

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: P630271

Luminaire Tested: GWS-SA1D-735-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630271
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-SA1D-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3876.2 lumens
Efficiency: N/A
Efficacy: 87.5 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

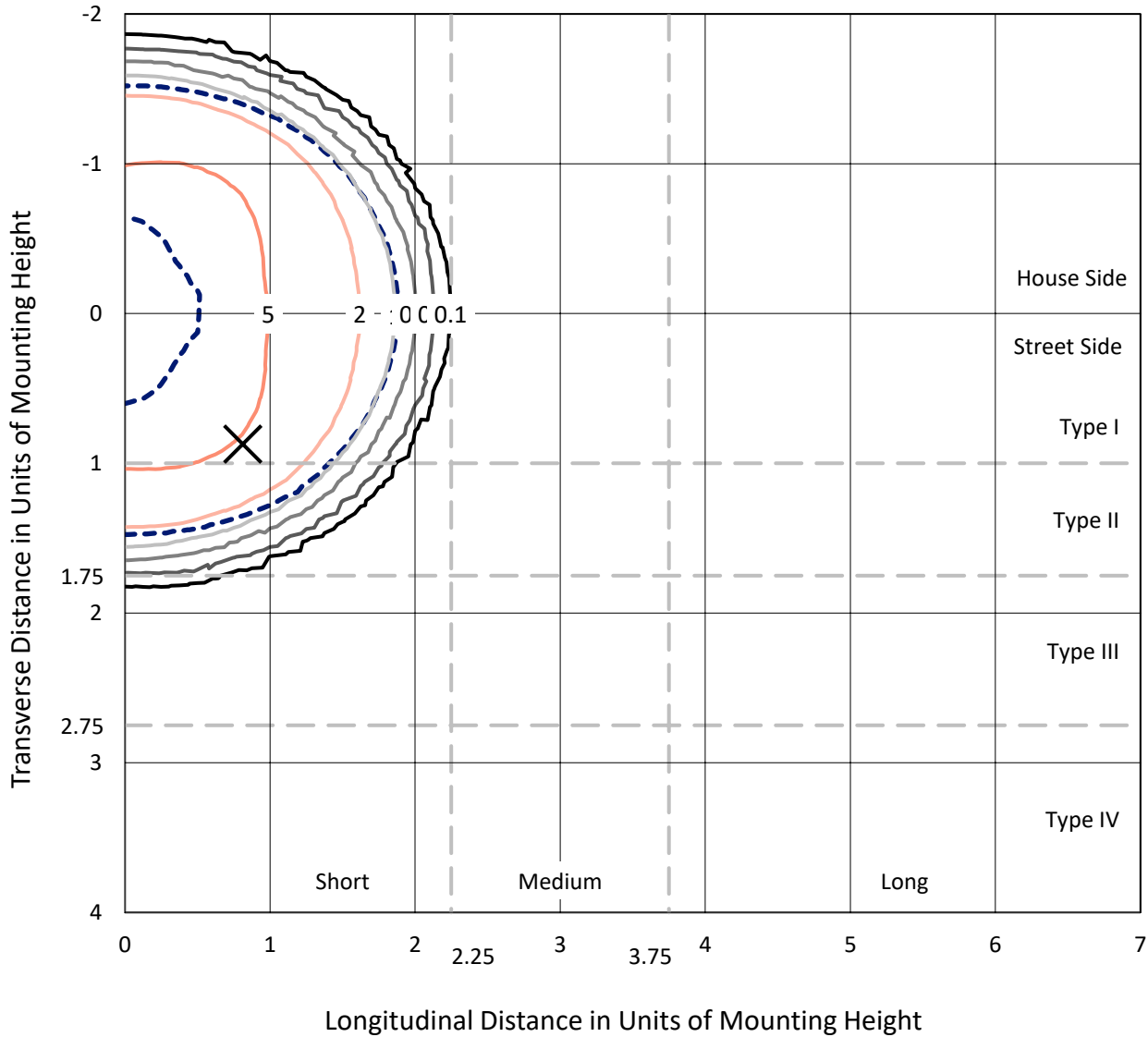
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: GWS-SA1D-735-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

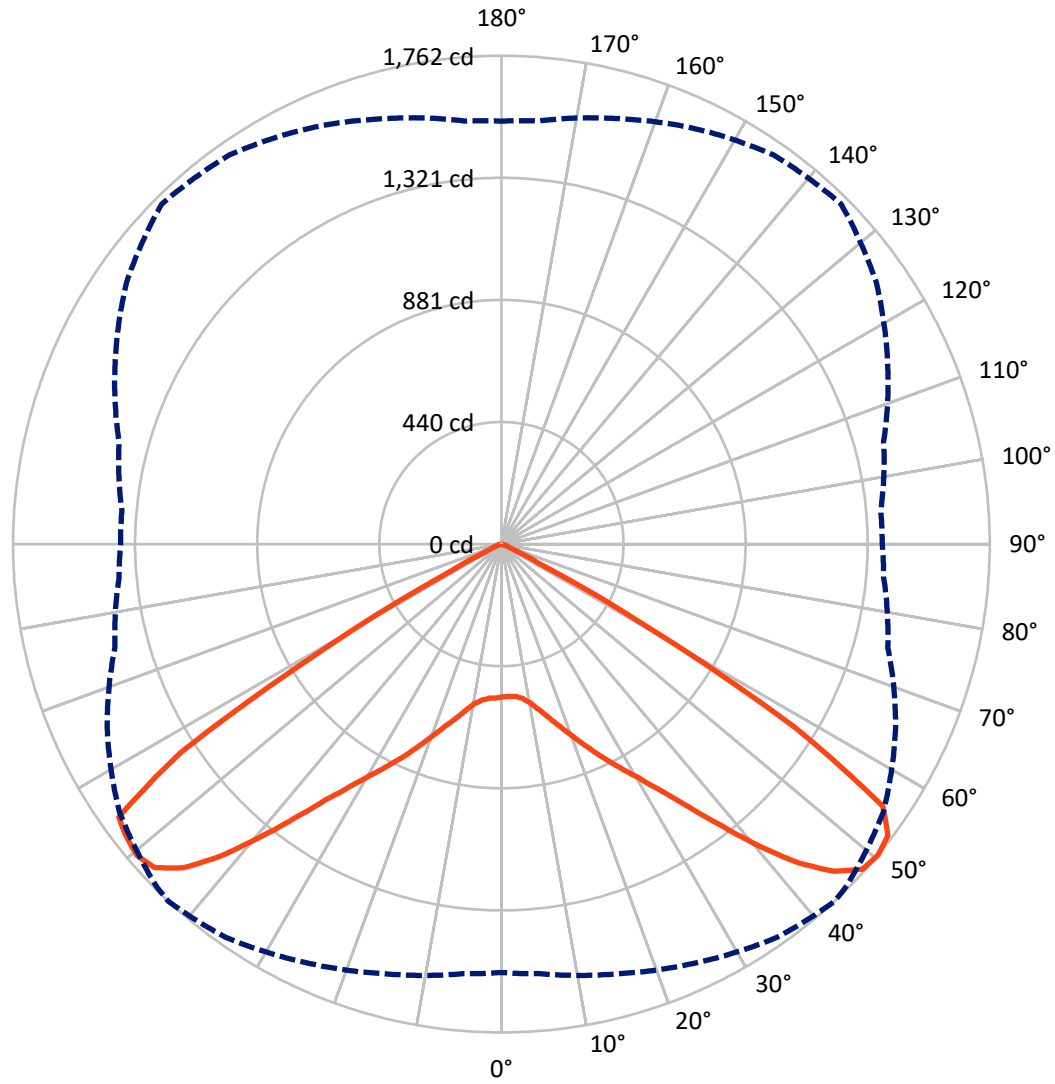
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

REPORT NUMBER: P630271
CATALOG NUMBER: GWS-SA1D-735-U-RW-W-GRSBK

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	1938.0	0.0	1938.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1938.1	0.0	1938.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3876.2	0.0	3876.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.4
10°-20°	186.8	4.8
20°-30°	378.0	9.8
30°-40°	701.3	18.1
40°-50°	1164.2	30.0
50°-60°	1188.1	30.7
60°-70°	194.8	5.0
70°-80°	8.5	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°	3876.2	100.0
0°-180°	3876.2	100.0

Coefficient of Utilization



REPORT NUMBER: P630271

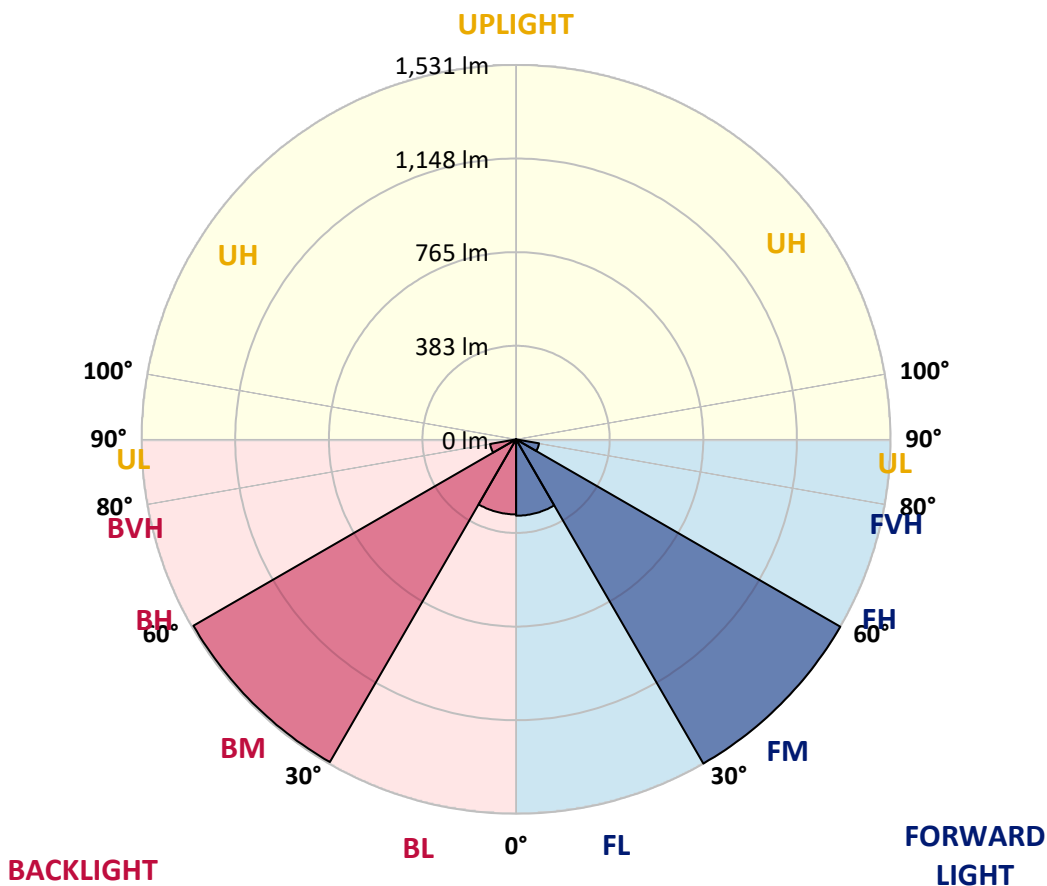
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	312.3	8.1			
FM (30°-60°)	1530.5	39.5			
FH (60°-80°)	95.3	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	306.9	7.9	B1/500		
BM (30°-60°)	1523.1	39.3	B2/2500		
BH (60°-80°)	108.0	2.8	B0/110		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





REPORT NUMBER: P630271

CATALOG NUMBER: GWS-SA1D-735-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3
2.5°	541.0	542.3	544.0	545.8	547.9	550.0	551.3	555.2	554.3	557.8	557.8
5°	535.0	536.3	538.5	542.3	547.0	551.8	555.2	562.9	567.2	574.1	576.6
7.5°	538.0	539.8	542.3	548.3	555.6	562.9	566.8	579.2	587.8	600.6	607.9
10°	547.9	549.6	553.9	564.2	573.6	583.9	588.6	604.5	618.2	635.8	646.1
12.5°	559.0	561.2	569.8	585.2	601.5	615.2	621.6	639.2	653.4	673.1	689.4
15°	570.6	574.1	587.3	610.1	633.2	651.6	658.5	677.4	691.5	712.5	731.0
17.5°	597.6	601.5	616.5	640.9	672.7	694.1	700.1	719.8	730.5	744.7	764.0
20°	631.5	638.8	657.2	686.8	721.5	742.1	746.4	765.7	764.8	770.8	787.6
22.5°	673.5	678.7	698.8	734.0	773.0	795.7	805.6	813.7	803.0	797.8	808.6
25°	717.2	723.2	745.1	783.7	827.4	853.6	861.7	868.1	851.0	831.7	833.0
27.5°	773.8	778.1	799.6	840.7	884.4	914.0	921.3	932.5	909.7	878.9	870.3
30°	841.1	845.4	868.1	911.4	954.7	980.0	991.2	1004.9	980.0	941.5	931.6
32.5°	920.0	924.3	953.5	998.0	1033.6	1061.1	1071.8	1086.4	1066.6	1023.3	1012.2
35°	1014.3	1016.9	1051.2	1099.7	1137.4	1164.0	1171.3	1188.4	1166.5	1123.2	1117.2
37.5°	1123.7	1126.7	1164.0	1220.1	1258.7	1288.3	1299.9	1304.6	1278.0	1229.6	1224.8
40°	1243.7	1253.6	1290.0	1350.5	1393.8	1431.1	1441.3	1425.5	1388.2	1322.2	1313.6
42.5°	1368.9	1377.5	1418.2	1483.8	1533.9	1572.1	1572.5	1538.2	1474.8	1383.5	1370.6
45°	1473.1	1476.5	1529.2	1595.3	1657.0	1684.0	1686.6	1624.4	1528.8	1419.0	1391.6
47.5°	1544.7	1550.2	1596.1	1659.6	1727.7	1752.2	1747.0	1669.4	1554.5	1442.2	1396.8
50°	1545.5	1555.0	1604.7	1666.0	1732.0	1761.6	1754.3	1682.3	1569.1	1443.1	1384.3
52.5°	1408.8	1424.2	1505.2	1594.0	1695.1	1745.7	1747.4	1699.0	1563.5	1429.3	1373.2
55°	1062.8	1079.5	1181.5	1332.9	1528.4	1669.4	1693.9	1679.3	1557.1	1435.3	1392.9
57.5°	562.5	549.6	606.2	756.3	1001.9	1251.4	1323.0	1439.6	1485.5	1442.6	1429.3
60°	122.6	130.8	174.1	234.5	391.0	588.6	658.5	858.3	1095.8	1201.3	1277.6
62.5°	52.7	51.9	54.0	61.3	89.6	149.2	182.2	297.5	469.4	644.8	763.5
65°	43.3	43.7	45.4	45.4	42.4	42.9	45.0	68.2	109.8	153.9	206.6
67.5°	32.6	33.0	36.0	36.9	34.7	30.9	30.4	25.7	27.0	33.9	35.2
70°	20.6	20.6	22.3	23.2	23.2	21.4	21.0	18.4	18.0	20.6	23.2
72.5°	11.1	11.1	12.0	12.4	12.0	11.6	11.6	11.1	10.7	12.4	15.9
75°	4.7	4.7	5.1	5.1	4.7	4.7	4.7	4.7	4.7	5.6	8.6
77.5°	0.9	1.3	1.7	1.3	0.9	0.9	0.9	1.3	1.3	1.7	2.6
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°	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3
2.5°	560.8	556.0	557.8	558.6	557.3	556.5	551.8	550.5	548.3	544.9	544.0
5°	579.6	575.8	575.3	572.8	566.8	559.5	550.5	546.6	542.3	538.0	537.2
7.5°	611.3	606.6	603.6	595.1	581.3	569.8	554.8	546.6	541.0	535.5	534.2
10°	652.1	646.5	637.9	622.1	603.6	586.9	569.3	558.6	550.0	542.3	541.9
12.5°	695.4	689.4	673.9	653.8	631.5	616.1	593.8	578.8	565.9	554.3	553.0
15°	740.8	733.5	712.5	688.5	667.9	652.1	627.6	603.6	583.9	567.2	565.5
17.5°	775.5	766.5	741.7	723.7	707.0	690.7	663.2	631.5	605.3	585.2	580.5
20°	797.4	788.8	765.3	755.4	747.7	736.1	703.5	670.5	641.4	616.5	612.2
22.5°	818.4	808.1	787.6	787.6	793.6	788.8	753.7	716.0	681.7	652.9	646.5
25°	842.0	833.9	819.3	831.3	846.3	845.9	809.8	762.7	723.2	691.1	684.7
27.5°	876.3	868.1	863.0	885.7	904.6	903.3	863.9	812.8	771.3	739.5	733.5
30°	936.7	929.0	923.5	950.9	974.9	965.9	922.6	873.3	831.3	795.3	791.0
32.5°	1017.3	1009.2	1001.9	1029.3	1050.8	1039.2	998.0	951.7	903.3	868.1	859.6
35°	1123.2	1106.1	1098.8	1131.4	1140.4	1127.5	1088.1	1047.4	995.9	955.6	950.0
37.5°	1232.6	1212.4	1207.3	1235.6	1250.1	1245.4	1199.1	1156.7	1100.9	1056.4	1049.9
40°	1326.0	1307.6	1298.6	1342.7	1375.7	1378.7	1337.2	1285.3	1219.7	1173.4	1161.8
42.5°	1380.9	1365.0	1362.9	1431.5	1485.5	1524.1	1474.4	1420.8	1351.7	1299.4	1290.0
45°	1393.3	1383.0	1401.0	1491.1	1575.1	1645.4	1603.0	1546.4	1471.8	1416.5	1407.5
47.5°	1392.0	1388.6	1420.8	1521.9	1628.3	1714.9	1693.9	1630.0	1558.0	1500.1	1491.5
50°	1373.6	1374.0	1427.6	1537.4	1649.7	1733.7	1712.7	1653.6	1589.2	1532.2	1525.4
52.5°	1366.3	1363.7	1414.8	1532.7	1671.6	1725.2	1678.0	1611.5	1539.9	1469.6	1459.3
55°	1392.0	1385.6	1416.5	1528.8	1674.1	1720.4	1596.1	1452.1	1305.4	1222.3	1215.4
57.5°	1430.6	1423.8	1438.3	1500.5	1539.9	1430.6	1174.7	942.3	791.4	727.5	699.7
60°	1277.6	1272.9	1261.7	1186.7	1017.8	767.8	523.0	333.5	239.7	193.8	193.8
62.5°	792.7	786.3	725.8	539.3	391.8	226.8	124.8	78.0	59.2	55.3	54.9
65°	222.5	221.2	183.1	129.5	82.3	51.0	45.0	45.9	45.0	43.7	43.3
67.5°	33.4	36.9	36.9	30.0	28.7	32.2	37.7	40.3	38.2	36.0	35.2
70°	21.4	23.2	22.3	19.3	20.6	24.0	27.0	27.4	26.2	24.0	23.6
72.5°	15.0	16.7	13.7	12.4	12.9	14.1	15.4	15.4	15.0	14.1	13.3
75°	9.0	9.0	6.4	6.0	6.0	6.4	6.4	7.3	7.3	6.9	6.4
77.5°	3.0	3.4	2.1	1.7	1.7	1.7	2.1	2.6	2.6	2.1	1.7
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)