

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: P629666

Luminaire Tested: GWS-SA1C-727-U-AFL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629666  
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-727-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) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

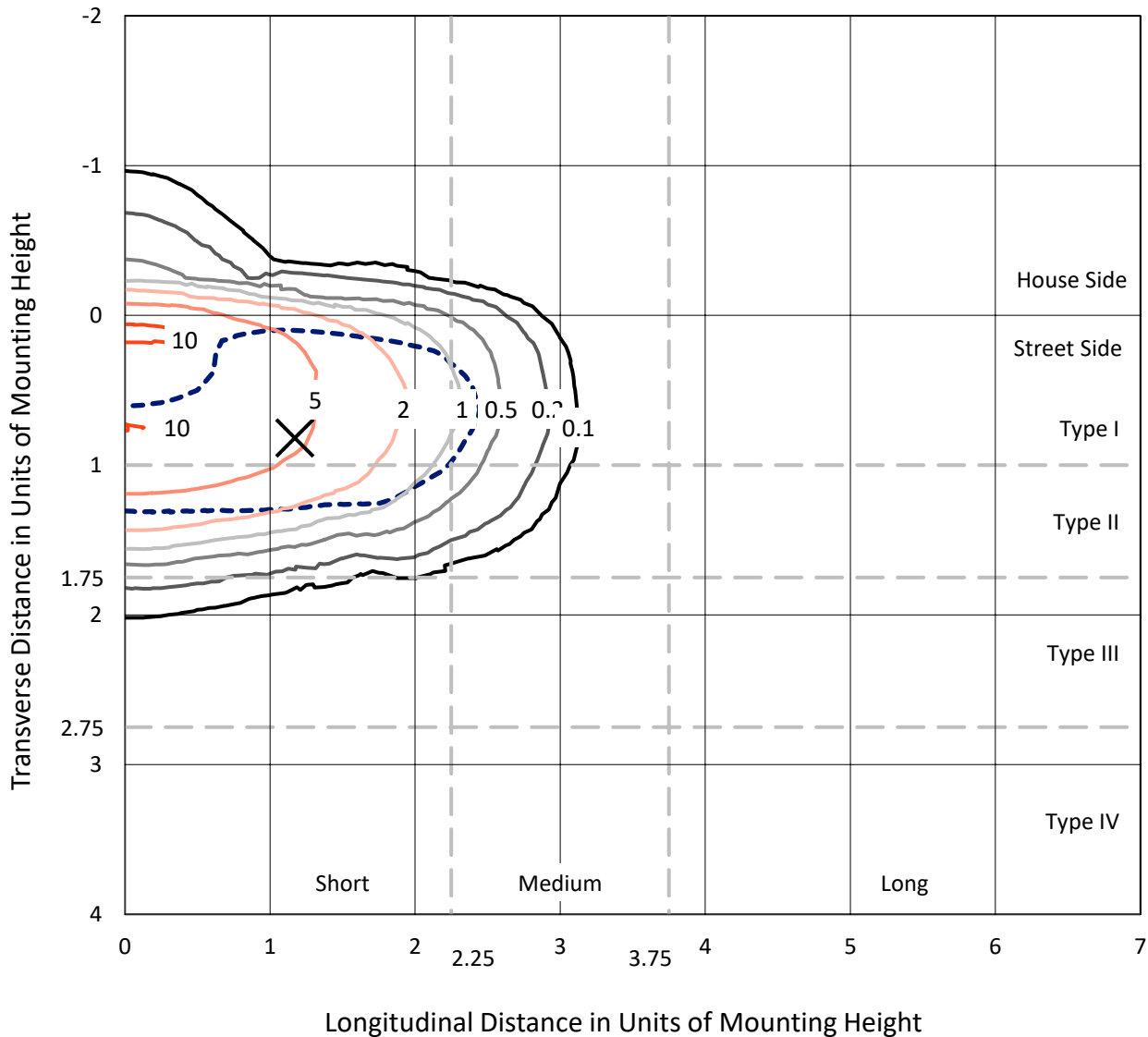
Lumens per Lamp: N/A  
Luminaire Lumens: 3370.9 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

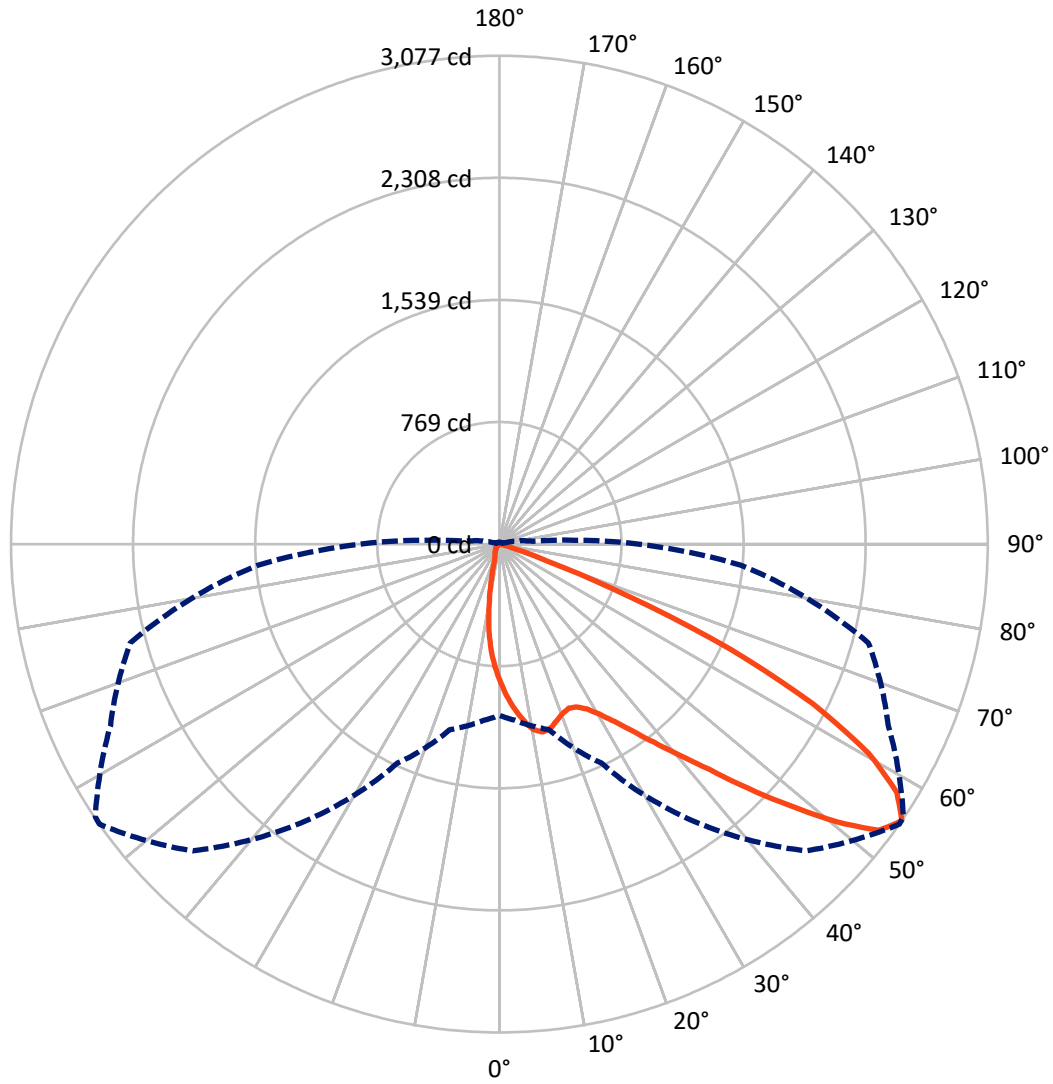
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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
<b>House Side</b>	Lumens	208.0	0.0	208.0
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	3162.9	0.0	3162.9
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	3370.9	0.0	3370.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.0	2.3
10°-20°	185.5	5.5
20°-30°	309.0	9.2
30°-40°	526.6	15.6
40°-50°	859.5	25.5
50°-60°	899.9	26.7
60°-70°	453.9	13.5
70°-80°	57.3	1.7
80°-90°	2.2	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°	3370.9	100.0
0°-180°	3370.9	100.0

**Coefficient of Utilization**



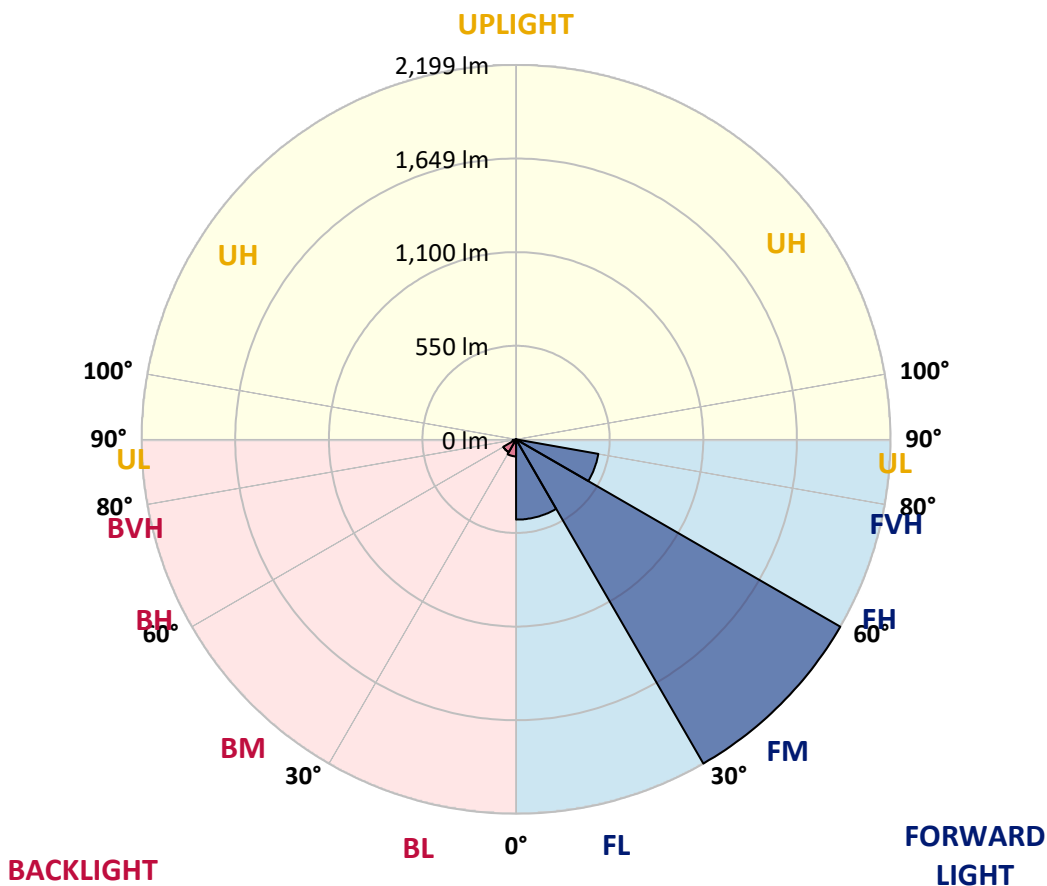
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	471.5	14.0			
FM (30°-60°)	2199.0	65.2			
FH (60°-80°)	490.4	14.5			G0/660
FVH (80°-90°)	2.0	0.1			G0/10
BL (0°-30°)	100.0	3.0	B0/110		
BM (30°-60°)	87.0	2.6	B0/220		
BH (60°-80°)	20.9	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°	870.8	870.8	870.8	870.8	870.8	870.8	870.8	870.8	870.8	870.8	870.8
2.5°	1015.2	1010.3	1017.8	1009.2	994.5	982.1	965.9	960.2	934.2	909.7	886.1
5°	1138.6	1140.0	1137.7	1125.6	1104.8	1081.8	1049.2	1042.0	996.8	950.1	899.7
7.5°	1169.1	1168.2	1173.1	1177.7	1174.3	1162.8	1127.3	1120.1	1063.9	993.9	920.4
10°	1074.9	1075.4	1085.5	1116.7	1155.3	1195.3	1189.8	1185.8	1130.8	1043.5	943.5
12.5°	941.7	946.9	957.6	1002.0	1067.4	1158.4	1214.9	1218.9	1192.2	1097.9	970.5
15°	884.1	885.3	893.9	920.7	969.4	1081.8	1204.3	1215.5	1243.4	1152.7	999.9
17.5°	882.7	884.1	887.8	899.7	931.4	1021.6	1170.0	1189.6	1282.1	1211.5	1035.1
20°	936.8	936.0	933.4	927.0	940.9	1001.7	1138.3	1159.9	1303.1	1268.8	1070.5
22.5°	1035.1	1033.9	1022.4	996.2	985.0	1019.8	1122.7	1142.3	1315.8	1319.8	1099.6
25°	1148.3	1156.4	1134.8	1095.0	1067.4	1066.2	1136.5	1150.4	1326.7	1365.1	1119.5
27.5°	1272.5	1275.1	1256.7	1212.0	1172.0	1140.6	1176.6	1187.0	1338.8	1405.4	1130.8
30°	1408.9	1408.0	1387.0	1335.1	1286.4	1241.1	1244.0	1248.1	1367.1	1451.5	1143.2
32.5°	1579.2	1582.9	1545.4	1474.8	1416.3	1353.8	1332.2	1332.8	1418.1	1510.9	1161.9
35°	1810.6	1801.3	1751.8	1651.2	1551.5	1484.1	1447.2	1444.0	1496.7	1590.7	1194.5
37.5°	2031.0	2031.9	1980.0	1869.3	1743.4	1637.1	1584.9	1576.3	1607.4	1701.3	1248.6
40°	2184.0	2186.9	2165.3	2107.4	1973.9	1823.5	1746.9	1737.9	1750.9	1841.4	1319.5
42.5°	2265.0	2273.1	2279.1	2292.7	2191.5	2056.4	1938.5	1937.6	1924.1	2001.0	1401.6
45°	2268.2	2280.3	2317.2	2409.7	2421.2	2322.1	2193.8	2174.5	2122.4	2171.9	1475.1
47.5°	2142.8	2170.8	2249.1	2432.4	2553.5	2586.3	2459.2	2447.4	2301.0	2307.1	1530.2
50°	1850.6	1879.7	2024.1	2315.7	2586.9	2796.1	2750.6	2726.1	2450.3	2396.4	1556.7
52.5°	1550.9	1577.4	1675.4	2037.9	2448.3	2862.1	2996.1	2967.0	2584.3	2427.5	1545.7
55°	1079.2	1114.6	1210.3	1523.3	2129.0	2733.6	3077.3	3071.3	2703.9	2407.9	1528.7
57.5°	529.1	564.2	659.6	939.1	1577.1	2386.6	2953.1	2985.1	2775.3	2386.9	1514.9
60°	221.0	235.4	268.3	412.1	882.4	1803.6	2672.8	2717.1	2731.5	2358.4	1513.5
62.5°	128.2	130.5	134.0	170.9	343.2	1033.9	2217.2	2280.3	2501.3	2320.6	1490.7
65°	96.8	97.7	96.2	104.9	141.8	392.2	1601.9	1687.8	2087.8	2173.1	1400.8
67.5°	79.5	79.5	75.8	77.5	89.0	147.0	884.4	1004.3	1544.9	1786.1	1156.7
70°	63.4	64.8	63.1	60.8	63.7	81.3	314.7	390.2	899.7	1054.7	674.6
72.5°	48.1	48.1	51.0	49.3	47.3	51.0	109.8	123.3	361.1	439.7	243.5
75°	37.2	38.3	40.3	38.6	35.7	30.3	52.7	55.9	108.9	102.3	54.5
77.5°	19.0	19.3	25.6	28.2	26.5	18.4	23.1	25.4	35.4	31.7	20.2
80°	11.5	12.1	14.4	22.2	17.6	9.8	9.5	10.1	16.7	14.4	8.4
82.5°	4.9	5.2	8.1	8.1	7.2	3.7	3.7	3.7	8.1	7.5	3.5
85°	0.0	0.0	1.4	1.2	1.2	1.4	1.4	1.4	2.0	2.9	1.7
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°	870.8	870.8	870.8	870.8	870.8	870.8	870.8	870.8	870.8	870.8	870.8
2.5°	870.8	852.4	827.6	805.1	774.9	757.9	734.3	714.9	698.5	693.3	691.0
5°	871.1	839.4	786.4	733.4	668.3	617.0	564.2	522.4	488.2	477.2	474.3
7.5°	876.9	830.2	744.3	648.1	539.2	449.3	368.9	296.8	263.4	252.1	249.8
10°	884.7	822.4	695.6	545.8	389.3	273.8	193.9	147.8	125.9	113.8	115.6
12.5°	894.8	816.1	641.7	435.1	257.6	150.4	106.6	89.3	84.7	82.4	81.3
15°	908.3	808.6	574.9	325.3	157.9	96.8	82.1	77.5	75.8	74.6	74.3
17.5°	922.1	800.0	506.9	228.8	104.9	80.4	73.8	71.5	70.3	69.4	69.2
20°	936.8	785.3	427.1	157.6	82.7	72.3	68.0	65.4	64.0	62.5	62.2
22.5°	943.2	761.6	350.7	110.4	73.5	66.6	61.1	57.9	56.2	55.0	55.0
25°	937.1	723.3	271.7	83.9	66.9	60.2	54.8	51.3	49.9	48.7	48.7
27.5°	921.0	674.0	198.3	69.4	59.7	53.6	48.4	45.2	44.1	43.5	43.5
30°	903.1	611.8	139.8	59.7	51.6	46.7	42.4	40.3	40.1	39.5	39.5
32.5°	887.8	553.6	96.2	52.4	45.5	40.6	37.7	36.9	37.2	36.6	36.9
35°	879.5	496.5	71.5	46.7	40.6	36.0	34.6	34.6	34.6	34.3	34.3
37.5°	882.9	440.3	58.2	42.6	36.3	32.9	31.4	32.0	32.6	32.6	32.6
40°	900.2	390.5	51.6	38.9	32.6	30.0	28.8	29.7	30.5	31.1	31.1
42.5°	922.1	350.1	46.7	35.7	30.0	27.1	26.5	27.4	28.2	28.8	28.8
45°	936.0	309.5	41.8	31.7	27.4	23.9	23.9	25.1	24.8	25.1	25.1
47.5°	942.3	277.2	36.9	27.4	23.3	20.7	21.0	21.6	21.0	21.6	21.6
50°	926.7	244.7	32.6	22.8	19.3	18.2	18.7	18.4	18.4	19.6	19.6
52.5°	898.2	220.4	28.8	19.3	16.4	16.1	16.7	15.6	15.8	15.8	15.6
55°	877.2	206.6	25.6	16.7	14.1	14.4	14.1	12.1	11.0	9.8	9.5
57.5°	866.8	201.1	23.3	15.0	12.7	12.7	11.5	8.4	6.3	4.9	4.3
60°	864.5	194.5	21.0	13.0	11.2	10.7	8.4	4.9	3.2	2.3	2.0
62.5°	842.6	178.4	19.0	10.4	9.8	8.6	5.2	2.9	1.7	1.2	0.9
65°	770.8	146.7	17.0	8.1	7.5	6.3	3.2	1.7	0.9	0.3	0.0
67.5°	613.2	104.0	15.0	6.1	5.2	4.0	2.0	1.2	0.3	0.0	0.0
70°	353.6	56.2	12.4	4.3	3.5	2.6	1.4	0.6	0.0	0.0	0.0
72.5°	118.1	26.2	9.5	2.9	2.6	2.0	0.9	0.3	0.0	0.0	0.0
75°	25.9	15.6	6.3	2.0	1.7	1.4	0.6	0.0	0.0	0.0	0.0
77.5°	9.8	11.0	3.2	1.4	1.2	0.9	0.3	0.0	0.0	0.0	0.0
80°	3.7	7.2	1.4	0.9	0.9	0.3	0.0	0.0	0.0	0.0	0.0
82.5°	2.0	2.9	0.9	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.2	1.4	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)