

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: P630300

Luminaire Tested: GWS-SA1D-735-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6098.4 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

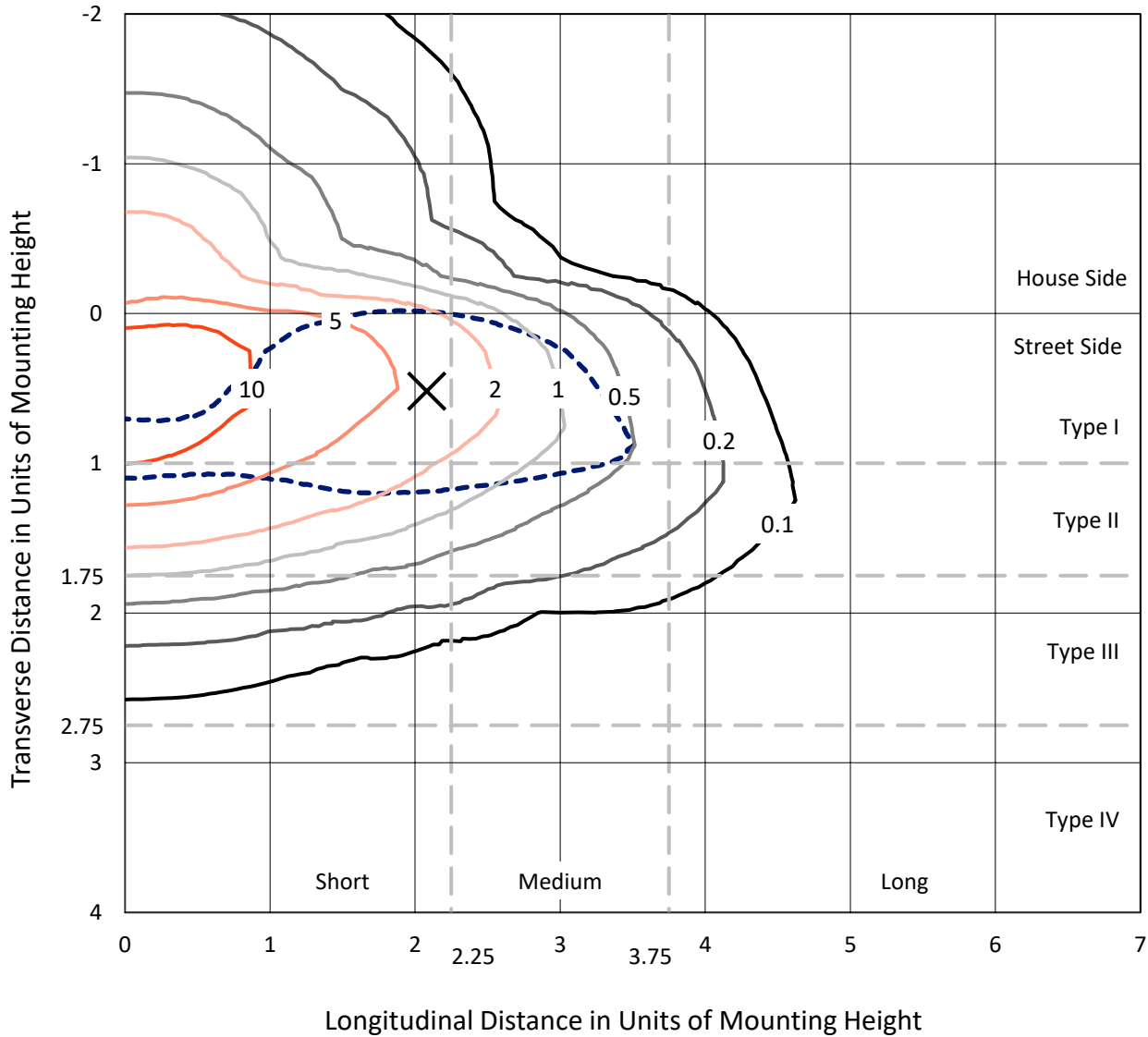
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

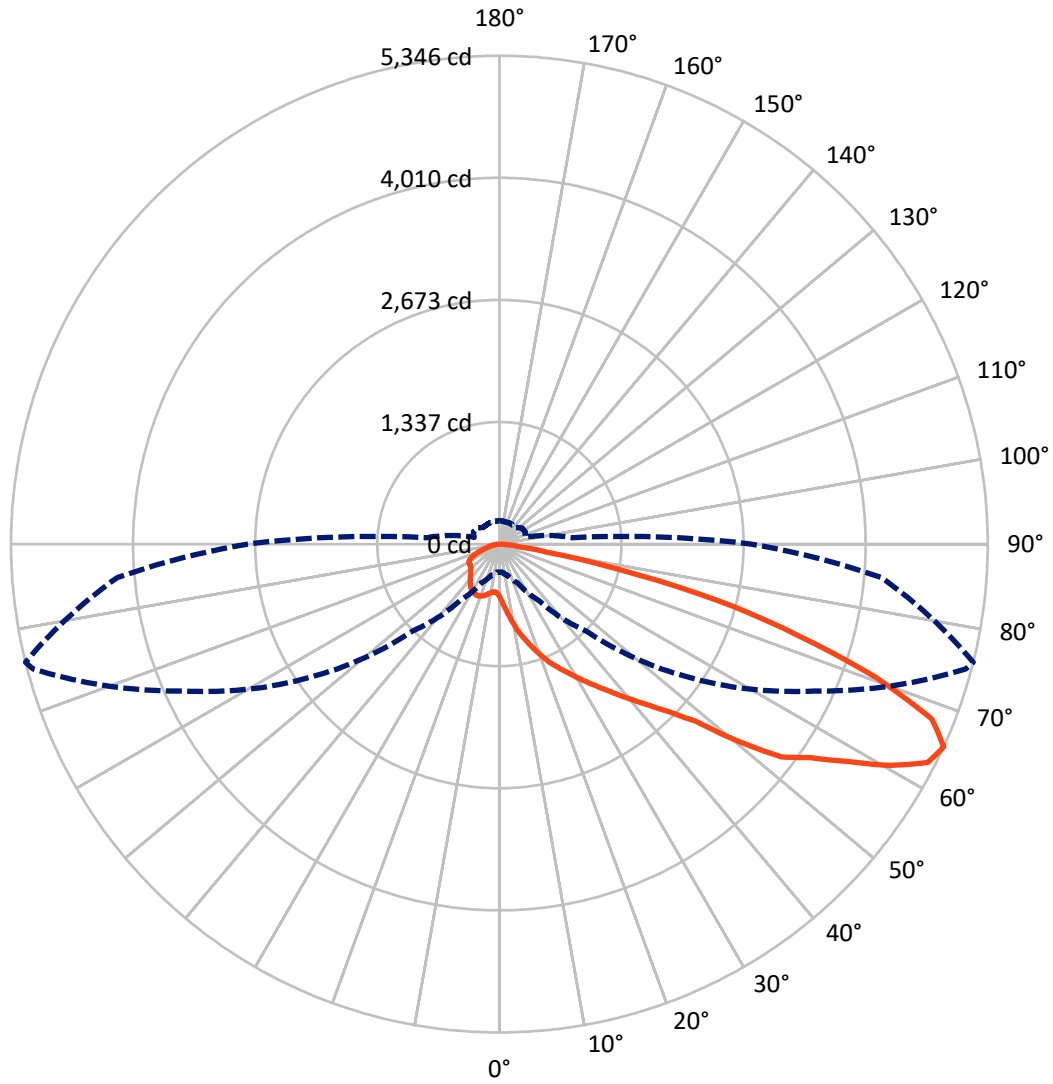
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1019.3	0.0	1019.3
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	5079.0	0.0	5079.0
	% Fixture	83.3	0.0	83.3
Total	Lumens	6098.4	0.0	6098.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	1.1
10°-20°	261.3	4.3
20°-30°	509.3	8.4
30°-40°	851.8	14.0
40°-50°	1219.5	20.0
50°-60°	1443.8	23.7
60°-70°	1200.5	19.7
70°-80°	491.3	8.1
80°-90°	52.3	0.9
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°	6098.4	100.0
0°-180°	6098.4	100.0

Coefficient of Utilization



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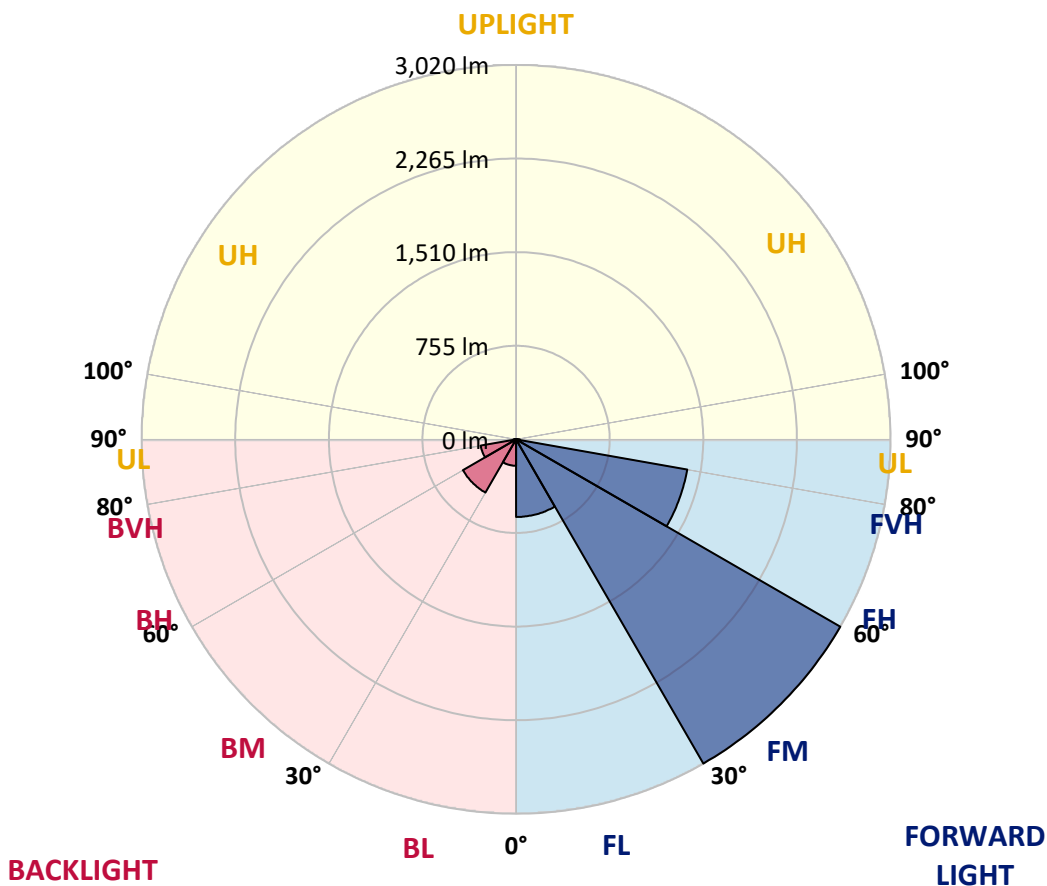
CATALOG NUMBER: GWS-SA1D-735-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	626.0	10.3			
FM (30°-60°)	3019.7	49.5			
FH (60°-80°)	1402.2	23.0			G1/1800
FVH (80°-90°)	31.2	0.5			G1/100
BL (0°-30°)	213.2	3.5	B1/500		
BM (30°-60°)	495.4	8.1	B1/1000		
BH (60°-80°)	289.6	4.7	B1/500		G1/500
BVH (80°-90°)	21.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5
2.5°	809.4	812.4	802.6	799.1	776.0	744.7	718.5	679.1	642.7	637.1	604.5
5°	1028.1	1015.2	1004.1	996.8	964.6	929.1	873.7	799.6	722.0	712.5	642.2
7.5°	1158.0	1155.8	1142.1	1137.8	1113.0	1077.4	1020.4	928.2	815.4	800.0	693.3
10°	1262.2	1260.9	1254.0	1257.9	1235.2	1200.4	1145.1	1050.0	917.9	902.5	750.3
12.5°	1353.1	1355.2	1353.9	1368.1	1356.5	1329.5	1272.0	1167.4	1020.4	1003.7	819.7
15°	1419.5	1421.2	1427.7	1458.5	1465.0	1459.4	1401.1	1282.8	1121.6	1097.5	891.3
17.5°	1438.4	1441.8	1457.2	1507.0	1541.7	1564.9	1521.6	1400.2	1221.0	1194.9	964.2
20°	1463.7	1467.5	1483.0	1534.8	1585.9	1638.6	1630.9	1519.4	1321.3	1299.9	1037.9
22.5°	1580.7	1577.7	1570.9	1595.7	1632.2	1697.8	1717.1	1633.9	1425.1	1404.5	1119.4
25°	1806.2	1800.7	1756.9	1734.2	1722.2	1762.1	1796.4	1738.1	1526.3	1495.4	1195.3
27.5°	2054.9	2051.9	1996.2	1942.1	1868.4	1851.2	1871.4	1829.0	1624.4	1593.2	1261.3
30°	2290.3	2281.3	2223.0	2155.2	2056.6	1982.9	1953.3	1918.1	1732.1	1699.5	1338.5
32.5°	2500.8	2489.2	2420.6	2345.6	2242.2	2155.2	2066.9	2012.9	1853.8	1816.1	1417.4
35°	2673.5	2662.0	2591.7	2511.9	2398.3	2334.0	2213.1	2115.8	1977.7	1939.6	1510.4
37.5°	2807.3	2796.6	2723.3	2644.8	2545.8	2494.8	2389.7	2231.5	2120.5	2080.6	1609.0
40°	2882.3	2874.6	2815.9	2753.7	2670.5	2626.4	2579.2	2377.7	2280.4	2240.5	1725.2
42.5°	2905.1	2899.9	2858.8	2826.6	2770.4	2737.0	2764.0	2549.6	2451.0	2416.3	1856.0
45°	2848.0	2848.0	2836.0	2852.3	2854.9	2854.5	2949.2	2743.9	2660.7	2622.5	2040.3
47.5°	2702.3	2711.7	2729.3	2809.5	2893.9	2964.7	3165.7	3002.8	2930.4	2899.1	2301.4
50°	2435.6	2461.3	2521.3	2677.8	2857.5	3037.5	3370.7	3385.7	3454.7	3399.4	2685.5
52.5°	2045.0	2041.2	2194.2	2417.2	2691.1	3040.5	3483.4	3723.5	3909.1	3871.0	2971.1
55°	1625.3	1618.9	1761.6	2069.0	2436.0	2925.6	3551.1	3878.3	4161.2	4126.9	3227.9
57.5°	1244.6	1236.5	1363.4	1640.7	2075.9	2681.7	3538.3	4062.6	4508.1	4490.5	3576.9
60°	856.6	846.7	965.5	1208.2	1649.7	2308.7	3396.0	4157.4	4914.1	4920.1	3950.3
62.5°	514.5	508.9	595.1	783.3	1186.7	1846.5	3062.8	4099.9	5237.3	5264.3	4190.4
65°	310.4	306.5	357.1	467.3	752.8	1347.5	2549.2	3806.2	5284.1	5346.2	4196.0
67.5°	225.9	226.4	240.9	284.7	439.0	870.3	1913.0	3279.8	5040.5	5104.9	3931.4
70°	196.4	197.2	204.9	214.8	265.4	498.2	1243.7	2589.1	4320.7	4370.4	3297.3
72.5°	174.5	174.5	179.6	184.8	207.5	303.5	666.2	1809.7	3410.1	3423.4	2516.6
75°	153.5	152.2	154.8	157.3	180.1	212.2	324.1	1260.9	2518.8	2487.9	1626.6
77.5°	122.2	120.9	121.3	123.9	144.5	151.8	164.2	787.6	1419.5	1339.8	718.5
80°	87.0	86.2	90.9	97.3	106.8	93.0	102.9	381.1	562.9	523.9	278.7
82.5°	51.9	53.6	60.9	66.0	73.7	58.3	66.5	127.3	199.4	194.2	113.2
85°	7.3	7.7	21.9	25.3	31.7	22.7	35.2	57.4	79.7	85.3	39.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	10.3	22.7	23.2	9.9
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°	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5
2.5°	587.8	567.6	538.9	514.9	494.8	478.5	464.7	454.5	451.5	447.2	447.2
5°	609.2	572.8	521.3	484.9	463.9	451.5	442.9	438.6	436.4	433.9	432.6
7.5°	638.8	587.8	518.3	481.5	465.2	457.5	451.9	449.3	447.6	445.0	445.0
10°	679.5	610.1	527.8	493.5	480.6	472.9	466.5	462.2	458.3	454.5	453.6
12.5°	723.7	639.2	544.9	509.8	496.0	486.6	477.6	471.2	466.5	461.7	460.5
15°	772.6	669.2	563.3	525.6	508.5	495.6	484.9	475.0	468.6	461.7	460.9
17.5°	820.6	699.7	578.8	536.3	514.5	498.6	483.2	470.3	462.2	454.5	452.3
20°	878.0	730.1	589.5	539.3	513.2	492.2	473.7	457.5	448.4	439.4	438.2
22.5°	930.8	758.4	594.6	535.1	503.3	478.5	457.0	439.4	429.6	420.6	418.9
25°	981.8	783.3	592.5	524.8	488.3	459.6	437.3	419.7	410.3	400.9	398.3
27.5°	1031.1	800.0	583.9	508.9	469.5	438.6	417.2	401.3	393.1	385.0	381.6
30°	1079.5	815.4	570.6	488.3	445.4	416.7	399.1	388.0	379.9	371.3	368.7
32.5°	1128.4	826.6	550.5	464.3	421.0	397.4	386.7	378.6	370.0	361.4	358.8
35°	1177.7	831.3	526.0	436.9	400.4	385.0	381.1	371.7	360.1	349.8	346.4
37.5°	1236.5	835.6	495.6	409.9	382.4	379.0	378.1	364.0	350.3	336.1	332.3
40°	1307.2	841.2	464.3	385.4	367.8	376.9	373.4	354.1	326.7	313.0	308.7
42.5°	1393.8	851.5	431.7	363.1	357.1	368.7	364.8	330.1	311.7	304.0	301.8
45°	1521.1	889.2	399.1	345.6	349.0	357.1	351.1	316.0	308.7	303.5	301.0
47.5°	1747.9	947.1	370.8	332.3	342.6	346.8	323.7	312.1	306.5	299.7	296.7
50°	1983.7	972.4	348.1	324.1	335.3	337.4	308.7	307.0	303.1	295.8	292.8
52.5°	2143.2	968.9	334.4	321.1	329.3	321.1	301.8	301.4	298.8	290.2	286.8
55°	2323.3	974.9	328.4	322.0	326.7	293.7	293.2	294.5	293.2	283.8	282.1
57.5°	2566.4	993.4	325.4	325.0	325.0	280.4	285.1	286.8	284.2	280.0	278.7
60°	2800.0	994.6	319.8	328.4	323.7	272.2	275.7	277.4	274.4	273.5	273.1
62.5°	2887.9	932.9	307.4	325.8	318.5	263.2	265.8	266.7	263.7	265.8	265.4
65°	2757.1	801.7	286.8	313.4	302.7	255.1	253.4	255.5	250.4	256.0	256.4
67.5°	2448.0	637.1	255.5	289.8	280.4	246.1	242.7	242.7	234.1	242.7	242.2
70°	1973.9	450.2	209.6	252.1	256.0	235.4	233.7	223.8	210.1	222.9	221.7
72.5°	1496.3	323.3	165.1	199.4	220.4	220.4	220.8	204.1	188.2	194.2	189.1
75°	947.9	227.7	132.0	152.6	172.8	193.4	203.2	172.3	158.2	155.6	153.1
77.5°	427.0	149.6	102.9	117.0	122.6	152.6	185.6	148.3	129.0	123.5	121.8
80°	178.8	93.0	73.3	82.7	75.5	128.2	163.8	115.3	94.7	87.0	81.5
82.5°	78.5	55.3	46.7	44.6	47.2	95.2	122.2	76.7	59.2	80.2	81.0
85°	33.0	29.2	24.0	21.9	19.3	36.4	57.4	30.0	36.9	21.0	17.1
87.5°	7.7	8.6	6.4	4.3	2.6	0.4	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)