

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: P634253

Luminaire Tested: GWS-SA3B-735-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634253
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-735-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6093.8 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

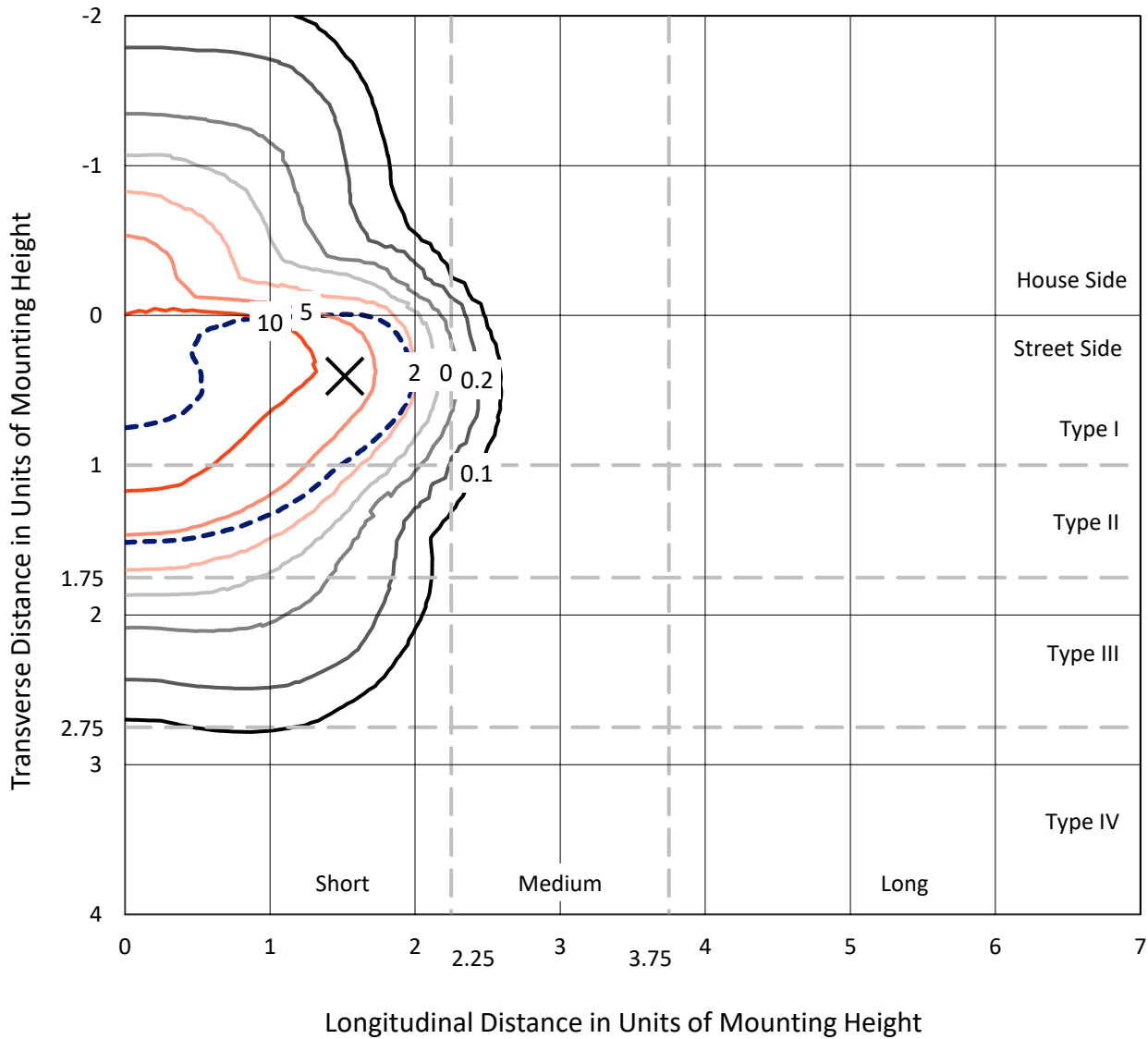
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

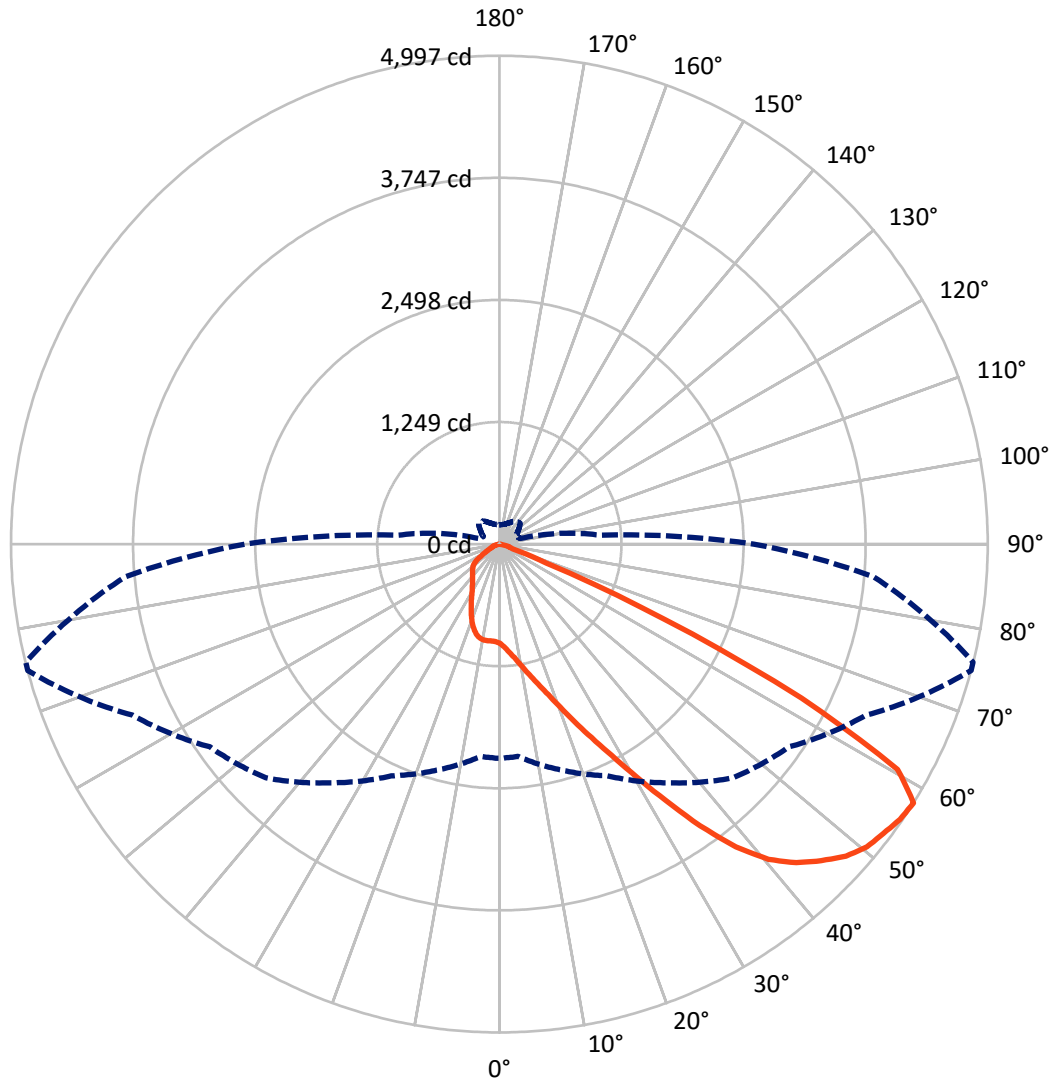
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	995.4	0.0	995.4
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	5098.4	0.0	5098.4
	% Fixture	83.7	0.0	83.7
Total	Lumens	6093.8	0.0	6093.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	1.7
10°-20°	336.0	5.5
20°-30°	615.2	10.1
30°-40°	1020.7	16.8
40°-50°	1558.9	25.6
50°-60°	1751.7	28.7
60°-70°	646.1	10.6
70°-80°	61.8	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°	6093.8	100.0
0°-180°	6093.8	100.0

Coefficient of Utilization



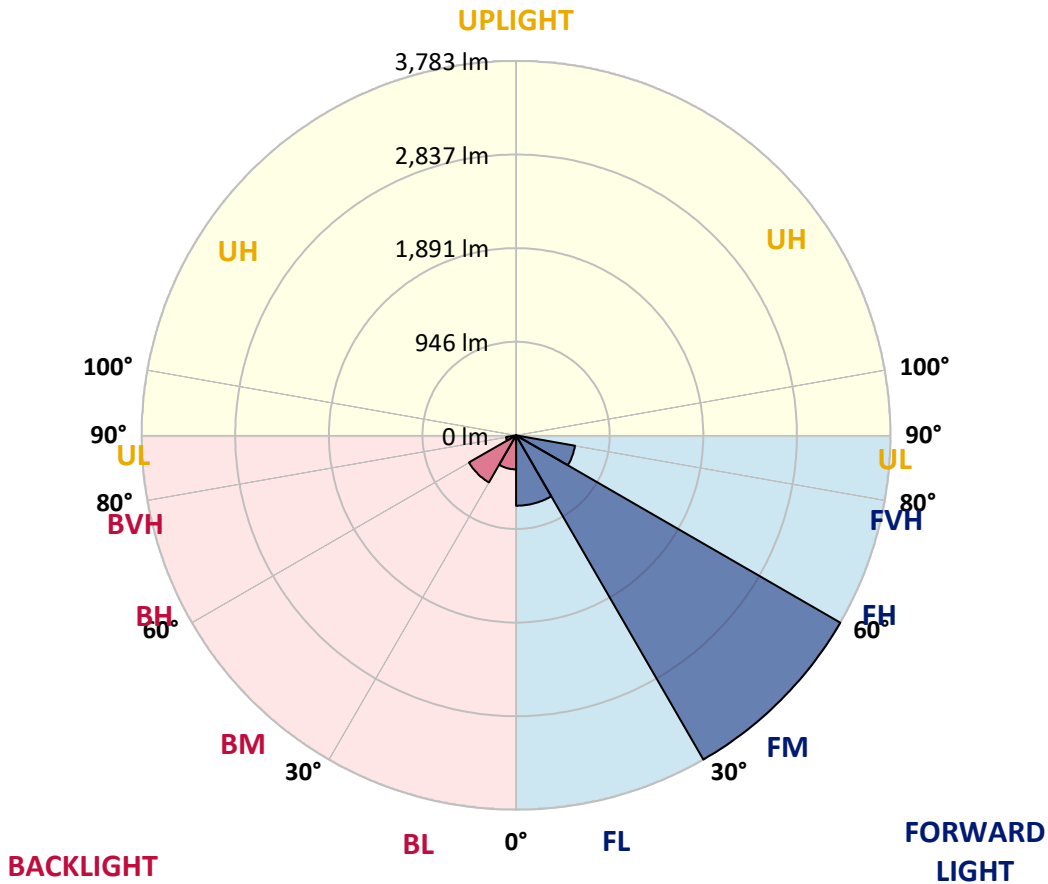
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	711.1	11.7			
FM (30°-60°)	3782.7	62.1			
FH (60°-80°)	604.5	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	343.5	5.6	B1/500		
BM (30°-60°)	548.5	9.0	B1/1000		
BH (60°-80°)	103.4	1.7	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°	55°	65°	75°	76°	85°
0°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4
2.5°	1135.5	1147.3	1143.6	1136.2	1131.8	1116.4	1106.8	1078.9	1059.0	1056.8	1038.4
5°	1278.9	1276.7	1273.8	1264.9	1257.6	1233.3	1204.6	1157.6	1115.6	1110.5	1071.5
7.5°	1357.6	1359.1	1360.5	1359.1	1353.9	1335.5	1303.9	1248.8	1184.8	1180.4	1118.6
10°	1390.0	1392.9	1400.3	1414.2	1426.7	1425.3	1406.9	1350.2	1271.6	1264.2	1181.1
12.5°	1405.4	1409.1	1420.8	1447.3	1481.2	1507.6	1510.6	1459.8	1373.0	1361.3	1255.4
15°	1426.7	1430.4	1445.1	1479.7	1529.0	1581.2	1615.0	1582.6	1485.6	1473.1	1337.0
17.5°	1436.3	1441.4	1462.8	1508.4	1572.3	1652.5	1729.0	1726.0	1618.7	1609.1	1431.9
20°	1454.7	1458.4	1477.5	1526.7	1604.0	1719.4	1848.1	1894.5	1781.2	1767.2	1546.6
22.5°	1512.8	1514.2	1523.1	1554.0	1626.0	1768.0	1969.5	2090.8	1973.2	1954.8	1675.3
25°	1607.6	1606.9	1610.6	1615.7	1668.7	1817.2	2086.4	2312.2	2193.0	2173.2	1820.9
27.5°	1728.3	1728.3	1737.1	1722.4	1743.7	1878.3	2201.9	2566.6	2449.0	2421.0	1980.5
30°	1870.2	1869.5	1890.0	1866.5	1873.1	1974.6	2326.2	2843.9	2757.9	2723.3	2164.4
32.5°	2062.9	2058.5	2082.0	2049.6	2027.6	2120.2	2477.7	3133.7	3127.8	3074.8	2395.3
35°	2306.3	2298.9	2306.3	2274.7	2235.0	2324.0	2676.2	3422.7	3538.1	3482.2	2670.3
37.5°	2548.3	2571.8	2579.9	2525.5	2493.1	2582.1	2915.2	3681.6	3930.1	3872.0	2956.4
40°	2833.6	2826.2	2854.2	2793.2	2772.6	2871.1	3149.1	3874.2	4240.5	4185.3	3210.9
42.5°	3043.9	3057.2	3091.7	3057.9	3041.7	3134.4	3345.5	3986.8	4456.0	4401.5	3392.5
45°	3296.2	3305.7	3319.0	3291.0	3274.1	3365.3	3487.4	4036.0	4620.0	4561.1	3514.6
47.5°	3569.0	3576.4	3576.4	3519.0	3464.6	3502.1	3582.3	4064.0	4770.7	4714.1	3605.1
50°	3764.7	3768.3	3800.7	3760.2	3641.8	3583.7	3625.7	4091.2	4870.7	4817.8	3634.5
52.5°	3591.1	3586.7	3693.3	3777.2	3808.8	3693.3	3700.7	4130.9	4919.3	4873.7	3658.0
55°	3024.1	3016.7	3166.8	3370.5	3649.2	3797.0	3791.1	4154.4	4973.0	4945.0	3743.3
57.5°	2192.3	2179.8	2388.7	2615.2	2980.7	3381.5	3616.8	4141.2	4996.5	4994.3	3842.6
60°	1317.9	1307.6	1504.7	1743.0	2025.4	2428.4	2818.9	3709.5	4681.7	4686.1	3584.5
62.5°	811.2	820.7	998.7	1120.1	1225.2	1346.6	1572.3	2495.3	3468.3	3497.0	2518.8
65°	545.7	553.0	717.8	870.7	870.7	711.9	611.1	1192.9	1850.3	1801.8	1191.4
67.5°	366.2	374.3	504.5	683.2	709.0	496.4	247.8	355.9	515.5	500.1	294.9
70°	215.5	224.3	336.1	468.5	516.3	345.7	165.5	150.8	146.4	141.9	114.7
72.5°	96.3	100.0	171.4	238.3	217.7	145.6	116.9	120.6	114.0	111.8	93.4
75°	29.4	30.9	44.1	51.5	52.2	52.2	70.6	94.9	89.7	90.5	72.1
77.5°	7.4	7.4	11.8	11.0	5.9	5.1	13.2	21.3	22.1	19.9	14.7
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
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°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4
2.5°	1030.3	1011.2	998.7	981.1	968.6	955.3	943.6	934.0	928.8	927.4	928.1
5°	1053.9	1023.7	994.3	960.5	936.9	914.9	897.2	883.2	876.6	874.4	874.4
7.5°	1089.9	1048.0	995.8	942.8	903.1	868.5	847.9	832.5	826.6	825.1	820.7
10°	1137.0	1079.6	993.6	911.2	855.3	819.3	804.6	800.1	802.4	803.1	802.4
12.5°	1193.6	1112.7	979.6	864.9	804.6	782.5	784.0	795.7	809.0	815.6	817.1
15°	1253.9	1142.9	948.0	809.7	761.2	760.4	781.8	809.0	834.7	845.7	848.7
17.5°	1321.6	1167.1	899.4	750.9	723.7	745.0	783.2	825.1	859.7	878.1	881.8
20°	1395.8	1187.0	837.7	695.7	690.6	728.8	781.8	833.2	875.9	896.5	900.2
22.5°	1473.1	1201.0	766.3	645.0	660.4	710.4	767.8	817.8	858.2	881.8	884.7
25°	1561.3	1202.4	693.5	602.3	632.5	685.4	734.0	775.1	809.0	829.6	831.8
27.5°	1638.5	1184.8	628.8	567.8	606.7	654.5	686.9	709.7	733.2	745.0	745.7
30°	1727.5	1153.9	567.8	539.8	580.3	616.3	632.5	637.6	639.8	642.0	639.1
32.5°	1833.4	1116.4	522.2	512.6	550.1	574.4	578.8	568.5	556.0	538.3	533.9
35°	1963.6	1082.5	484.6	486.1	517.0	531.7	528.0	506.0	481.7	460.4	456.7
37.5°	2104.8	1053.9	456.0	460.4	481.0	491.3	480.2	456.0	444.9	426.5	427.3
40°	2229.8	1030.3	430.2	434.6	444.2	453.8	436.1	419.9	440.5	439.1	440.5
42.5°	2318.8	1010.5	408.2	406.0	412.6	419.2	406.0	397.9	432.4	422.9	428.0
45°	2371.0	992.1	389.8	376.5	386.8	398.6	389.8	379.5	391.2	347.1	343.4
47.5°	2406.3	981.8	373.6	347.9	366.2	386.8	368.4	343.4	326.5	288.3	285.3
50°	2410.0	976.6	354.5	318.4	342.0	364.0	342.7	308.1	283.9	267.0	264.8
52.5°	2429.1	986.9	328.0	280.9	306.7	342.0	327.3	292.7	259.6	244.9	242.0
55°	2514.4	1030.3	283.9	229.5	267.0	325.1	314.8	261.1	229.5	220.6	218.4
57.5°	2602.7	1039.2	223.6	181.7	232.4	300.8	287.6	240.5	209.6	199.3	197.1
60°	2379.8	856.0	167.7	150.0	205.2	278.0	266.2	228.0	191.9	179.4	177.2
62.5°	1563.5	462.6	133.1	127.2	172.8	235.3	242.7	205.9	171.4	158.1	157.4
65°	720.7	214.7	102.2	100.8	135.3	187.5	208.9	180.2	144.9	133.1	133.1
67.5°	196.4	106.6	80.2	74.3	91.9	125.8	152.2	134.6	103.0	89.0	88.3
70°	97.8	86.0	72.1	64.0	66.2	78.0	89.7	75.0	52.2	42.7	41.9
72.5°	80.2	70.6	61.0	54.4	50.0	47.8	46.3	37.5	24.3	18.4	17.7
75°	59.6	50.7	43.4	35.3	30.2	27.9	25.0	18.4	10.3	5.9	5.1
77.5°	13.2	12.5	11.8	8.8	8.1	6.6	5.1	3.7	1.5	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	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)