

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: P630304

Luminaire Tested: GWS-SA1D-735-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5984.7 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

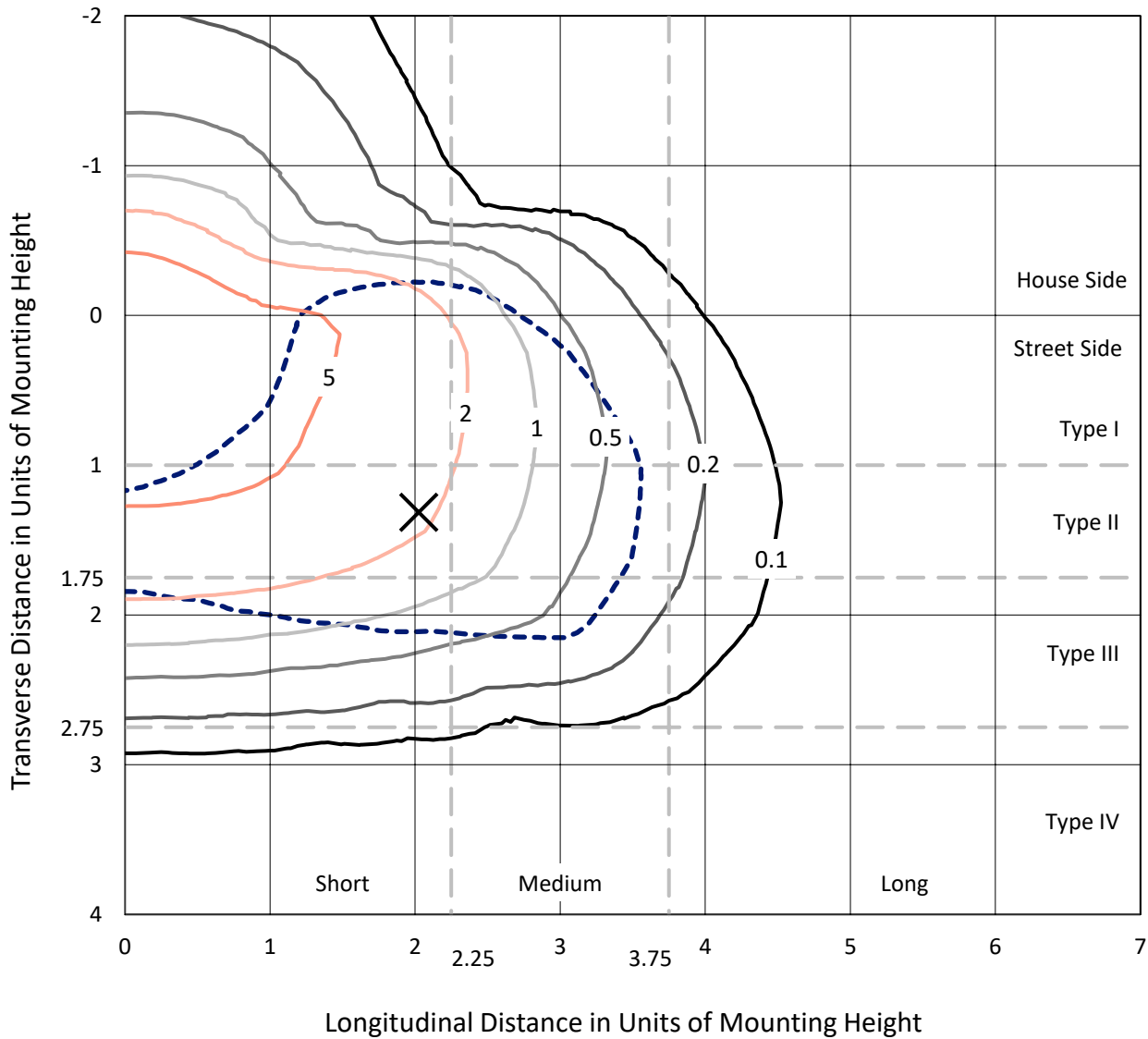
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

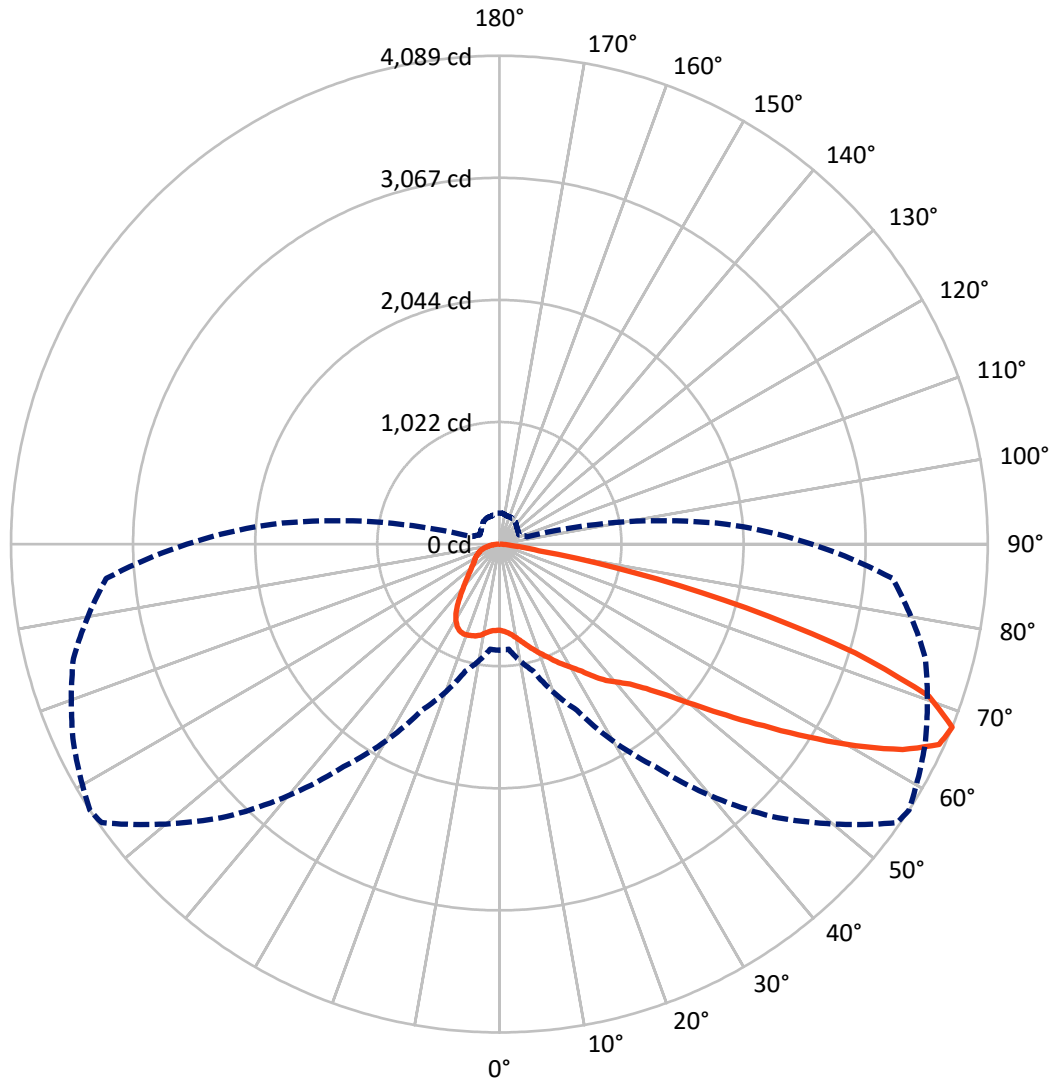
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1315.8	0.0	1315.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	4668.9	0.0	4668.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	5984.7	0.0	5984.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	1.2
10°-20°	236.8	4.0
20°-30°	422.1	7.1
30°-40°	613.7	10.3
40°-50°	888.2	14.8
50°-60°	1390.0	23.2
60°-70°	1621.6	27.1
70°-80°	676.9	11.3
80°-90°	63.9	1.1
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°	5984.7	100.0
0°-180°	5984.7	100.0

Coefficient of Utilization



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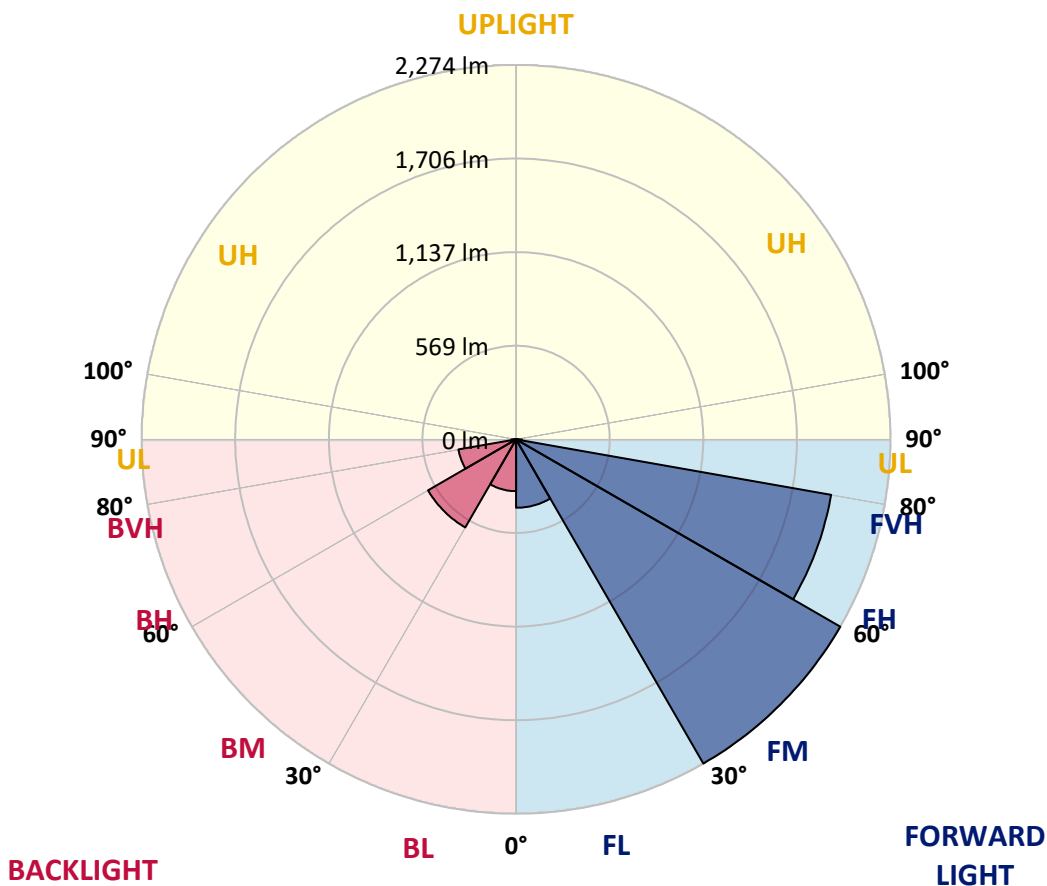
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	415.7	6.9			
FM (30°-60°)	2274.3	38.0			
FH (60°-80°)	1943.3	32.5			G2/5000
FVH (80°-90°)	35.6	0.6			G1/100
BL (0°-30°)	314.7	5.3	B1/500		
BM (30°-60°)	617.7	10.3	B1/1000		
BH (60°-80°)	355.1	5.9	B1/500		G1/500
BVH (80°-90°)	28.3	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1
2.5°	731.4	730.5	730.1	732.7	731.8	731.4	731.4	731.0	730.1	726.7	722.0
5°	751.6	749.8	748.1	750.3	748.6	746.8	746.4	745.6	742.6	737.4	730.1
7.5°	772.6	770.8	771.3	772.6	771.3	770.4	769.1	768.3	763.6	755.4	745.6
10°	802.1	802.1	803.0	804.3	804.7	803.4	800.9	799.6	794.0	783.7	770.0
12.5°	845.0	844.2	844.2	843.3	844.6	843.3	840.7	838.6	831.7	818.4	798.7
15°	901.6	898.2	895.2	889.6	887.9	883.2	884.0	882.7	876.3	858.3	833.4
17.5°	962.1	961.6	956.9	945.8	934.6	926.9	928.6	928.2	924.8	900.3	868.6
20°	1015.2	1017.4	1013.1	1004.5	989.5	974.9	974.1	976.2	971.9	947.5	903.3
22.5°	1074.8	1073.1	1068.8	1057.7	1046.5	1031.1	1025.9	1024.2	1022.5	994.6	938.9
25°	1131.4	1136.6	1131.0	1120.7	1103.5	1086.8	1082.5	1084.2	1079.5	1042.7	977.1
27.5°	1203.0	1205.1	1201.7	1187.6	1173.0	1149.4	1141.3	1141.3	1139.6	1087.7	1007.1
30°	1279.3	1285.3	1279.3	1267.7	1252.7	1218.9	1201.3	1199.6	1194.4	1134.0	1042.2
32.5°	1356.1	1360.3	1356.1	1344.9	1327.8	1298.2	1272.9	1269.0	1262.2	1184.6	1078.2
35°	1424.2	1428.1	1427.2	1429.8	1415.7	1378.4	1362.9	1361.2	1343.2	1250.6	1127.1
37.5°	1498.8	1503.5	1497.1	1502.3	1496.7	1461.5	1456.8	1448.2	1422.5	1312.8	1178.6
40°	1583.7	1588.0	1577.7	1579.9	1573.4	1553.7	1529.7	1518.1	1480.0	1380.1	1259.6
42.5°	1674.6	1684.5	1689.2	1685.3	1670.3	1659.2	1617.2	1602.6	1570.8	1501.4	1392.9
45°	1806.2	1820.8	1827.7	1817.8	1811.4	1795.5	1744.1	1726.5	1709.8	1672.5	1579.0
47.5°	1948.1	1961.4	1983.3	1987.6	1992.7	1980.7	1908.3	1891.1	1894.1	1889.8	1807.9
50°	2061.3	2072.5	2121.8	2174.5	2218.2	2221.7	2129.0	2110.6	2126.9	2140.6	2083.6
52.5°	2143.6	2153.5	2218.7	2327.5	2426.6	2499.9	2400.0	2379.0	2392.3	2423.2	2397.0
55°	2210.5	2224.2	2292.4	2459.6	2659.8	2775.6	2711.7	2685.1	2679.5	2717.7	2732.7
57.5°	2245.7	2249.9	2345.6	2562.9	2830.9	3046.1	3074.0	3043.9	2990.8	3011.8	3089.8
60°	2165.5	2172.8	2303.5	2589.5	2965.9	3314.5	3454.2	3429.4	3316.2	3327.8	3413.9
62.5°	1943.8	1954.1	2111.5	2463.0	2977.1	3493.7	3805.4	3789.5	3637.7	3575.1	3600.9
65°	1559.3	1562.7	1725.6	2150.1	2755.4	3516.0	4050.2	4046.3	3862.4	3715.8	3605.6
67.5°	889.2	883.2	1101.0	1533.5	2274.0	3226.2	4066.0	4088.8	3935.3	3692.6	3305.5
70°	385.4	386.3	486.6	756.7	1471.8	2607.5	3776.6	3815.7	3724.3	3307.2	2629.8
72.5°	178.3	180.9	224.2	327.5	628.5	1617.6	3079.5	3114.7	3036.2	2646.9	1913.4
75°	126.0	128.2	149.6	187.8	289.0	630.2	2060.0	2133.8	2171.9	1979.9	1260.9
77.5°	95.6	98.6	109.3	130.3	178.3	223.4	985.6	1161.4	1383.5	1231.7	649.5
80°	60.9	60.9	72.5	87.0	108.9	116.2	284.7	337.4	677.0	507.6	255.1
82.5°	41.2	42.4	49.3	55.3	62.6	66.0	122.2	130.3	195.5	172.8	105.0
85°	21.9	22.7	25.7	25.3	30.0	26.2	51.4	51.0	71.6	78.5	39.9
87.5°	0.0	0.0	0.4	0.4	0.9	1.3	5.6	6.0	15.0	24.0	13.3
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°	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1
2.5°	724.5	719.4	722.0	721.1	723.7	723.7	719.0	717.7	718.1	713.0	711.3
5°	731.0	725.0	726.3	724.5	727.1	729.3	727.1	727.1	729.7	725.8	723.7
7.5°	745.6	738.7	738.7	736.5	739.6	741.3	739.6	742.1	746.8	743.0	740.8
10°	768.7	760.6	761.0	758.4	759.7	758.8	752.0	749.8	751.1	747.7	746.0
12.5°	798.7	787.6	787.6	782.4	779.4	770.4	756.3	751.1	752.0	749.0	747.7
15°	827.4	817.2	815.0	804.7	791.0	774.3	761.4	758.0	758.8	755.8	753.7
17.5°	861.3	848.0	840.3	821.4	796.1	779.0	766.1	758.0	751.1	744.3	742.6
20°	892.6	875.9	861.7	832.6	801.7	778.1	754.1	734.0	717.3	708.3	706.1
22.5°	924.8	903.3	878.5	840.3	801.3	762.7	718.5	688.1	663.2	649.9	652.5
25°	955.2	928.2	894.3	847.6	787.6	728.4	668.4	622.9	594.6	584.4	581.4
27.5°	980.5	947.1	908.9	844.2	759.3	679.1	599.8	549.2	521.8	510.2	507.2
30°	1008.8	971.1	929.9	828.3	714.7	610.1	522.2	481.0	461.3	450.2	450.6
32.5°	1041.4	1001.9	959.5	797.9	657.7	535.5	458.3	430.0	414.1	403.0	401.3
35°	1085.1	1046.1	979.2	752.0	585.2	466.9	414.6	391.4	371.7	357.1	354.1
37.5°	1139.1	1112.5	981.4	690.7	507.6	419.7	383.3	358.4	334.4	315.1	313.0
40°	1231.7	1201.3	963.8	613.9	441.6	389.3	357.1	328.4	300.5	279.1	276.1
42.5°	1363.8	1301.2	926.0	527.3	391.9	365.3	332.3	295.8	267.5	252.5	250.4
45°	1531.8	1412.6	869.5	445.9	355.0	341.7	306.1	268.0	252.9	242.2	240.1
47.5°	1737.6	1542.6	804.3	382.4	326.3	320.3	279.5	258.5	245.2	236.2	234.1
50°	1983.7	1708.0	750.7	332.7	300.5	295.4	271.0	252.9	242.2	234.9	233.2
52.5°	2264.5	1892.0	724.5	297.1	278.2	273.1	268.0	251.7	242.7	237.1	234.9
55°	2556.1	2085.7	700.1	269.7	259.4	262.4	268.4	255.9	249.1	241.8	239.7
57.5°	2837.7	2267.5	640.1	248.2	245.7	257.2	270.5	260.2	252.1	244.8	242.2
60°	3031.9	2367.0	538.5	231.1	235.4	250.8	265.0	253.8	243.5	240.5	239.2
62.5°	3084.2	2355.0	418.0	213.5	222.9	236.7	250.4	243.1	232.4	237.1	237.5
65°	2962.1	2226.4	313.8	196.4	206.6	218.2	235.4	232.4	228.5	241.4	241.8
67.5°	2616.1	1910.4	239.2	181.4	189.9	204.1	230.7	243.1	243.9	260.2	258.5
70°	1979.4	1427.2	187.4	167.2	177.1	204.1	245.7	251.2	240.9	255.9	252.5
72.5°	1368.5	941.9	159.5	154.8	161.2	194.6	245.2	245.2	234.1	234.1	227.7
75°	850.2	553.9	138.9	138.9	138.9	170.2	238.4	225.9	206.2	197.2	192.1
77.5°	419.7	269.2	116.6	120.9	116.2	142.3	194.6	184.8	172.8	163.3	159.9
80°	179.2	134.6	94.3	99.0	93.5	107.2	154.3	152.2	140.6	128.2	124.3
82.5°	82.3	69.5	75.5	77.6	68.2	80.6	112.8	112.8	106.3	89.2	82.7
85°	35.2	36.9	52.3	52.3	42.9	45.4	60.5	57.4	51.4	42.0	38.6
87.5°	12.0	18.0	26.6	23.2	9.0	3.9	2.1	0.9	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)