

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: P629840

Luminaire Tested: GWS-SA1C-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2811.3 lumens
Efficiency: N/A
Efficacy: 82.4 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

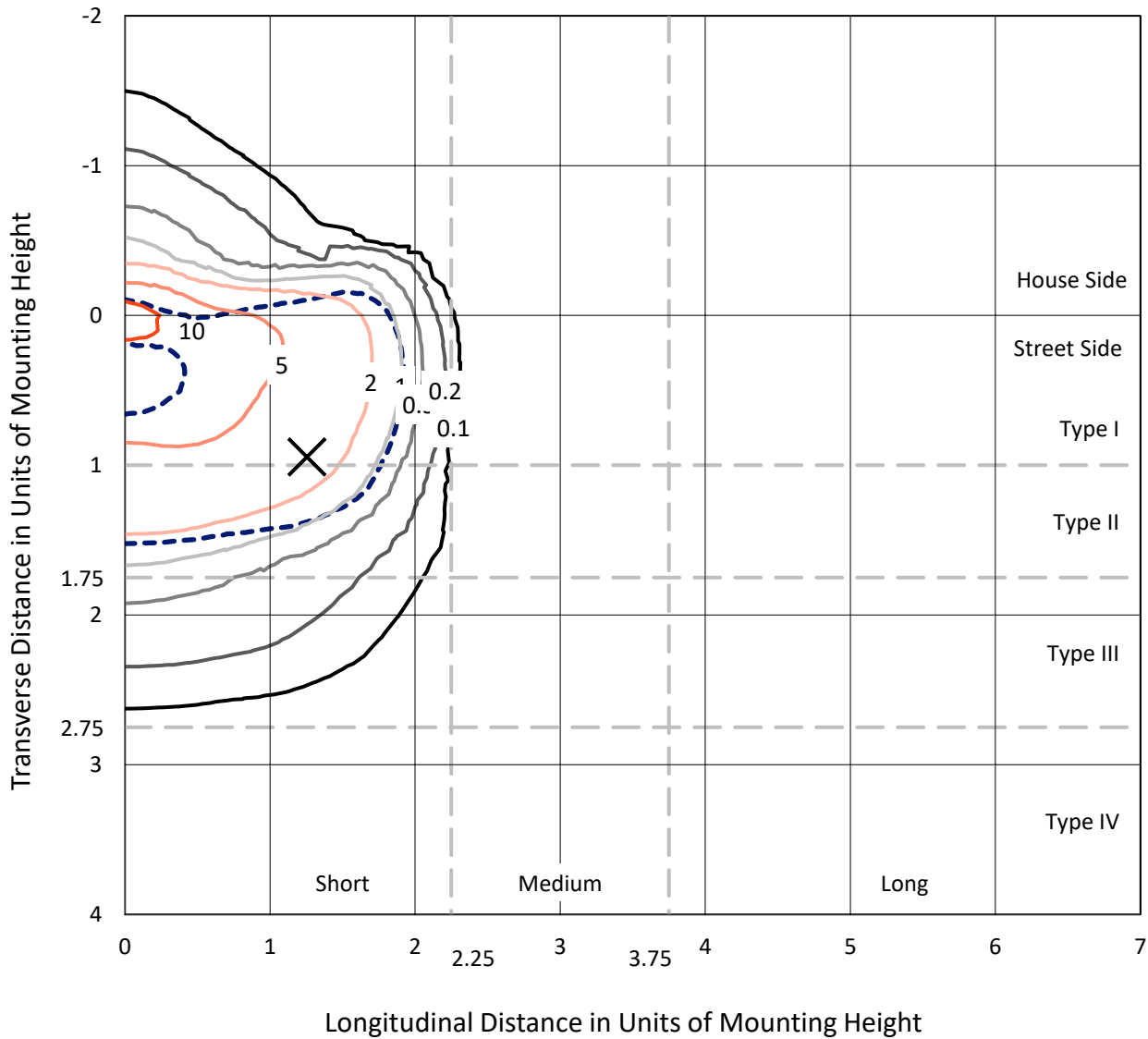
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

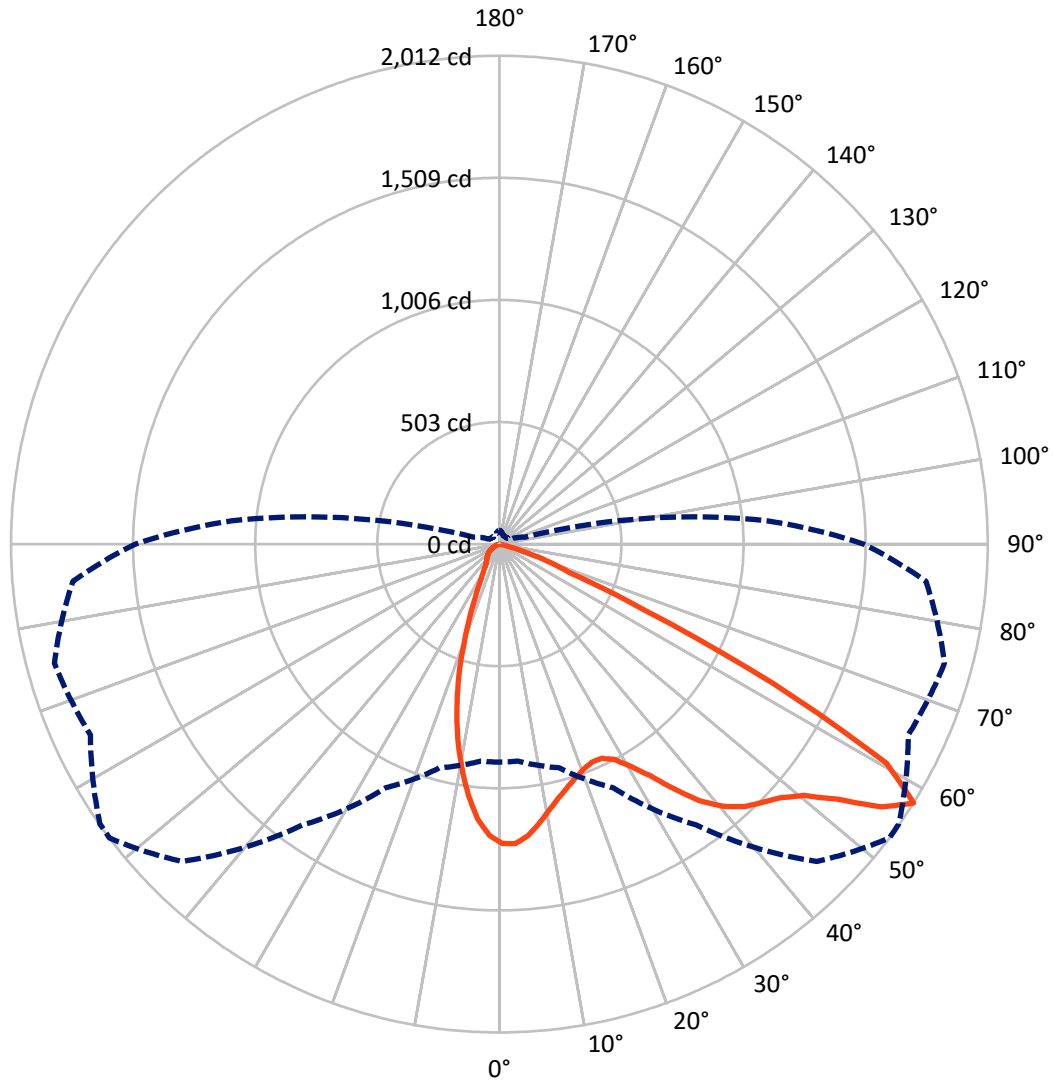
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	464.4	0.0	464.4
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	2346.9	0.0	2346.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	2811.3	0.0	2811.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	3.8
10°-20°	231.6	8.2
20°-30°	301.8	10.7
30°-40°	437.7	15.6
40°-50°	631.6	22.5
50°-60°	763.8	27.2
60°-70°	311.3	11.1
70°-80°	28.0	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°	2811.3	100.0
0°-180°	2811.3	100.0

Coefficient of Utilization

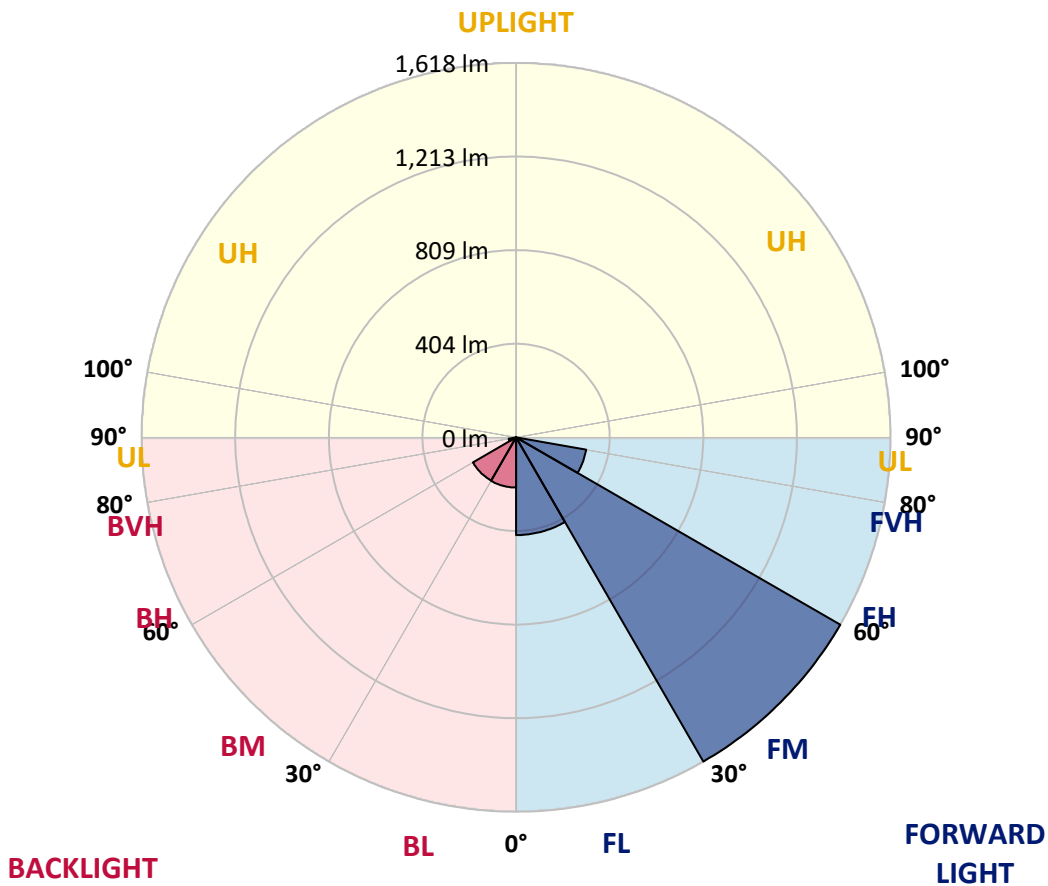


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.2	15.0			
FM (30°-60°)	1617.6	57.5			
FH (60°-80°)	307.2	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	216.7	7.7	B1/500		
BM (30°-60°)	215.5	7.7	B0/220		
BH (60°-80°)	32.1	1.1	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°	53°	55°	65°	75°	85°
0°	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2
2.5°	1216.0	1218.7	1223.5	1229.8	1233.9	1236.0	1236.0	1241.8	1238.0	1234.9	1231.5
5°	1163.9	1166.7	1173.2	1183.2	1193.2	1200.5	1208.7	1214.9	1217.3	1217.3	1211.5
7.5°	1090.5	1094.3	1098.5	1112.3	1134.0	1150.2	1164.3	1173.2	1186.3	1190.5	1182.2
10°	1011.6	1015.4	1024.7	1043.7	1068.5	1092.6	1116.7	1128.1	1150.5	1162.2	1152.9
12.5°	944.8	946.5	958.9	981.7	1013.4	1046.4	1075.7	1087.4	1119.1	1136.7	1125.7
15°	889.7	890.7	903.1	928.3	964.8	1005.4	1042.3	1054.4	1093.3	1119.8	1103.3
17.5°	848.0	848.3	859.0	886.2	924.5	969.6	1013.4	1028.2	1078.5	1110.5	1085.7
20°	827.0	825.9	833.5	857.3	893.5	938.6	990.3	1008.5	1070.2	1109.2	1072.3
22.5°	827.3	824.9	828.0	844.9	875.5	917.9	975.8	996.5	1070.9	1115.0	1060.9
25°	846.9	843.5	844.2	853.1	874.8	913.4	977.9	999.9	1084.7	1134.7	1056.8
27.5°	880.0	876.2	876.2	880.7	892.4	927.6	1003.7	1028.9	1121.6	1172.9	1065.4
30°	922.7	919.0	917.6	922.1	931.7	964.1	1061.3	1087.4	1184.6	1235.6	1093.0
32.5°	971.7	967.2	969.6	975.8	985.1	1029.9	1135.3	1170.1	1263.5	1320.0	1142.6
35°	1023.4	1019.6	1030.6	1044.0	1058.5	1121.2	1237.7	1268.0	1360.3	1425.1	1218.4
37.5°	1072.6	1070.9	1094.0	1122.2	1152.2	1230.8	1341.7	1365.2	1443.4	1539.5	1311.1
40°	1121.9	1121.6	1161.2	1210.8	1258.7	1340.0	1420.6	1439.9	1494.0	1628.4	1400.0
42.5°	1177.0	1177.0	1231.8	1298.0	1361.7	1432.4	1478.5	1487.1	1516.8	1679.8	1466.8
45°	1229.8	1232.9	1296.3	1373.1	1448.5	1504.4	1518.5	1519.2	1526.1	1710.1	1522.3
47.5°	1271.4	1274.2	1350.0	1438.6	1519.9	1559.2	1561.2	1558.1	1550.5	1739.0	1565.0
50°	1305.2	1309.3	1388.6	1482.3	1568.8	1611.9	1627.7	1624.6	1605.3	1770.0	1595.0
52.5°	1321.7	1327.6	1402.0	1504.0	1623.2	1702.1	1746.3	1753.5	1687.3	1787.3	1623.6
55°	1189.4	1198.1	1266.6	1406.2	1653.6	1841.7	1911.0	1909.6	1776.2	1838.6	1693.2
57.5°	898.3	897.6	954.4	1107.1	1412.4	1849.6	2012.3	2009.5	1859.3	1898.2	1764.5
60°	611.6	607.5	622.6	696.4	987.5	1506.8	1831.4	1868.6	1800.3	1753.5	1498.2
62.5°	503.4	499.6	494.8	474.5	567.2	938.6	1265.2	1321.7	1312.8	1218.7	939.6
65°	412.1	415.2	428.6	420.0	394.5	481.4	656.7	690.2	630.9	531.0	328.4
67.5°	303.9	305.3	322.9	368.3	354.6	320.4	309.1	314.6	184.3	84.8	54.8
70°	179.5	180.6	196.7	257.7	287.7	246.0	208.8	205.7	73.0	22.7	24.8
72.5°	101.6	99.6	102.7	122.7	156.8	130.6	107.5	97.9	22.1	12.7	12.7
75°	48.2	46.9	40.3	37.9	34.5	22.1	13.8	11.7	5.5	5.2	5.2
77.5°	0.3	1.0	0.7	1.0	1.0	0.7	0.3	0.3	1.0	1.0	1.4
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2
2.5°	1225.3	1214.9	1212.5	1211.8	1202.2	1191.8	1181.2	1177.0	1170.8	1167.0	1170.1
5°	1202.2	1187.4	1174.3	1162.2	1140.9	1117.4	1097.1	1084.0	1071.6	1063.3	1065.4
7.5°	1169.5	1150.2	1120.2	1089.5	1050.2	1015.1	975.8	951.7	929.3	916.9	922.7
10°	1134.7	1109.2	1061.3	1009.2	947.6	892.4	836.3	790.4	763.9	738.7	741.5
12.5°	1100.5	1066.8	995.1	916.2	838.3	757.0	672.2	608.8	565.4	534.1	529.3
15°	1068.8	1025.4	930.7	826.6	720.5	612.3	504.1	413.5	363.2	332.2	330.1
17.5°	1040.6	986.8	863.8	732.9	599.9	461.4	337.0	269.1	240.2	226.7	225.3
20°	1013.4	947.9	795.6	637.8	468.3	323.9	232.6	201.2	191.9	186.4	187.1
22.5°	987.2	905.5	723.9	532.4	351.1	227.4	180.2	168.1	167.1	167.8	168.1
25°	965.1	866.6	650.2	430.7	250.5	173.3	150.6	147.1	150.2	154.7	155.4
27.5°	953.8	834.9	578.2	328.4	181.2	140.9	130.6	132.0	137.5	142.3	143.0
30°	956.9	811.1	503.8	238.1	139.5	118.9	115.4	118.2	123.7	128.2	128.9
32.5°	978.9	799.0	427.6	173.3	114.7	103.7	102.3	104.4	109.2	112.7	113.0
35°	1022.7	801.8	355.2	132.7	98.5	92.3	92.0	93.4	95.8	98.2	98.5
37.5°	1087.1	824.2	283.9	110.3	89.2	84.8	83.4	83.4	85.1	86.1	86.8
40°	1156.4	858.0	227.4	97.5	82.7	77.9	75.1	74.1	75.5	76.8	77.2
42.5°	1213.6	891.7	184.7	88.6	77.5	71.0	67.5	66.8	68.6	71.0	71.7
45°	1257.3	917.9	154.0	81.3	71.7	64.4	60.6	60.6	63.7	67.9	68.6
47.5°	1297.3	938.9	131.3	74.8	66.2	58.6	54.8	55.5	60.6	66.2	67.2
50°	1324.5	955.8	114.4	68.9	61.7	53.8	50.3	51.7	57.9	64.4	65.5
52.5°	1353.8	976.5	103.4	63.7	57.5	50.0	46.9	47.9	54.8	62.0	63.4
55°	1434.8	1045.8	103.0	56.9	50.3	44.8	43.4	43.8	50.7	58.9	60.6
57.5°	1500.9	1106.7	109.9	47.9	42.0	39.3	38.6	38.9	45.1	54.4	56.5
60°	1241.8	860.0	91.0	39.6	35.1	34.5	33.4	34.1	40.0	48.2	50.0
62.5°	735.0	491.7	43.4	30.3	30.0	29.3	28.3	29.6	35.1	42.4	43.4
65°	251.2	145.8	27.6	24.8	25.5	24.5	23.4	24.8	29.6	33.8	34.1
67.5°	48.2	38.6	22.1	20.7	21.0	19.0	18.6	20.0	22.7	23.4	23.1
70°	25.2	22.4	16.9	16.9	16.2	13.4	13.4	14.8	14.8	13.8	13.4
72.5°	13.1	12.4	11.0	12.4	10.3	8.3	8.3	9.0	8.3	6.9	6.9
75°	5.2	5.2	4.8	6.2	4.5	3.8	3.4	4.1	3.1	2.4	2.4
77.5°	1.4	1.4	1.4	1.7	1.0	1.0	0.7	0.7	0.3	0.0	0.0
80°	0.0	0.3	0.0	0.3	0.0	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)