

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: P631096

Luminaire Tested: GWS-SA1F-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4022.1 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

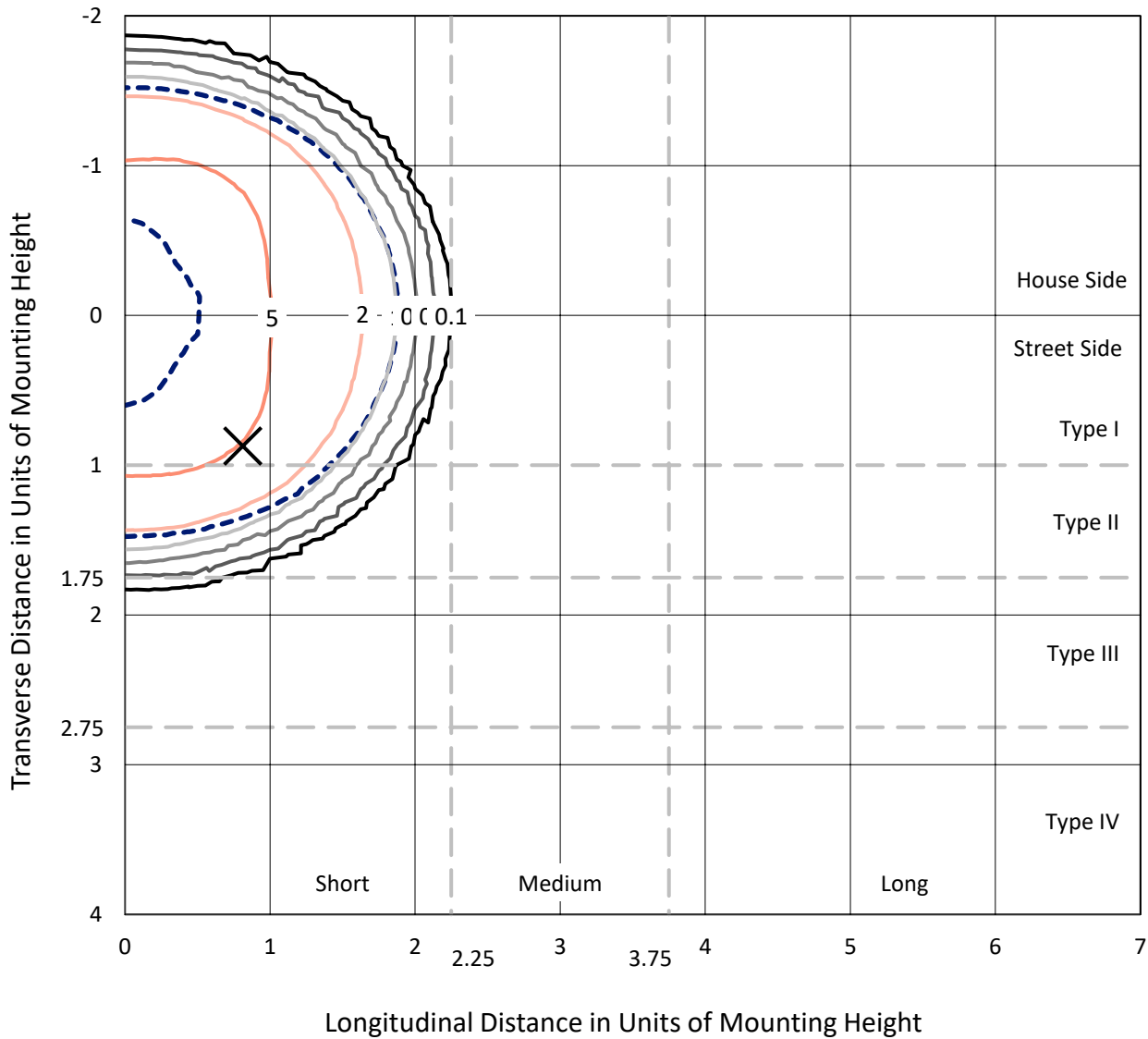
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

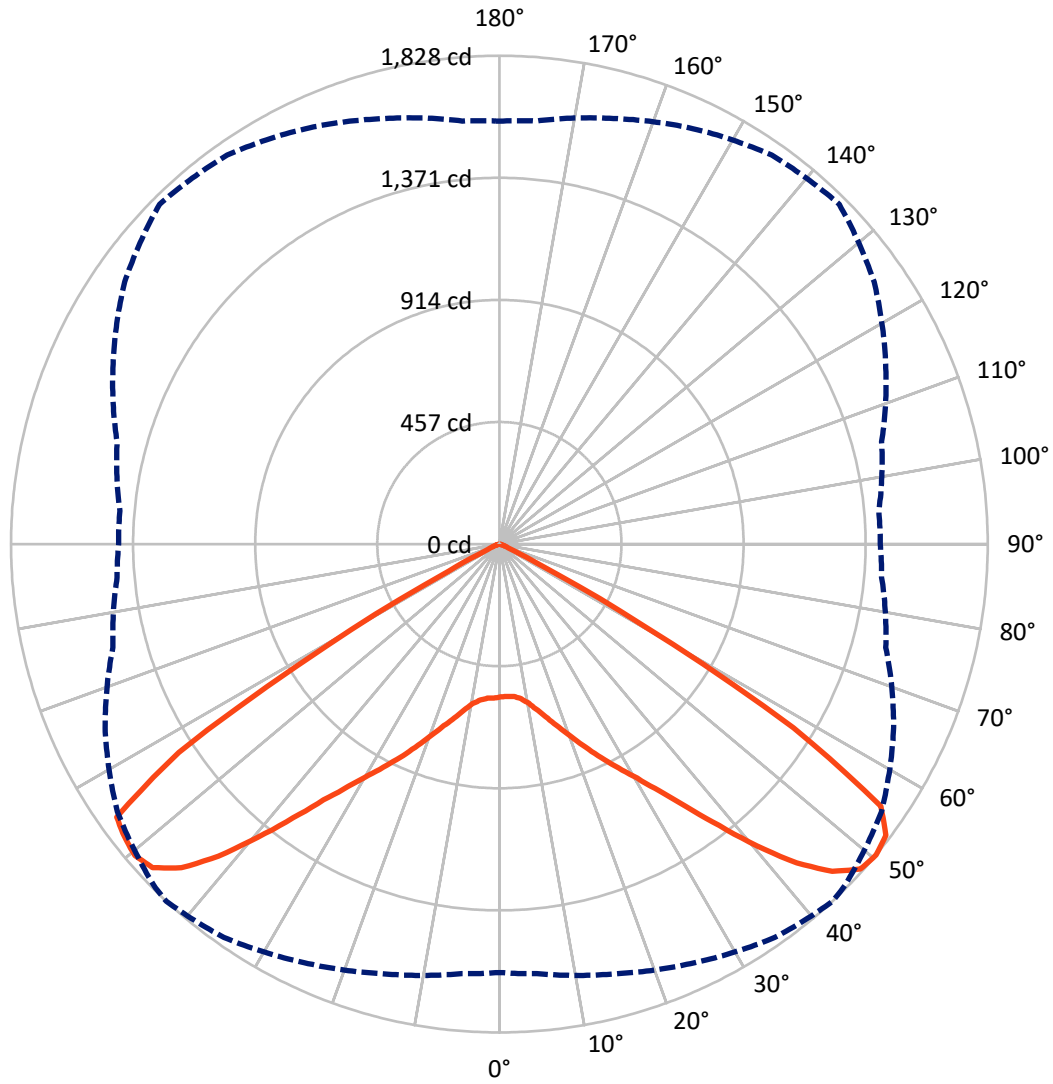
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2011.0	0.0	2011.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2011.1	0.0	2011.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4022.1	0.0	4022.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.4
10°-20°	193.9	4.8
20°-30°	392.2	9.8
30°-40°	727.7	18.1
40°-50°	1208.0	30.0
50°-60°	1232.8	30.7
60°-70°	202.2	5.0
70°-80°	8.8	0.2
80°-90°	0.1	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°	4022.1	100.0
0°-180°	4022.1	100.0

Coefficient of Utilization



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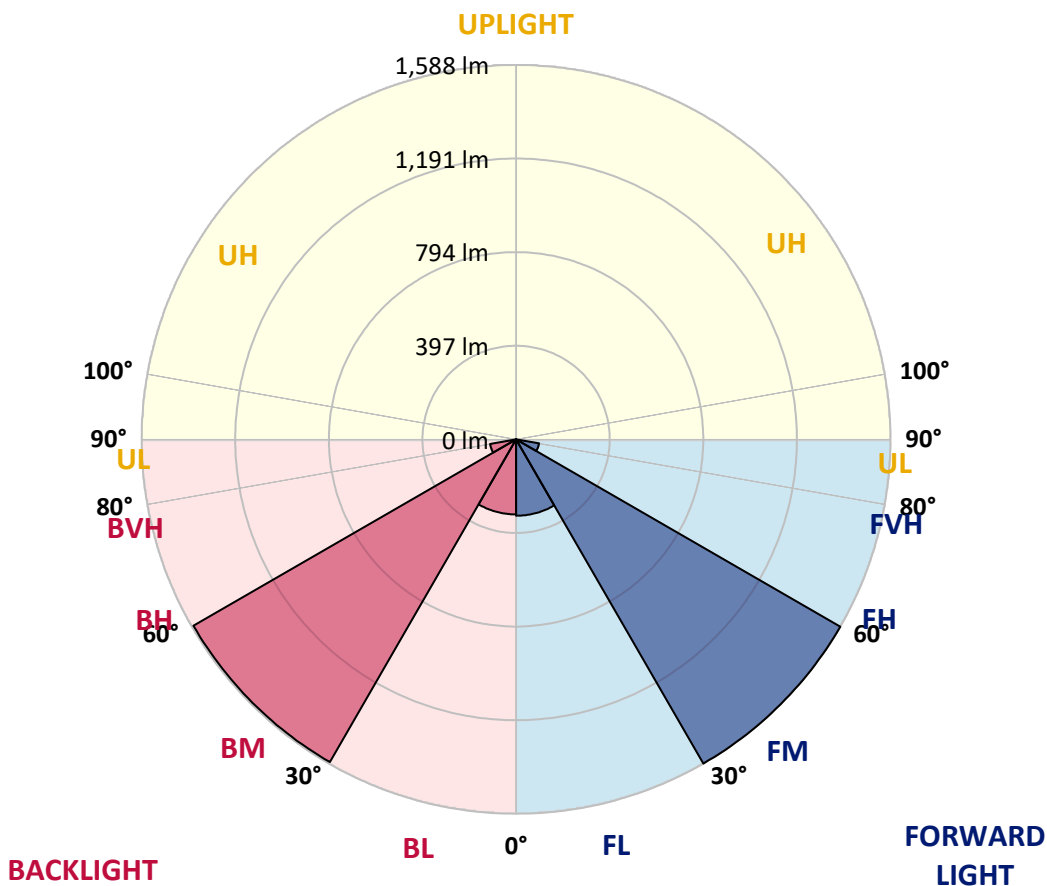
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	324.0	8.1			
FM (30°-60°)	1588.1	39.5			
FH (60°-80°)	98.9	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	318.4	7.9	B1/500		
BM (30°-60°)	1580.4	39.3	B2/2500		
BH (60°-80°)	112.1	2.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1
2.5°	561.4	562.7	564.5	566.3	568.5	570.7	572.1	576.1	575.2	578.8	578.8
5°	555.2	556.5	558.7	562.7	567.6	572.5	576.1	584.1	588.5	595.7	598.3
7.5°	558.3	560.1	562.7	569.0	576.5	584.1	588.1	601.0	609.9	623.2	630.8
10°	568.5	570.3	574.7	585.4	595.2	605.9	610.8	627.2	641.5	659.7	670.4
12.5°	580.1	582.3	591.2	607.2	624.1	638.4	645.0	663.3	678.0	698.4	715.3
15°	592.1	595.7	609.4	633.0	657.0	676.2	683.3	702.9	717.5	739.3	758.5
17.5°	620.1	624.1	639.7	665.1	698.0	720.2	726.4	746.9	758.0	772.7	792.7
20°	655.3	662.8	682.0	712.7	748.7	770.0	774.5	794.5	793.6	799.8	817.2
22.5°	698.9	704.2	725.1	761.6	802.1	825.6	835.9	844.3	833.2	827.9	839.0
25°	744.2	750.5	773.2	813.2	858.6	885.7	894.2	900.8	883.0	863.0	864.3
27.5°	803.0	807.4	829.6	872.4	917.7	948.4	956.0	967.6	944.0	911.9	903.1
30°	872.8	877.2	900.8	945.8	990.7	1016.9	1028.5	1042.7	1016.9	976.9	966.7
32.5°	954.7	959.1	989.4	1035.6	1072.5	1101.0	1112.1	1127.3	1106.8	1061.9	1050.3
35°	1052.5	1055.2	1090.8	1141.0	1180.2	1207.8	1215.3	1233.1	1210.4	1165.5	1159.3
37.5°	1166.0	1169.1	1207.8	1266.0	1306.1	1336.8	1348.8	1353.7	1326.1	1275.8	1270.9
40°	1290.5	1300.7	1338.6	1401.3	1446.2	1484.9	1495.6	1479.1	1440.4	1371.9	1363.0
42.5°	1420.4	1429.3	1471.6	1539.6	1591.7	1631.3	1631.7	1596.1	1530.3	1435.5	1422.2
45°	1528.5	1532.1	1586.8	1655.3	1719.4	1747.4	1750.0	1685.5	1586.3	1472.5	1444.0
47.5°	1602.8	1608.6	1656.2	1722.0	1792.8	1818.1	1812.8	1732.3	1613.0	1496.5	1449.3
50°	1603.7	1613.5	1665.1	1728.7	1797.2	1827.9	1820.3	1745.6	1628.2	1497.4	1436.4
52.5°	1461.8	1477.8	1561.9	1654.0	1758.9	1811.4	1813.2	1762.9	1622.4	1483.1	1424.9
55°	1102.8	1120.1	1226.0	1383.0	1585.9	1732.3	1757.6	1742.5	1615.7	1489.4	1445.3
57.5°	583.6	570.3	629.0	784.7	1039.6	1298.5	1372.8	1493.8	1541.4	1496.9	1483.1
60°	127.2	135.7	180.6	243.3	405.7	610.8	683.3	890.6	1137.0	1246.5	1325.7
62.5°	54.7	53.8	56.1	63.6	93.0	154.8	189.1	308.7	487.1	669.1	792.3
65°	44.9	45.4	47.2	47.2	44.0	44.5	46.7	70.7	113.9	159.7	214.4
67.5°	33.8	34.3	37.4	38.3	36.0	32.0	31.6	26.7	28.0	35.1	36.5
70°	21.4	21.4	23.1	24.0	24.0	22.2	21.8	19.1	18.7	21.4	24.0
72.5°	11.6	11.6	12.5	12.9	12.5	12.0	12.0	11.6	11.1	12.9	16.5
75°	4.9	4.9	5.3	5.3	4.9	4.9	4.9	4.9	4.9	5.8	8.9
77.5°	0.9	1.3	1.8	1.3	0.9	0.9	0.9	1.3	1.3	1.8	2.7
80°	0.4	0.4	0.9	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1
2.5°	581.9	577.0	578.8	579.6	578.3	577.4	572.5	571.2	569.0	565.4	564.5
5°	601.4	597.4	597.0	594.3	588.1	580.5	571.2	567.2	562.7	558.3	557.4
7.5°	634.4	629.5	626.4	617.5	603.2	591.2	575.6	567.2	561.4	555.6	554.3
10°	676.6	670.8	661.9	645.5	626.4	609.0	590.8	579.6	570.7	562.7	562.3
12.5°	721.6	715.3	699.3	678.4	655.3	639.3	616.1	600.6	587.2	575.2	573.9
15°	768.7	761.1	739.3	714.4	693.1	676.6	651.3	626.4	605.9	588.5	586.8
17.5°	804.7	795.4	769.6	750.9	733.6	716.7	688.2	655.3	628.1	607.2	602.3
20°	827.4	818.5	794.1	783.8	775.8	763.8	730.0	695.7	665.5	639.7	635.2
22.5°	849.2	838.5	817.2	817.2	823.4	818.5	782.1	742.9	707.3	677.5	670.8
25°	873.7	865.2	850.1	862.6	878.1	877.7	840.3	791.4	750.5	717.1	710.4
27.5°	909.3	900.8	895.5	919.1	938.6	937.3	896.4	843.4	800.3	767.4	761.1
30°	972.0	964.0	958.2	986.7	1011.6	1002.3	957.3	906.2	862.6	825.2	820.8
32.5°	1055.6	1047.2	1039.6	1068.1	1090.3	1078.3	1035.6	987.6	937.3	900.8	891.9
35°	1165.5	1147.7	1140.2	1174.0	1183.3	1170.0	1129.0	1086.8	1033.4	991.6	985.8
37.5°	1279.0	1258.0	1252.7	1282.1	1297.2	1292.3	1244.3	1200.2	1142.4	1096.1	1089.4
40°	1375.9	1356.8	1347.5	1393.3	1427.5	1430.6	1387.5	1333.7	1265.6	1217.6	1205.5
42.5°	1432.9	1416.4	1414.2	1485.4	1541.4	1581.5	1529.8	1474.2	1402.6	1348.3	1338.6
45°	1445.8	1435.1	1453.8	1547.2	1634.4	1707.3	1663.3	1604.6	1527.2	1469.8	1460.5
47.5°	1444.4	1440.9	1474.2	1579.2	1689.5	1779.4	1757.6	1691.3	1616.6	1556.5	1547.6
50°	1425.3	1425.8	1481.4	1595.2	1711.8	1799.0	1777.2	1715.8	1649.1	1589.9	1582.8
52.5°	1417.7	1415.1	1468.0	1590.3	1734.5	1790.1	1741.2	1672.2	1597.9	1525.0	1514.3
55°	1444.4	1437.8	1469.8	1586.3	1737.1	1785.2	1656.2	1506.7	1354.6	1268.3	1261.2
57.5°	1484.5	1477.4	1492.5	1557.0	1597.9	1484.5	1218.9	977.8	821.2	754.9	726.0
60°	1325.7	1320.8	1309.2	1231.4	1056.1	796.7	542.7	346.1	248.7	201.1	201.1
62.5°	822.5	815.9	753.1	559.6	406.6	235.3	129.5	81.0	61.4	57.4	56.9
65°	230.9	229.5	190.0	134.3	85.4	52.9	46.7	47.6	46.7	45.4	44.9
67.5°	34.7	38.3	38.3	31.1	29.8	33.4	39.1	41.8	39.6	37.4	36.5
70°	22.2	24.0	23.1	20.0	21.4	24.9	28.0	28.5	27.1	24.9	24.5
72.5°	15.6	17.3	14.2	12.9	13.3	14.7	16.0	16.0	15.6	14.7	13.8
75°	9.3	9.3	6.7	6.2	6.2	6.7	6.7	7.6	7.6	7.1	6.7
77.5°	3.1	3.6	2.2	1.8	1.8	1.8	2.2	2.7	2.7	2.2	1.8
80°	0.4	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.4
82.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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)