

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: P630436

Luminaire Tested: GWS-SA1D-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630436
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3965 lumens
Efficiency: N/A
Efficacy: 89.5 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

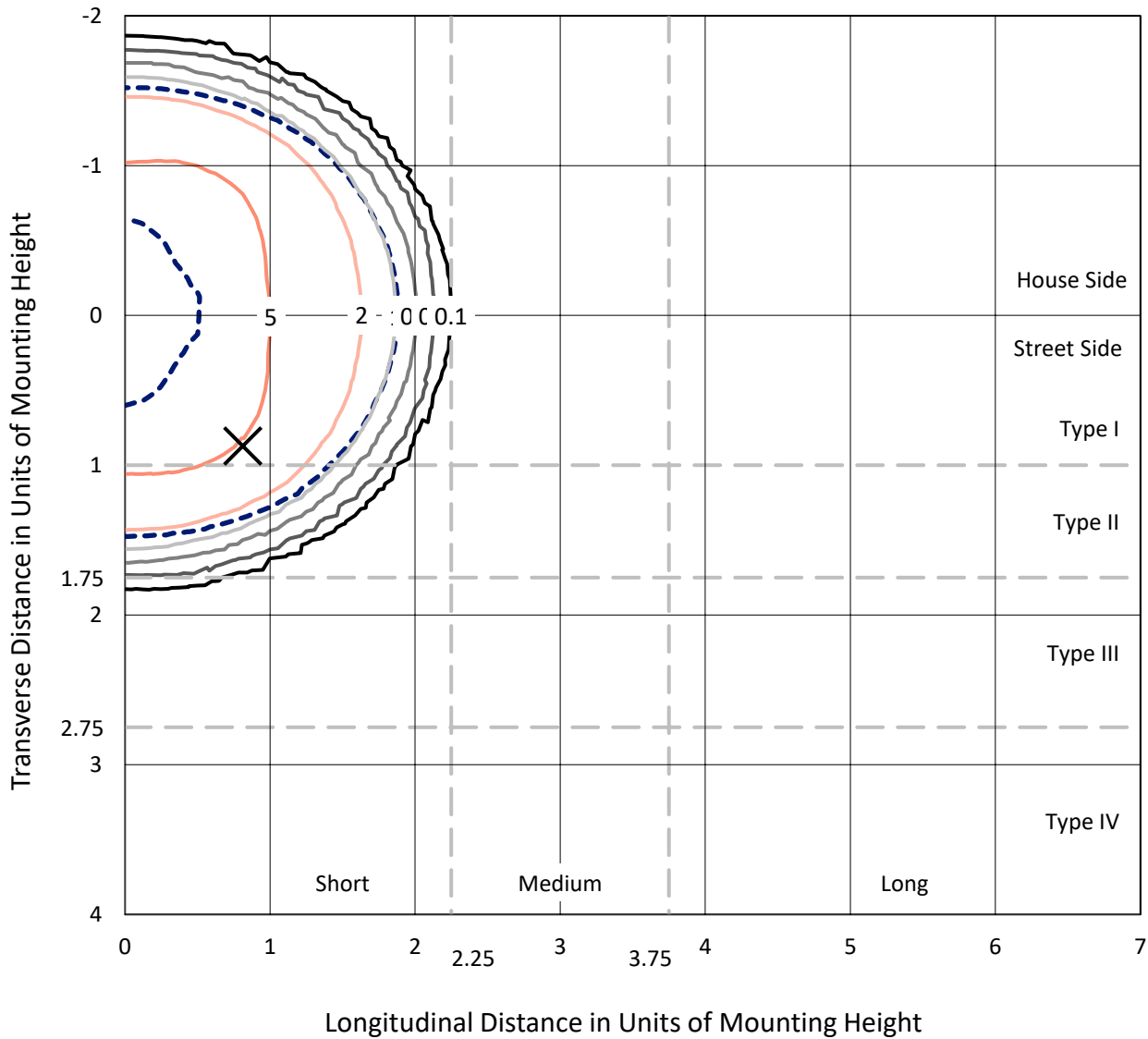
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

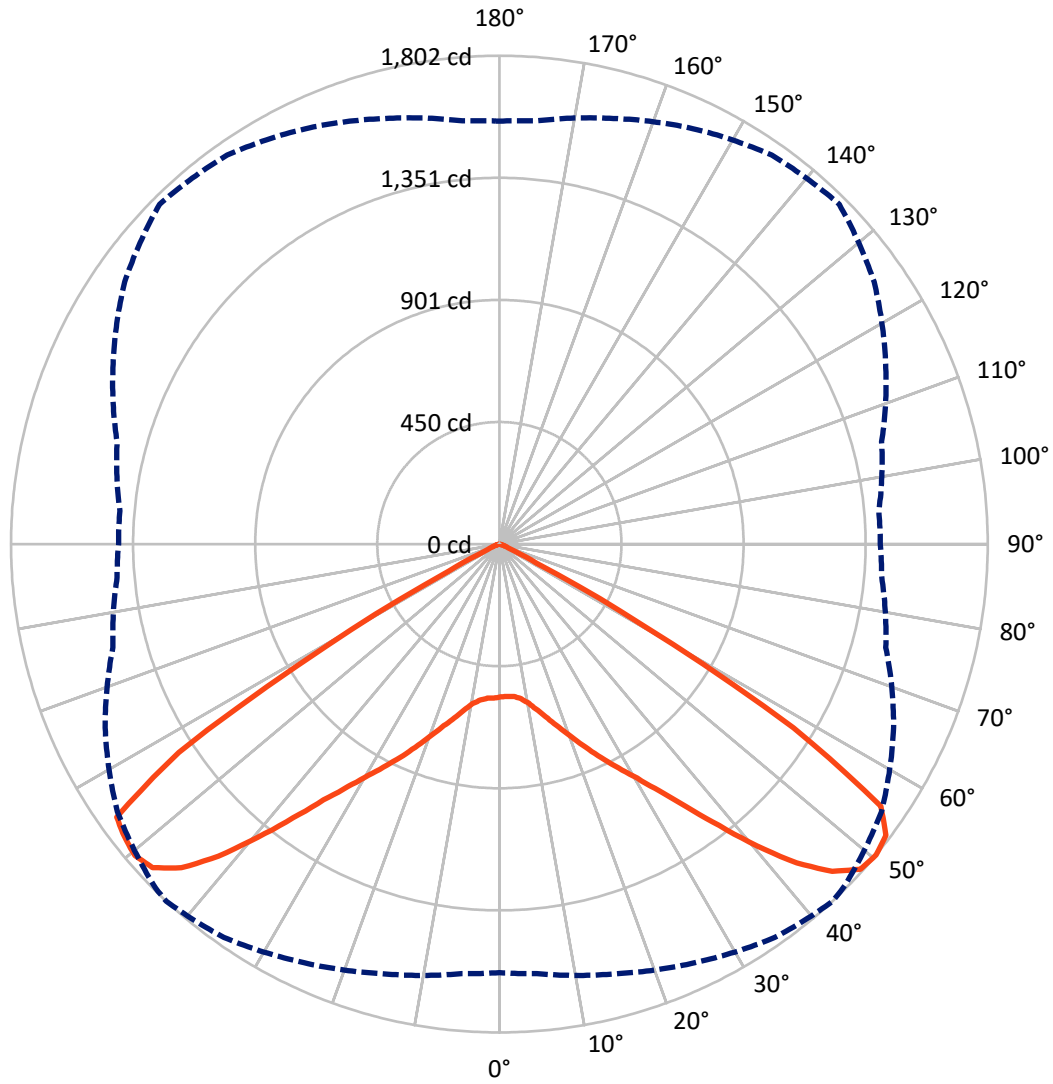
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 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	1982.4	0.0	1982.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1982.5	0.0	1982.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3965.0	0.0	3965.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	1.4
10°-20°	191.1	4.8
20°-30°	386.7	9.8
30°-40°	717.4	18.1
40°-50°	1190.8	30.0
50°-60°	1215.3	30.7
60°-70°	199.3	5.0
70°-80°	8.7	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°	3965.0	100.0
0°-180°	3965.0	100.0

Coefficient of Utilization



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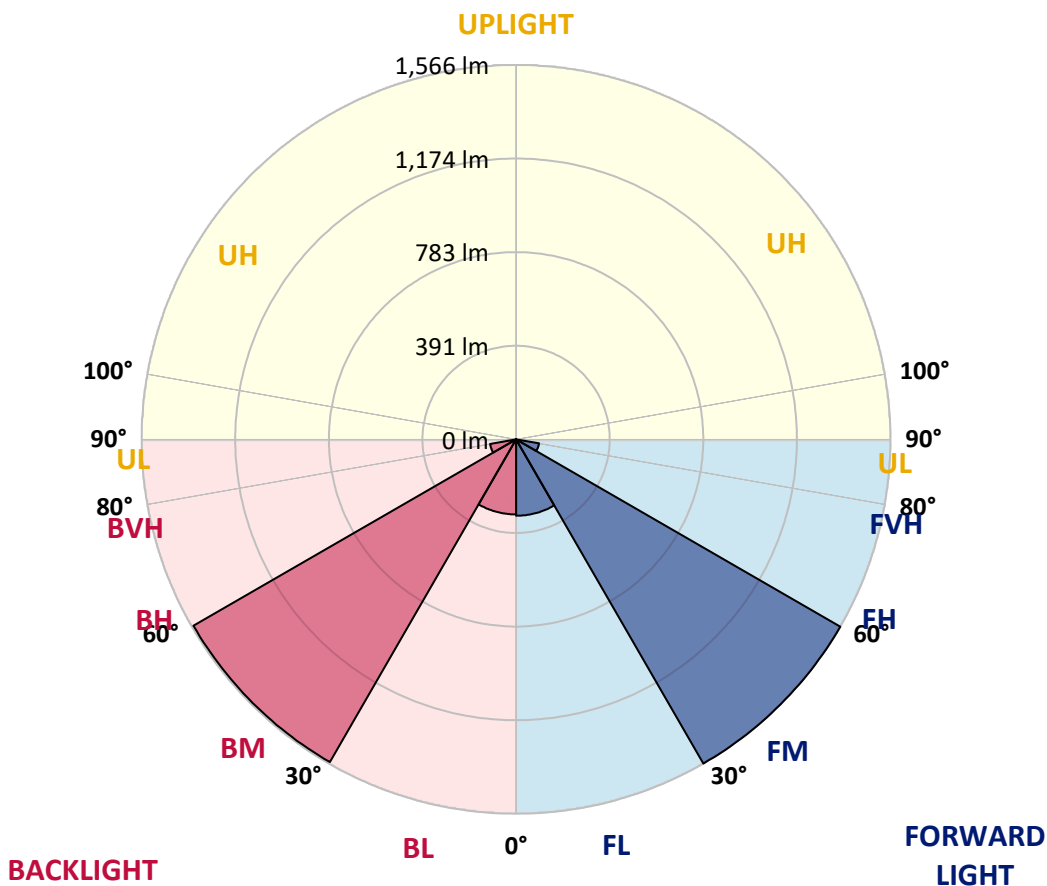
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.4	8.1			
FM (30°-60°)	1565.6	39.5			
FH (60°-80°)	97.5	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	313.9	7.9	B1/500		
BM (30°-60°)	1558.0	39.3	B2/2500		
BH (60°-80°)	110.5	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°	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0
2.5°	553.4	554.7	556.5	558.3	560.5	562.6	564.0	567.9	567.0	570.5	570.5
5°	547.3	548.6	550.8	554.7	559.6	564.4	567.9	575.8	580.2	587.2	589.8
7.5°	550.4	552.1	554.7	560.9	568.3	575.8	579.7	592.5	601.2	614.4	621.8
10°	560.5	562.2	566.6	577.1	586.8	597.3	602.1	618.3	632.4	650.4	660.9
12.5°	571.9	574.0	582.8	598.6	615.3	629.3	635.9	653.9	668.3	688.5	705.2
15°	583.7	587.2	600.8	624.0	647.7	666.6	673.6	692.9	707.4	728.8	747.7
17.5°	611.3	615.3	630.6	655.6	688.1	710.0	716.1	736.3	747.3	761.7	781.5
20°	646.0	653.4	672.3	702.5	738.1	759.1	763.5	783.2	782.3	788.5	805.6
22.5°	688.9	694.2	714.8	750.8	790.7	813.9	824.0	832.3	821.4	816.1	827.1
25°	733.7	739.8	762.2	801.6	846.4	873.1	881.5	888.0	870.5	850.8	852.1
27.5°	791.6	795.9	817.9	860.0	904.7	935.0	942.4	953.8	930.6	899.0	890.2
30°	860.4	864.8	888.0	932.3	976.6	1002.5	1013.9	1027.9	1002.5	963.0	952.9
32.5°	941.1	945.5	975.3	1020.9	1057.3	1085.4	1096.3	1111.3	1091.1	1046.8	1035.4
35°	1037.6	1040.2	1075.3	1124.8	1163.4	1190.6	1198.1	1215.6	1193.3	1149.0	1142.8
37.5°	1149.4	1152.5	1190.6	1248.1	1287.5	1317.8	1329.6	1334.5	1307.3	1257.7	1252.9
40°	1272.2	1282.3	1319.6	1381.4	1425.7	1463.8	1474.4	1458.1	1420.0	1352.4	1343.7
42.5°	1400.2	1409.0	1450.7	1517.8	1569.1	1608.1	1608.6	1573.5	1508.6	1415.2	1402.0
45°	1506.8	1510.3	1564.3	1631.8	1694.9	1722.6	1725.2	1661.6	1563.8	1451.6	1423.5
47.5°	1580.0	1585.7	1632.7	1697.6	1767.3	1792.3	1787.0	1707.7	1590.1	1475.2	1428.8
50°	1580.9	1590.6	1641.4	1704.2	1771.7	1801.9	1794.5	1720.8	1605.0	1476.1	1416.0
52.5°	1441.0	1456.8	1539.7	1630.5	1734.0	1785.7	1787.5	1737.9	1599.3	1462.1	1404.6
55°	1087.1	1104.2	1208.6	1363.4	1563.4	1707.7	1732.7	1717.7	1592.8	1468.2	1424.8
57.5°	575.4	562.2	620.1	773.6	1024.9	1280.1	1353.3	1472.6	1519.5	1475.7	1462.1
60°	125.4	133.8	178.0	239.9	399.9	602.1	673.6	878.0	1120.9	1228.8	1306.8
62.5°	53.9	53.1	55.3	62.7	91.7	152.6	186.4	304.3	480.2	659.6	781.0
65°	44.3	44.7	46.5	46.5	43.4	43.9	46.0	69.7	112.3	157.4	211.4
67.5°	33.3	33.8	36.8	37.7	35.5	31.6	31.1	26.3	27.6	34.6	36.0
70°	21.0	21.0	22.8	23.7	23.7	21.9	21.5	18.9	18.4	21.0	23.7
72.5°	11.4	11.4	12.3	12.7	12.3	11.8	11.8	11.4	11.0	12.7	16.2
75°	4.8	4.8	5.3	5.3	4.8	4.8	4.8	4.8	4.8	5.7	8.8
77.5°	0.9	1.3	1.8	1.3	0.9	0.9	0.9	1.3	1.3	1.8	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°	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0	564.0
2.5°	573.6	568.8	570.5	571.4	570.1	569.2	564.4	563.1	560.9	557.4	556.5
5°	592.9	589.0	588.5	585.9	579.7	572.3	563.1	559.1	554.7	550.4	549.5
7.5°	625.4	620.5	617.5	608.7	594.7	582.8	567.5	559.1	553.4	547.7	546.4
10°	667.0	661.3	652.5	636.3	617.5	600.4	582.4	571.4	562.6	554.7	554.3
12.5°	711.3	705.2	689.4	668.8	646.0	630.2	607.4	592.0	578.9	567.0	565.7
15°	757.8	750.3	728.8	704.3	683.2	667.0	642.0	617.5	597.3	580.2	578.4
17.5°	793.3	784.1	758.7	740.3	723.1	706.5	678.4	646.0	619.2	598.6	593.8
20°	815.7	806.9	782.8	772.7	764.8	753.0	719.6	685.9	656.1	630.6	626.2
22.5°	837.2	826.6	805.6	805.6	811.7	806.9	770.9	732.4	697.3	667.9	661.3
25°	861.3	853.0	838.0	850.3	865.7	865.2	828.4	780.2	739.8	706.9	700.3
27.5°	896.4	888.0	882.8	906.0	925.3	924.0	883.7	831.5	788.9	756.5	750.3
30°	958.2	950.3	944.6	972.7	997.2	988.0	943.7	893.3	850.3	813.5	809.1
32.5°	1040.6	1032.3	1024.9	1052.9	1074.9	1063.0	1020.9	973.6	924.0	888.0	879.3
35°	1149.0	1131.4	1124.0	1157.3	1166.5	1153.4	1113.0	1071.3	1018.7	977.5	971.8
37.5°	1260.8	1240.2	1234.9	1263.9	1278.8	1273.9	1226.6	1183.2	1126.2	1080.6	1074.0
40°	1356.4	1337.5	1328.3	1373.5	1407.3	1410.3	1367.8	1314.7	1247.6	1200.3	1188.4
42.5°	1412.5	1396.3	1394.1	1464.3	1519.5	1559.0	1508.1	1453.3	1382.7	1329.2	1319.6
45°	1425.2	1414.7	1433.1	1525.2	1611.2	1683.1	1639.7	1581.8	1505.5	1448.9	1439.7
47.5°	1423.9	1420.4	1453.3	1556.8	1665.6	1754.1	1732.7	1667.3	1593.6	1534.4	1525.7
50°	1405.1	1405.5	1460.3	1572.6	1687.5	1773.4	1752.0	1691.4	1625.7	1567.3	1560.3
52.5°	1397.6	1395.0	1447.2	1567.8	1709.9	1764.7	1716.4	1648.5	1575.2	1503.3	1492.8
55°	1423.9	1417.4	1448.9	1563.8	1712.5	1759.8	1632.7	1485.3	1335.3	1250.3	1243.3
57.5°	1463.4	1456.4	1471.3	1534.9	1575.2	1463.4	1201.6	963.9	809.5	744.2	715.7
60°	1306.8	1302.0	1290.6	1213.9	1041.1	785.4	535.0	341.2	245.1	198.2	198.2
62.5°	810.9	804.3	742.4	551.7	400.8	232.0	127.6	79.8	60.5	56.6	56.1
65°	227.6	226.3	187.3	132.4	84.2	52.2	46.0	46.9	46.0	44.7	44.3
67.5°	34.2	37.7	37.7	30.7	29.4	32.9	38.6	41.2	39.0	36.8	36.0
70°	21.9	23.7	22.8	19.7	21.0	24.6	27.6	28.1	26.8	24.6	24.1
72.5°	15.3	17.1	14.0	12.7	13.2	14.5	15.8	15.8	15.3	14.5	13.6
75°	9.2	9.2	6.6	6.1	6.1	6.6	6.6	7.5	7.5	7.0	6.6
77.5°	3.1	3.5	2.2	1.8	1.8	1.8	2.2	2.6	2.6	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)