.5	947.5	941.4	937.8	925.0	917.0	893.9	877.4	875.6	860.4
5°	1059.6	1057.8	1055.3	1048.0	1041.9	1021.8	998.1	959.1	924.3	920.1	887.8
7.5°	1124.8	1126.0	1127.3	1126.0	1121.8	1106.5	1080.3	1034.6	981.6	978.0	926.8
10°	1151.6	1154.1	1160.2	1171.7	1182.1	1180.9	1165.6	1118.7	1053.5	1047.4	978.6
12.5°	1164.4	1167.5	1177.2	1199.2	1227.2	1249.1	1251.6	1209.5	1137.6	1127.9	1040.1
15°	1182.1	1185.1	1197.3	1226.0	1266.8	1310.0	1338.1	1311.3	1230.8	1220.5	1107.8
17.5°	1190.0	1194.3	1211.9	1249.7	1302.7	1369.2	1432.5	1430.1	1341.1	1333.2	1186.4
20°	1205.2	1208.3	1224.1	1265.0	1328.9	1424.6	1531.2	1569.6	1475.8	1464.2	1281.4
22.5°	1253.4	1254.6	1261.9	1287.5	1347.2	1464.8	1631.8	1732.3	1634.8	1619.6	1388.0
25°	1332.0	1331.4	1334.4	1338.7	1382.6	1505.6	1728.7	1915.7	1817.0	1800.6	1508.7
27.5°	1431.9	1431.9	1439.2	1427.0	1444.7	1556.2	1824.3	2126.5	2029.1	2005.9	1640.9
30°	1549.5	1548.9	1566.0	1546.5	1551.9	1636.0	1927.3	2356.3	2285.0	2256.3	1793.2
32.5°	1709.2	1705.5	1725.0	1698.2	1679.9	1756.7	2052.8	2596.3	2591.5	2547.6	1984.6
35°	1910.8	1904.7	1910.8	1884.6	1851.7	1925.5	2217.3	2835.8	2931.5	2885.2	2212.5
37.5°	2111.3	2130.8	2137.5	2092.4	2065.6	2139.3	2415.4	3050.3	3256.2	3208.1	2449.5
40°	2347.7	2341.6	2364.8	2314.2	2297.2	2378.8	2609.1	3209.9	3513.4	3467.7	2660.3
42.5°	2522.0	2533.0	2561.6	2533.6	2520.2	2596.9	2771.8	3303.1	3691.9	3646.8	2810.8
45°	2731.0	2738.9	2749.9	2726.7	2712.7	2788.3	2889.4	3344.0	3827.8	3779.0	2912.0
47.5°	2957.1	2963.1	2963.1	2915.6	2870.5	2901.6	2968.0	3367.1	3952.7	3905.8	2986.9
50°	3119.1	3122.2	3149.0	3115.5	3017.4	2969.2	3004.0	3389.7	4035.6	3991.7	3011.3
52.5°	2975.3	2971.7	3060.0	3129.5	3155.7	3060.0	3066.1	3422.6	4075.8	4038.0	3030.8
55°	2505.5	2499.4	2623.8	2792.5	3023.5	3145.9	3141.1	3442.1	4120.3	4097.1	3101.5
57.5°	1816.4	1806.0	1979.1	2166.8	2469.6	2801.7	2996.7	3431.1	4139.7	4137.9	3183.7
60°	1091.9	1083.4	1246.7	1444.1	1678.1	2012.0	2335.5	3073.4	3879.0	3882.6	2969.8
62.5°	672.1	680.0	827.5	928.0	1015.1	1115.7	1302.7	2067.4	2873.6	2897.3	2086.9
65°	452.1	458.2	594.7	721.4	721.4	589.8	506.3	988.3	1533.1	1492.8	987.1
67.5°	303.4	310.1	418.0	566.1	587.4	411.3	205.3	294.9	427.1	414.3	244.3
70°	178.5	185.8	278.5	388.1	427.7	286.4	137.1	124.9	121.3	117.6	95.1
72.5°	79.8	82.9	142.0	197.4	180.4	120.6	96.9	99.9	94.4	92.6	77.4
75°	24.4	25.6	36.6	42.7	43.3	43.3	58.5	78.6	74.3	74.9	59.7
77.5°	6.1	6.1	9.7	9.1	4.9	4.3	11.0	17.7	18.3	16.5	12.2
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°	842.1	842.1	842.1	842.1	842.1	842.1	842.1	842.1	842.1	842.1	842.1
2.5°	853.7	837.8	827.5	812.8	802.5	791.5	781.8	773.8	769.6	768.4	769.0
5°	873.2	848.2	823.8	795.8	776.3	758.0	743.4	731.8	726.3	724.5	724.5
7.5°	903.0	868.3	825.0	781.2	748.3	719.6	702.6	689.8	684.9	683.7	680.0
10°	942.0	894.5	823.2	755.0	708.6	678.8	666.6	662.9	664.8	665.4	664.8
12.5°	988.9	921.9	811.6	716.6	666.6	648.3	649.5	659.3	670.3	675.7	677.0
15°	1038.9	946.9	785.4	670.9	630.7	630.0	647.7	670.3	691.6	700.7	703.2
17.5°	1095.0	967.0	745.2	622.1	599.6	617.2	648.9	683.7	712.3	727.5	730.6
20°	1156.5	983.4	694.0	576.4	572.2	603.8	647.7	690.4	725.7	742.8	745.8
22.5°	1220.5	995.0	634.9	534.4	547.2	588.6	636.1	677.6	711.1	730.6	733.0
25°	1293.6	996.2	574.6	499.0	524.0	567.9	608.1	642.2	670.3	687.3	689.1
27.5°	1357.6	981.6	521.0	470.4	502.7	542.3	569.1	588.0	607.5	617.2	617.9
30°	1431.3	956.0	470.4	447.2	480.8	510.6	524.0	528.3	530.1	531.9	529.5
32.5°	1519.0	925.0	432.6	424.7	455.8	475.9	479.5	471.0	460.6	446.0	442.4
35°	1626.9	896.9	401.5	402.8	428.4	440.5	437.5	419.2	399.1	381.4	378.4
37.5°	1743.9	873.2	377.8	381.4	398.5	407.0	397.9	377.8	368.6	353.4	354.0
40°	1847.5	853.7	356.5	360.1	368.0	376.0	361.3	347.9	365.0	363.8	365.0
42.5°	1921.2	837.2	338.2	336.3	341.8	347.3	336.3	329.6	358.3	350.4	354.6
45°	1964.5	822.0	322.9	312.0	320.5	330.3	322.9	314.4	324.2	287.6	284.6
47.5°	1993.7	813.4	309.5	288.2	303.4	320.5	305.3	284.6	270.5	238.9	236.4
50°	1996.8	809.2	293.7	263.8	283.3	301.6	283.9	255.3	235.2	221.2	219.4
52.5°	2012.6	817.7	271.8	232.8	254.1	283.3	271.1	242.5	215.1	202.9	200.5
55°	2083.3	853.7	235.2	190.1	221.2	269.3	260.8	216.3	190.1	182.8	181.0
57.5°	2156.4	861.0	185.2	150.5	192.5	249.2	238.2	199.2	173.7	165.1	163.3
60°	1971.8	709.3	138.9	124.3	170.0	230.3	220.6	188.9	159.0	148.7	146.8
62.5°	1295.4	383.3	110.3	105.4	143.2	195.0	201.1	170.6	142.0	131.0	130.4
65°	597.1	177.9	84.7	83.5	112.1	155.4	173.0	149.3	120.0	110.3	110.3
67.5°	162.7	88.4	66.4	61.5	76.2	104.2	126.1	111.5	85.3	73.7	73.1
70°	81.0	71.3	59.7	53.0	54.8	64.6	74.3	62.2	43.3	35.3	34.7
72.5°	66.4	58.5	50.6	45.1	41.4	39.6	38.4	31.1	20.1	15.2	14.6
75°	49.4	42.0	36.0	29.2	25.0	23.2	20.7	15.2	8.5	4.9	4.3
77.5°	11.0	10.4	9.7	7.3	6.7	5.5	4.3	3.0	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)