

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: P630381

Luminaire Tested: GWS-SA1D-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630381
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4020.1 lumens
Efficiency: N/A
Efficacy: 90.7 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

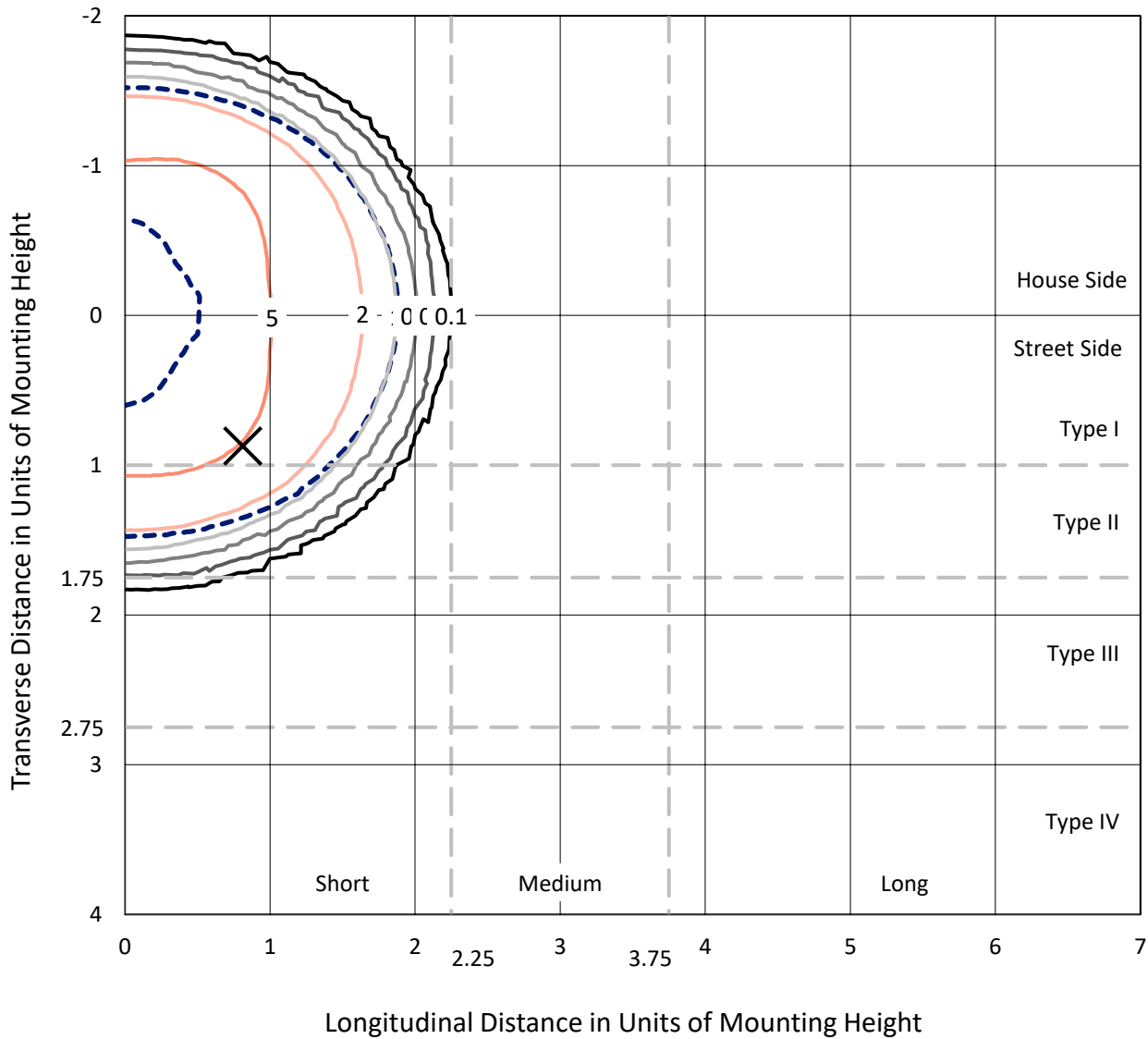
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

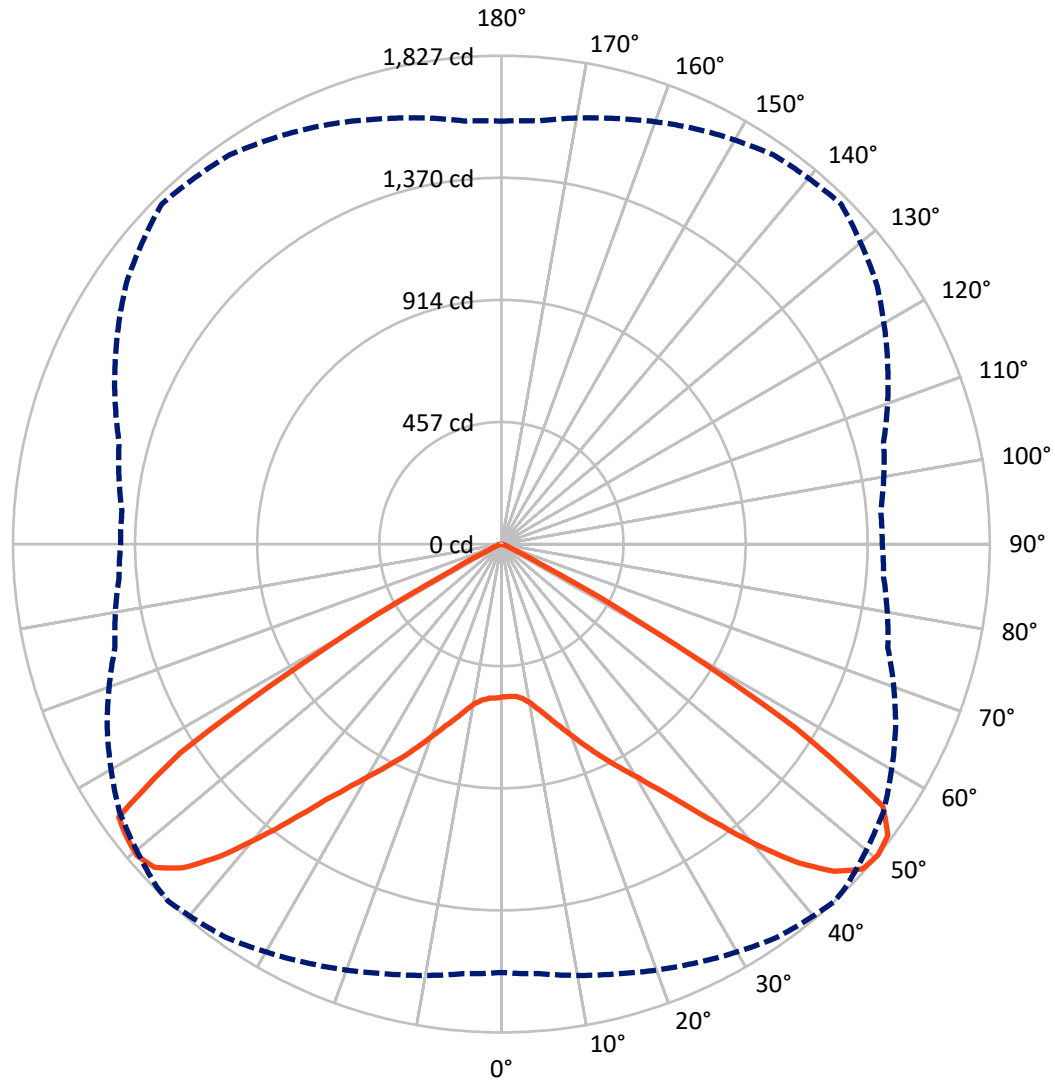
✕ Max cd
 - - - 1/2 Max cd



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	2010.0	0.0	2010.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2010.1	0.0	2010.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4020.1	0.0	4020.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.4
10°-20°	193.8	4.8
20°-30°	392.0	9.8
30°-40°	727.4	18.1
40°-50°	1207.4	30.0
50°-60°	1232.2	30.7
60°-70°	202.1	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°	4020.1	100.0
0°-180°	4020.1	100.0

Coefficient of Utilization



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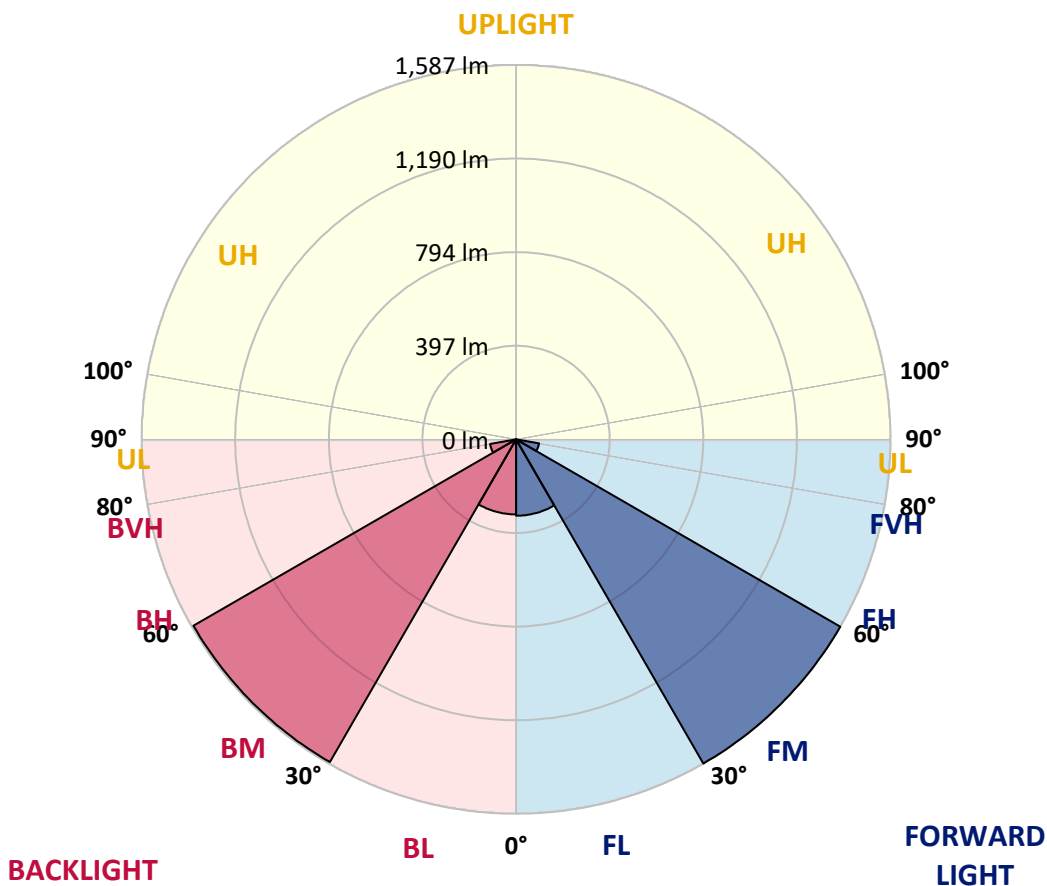
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.9	8.1			
FM (30°-60°)	1587.3	39.5			
FH (60°-80°)	98.8	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	318.2	7.9	B1/500		
BM (30°-60°)	1579.6	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°	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8
2.5°	561.1	562.5	564.2	566.0	568.2	570.5	571.8	575.8	574.9	578.5	578.5
5°	554.9	556.2	558.5	562.5	567.3	572.2	575.8	583.8	588.2	595.4	598.0
7.5°	558.0	559.8	562.5	568.7	576.2	583.8	587.8	600.7	609.6	622.9	630.5
10°	568.2	570.0	574.5	585.1	594.9	605.6	610.5	626.9	641.2	659.4	670.1
12.5°	579.8	582.0	590.9	606.9	623.8	638.0	644.7	662.9	677.6	698.1	715.0
15°	591.8	595.4	609.1	632.7	656.7	675.8	683.0	702.5	717.2	739.0	758.1
17.5°	619.8	623.8	639.4	664.7	697.6	719.9	726.1	746.5	757.7	772.3	792.3
20°	654.9	662.5	681.6	712.3	748.3	769.7	774.1	794.1	793.2	799.4	816.8
22.5°	698.5	703.9	724.7	761.2	801.7	825.2	835.5	843.9	832.8	827.5	838.6
25°	743.9	750.1	772.8	812.8	858.1	885.3	893.7	900.4	882.6	862.6	863.9
27.5°	802.6	807.0	829.2	871.9	917.3	948.0	955.5	967.1	943.5	911.5	902.6
30°	872.4	876.8	900.4	945.3	990.2	1016.4	1028.0	1042.2	1016.4	976.4	966.2
32.5°	954.2	958.6	988.9	1035.1	1072.0	1100.5	1111.6	1126.7	1106.2	1061.3	1049.8
35°	1052.0	1054.7	1090.2	1140.5	1179.6	1207.2	1214.7	1232.5	1209.8	1164.9	1158.7
37.5°	1165.4	1168.5	1207.2	1265.4	1305.4	1336.1	1348.1	1353.0	1325.4	1275.2	1270.3
40°	1289.9	1300.1	1337.9	1400.6	1445.5	1484.2	1494.8	1478.4	1439.7	1371.2	1362.3
42.5°	1419.7	1428.6	1470.8	1538.9	1590.9	1630.5	1630.9	1595.3	1529.5	1434.8	1421.5
45°	1527.8	1531.3	1586.0	1654.5	1718.5	1746.5	1749.2	1684.7	1585.6	1471.7	1443.3
47.5°	1602.0	1607.8	1655.4	1721.2	1791.9	1817.2	1811.9	1731.4	1612.2	1495.7	1448.6
50°	1602.9	1612.7	1664.3	1727.8	1796.3	1827.0	1819.4	1744.7	1627.3	1496.6	1435.7
52.5°	1461.1	1477.1	1561.1	1653.1	1758.1	1810.5	1812.3	1762.1	1621.6	1482.4	1424.2
55°	1102.2	1119.6	1225.4	1382.4	1585.1	1731.4	1756.7	1741.6	1614.9	1488.6	1444.6
57.5°	583.4	570.0	628.7	784.3	1039.1	1297.9	1372.1	1493.1	1540.6	1496.2	1482.4
60°	127.2	135.6	180.5	243.2	405.5	610.5	683.0	890.2	1136.5	1245.9	1325.0
62.5°	54.7	53.8	56.0	63.6	92.9	154.7	189.0	308.6	486.9	668.7	791.9
65°	44.9	45.4	47.1	47.1	44.0	44.5	46.7	70.7	113.8	159.6	214.3
67.5°	33.8	34.2	37.3	38.2	36.0	32.0	31.6	26.7	28.0	35.1	36.5
70°	21.3	21.3	23.1	24.0	24.0	22.2	21.8	19.1	18.7	21.3	24.0
72.5°	11.6	11.6	12.4	12.9	12.4	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°	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8	571.8
2.5°	581.6	576.7	578.5	579.4	578.0	577.1	572.2	570.9	568.7	565.1	564.2
5°	601.1	597.1	596.7	594.0	587.8	580.2	570.9	566.9	562.5	558.0	557.1
7.5°	634.0	629.2	626.0	617.1	602.9	590.9	575.4	566.9	561.1	555.3	554.0
10°	676.3	670.5	661.6	645.2	626.0	608.7	590.5	579.4	570.5	562.5	562.0
12.5°	721.2	715.0	699.0	678.1	654.9	638.9	615.8	600.3	586.9	574.9	573.6
15°	768.3	760.8	739.0	714.1	692.7	676.3	650.9	626.0	605.6	588.2	586.5
17.5°	804.3	795.0	769.2	750.5	733.2	716.3	687.8	654.9	627.8	606.9	602.0
20°	827.0	818.1	793.7	783.4	775.4	763.4	729.6	695.4	665.2	639.4	634.9
22.5°	848.8	838.1	816.8	816.8	823.0	818.1	781.7	742.5	707.0	677.2	670.5
25°	873.3	864.8	849.7	862.1	877.7	877.3	839.9	791.0	750.1	716.7	710.1
27.5°	908.8	900.4	895.0	918.6	938.2	936.8	895.9	843.0	799.9	767.0	760.8
30°	971.5	963.5	957.7	986.2	1011.1	1001.8	956.8	905.7	862.1	824.8	820.3
32.5°	1055.1	1046.7	1039.1	1067.6	1089.8	1077.8	1035.1	987.1	936.8	900.4	891.5
35°	1164.9	1147.1	1139.6	1173.4	1182.7	1169.4	1128.5	1086.2	1032.9	991.1	985.3
37.5°	1278.3	1257.4	1252.1	1281.4	1296.5	1291.7	1243.6	1199.6	1141.8	1095.6	1088.9
40°	1375.2	1356.1	1346.8	1392.6	1426.8	1429.9	1386.8	1333.0	1265.0	1217.0	1205.0
42.5°	1432.2	1415.7	1413.5	1484.6	1540.6	1580.7	1529.1	1473.5	1401.9	1347.7	1337.9
45°	1445.1	1434.4	1453.1	1546.4	1633.6	1706.5	1662.5	1603.8	1526.4	1469.1	1459.7
47.5°	1443.7	1440.2	1473.5	1578.4	1688.7	1778.5	1756.7	1690.5	1615.8	1555.8	1546.9
50°	1424.6	1425.0	1480.6	1594.4	1710.9	1798.1	1776.3	1714.9	1648.2	1589.1	1582.0
52.5°	1417.0	1414.4	1467.3	1589.6	1733.6	1789.2	1740.3	1671.4	1597.1	1524.2	1513.5
55°	1443.7	1437.0	1469.1	1585.6	1736.3	1784.3	1655.4	1506.0	1353.9	1267.6	1260.5
57.5°	1483.7	1476.6	1491.7	1556.2	1597.1	1483.7	1218.3	977.3	820.8	754.5	725.6
60°	1325.0	1320.1	1308.5	1230.7	1055.6	796.3	542.4	345.9	248.5	201.0	201.0
62.5°	822.1	815.5	752.8	559.3	406.4	235.2	129.4	80.9	61.4	57.4	56.9
65°	230.8	229.4	189.9	134.3	85.4	52.9	46.7	47.6	46.7	45.4	44.9
67.5°	34.7	38.2	38.2	31.1	29.8	33.3	39.1	41.8	39.6	37.3	36.5
70°	22.2	24.0	23.1	20.0	21.3	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)