

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: P629815

Luminaire Tested: GWS-SA1C-735-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4819.4 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

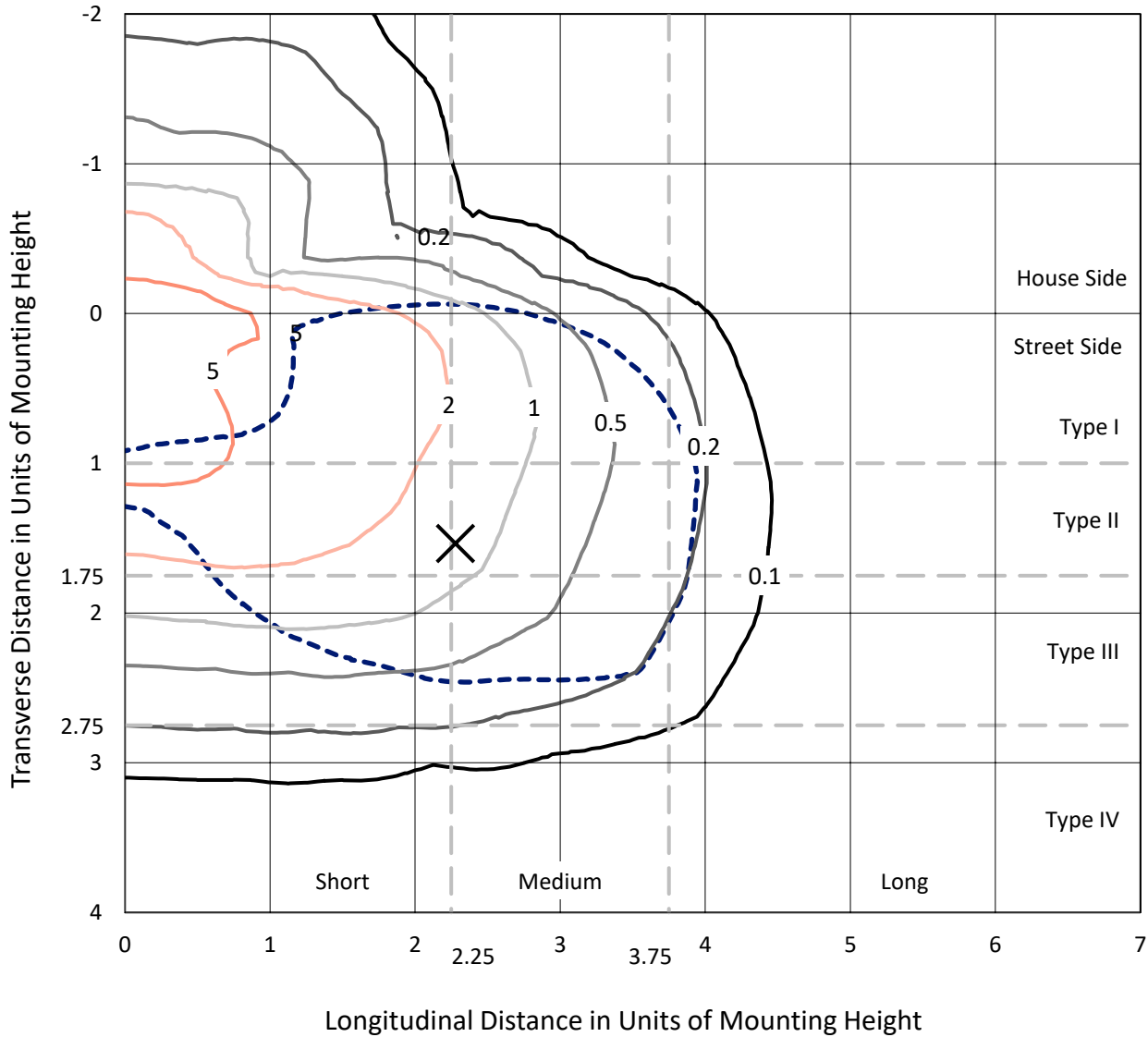
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629815
 CATALOG NUMBER: GWS-SA1C-735-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

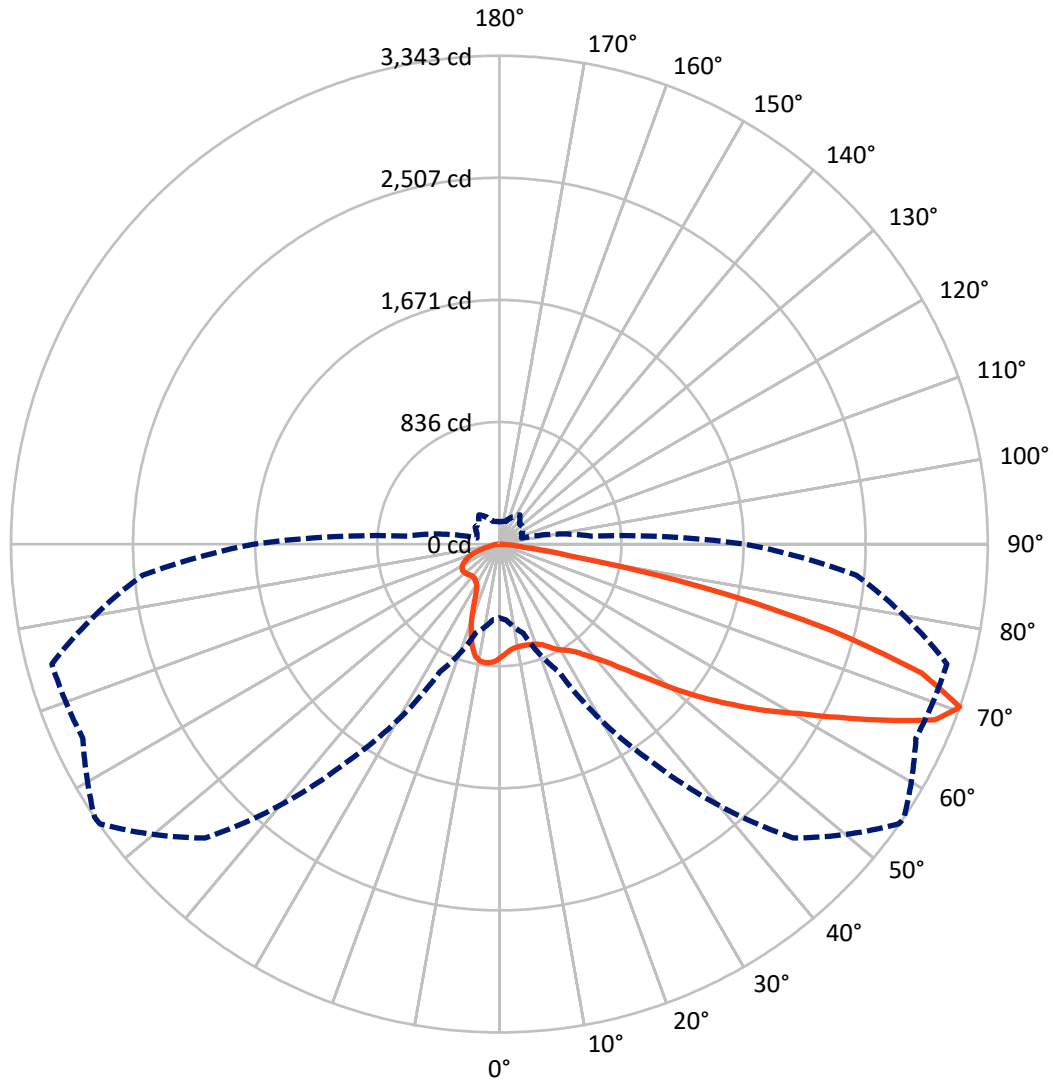
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P629815
CATALOG NUMBER: GWS-SA1C-735-U-T3R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P629815

CATALOG NUMBER: GWS-SA1C-735-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	926.5	0.0	926.5
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	3892.9	0.0	3892.9
	% Fixture	80.8	0.0	80.8
Total	Lumens	4819.4	0.0	4819.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	1.5
10°-20°	195.1	4.0
20°-30°	322.5	6.7
30°-40°	482.2	10.0
40°-50°	717.5	14.9
50°-60°	1020.1	21.2
60°-70°	1263.4	26.2
70°-80°	697.6	14.5
80°-90°	49.1	1.0
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°	4819.4	100.0
0°-180°	4819.4	100.0

Coefficient of Utilization



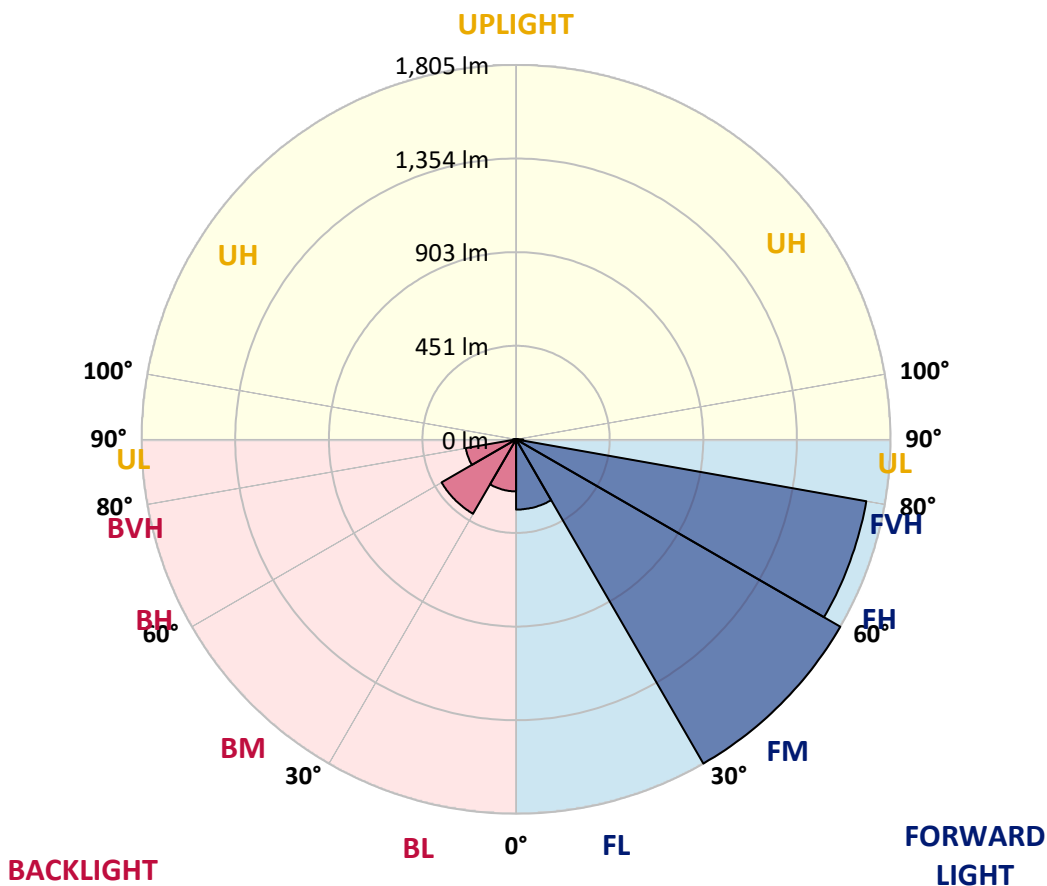
REPORT NUMBER: P629815

CATALOG NUMBER: GWS-SA1C-735-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.7	7.0			
FM (30°-60°)	1805.3	37.5			
FH (60°-80°)	1714.7	35.6			G1/1800
FVH (80°-90°)	34.1	0.7			G1/100
BL (0°-30°)	250.8	5.2	B1/500		
BM (30°-60°)	414.5	8.6	B1/1000		
BH (60°-80°)	246.3	5.1	B1/500		G1/500
BVH (80°-90°)	15.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Medium





REPORT NUMBER: P629815
 CATALOG NUMBER: GWS-SA1C-735-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9
2.5°	728.0	723.9	728.6	731.0	737.1	746.0	753.8	754.1	758.2	768.1	777.6
5°	695.0	693.0	694.3	701.5	707.9	719.1	731.0	732.0	743.6	763.0	782.0
7.5°	669.5	666.8	671.9	681.1	689.2	701.8	717.4	718.8	735.1	764.3	793.6
10°	632.8	630.8	640.3	652.5	670.2	690.9	711.7	713.4	734.8	773.2	813.9
12.5°	616.8	616.8	620.9	632.5	651.8	679.4	710.6	713.4	740.2	786.8	840.1
15°	641.6	643.3	639.9	639.3	647.1	673.3	712.0	716.1	750.4	800.7	865.9
17.5°	691.6	693.3	684.5	670.5	662.7	679.0	717.1	721.5	761.3	816.0	893.8
20°	761.6	763.7	744.3	722.9	696.0	695.7	726.9	731.0	775.2	832.6	923.4
22.5°	843.5	844.9	820.4	786.4	745.3	726.6	743.9	748.0	793.2	855.8	955.3
25°	938.3	942.4	912.8	863.6	807.8	769.1	772.1	776.9	825.5	886.7	993.1
27.5°	1039.6	1044.7	1010.7	956.3	879.5	816.0	808.5	812.6	859.8	905.7	1013.1
30°	1143.3	1147.0	1113.0	1050.8	956.7	869.0	839.1	841.5	874.8	914.9	1033.5
32.5°	1258.5	1255.4	1222.8	1151.1	1045.7	932.6	867.6	867.0	891.4	933.2	1062.7
35°	1366.6	1371.0	1336.3	1257.1	1143.6	1011.1	910.5	907.7	926.8	963.1	1103.8
37.5°	1497.4	1496.0	1454.6	1368.9	1241.8	1086.2	970.6	965.9	972.7	1009.7	1161.3
40°	1590.9	1600.4	1573.5	1493.7	1356.7	1178.6	1041.0	1030.4	1032.1	1067.1	1238.1
42.5°	1667.3	1676.2	1678.9	1627.9	1488.2	1292.8	1128.7	1118.1	1119.1	1168.8	1332.6
45°	1726.1	1738.0	1776.4	1761.5	1636.4	1424.7	1247.3	1236.4	1237.1	1292.1	1446.8
47.5°	1750.2	1763.2	1841.0	1876.7	1793.7	1582.4	1394.8	1378.8	1381.2	1442.0	1577.3
50°	1742.4	1759.8	1865.1	1965.4	1925.6	1742.8	1571.1	1559.9	1550.8	1639.1	1719.0
52.5°	1675.1	1694.2	1862.7	2021.8	2033.3	1894.3	1753.3	1746.8	1744.8	1848.5	1877.4
55°	1477.0	1509.0	1780.8	2036.7	2117.6	2037.1	1950.8	1939.9	1950.4	2072.8	2037.4
57.5°	1367.2	1391.0	1620.4	2020.1	2186.6	2173.0	2147.9	2148.9	2160.8	2316.4	2231.5
60°	1304.7	1332.6	1531.4	1974.6	2252.9	2338.2	2354.2	2354.2	2375.6	2579.2	2428.6
62.5°	1221.8	1250.0	1448.1	1886.9	2314.1	2532.6	2613.5	2612.5	2621.0	2860.9	2621.3
65°	1053.5	1079.7	1280.9	1748.5	2344.0	2746.7	2908.1	2905.1	2888.1	3111.7	2748.7
67.5°	765.0	789.8	981.2	1485.5	2236.2	2919.3	3211.6	3213.0	3111.4	3269.7	2755.5
70°	504.3	521.3	630.8	964.8	1818.6	2844.9	3338.7	3342.8	3145.7	3171.2	2452.4
72.5°	314.7	326.6	393.9	575.4	1074.6	2251.9	3012.5	3023.7	2830.0	2786.8	2015.0
75°	209.0	217.2	262.0	335.4	497.2	1218.7	2289.9	2326.0	2268.2	2184.6	1403.9
77.5°	125.7	132.5	166.9	213.1	220.2	476.1	1336.6	1429.8	1437.9	1140.5	587.9
80°	57.4	65.3	92.1	121.7	117.2	165.8	471.4	493.1	581.8	362.3	185.6
82.5°	34.0	37.4	61.2	60.5	50.0	80.5	169.6	174.0	147.8	132.5	79.2
85°	13.6	16.0	25.8	22.8	18.4	26.2	63.9	67.0	64.2	57.8	29.2
87.5°	0.0	0.0	0.0	0.0	0.3	0.7	5.8	6.1	8.8	16.0	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629815
 CATALOG NUMBER: GWS-SA1C-735-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9	777.9
2.5°	783.7	781.7	791.9	799.7	803.1	806.5	803.4	802.4	802.4	795.6	792.2
5°	792.2	793.2	807.2	813.6	813.6	810.9	802.7	797.0	794.9	786.1	783.7
7.5°	808.2	812.6	825.5	825.2	815.6	800.7	780.3	764.7	750.4	744.3	740.5
10°	834.3	840.1	849.0	834.7	808.2	768.7	725.6	691.6	671.2	654.9	654.9
12.5°	864.2	869.7	868.0	835.0	780.3	706.6	644.4	605.3	576.7	561.8	561.8
15°	894.2	898.6	880.2	819.4	722.2	624.0	556.0	509.1	484.3	470.4	470.4
17.5°	924.4	924.1	885.3	783.4	646.4	532.6	465.9	429.6	421.1	418.7	418.4
20°	953.6	945.8	878.9	723.2	558.4	440.5	398.3	400.7	413.3	418.7	419.4
22.5°	986.6	967.2	859.8	646.4	458.5	376.6	379.3	399.0	417.3	425.5	426.5
25°	1020.2	985.6	827.9	556.3	374.9	353.1	374.2	396.3	417.0	427.5	428.6
27.5°	1033.8	985.6	773.5	452.0	330.3	343.3	366.4	387.8	409.5	421.8	424.1
30°	1045.1	977.1	697.4	357.9	312.0	333.7	353.8	373.5	394.9	409.9	412.6
32.5°	1060.7	969.6	605.3	300.8	303.5	324.6	338.5	355.1	374.5	384.4	383.4
35°	1079.0	958.0	494.1	273.6	296.4	316.7	326.6	336.5	327.6	327.3	328.3
37.5°	1105.2	947.9	397.3	261.3	291.6	311.3	319.5	298.4	286.2	281.1	279.0
40°	1142.9	943.8	313.3	254.2	290.9	311.0	305.2	272.6	255.9	238.2	237.9
42.5°	1190.5	940.7	259.0	250.8	293.3	318.8	285.5	255.6	221.2	213.4	212.7
45°	1251.7	936.0	231.8	250.1	299.1	324.9	283.4	232.1	208.7	205.3	205.3
47.5°	1325.4	928.5	219.5	250.1	305.5	322.2	277.3	227.0	202.9	206.6	209.0
50°	1410.1	919.0	213.1	249.5	312.0	322.2	264.4	226.0	201.5	220.9	228.7
52.5°	1500.5	908.1	208.7	246.7	316.4	322.5	265.1	229.4	202.9	224.3	230.8
55°	1600.4	906.4	202.6	241.0	317.8	313.7	266.8	236.9	204.9	203.2	203.6
57.5°	1726.5	926.8	198.1	232.5	312.3	295.7	270.2	242.3	202.6	202.9	205.3
60°	1858.3	965.2	201.9	224.3	301.1	278.7	272.6	239.6	191.0	185.6	186.2
62.5°	1970.5	994.4	204.9	220.6	284.8	263.7	270.2	233.5	184.5	183.2	186.2
65°	2017.4	970.3	197.5	212.7	261.0	245.4	265.1	225.7	179.1	174.0	174.3
67.5°	1965.4	857.1	182.8	195.4	234.2	221.9	256.9	215.5	171.6	165.5	164.1
70°	1678.9	629.7	157.7	167.9	201.5	194.4	244.4	202.2	159.7	155.3	152.3
72.5°	1353.0	445.9	130.8	133.6	158.0	163.8	222.6	185.6	146.1	133.6	129.1
75°	941.7	280.0	109.1	106.4	114.2	125.1	173.7	154.0	126.1	112.8	108.8
77.5°	405.1	143.8	85.3	83.9	76.1	86.7	133.2	128.5	105.7	90.4	88.0
80°	135.6	83.3	61.5	59.1	50.6	60.8	93.8	102.6	82.9	67.0	62.9
82.5°	68.0	48.3	39.1	35.3	34.0	38.4	55.4	63.9	57.4	46.2	39.1
85°	33.3	27.5	21.4	21.1	17.7	16.7	23.1	27.2	25.8	19.0	18.0
87.5°	12.2	10.9	6.8	5.4	3.4	2.4	1.4	1.4	1.0	1.0	1.0
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)