

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: P630626

Luminaire Tested: GWS-SA1E-722-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5537.8 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

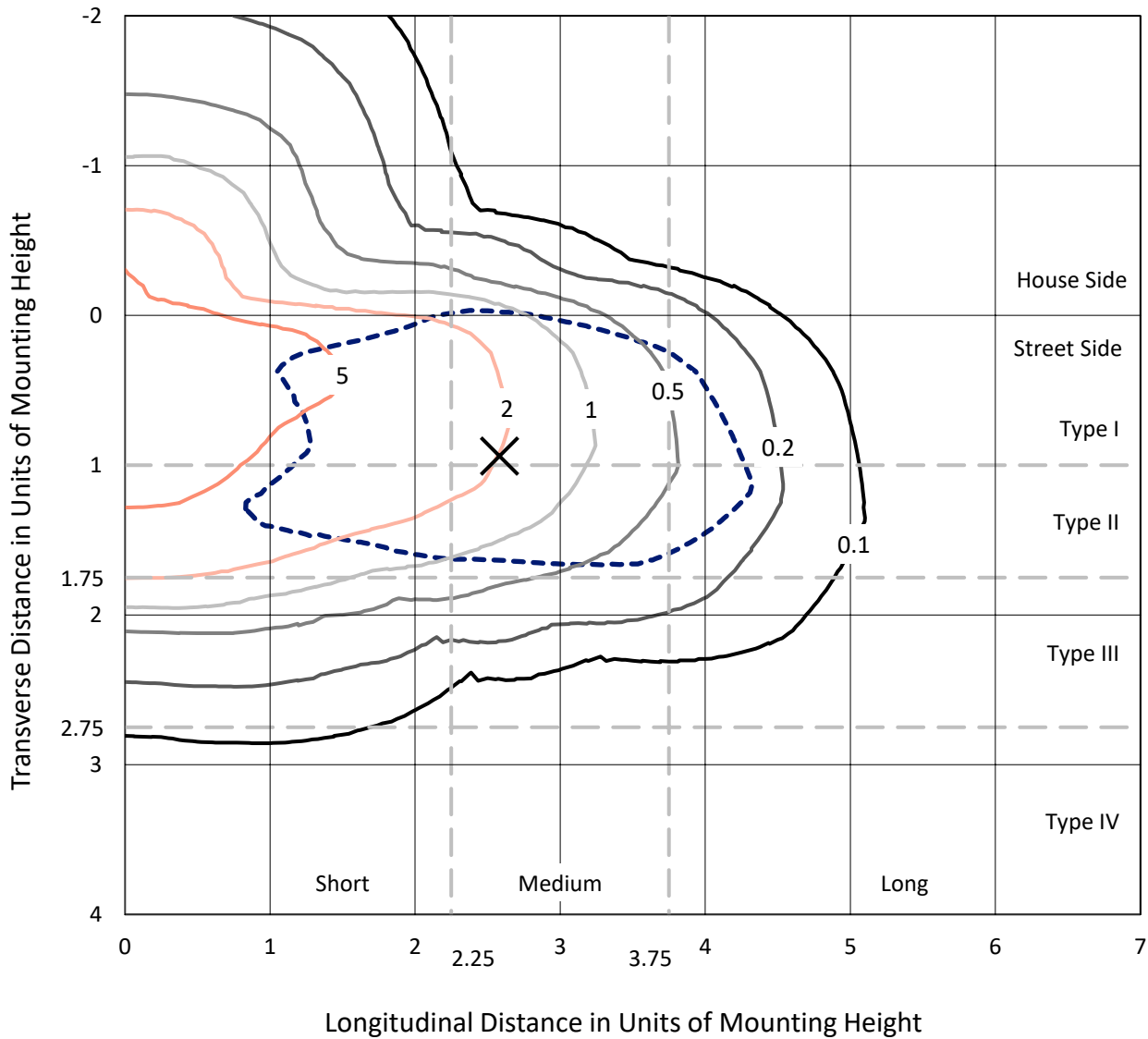
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

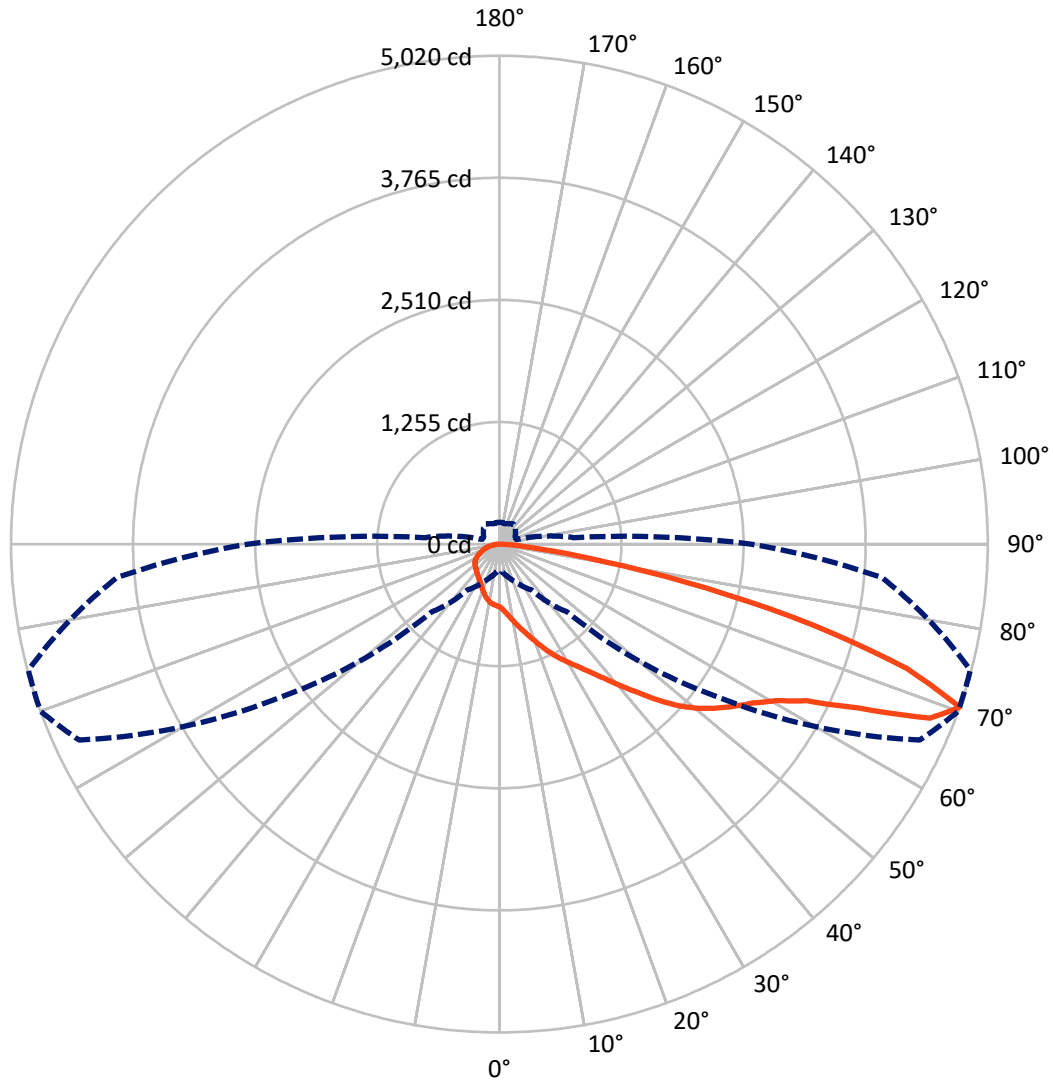
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	992.4	0.0	992.4
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	4545.4	0.0	4545.4
	% Fixture	82.1	0.0	82.1
Total	Lumens	5537.8	0.0	5537.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	1.2
10°-20°	213.5	3.9
20°-30°	378.3	6.8
30°-40°	569.3	10.3
40°-50°	861.3	15.6
50°-60°	1233.9	22.3
60°-70°	1363.9	24.6
70°-80°	769.7	13.9
80°-90°	82.3	1.5
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°	5537.8	100.0
0°-180°	5537.8	100.0

Coefficient of Utilization



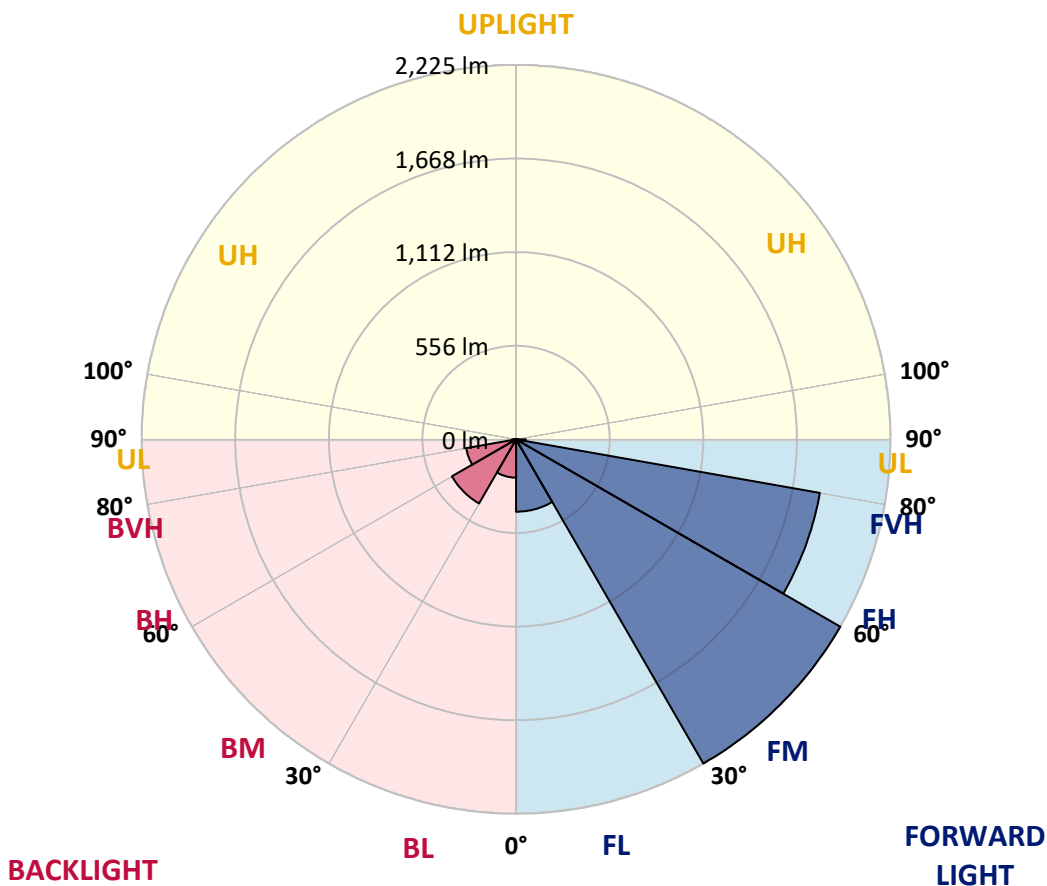
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	429.9	7.8			
FM (30°-60°)	2224.5	40.2			
FH (60°-80°)	1832.8	33.1			G2/5000
FVH (80°-90°)	58.2	1.1			G1/100
BL (0°-30°)	227.5	4.1	B1/500		
BM (30°-60°)	439.9	7.9	B1/1000		
BH (60°-80°)	300.8	5.4	B1/500		G1/500
BVH (80°-90°)	24.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	645.8	645.8	645.8	645.8	645.8	645.8	645.8	645.8	645.8	645.8	645.8
2.5°	715.4	714.2	715.0	714.2	709.8	699.0	690.2	679.0	671.4	667.0	656.6
5°	799.5	798.3	795.5	791.5	783.5	768.7	746.7	722.2	707.4	696.2	674.2
7.5°	859.9	859.9	859.5	854.7	849.1	833.5	807.5	775.5	753.9	734.7	698.6
10°	890.7	892.7	895.5	902.3	901.1	892.7	868.3	833.9	806.7	784.3	730.7
12.5°	907.5	908.7	913.5	927.5	941.9	943.9	929.5	893.5	863.9	833.9	766.3
15°	929.1	929.5	935.9	952.7	973.9	995.1	991.5	955.5	925.1	891.9	805.9
17.5°	945.9	948.7	960.3	979.9	1006.3	1035.6	1053.2	1030.8	993.1	955.1	849.1
20°	951.9	953.9	969.1	999.1	1035.2	1076.4	1115.6	1109.6	1071.6	1026.8	897.9
22.5°	973.5	973.5	984.7	1009.9	1052.4	1112.4	1176.0	1191.6	1158.0	1105.6	950.3
25°	1021.2	1019.6	1024.8	1035.2	1067.2	1141.2	1235.6	1282.4	1244.8	1186.0	1002.7
27.5°	1086.4	1085.6	1085.2	1086.8	1097.6	1166.4	1286.0	1367.3	1329.7	1263.2	1049.6
30°	1157.2	1154.8	1160.0	1155.2	1152.8	1196.4	1328.9	1443.3	1414.1	1339.7	1088.4
32.5°	1253.6	1249.2	1248.0	1232.4	1222.8	1243.2	1363.3	1529.7	1506.5	1422.1	1132.0
35°	1380.9	1376.9	1356.5	1331.7	1303.2	1312.9	1406.1	1614.2	1615.8	1525.3	1189.2
37.5°	1509.3	1510.1	1494.1	1435.7	1406.5	1400.9	1471.3	1717.0	1751.4	1648.6	1263.2
40°	1616.2	1621.0	1621.0	1559.3	1515.7	1510.5	1562.9	1839.0	1907.5	1799.8	1356.9
42.5°	1697.4	1701.8	1715.8	1671.4	1625.4	1643.4	1674.2	1961.5	2084.3	1986.7	1475.3
45°	1786.6	1790.2	1797.8	1772.2	1745.4	1793.4	1800.2	2107.9	2286.8	2196.4	1613.0
47.5°	1905.1	1901.9	1902.7	1883.8	1863.0	1940.7	1939.1	2231.2	2482.5	2426.0	1762.2
50°	2052.3	2058.3	2052.7	2015.5	1991.1	2061.9	2071.1	2367.6	2654.5	2653.3	1912.7
52.5°	2194.0	2196.4	2226.0	2227.6	2177.5	2162.7	2186.8	2505.3	2799.8	2861.4	2057.1
55°	2201.2	2210.4	2299.2	2363.2	2444.0	2325.2	2303.6	2636.5	2940.2	3065.1	2207.2
57.5°	2047.9	2062.7	2213.6	2351.6	2576.5	2604.1	2503.7	2806.2	3080.7	3265.5	2380.8
60°	1720.6	1751.4	1956.3	2167.5	2516.9	2804.6	2913.0	3036.6	3265.1	3470.4	2591.7
62.5°	1098.8	1110.8	1398.1	1751.8	2248.4	2785.0	3358.8	3442.8	3546.0	3737.3	2916.6
65°	550.2	588.6	757.1	1045.6	1621.4	2454.0	3584.0	4186.6	4060.2	4194.2	3443.2
67.5°	373.3	385.7	471.0	628.2	950.7	1738.6	3444.4	4813.3	4776.0	4798.1	4004.6
70°	275.3	283.3	350.5	445.0	575.0	987.1	2742.1	4766.0	5020.1	5012.1	3945.8
72.5°	200.9	204.9	255.7	339.7	426.1	510.6	1674.6	3850.1	4382.3	4613.2	3450.8
75°	146.1	150.9	177.7	254.1	331.3	318.5	826.7	2781.0	3341.9	3786.1	2811.4
77.5°	108.8	114.8	127.2	159.3	232.1	228.1	357.3	1805.8	2161.5	2472.9	1707.8
80°	78.4	79.6	86.8	102.0	147.3	133.6	170.1	941.5	1079.6	1182.8	669.4
82.5°	47.6	48.8	58.0	62.8	91.2	84.0	88.4	304.9	437.0	463.8	250.1
85°	14.0	14.8	26.4	28.8	38.0	36.0	35.6	124.0	148.1	189.3	98.4
87.5°	0.0	0.0	0.0	0.0	0.4	2.4	4.4	22.0	33.2	46.0	24.0
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°	645.8	645.8	645.8	645.8	645.8	645.8	645.8	645.8	645.8	645.8	645.8
2.5°	652.6	643.4	638.6	630.2	624.2	618.2	612.2	606.6	604.2	600.6	601.4
5°	664.2	649.8	635.4	619.0	605.0	593.4	583.0	573.8	569.8	566.2	567.8
7.5°	681.8	660.2	632.6	602.6	580.6	564.6	553.8	547.4	545.4	542.6	542.6
10°	704.2	671.8	623.4	580.6	554.2	541.4	536.6	536.2	538.2	538.6	537.8
12.5°	729.1	683.0	609.8	554.6	532.2	528.2	531.8	538.6	545.4	549.0	548.2
15°	754.7	690.2	586.6	529.8	516.2	521.4	533.0	546.6	559.8	566.6	566.2
17.5°	778.7	691.8	556.6	505.8	502.2	515.4	535.4	556.6	574.6	584.2	584.6
20°	805.5	689.0	525.8	484.2	488.2	509.8	536.2	561.8	583.0	592.6	595.0
22.5°	829.9	679.4	495.8	463.8	476.2	503.0	529.8	553.8	572.6	581.8	585.0
25°	851.9	661.0	463.0	446.6	467.0	493.4	513.8	530.6	543.8	549.4	553.8
27.5°	863.9	633.4	438.2	432.9	458.2	479.8	491.0	496.2	500.6	499.0	502.2
30°	866.3	599.0	416.5	422.1	445.0	461.0	463.4	458.2	450.6	438.2	441.0
32.5°	863.9	559.4	398.5	410.5	430.1	439.8	436.6	422.9	404.5	385.3	386.5
35°	864.7	519.4	383.7	397.7	412.9	418.1	410.1	391.3	371.7	354.1	353.3
37.5°	873.5	485.8	371.3	385.3	396.1	396.9	388.1	368.5	358.5	345.3	343.7
40°	897.9	461.0	360.1	372.9	379.7	379.3	369.3	355.3	362.1	357.7	356.5
42.5°	937.9	445.8	350.9	359.7	364.5	365.3	357.3	348.5	363.3	357.7	355.7
45°	1002.3	445.0	344.5	346.5	354.1	359.7	354.1	344.1	349.7	322.5	317.3
47.5°	1078.8	458.6	339.7	334.9	348.1	358.1	349.3	333.3	321.7	296.9	293.3
50°	1170.8	486.2	335.3	322.5	339.3	352.1	343.3	321.3	303.7	290.5	288.5
52.5°	1280.0	522.6	329.7	308.5	326.1	348.9	343.3	320.1	296.9	284.9	282.9
55°	1394.5	564.6	323.3	291.7	311.3	349.7	346.1	311.7	291.7	285.3	283.7
57.5°	1536.5	615.0	311.7	272.1	298.1	342.5	334.9	306.9	288.1	282.9	281.3
60°	1721.0	689.8	289.7	252.1	282.9	329.7	324.9	298.9	278.5	274.1	272.9
62.5°	2013.1	816.7	262.9	232.9	264.9	302.9	310.1	283.7	266.5	266.1	265.7
65°	2489.3	969.1	231.3	215.7	246.1	280.9	290.5	268.1	254.1	258.5	258.1
67.5°	2823.0	982.3	205.3	197.7	224.1	256.9	270.9	252.1	236.9	245.3	244.9
70°	2585.7	766.3	182.9	178.9	200.5	230.9	249.7	232.1	216.9	224.9	223.3
72.5°	2180.8	587.4	161.7	159.3	176.5	203.7	222.5	212.1	196.1	196.1	192.5
75°	1752.6	484.6	139.2	138.0	149.7	176.1	197.3	179.7	164.9	164.1	161.7
77.5°	1005.1	317.7	116.8	116.0	119.6	147.3	153.3	149.7	138.4	133.2	131.6
80°	400.5	165.3	92.0	86.8	90.4	108.0	120.8	114.8	105.2	98.8	95.2
82.5°	155.3	82.8	64.8	56.8	62.0	78.0	87.6	85.6	79.2	64.8	60.8
85°	63.2	40.4	38.8	32.8	36.0	42.0	50.4	43.6	36.0	25.6	24.4
87.5°	16.8	14.8	14.4	8.8	6.8	2.0	0.4	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)