

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: P630414

Luminaire Tested: GWS-SA1D-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630414
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-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6206.9 lumens
Efficiency: N/A
Efficacy: 140.1 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

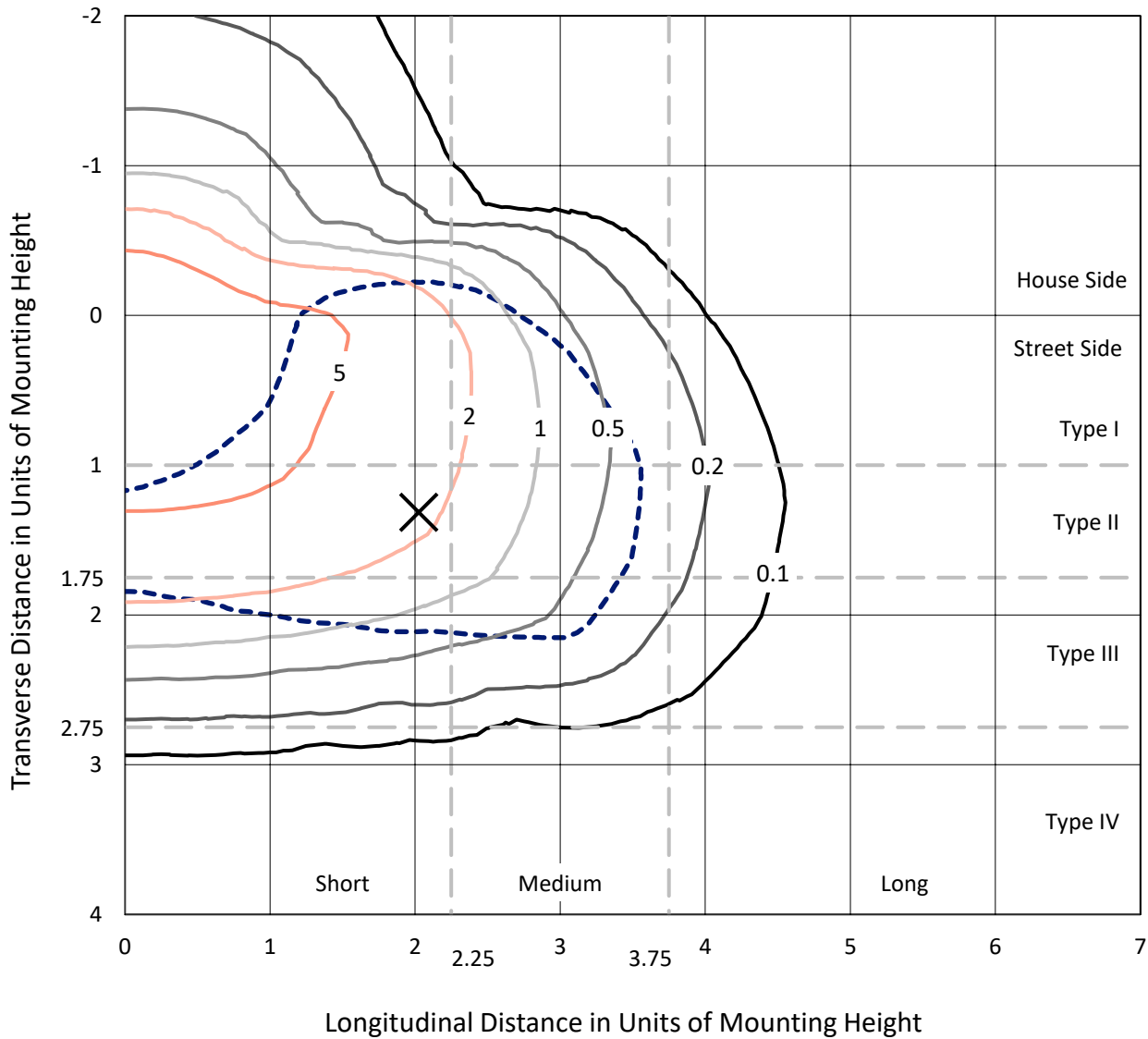
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

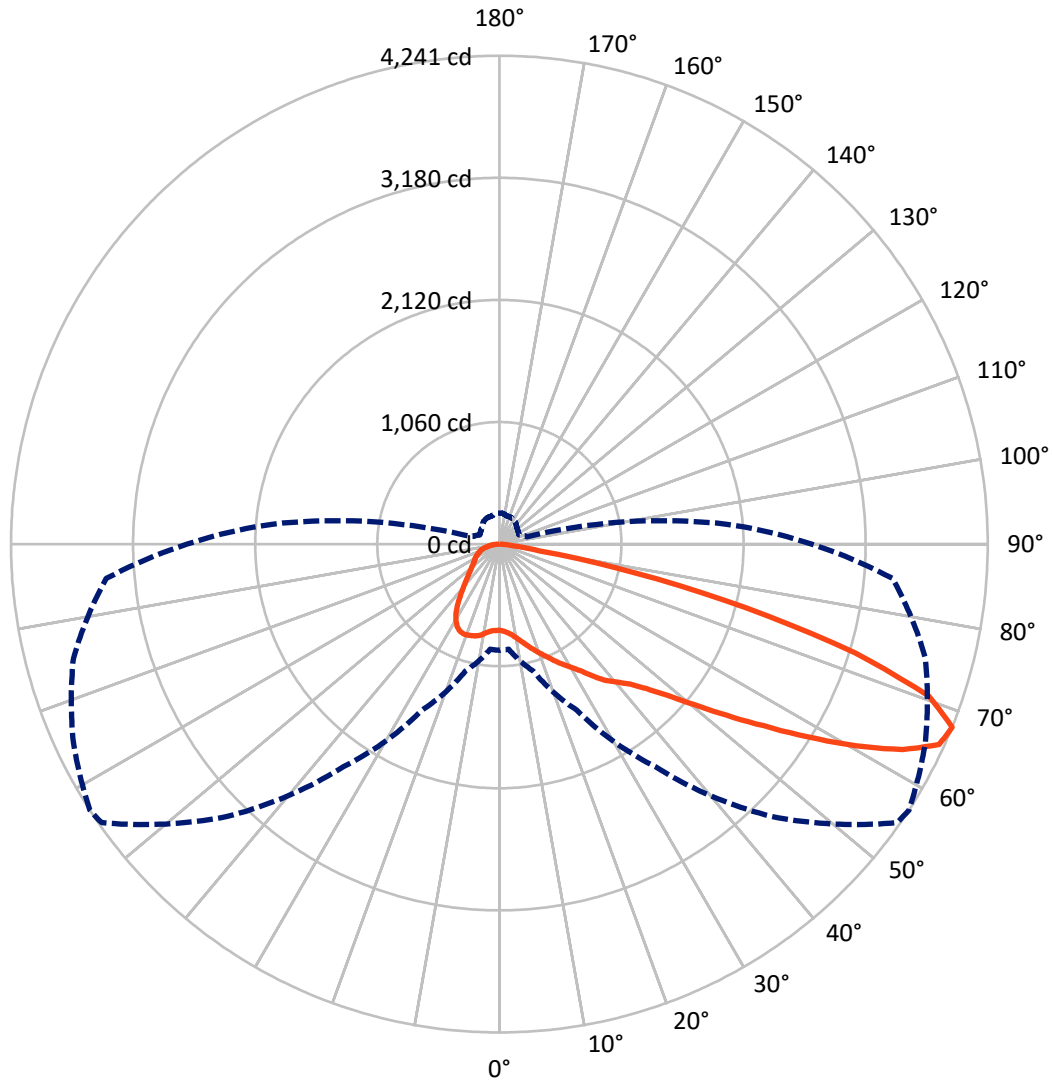
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 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	1364.7	0.0	1364.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	4842.2	0.0	4842.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	6206.9	0.0	6206.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	1.2
10°-20°	245.6	4.0
20°-30°	437.8	7.1
30°-40°	636.5	10.3
40°-50°	921.2	14.8
50°-60°	1441.6	23.2
60°-70°	1681.8	27.1
70°-80°	702.0	11.3
80°-90°	66.2	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°	6206.9	100.0
0°-180°	6206.9	100.0

Coefficient of Utilization



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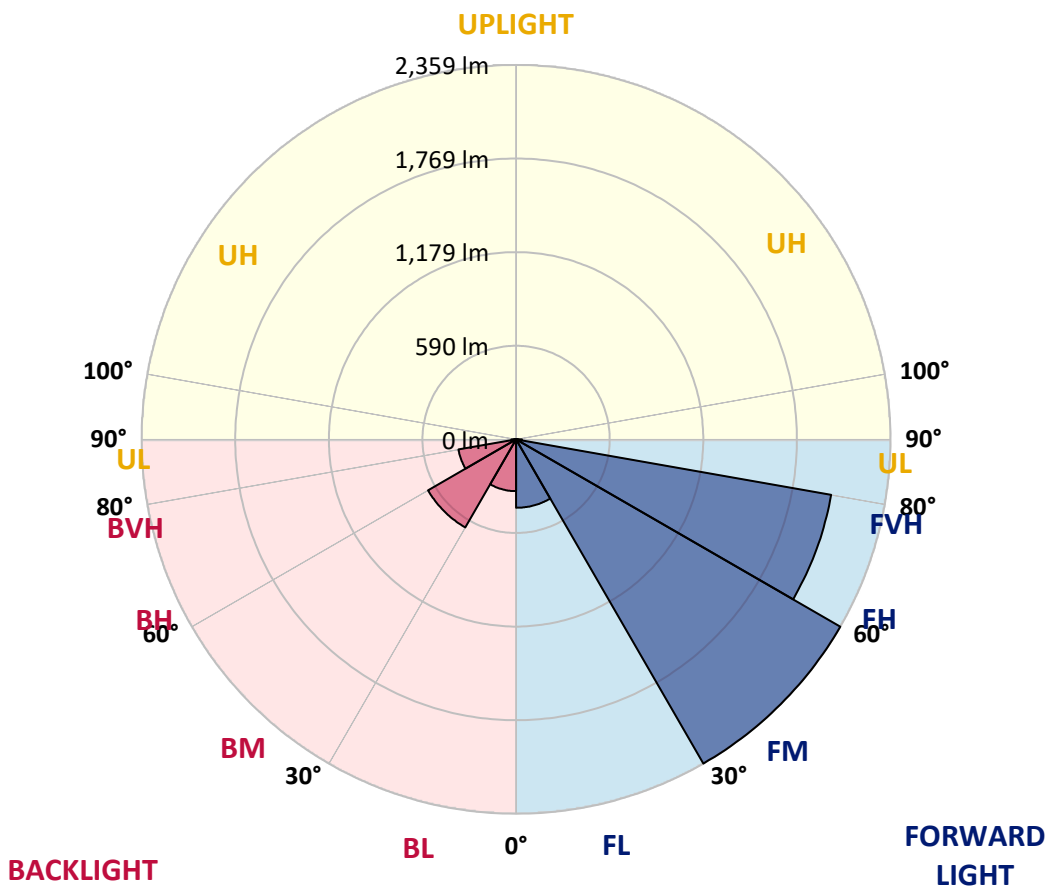
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	431.1	6.9			
FM (30°-60°)	2358.7	38.0			
FH (60°-80°)	2015.5	32.5			G2/5000
FVH (80°-90°)	36.9	0.6			G1/100
BL (0°-30°)	326.4	5.3	B1/500		
BM (30°-60°)	640.6	10.3	B1/1000		
BH (60°-80°)	368.3	5.9	B1/500		G1/500
BVH (80°-90°)	29.3	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°	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9
2.5°	758.6	757.7	757.2	759.9	759.0	758.6	758.6	758.1	757.2	753.7	748.8
5°	779.5	777.7	775.9	778.1	776.3	774.6	774.1	773.2	770.1	764.8	757.2
7.5°	801.2	799.5	799.9	801.2	799.9	799.0	797.7	796.8	791.9	783.5	773.2
10°	831.9	831.9	832.8	834.1	834.6	833.3	830.6	829.3	823.5	812.8	798.6
12.5°	876.4	875.5	875.5	874.6	875.9	874.6	871.9	869.7	862.6	848.8	828.4
15°	935.1	931.5	928.4	922.6	920.9	916.0	916.9	915.5	908.8	890.2	864.4
17.5°	997.8	997.3	992.4	980.9	969.3	961.3	963.1	962.7	959.1	933.7	900.8
20°	1052.9	1055.1	1050.7	1041.8	1026.2	1011.1	1010.2	1012.5	1008.0	982.7	936.9
22.5°	1114.7	1112.9	1108.5	1096.9	1085.4	1069.4	1064.0	1062.3	1060.5	1031.6	973.8
25°	1173.4	1178.7	1173.0	1162.3	1144.5	1127.2	1122.7	1124.5	1119.6	1081.4	1013.3
27.5°	1247.7	1249.9	1246.3	1231.7	1216.5	1192.1	1183.6	1183.6	1181.9	1128.1	1044.5
30°	1326.8	1333.0	1326.8	1314.8	1299.2	1264.1	1245.9	1244.1	1238.8	1176.1	1080.9
32.5°	1406.4	1410.9	1406.4	1394.8	1377.1	1346.4	1320.1	1316.1	1309.0	1228.5	1118.3
35°	1477.1	1481.1	1480.2	1482.9	1468.2	1429.5	1413.5	1411.7	1393.1	1297.0	1169.0
37.5°	1554.5	1559.4	1552.7	1558.0	1552.2	1515.8	1510.9	1502.0	1475.3	1361.5	1222.3
40°	1642.5	1647.0	1636.3	1638.5	1631.8	1611.4	1586.5	1574.5	1534.9	1431.3	1306.4
42.5°	1736.8	1747.0	1751.9	1747.9	1732.3	1720.8	1677.2	1662.1	1629.2	1557.1	1444.6
45°	1873.3	1888.4	1895.5	1885.3	1878.6	1862.2	1808.8	1790.6	1773.2	1734.6	1637.6
47.5°	2020.5	2034.2	2056.9	2061.4	2066.7	2054.2	1979.1	1961.3	1964.4	1960.0	1875.1
50°	2137.8	2149.4	2200.5	2255.2	2300.6	2304.1	2208.1	2189.0	2205.9	2220.1	2161.0
52.5°	2223.2	2233.4	2301.0	2414.0	2516.7	2592.7	2489.1	2467.3	2481.1	2513.1	2486.0
55°	2292.6	2306.8	2377.5	2550.9	2758.6	2878.6	2812.4	2784.8	2779.0	2818.6	2834.2
57.5°	2329.0	2333.5	2432.6	2658.1	2936.0	3159.2	3188.1	3157.0	3101.8	3123.6	3204.5
60°	2245.9	2253.4	2389.1	2685.6	3076.0	3437.5	3582.5	3556.7	3439.3	3451.3	3540.7
62.5°	2016.0	2026.7	2189.9	2554.5	3087.6	3623.4	3946.6	3930.2	3772.8	3707.9	3734.6
65°	1617.2	1620.7	1789.7	2229.9	2857.7	3646.5	4200.5	4196.5	4005.8	3853.7	3739.4
67.5°	922.2	916.0	1141.8	1590.5	2358.4	3345.9	4217.0	4240.6	4081.4	3829.7	3428.2
70°	399.7	400.6	504.7	784.8	1526.5	2704.3	3916.9	3957.3	3862.6	3430.0	2727.4
72.5°	185.0	187.6	232.5	339.7	651.8	1677.6	3193.9	3230.3	3149.0	2745.2	1984.4
75°	130.7	132.9	155.2	194.8	299.7	653.6	2136.5	2213.0	2252.6	2053.4	1307.7
77.5°	99.2	102.3	113.4	135.2	185.0	231.7	1022.2	1204.5	1434.9	1277.5	673.6
80°	63.1	63.1	75.1	90.3	112.9	120.5	295.2	349.9	702.1	526.5	264.6
82.5°	42.7	44.0	51.1	57.4	64.9	68.5	126.7	135.2	202.8	179.2	108.9
85°	22.7	23.6	26.7	26.2	31.1	27.1	53.4	52.9	74.3	81.4	41.4
87.5°	0.0	0.0	0.4	0.4	0.9	1.3	5.8	6.2	15.6	24.9	13.8
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°	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9
2.5°	751.4	746.1	748.8	747.9	750.6	750.6	745.7	744.3	744.8	739.4	737.7
5°	758.1	751.9	753.2	751.4	754.1	756.3	754.1	754.1	756.8	752.8	750.6
7.5°	773.2	766.1	766.1	763.9	767.0	768.8	767.0	769.7	774.6	770.6	768.3
10°	797.2	788.8	789.2	786.6	787.9	787.0	779.9	777.7	779.0	775.5	773.7
12.5°	828.4	816.8	816.8	811.5	808.4	799.0	784.3	779.0	779.9	776.8	775.5
15°	858.2	847.5	845.3	834.6	820.4	803.0	789.7	786.1	787.0	783.9	781.7
17.5°	893.3	879.5	871.5	851.9	825.7	807.9	794.6	786.1	779.0	771.9	770.1
20°	925.7	908.4	893.7	863.5	831.5	807.0	782.1	761.2	743.9	734.5	732.3
22.5°	959.1	936.9	911.1	871.5	831.0	791.0	745.2	713.7	687.9	674.1	676.7
25°	990.7	962.7	927.5	879.1	816.8	755.4	693.2	646.1	616.7	606.0	602.9
27.5°	1016.9	982.2	942.6	875.5	787.5	704.3	622.1	569.6	541.1	529.1	526.0
30°	1046.2	1007.1	964.4	859.0	741.2	632.7	541.6	498.9	478.4	466.9	467.3
32.5°	1080.0	1039.1	995.1	827.5	682.1	555.4	475.3	446.0	429.5	418.0	416.2
35°	1125.4	1084.9	1015.6	779.9	606.9	484.2	430.0	406.0	385.5	370.4	367.3
37.5°	1181.4	1153.8	1017.8	716.3	526.5	435.3	397.5	371.7	346.8	326.8	324.6
40°	1277.5	1245.9	999.6	636.7	458.0	403.7	370.4	340.6	311.7	289.5	286.3
42.5°	1414.4	1349.5	960.4	546.9	406.4	378.8	344.6	306.8	277.5	261.9	259.7
45°	1588.7	1465.1	901.7	462.4	368.2	354.4	317.5	277.9	262.3	251.2	249.0
47.5°	1802.1	1599.8	834.1	396.6	338.4	332.1	289.9	268.1	254.3	245.0	242.8
50°	2057.4	1771.5	778.6	345.0	311.7	306.4	281.0	262.3	251.2	243.7	241.9
52.5°	2348.6	1962.2	751.4	308.1	288.6	283.2	277.9	261.0	251.7	245.9	243.7
55°	2651.0	2163.2	726.1	279.7	269.0	272.1	278.3	265.5	258.3	250.8	248.6
57.5°	2943.1	2351.7	663.9	257.4	254.8	266.8	280.6	269.9	261.4	253.9	251.2
60°	3144.5	2454.9	558.5	239.7	244.1	260.1	274.8	263.2	252.6	249.4	248.1
62.5°	3198.8	2442.4	433.5	221.4	231.2	245.4	259.7	252.1	241.0	245.9	246.3
65°	3072.0	2309.0	325.5	203.6	214.3	226.3	244.1	241.0	237.0	250.3	250.8
67.5°	2713.2	1981.3	248.1	188.1	197.0	211.6	239.2	252.1	253.0	269.9	268.1
70°	2052.9	1480.2	194.3	173.4	183.6	211.6	254.8	260.6	249.9	265.5	261.9
72.5°	1419.3	976.9	165.4	160.5	167.2	201.9	254.3	254.3	242.8	242.8	236.1
75°	881.7	574.5	144.1	144.1	144.1	176.5	247.2	234.3	213.9	204.5	199.2
77.5°	435.3	279.2	120.9	125.4	120.5	147.6	201.9	191.6	179.2	169.4	165.9
80°	185.9	139.6	97.8	102.7	96.9	111.2	160.1	157.8	145.8	132.9	128.9
82.5°	85.4	72.0	78.3	80.5	70.7	83.6	116.9	116.9	110.3	92.5	85.8
85°	36.5	38.2	54.2	54.2	44.5	47.1	62.7	59.6	53.4	43.6	40.0
87.5°	12.4	18.7	27.6	24.0	9.3	4.0	2.2	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)