

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: P629721

Luminaire Tested: GWS-SA1C-730-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-730-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3670.5 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

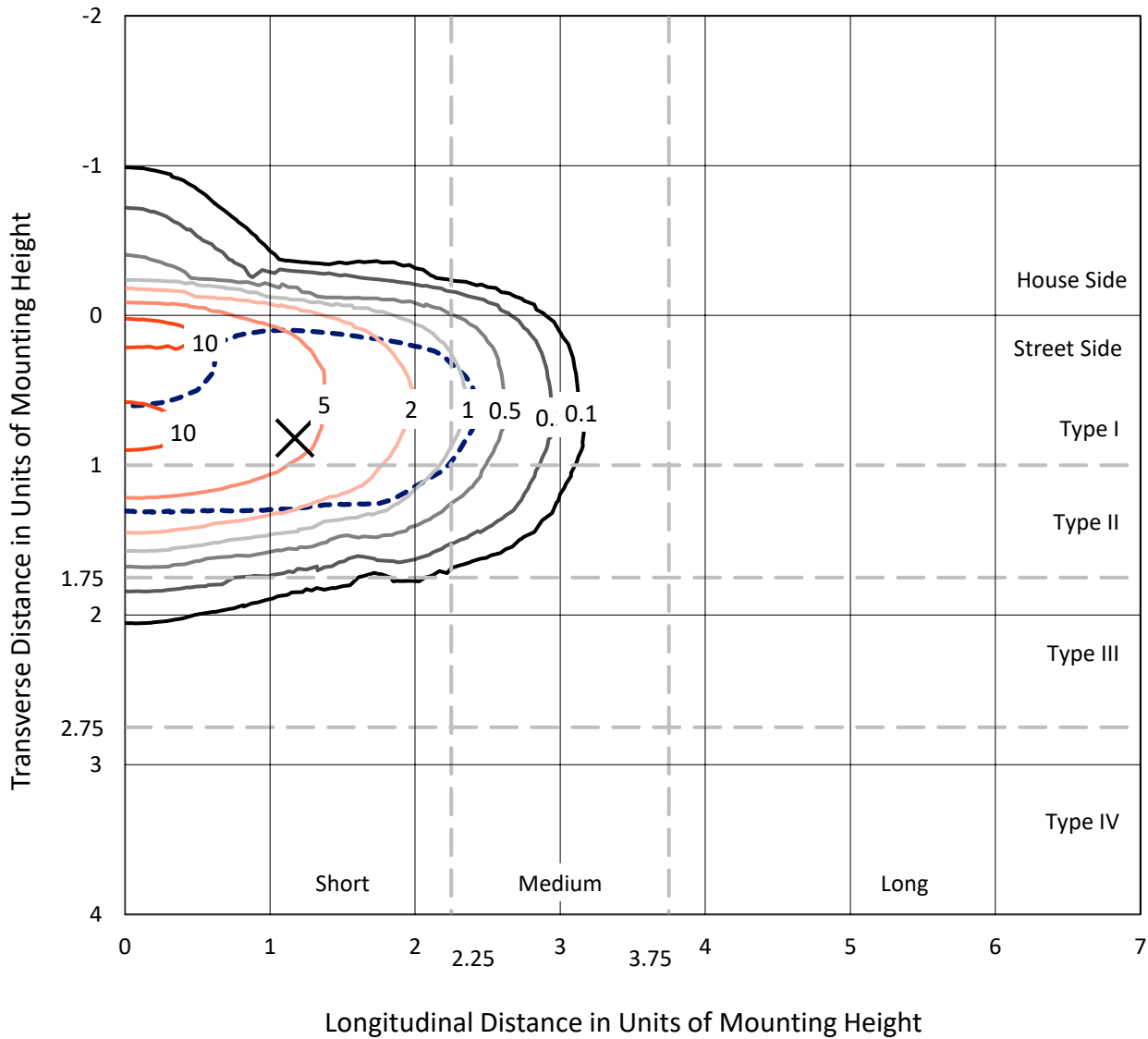
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

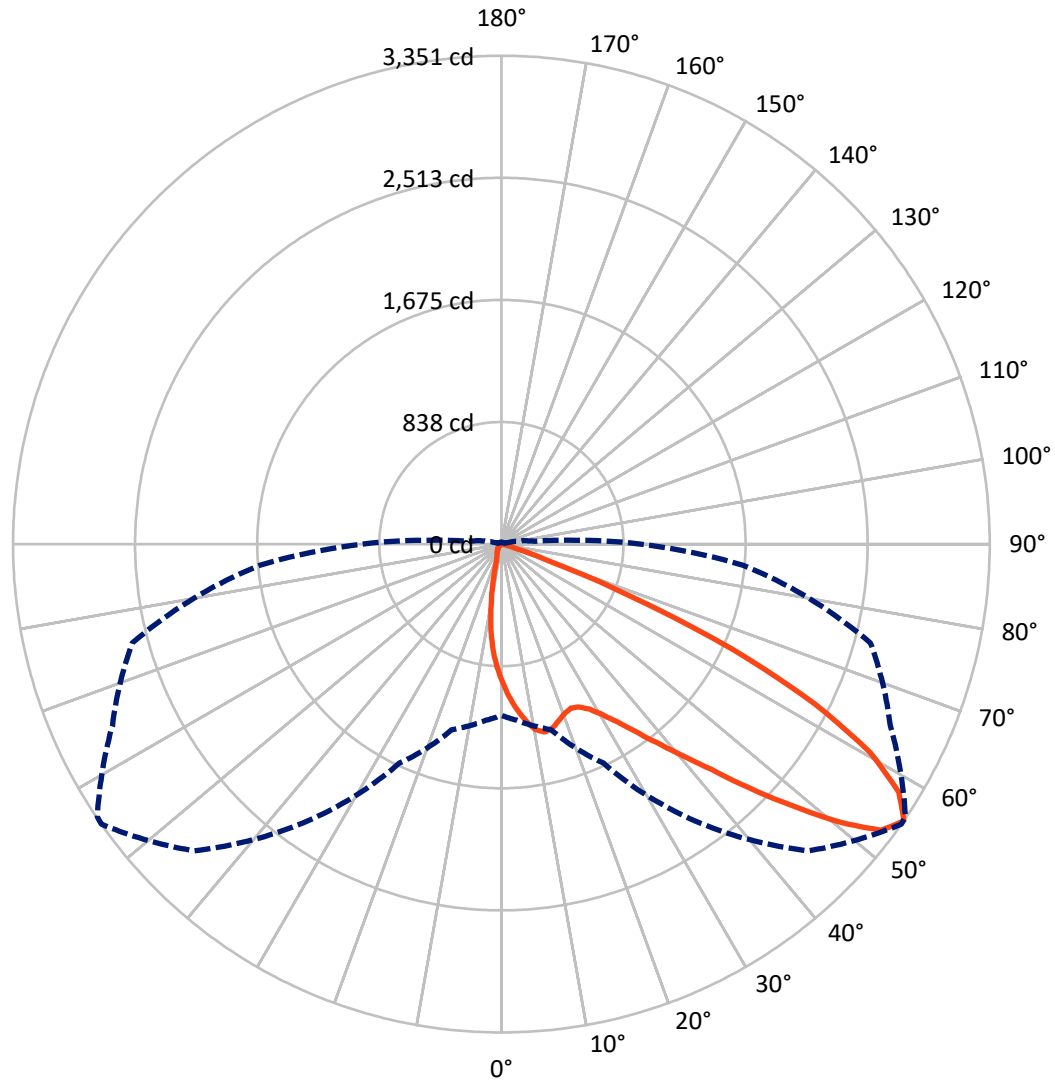
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	226.5	0.0	226.5
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3444.0	0.0	3444.0
	% Fixture	93.8	0.0	93.8
Total	Lumens	3670.5	0.0	3670.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	2.3
10°-20°	202.0	5.5
20°-30°	336.5	9.2
30°-40°	573.4	15.6
40°-50°	935.9	25.5
50°-60°	979.9	26.7
60°-70°	494.2	13.5
70°-80°	62.4	1.7
80°-90°	2.4	0.1
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°	3670.5	100.0
0°-180°	3670.5	100.0

Coefficient of Utilization



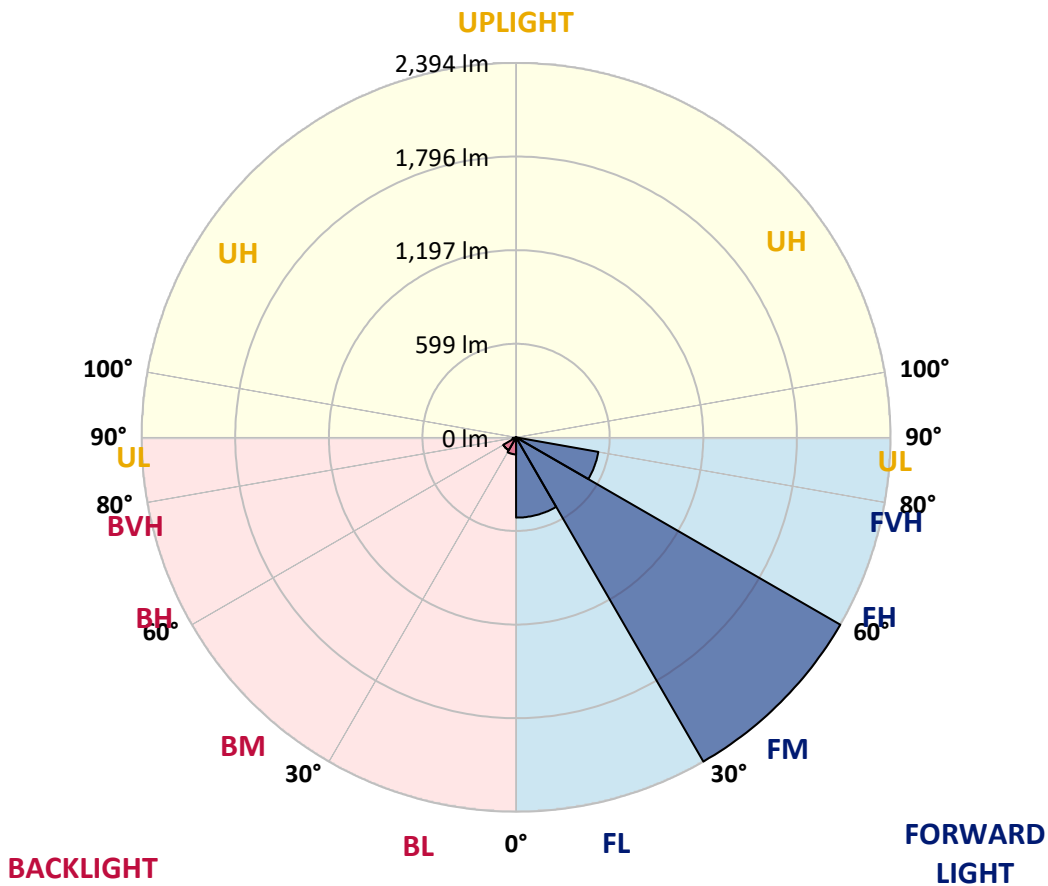
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	513.5	14.0			
FM (30°-60°)	2394.5	65.2			
FH (60°-80°)	533.9	14.5			G0/660
FVH (80°-90°)	2.2	0.1			G0/10
BL (0°-30°)	108.9	3.0	B0/110		
BM (30°-60°)	94.7	2.6	B0/220		
BH (60°-80°)	22.7	0.6	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	948.2	948.2	948.2	948.2	948.2	948.2	948.2	948.2	948.2	948.2	948.2
2.5°	1105.4	1100.1	1108.3	1098.9	1082.9	1069.4	1051.8	1045.5	1017.3	990.6	964.9
5°	1239.7	1241.3	1238.8	1225.6	1203.0	1177.9	1142.5	1134.6	1085.4	1034.5	979.6
7.5°	1273.0	1272.1	1277.4	1282.4	1278.7	1266.1	1227.5	1219.7	1158.5	1082.2	1002.2
10°	1170.4	1171.0	1182.0	1215.9	1257.9	1301.6	1295.6	1291.2	1231.3	1136.2	1027.3
12.5°	1025.4	1031.1	1042.7	1091.0	1162.2	1261.4	1322.9	1327.3	1298.1	1195.5	1056.8
15°	962.7	963.9	973.3	1002.5	1055.6	1177.9	1311.3	1323.5	1354.0	1255.1	1088.8
17.5°	961.1	962.7	966.8	979.6	1014.1	1112.3	1273.9	1295.3	1396.0	1319.1	1127.1
20°	1020.1	1019.2	1016.3	1009.4	1024.5	1090.7	1239.4	1263.0	1418.9	1381.6	1165.7
22.5°	1127.1	1125.8	1113.3	1084.7	1072.5	1110.5	1222.5	1243.8	1432.7	1437.1	1197.4
25°	1250.4	1259.2	1235.7	1192.4	1162.2	1161.0	1237.5	1252.6	1444.6	1486.4	1219.0
27.5°	1385.7	1388.5	1368.4	1319.8	1276.1	1241.9	1281.2	1292.5	1457.8	1530.3	1231.3
30°	1534.1	1533.1	1510.2	1453.7	1400.7	1351.4	1354.6	1359.0	1488.6	1580.5	1244.8
32.5°	1719.5	1723.6	1682.8	1605.9	1542.2	1474.1	1450.6	1451.2	1544.1	1645.1	1265.2
35°	1971.5	1961.4	1907.5	1798.0	1689.4	1616.0	1575.8	1572.4	1629.8	1732.1	1300.6
37.5°	2211.5	2212.5	2156.0	2035.5	1898.4	1782.6	1725.8	1716.4	1750.3	1852.6	1359.6
40°	2378.1	2381.3	2357.7	2294.7	2149.4	1985.6	1902.1	1892.4	1906.5	2005.1	1436.8
42.5°	2466.3	2475.1	2481.7	2496.4	2386.3	2239.1	2110.8	2109.9	2095.1	2178.9	1526.2
45°	2469.8	2482.9	2523.1	2623.8	2636.4	2528.4	2388.8	2367.8	2311.0	2365.0	1606.2
47.5°	2333.3	2363.7	2449.1	2648.6	2780.4	2816.2	2677.8	2664.9	2505.5	2512.1	1666.2
50°	2015.1	2046.8	2204.0	2521.5	2816.8	3044.6	2995.0	2968.4	2668.1	2609.4	1695.0
52.5°	1688.8	1717.6	1824.3	2219.0	2665.9	3116.5	3262.4	3230.7	2814.0	2643.3	1683.1
55°	1175.1	1213.7	1317.9	1658.6	2318.2	2976.5	3350.9	3344.3	2944.2	2621.9	1664.6
57.5°	576.1	614.4	718.2	1022.6	1717.3	2598.7	3215.6	3250.4	3022.0	2599.0	1649.5
60°	240.7	256.4	292.1	448.7	960.8	1963.9	2910.3	2958.6	2974.3	2568.0	1648.0
62.5°	139.6	142.1	145.9	186.1	373.7	1125.8	2414.2	2482.9	2723.6	2526.9	1623.2
65°	105.4	106.4	104.8	114.2	154.4	427.1	1744.3	1837.8	2273.3	2366.2	1525.3
67.5°	86.6	86.6	82.5	84.4	97.0	160.0	963.0	1093.5	1682.2	1944.8	1259.5
70°	69.0	70.6	68.7	66.2	69.3	88.5	342.6	424.9	979.6	1148.4	734.6
72.5°	52.4	52.4	55.5	53.7	51.5	55.5	119.6	134.3	393.2	478.8	265.1
75°	40.5	41.7	43.9	42.0	38.9	32.9	57.4	60.9	118.6	111.4	59.3
77.5°	20.7	21.0	27.9	30.8	28.9	20.1	25.1	27.6	38.6	34.5	22.0
80°	12.6	13.2	15.7	24.2	19.1	10.7	10.4	11.0	18.2	15.7	9.1
82.5°	5.3	5.6	8.8	8.8	7.8	4.1	4.1	4.1	8.8	8.2	3.8
85°	0.0	0.0	1.6	1.3	1.3	1.6	1.6	1.6	2.2	3.1	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.9
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°	948.2	948.2	948.2	948.2	948.2	948.2	948.2	948.2	948.2	948.2	948.2
2.5°	948.2	928.2	901.2	876.7	843.8	825.2	799.5	778.5	760.6	755.0	752.4
5°	948.6	914.0	856.3	798.6	727.7	671.8	614.4	568.9	531.5	519.6	516.5
7.5°	954.8	904.0	810.5	705.7	587.1	489.2	401.6	323.2	286.8	274.6	272.0
10°	963.3	895.5	757.5	594.3	423.9	298.1	211.2	161.0	137.1	123.9	125.8
12.5°	974.3	888.6	698.8	473.8	280.5	163.8	116.1	97.3	92.3	89.7	88.5
15°	989.0	880.5	626.0	354.3	172.0	105.4	89.4	84.4	82.5	81.3	81.0
17.5°	1004.1	871.1	551.9	249.1	114.2	87.5	80.3	77.8	76.6	75.6	75.3
20°	1020.1	855.0	465.0	171.6	90.1	78.8	74.1	71.2	69.7	68.1	67.8
22.5°	1027.0	829.3	381.9	120.2	80.0	72.5	66.5	63.1	61.2	59.9	59.9
25°	1020.4	787.6	295.9	91.3	72.8	65.6	59.6	55.9	54.3	53.0	53.0
27.5°	1002.8	733.9	215.9	75.6	65.0	58.4	52.7	49.3	48.0	47.4	47.4
30°	983.4	666.2	152.2	65.0	56.2	50.8	46.1	43.9	43.6	43.0	43.0
32.5°	966.8	602.8	104.8	57.1	49.6	44.2	41.1	40.2	40.5	39.9	40.2
35°	957.7	540.6	77.8	50.8	44.2	39.2	37.7	37.7	37.7	37.3	37.3
37.5°	961.4	479.5	63.4	46.4	39.5	35.8	34.2	34.8	35.5	35.5	35.5
40°	980.2	425.2	56.2	42.4	35.5	32.6	31.4	32.3	33.3	33.9	33.9
42.5°	1004.1	381.2	50.8	38.9	32.6	29.5	28.9	29.8	30.8	31.4	31.4
45°	1019.2	337.0	45.5	34.5	29.8	26.0	26.0	27.3	27.0	27.3	27.3
47.5°	1026.1	301.9	40.2	29.8	25.4	22.6	22.9	23.5	22.9	23.5	23.5
50°	1009.1	266.4	35.5	24.8	21.0	19.8	20.4	20.1	20.1	21.3	21.3
52.5°	978.1	240.0	31.4	21.0	17.9	17.6	18.2	16.9	17.3	17.3	16.9
55°	955.1	225.0	27.9	18.2	15.4	15.7	15.4	13.2	11.9	10.7	10.4
57.5°	943.8	219.0	25.4	16.3	13.8	13.8	12.6	9.1	6.9	5.3	4.7
60°	941.3	211.8	22.9	14.1	12.2	11.6	9.1	5.3	3.5	2.5	2.2
62.5°	917.5	194.2	20.7	11.3	10.7	9.4	5.6	3.1	1.9	1.3	0.9
65°	839.4	159.7	18.5	8.8	8.2	6.9	3.5	1.9	0.9	0.3	0.0
67.5°	667.7	113.3	16.3	6.6	5.6	4.4	2.2	1.3	0.3	0.0	0.0
70°	385.0	61.2	13.5	4.7	3.8	2.8	1.6	0.6	0.0	0.0	0.0
72.5°	128.6	28.6	10.4	3.1	2.8	2.2	0.9	0.3	0.0	0.0	0.0
75°	28.2	16.9	6.9	2.2	1.9	1.6	0.6	0.0	0.0	0.0	0.0
77.5°	10.7	11.9	3.5	1.6	1.3	0.9	0.3	0.0	0.0	0.0	0.0
80°	4.1	7.8	1.6	0.9	0.9	0.3	0.0	0.0	0.0	0.0	0.0
82.5°	2.2	3.1	0.9	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.3	1.6	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.3	0.3	0.3	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)