

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: P630228

Luminaire Tested: GWS-SA1D-730-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5303.1 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

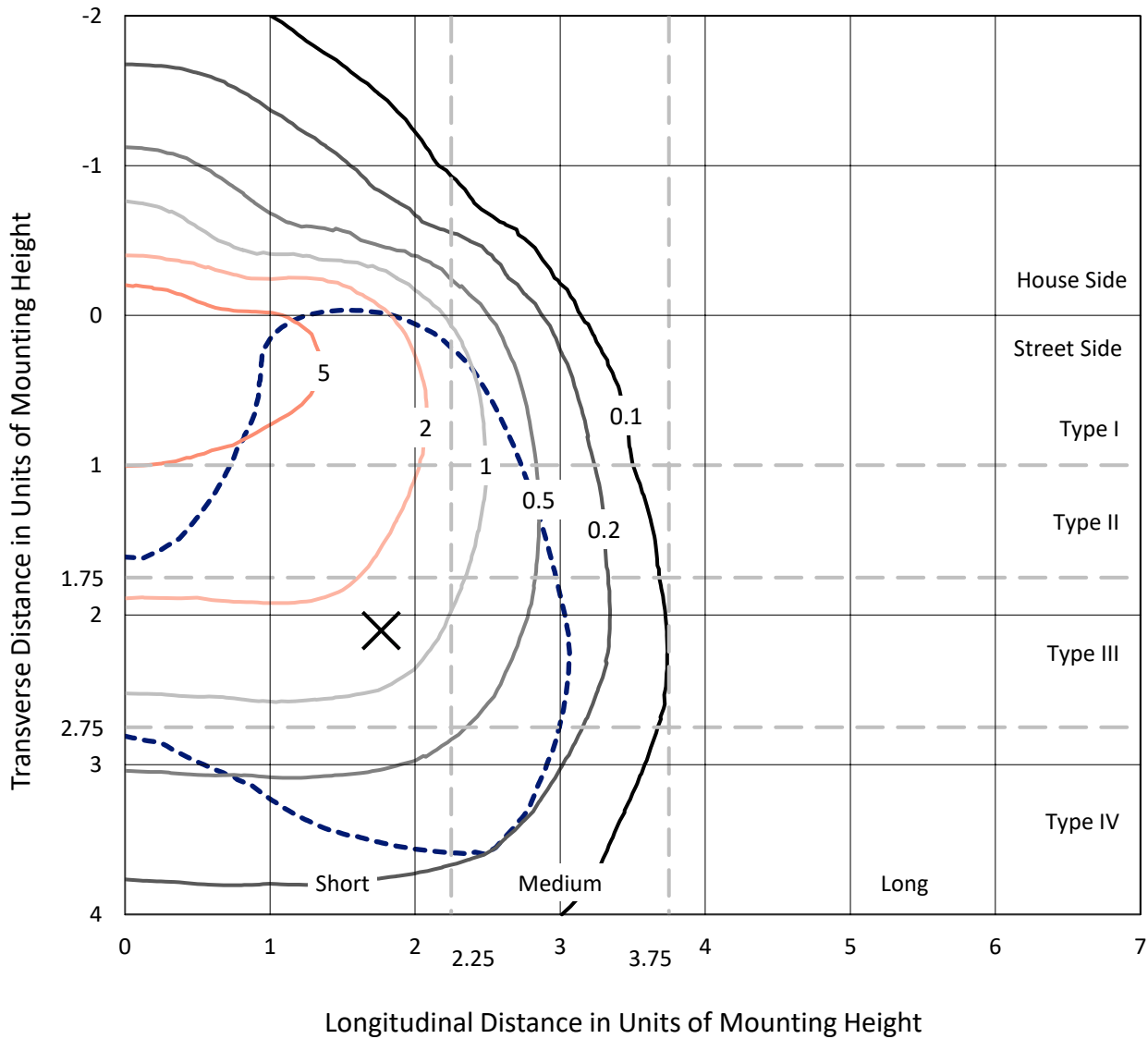
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

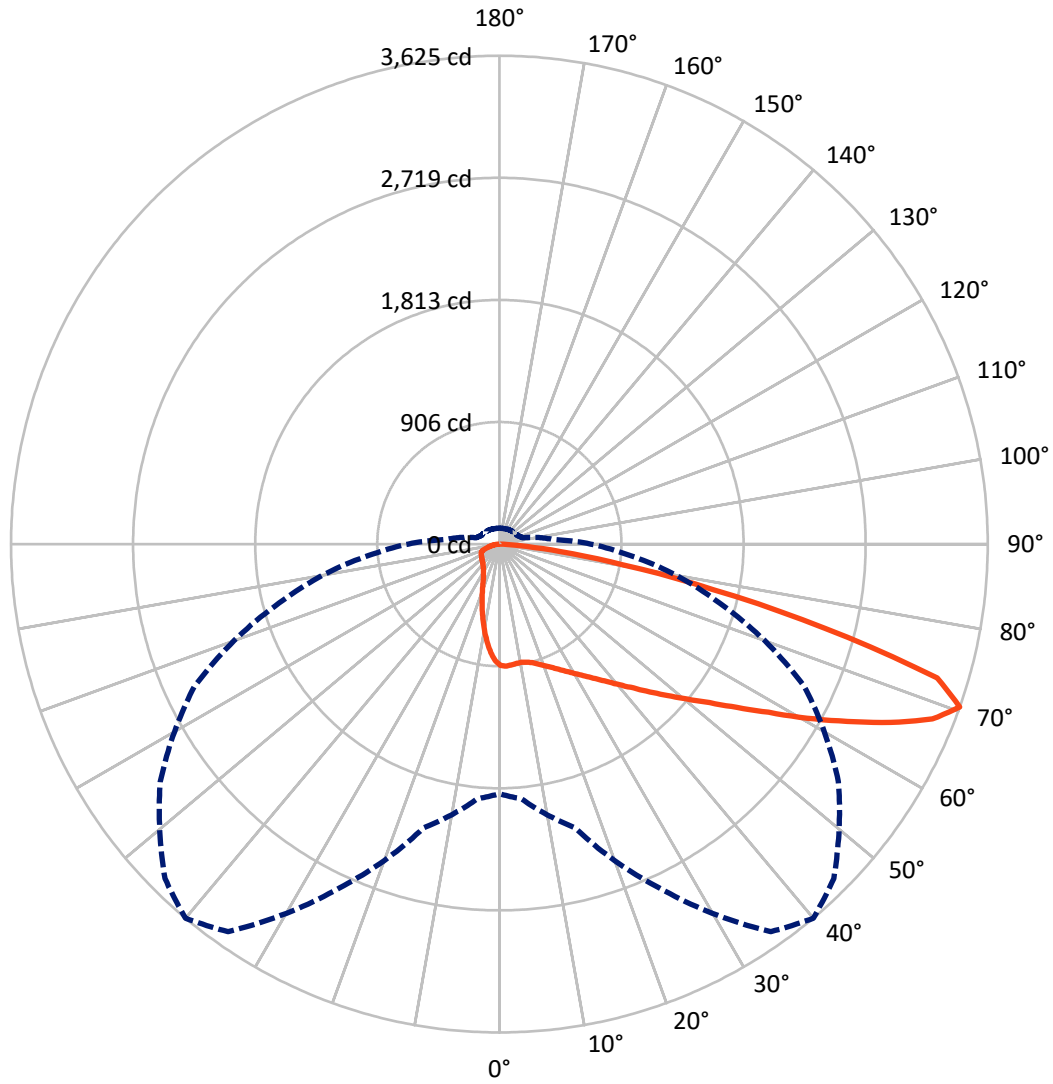
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	816.8	0.0	816.8
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	4486.3	0.0	4486.3
	% Fixture	84.6	0.0	84.6
Total	Lumens	5303.1	0.0	5303.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	1.5
10°-20°	207.4	3.9
20°-30°	325.6	6.1
30°-40°	489.5	9.2
40°-50°	755.6	14.2
50°-60°	1122.2	21.2
60°-70°	1414.5	26.7
70°-80°	818.0	15.4
80°-90°	90.8	1.7
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°	5303.1	100.0
0°-180°	5303.1	100.0

Coefficient of Utilization



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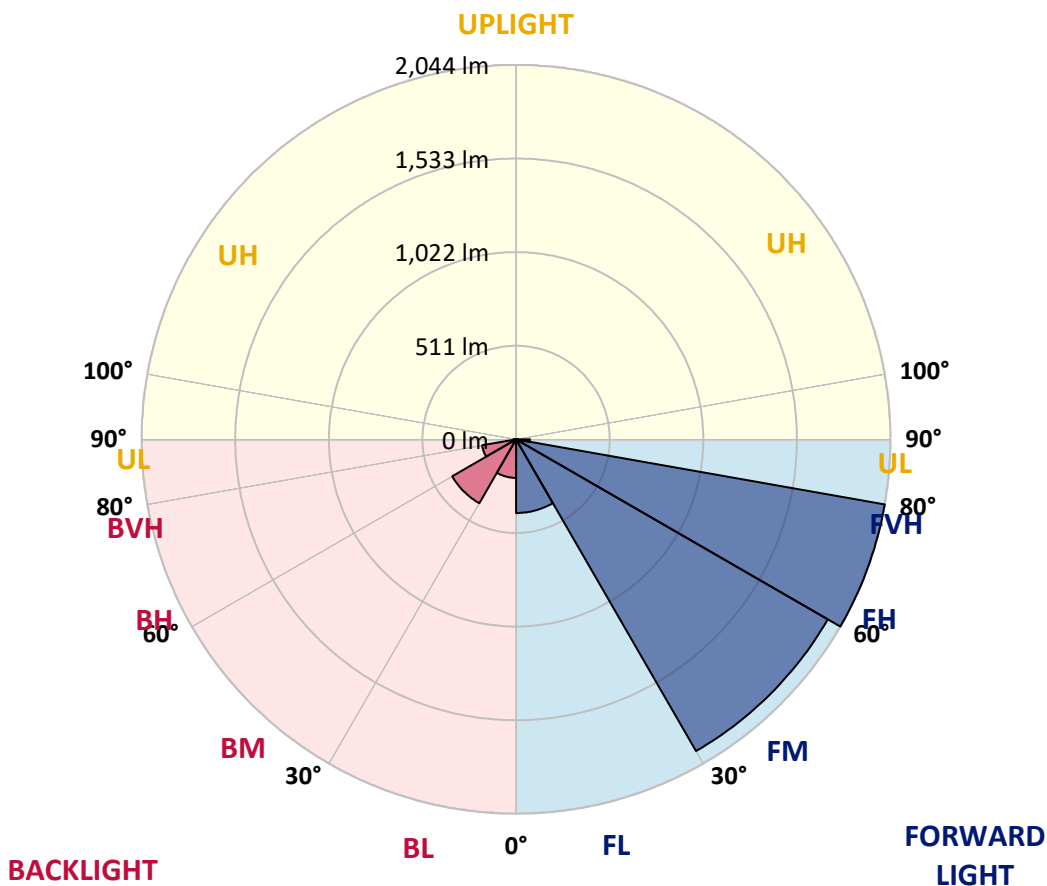
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	402.0	7.6			
FM (30°-60°)	1964.7	37.0			
FH (60°-80°)	2043.9	38.5			G2/5000
FVH (80°-90°)	75.6	1.4			G1/100
BL (0°-30°)	210.5	4.0	B1/500		
BM (30°-60°)	402.6	7.6	B1/1000		
BH (60°-80°)	188.5	3.6	B1/500		G1/500
BVH (80°-90°)	15.2	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5
2.5°	906.1	907.7	908.8	910.4	909.6	907.3	909.2	909.2	904.9	900.1	895.8
5°	907.3	909.2	908.8	908.4	905.3	901.3	901.3	898.9	891.4	883.9	876.8
7.5°	904.9	904.5	904.1	902.9	899.3	895.0	894.2	889.4	879.5	869.3	859.0
10°	894.2	893.8	895.0	897.8	897.0	893.0	893.0	888.7	877.2	864.5	851.0
12.5°	885.5	885.5	890.2	897.8	900.5	898.9	899.3	896.2	883.1	868.1	852.2
15°	886.7	887.1	897.4	909.6	914.8	913.6	914.0	910.4	895.8	880.7	859.4
17.5°	894.6	896.6	914.4	931.4	938.1	936.5	933.8	927.8	911.2	894.2	868.1
20°	911.2	914.4	937.3	958.7	966.6	963.1	958.3	946.4	928.2	909.6	877.6
22.5°	944.1	946.0	971.4	992.4	998.7	994.3	984.8	967.8	946.8	927.4	889.0
25°	990.4	992.8	1016.9	1036.3	1034.7	1029.6	1016.5	995.5	970.6	950.0	905.7
27.5°	1045.4	1049.4	1073.1	1088.5	1078.3	1070.7	1056.1	1030.8	1002.7	984.0	931.0
30°	1105.6	1107.2	1127.3	1142.8	1126.9	1116.7	1098.8	1071.5	1046.2	1032.3	969.0
32.5°	1163.8	1165.3	1182.8	1191.5	1174.8	1167.3	1151.9	1123.0	1105.2	1097.7	1025.6
35°	1225.1	1224.7	1239.0	1246.5	1229.5	1226.3	1210.5	1188.3	1185.1	1195.0	1108.3
37.5°	1286.5	1282.9	1290.4	1300.3	1290.8	1294.0	1283.7	1276.2	1288.4	1314.2	1218.4
40°	1335.6	1335.6	1343.5	1355.7	1358.9	1372.8	1366.8	1376.7	1416.3	1477.7	1354.6
42.5°	1379.1	1379.5	1396.1	1415.1	1438.1	1459.4	1464.2	1489.9	1571.9	1668.1	1525.6
45°	1424.6	1425.0	1447.6	1475.3	1524.0	1564.7	1574.2	1632.0	1749.2	1866.4	1711.2
47.5°	1477.3	1472.9	1504.2	1550.5	1619.8	1678.3	1702.9	1784.8	1932.9	2077.0	1886.2
50°	1536.6	1527.5	1562.4	1642.3	1727.8	1808.2	1849.3	1943.2	2130.0	2271.3	2050.8
52.5°	1603.5	1598.4	1634.8	1732.2	1862.8	1955.4	2011.2	2134.3	2321.6	2464.9	2181.5
55°	1686.7	1674.4	1727.0	1850.9	2021.1	2139.1	2205.2	2323.6	2531.0	2640.6	2281.2
57.5°	1777.7	1764.2	1834.7	1999.4	2227.0	2356.4	2439.1	2536.5	2728.1	2775.2	2339.8
60°	1875.9	1871.5	1955.0	2173.5	2472.4	2622.8	2682.6	2770.9	2899.5	2853.2	2325.1
62.5°	1965.7	1964.1	2085.7	2362.4	2732.5	2897.9	2945.4	2968.8	3023.0	2848.0	2208.8
65°	2060.3	2073.8	2238.1	2581.2	3030.5	3192.8	3212.6	3153.2	3064.6	2713.1	1970.5
67.5°	2072.2	2098.3	2333.8	2786.3	3313.1	3466.3	3450.5	3223.3	2941.9	2337.4	1544.6
70°	1853.3	1898.8	2181.1	2817.6	3512.3	3625.1	3510.7	3072.5	2496.5	1693.4	971.4
72.5°	1548.5	1587.7	1837.1	2402.7	3255.4	3399.0	3244.3	2600.6	1764.2	971.4	494.8
75°	1205.3	1250.8	1480.8	1909.9	2437.2	2494.6	2417.0	1813.7	969.8	400.6	224.8
77.5°	735.5	768.3	947.2	1294.0	1705.3	1619.4	1372.4	1016.9	425.5	192.0	138.9
80°	325.4	345.6	466.7	695.1	985.2	931.4	734.3	434.2	232.8	121.9	97.0
82.5°	174.6	187.6	230.0	275.1	432.6	452.4	366.9	250.2	125.1	69.7	55.4
85°	76.8	84.3	104.5	99.8	142.1	139.7	140.9	171.8	59.8	32.1	36.0
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	4.4	23.0	5.9	9.5	8.3
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°	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5
2.5°	891.0	883.9	881.9	879.5	875.2	867.7	862.1	855.8	853.0	849.9	850.3
5°	868.9	860.2	851.8	841.2	827.7	812.7	802.4	790.5	784.2	778.2	779.8
7.5°	849.9	836.4	819.4	796.8	772.7	745.8	724.0	707.0	695.5	687.6	691.5
10°	838.0	822.2	792.5	755.7	714.9	673.7	642.4	613.2	594.9	580.7	579.9
12.5°	835.6	815.0	771.9	718.4	659.5	604.4	558.5	518.9	494.8	477.0	483.7
15°	838.0	811.9	754.1	684.0	609.6	535.2	478.2	432.6	403.8	387.5	386.3
17.5°	840.8	808.7	733.9	646.8	557.3	472.2	406.1	357.8	328.1	311.9	312.3
20°	843.1	803.9	710.1	606.0	504.3	413.6	345.2	299.3	272.7	260.9	262.8
22.5°	847.1	799.2	684.8	562.5	450.1	357.0	296.9	259.7	243.8	235.9	236.3
25°	854.6	796.4	658.7	515.0	396.6	311.9	263.6	238.7	228.8	224.0	223.6
27.5°	870.0	798.8	631.4	469.1	348.3	277.5	242.3	226.0	219.3	216.1	215.7
30°	895.8	808.3	607.6	422.4	306.8	250.6	227.6	217.7	213.8	211.0	210.6
32.5°	935.0	826.1	581.9	378.8	273.1	230.8	216.1	211.0	208.2	206.6	206.6
35°	994.3	858.6	556.5	340.8	247.0	215.3	207.0	205.0	202.7	201.9	202.7
37.5°	1079.8	910.4	533.6	307.6	228.4	203.5	197.1	197.9	195.9	197.1	198.3
40°	1188.3	979.7	514.2	280.3	214.5	194.8	188.4	191.2	190.0	191.2	193.2
42.5°	1325.7	1065.6	499.5	258.9	204.6	187.6	181.7	184.5	183.7	185.3	187.2
45°	1478.8	1178.8	492.8	243.8	197.5	182.5	176.1	178.1	177.3	178.5	180.5
47.5°	1625.7	1281.7	498.8	235.1	191.6	178.1	171.4	172.2	171.8	171.4	172.6
50°	1752.4	1363.7	515.8	232.4	187.6	173.8	167.4	167.8	166.6	164.3	165.1
52.5°	1855.7	1429.4	526.1	232.4	185.6	169.0	163.1	163.5	161.1	157.9	158.3
55°	1923.8	1455.9	517.8	232.0	184.9	165.1	158.7	159.1	156.8	152.8	153.2
57.5°	1943.2	1430.2	482.9	227.6	184.1	161.9	154.4	155.2	153.6	149.2	149.2
60°	1888.9	1335.9	419.2	217.7	182.1	159.9	151.2	152.4	151.6	147.3	147.3
62.5°	1746.8	1168.5	343.2	202.7	176.5	157.5	148.4	150.8	152.8	150.4	150.0
65°	1480.8	936.2	279.1	186.0	169.4	153.6	144.5	150.4	154.8	157.9	157.9
67.5°	1111.1	670.2	227.6	168.6	158.7	145.7	139.3	144.9	148.0	150.0	151.2
70°	677.3	394.3	179.3	148.4	143.3	133.8	129.0	123.5	119.1	118.4	118.8
72.5°	331.3	225.6	145.7	126.3	122.3	113.6	102.9	100.5	98.6	97.4	97.0
75°	182.5	157.1	120.3	104.9	97.8	87.1	84.7	80.8	80.0	78.4	78.8
77.5°	129.0	123.9	99.4	85.1	74.4	68.9	70.1	67.3	67.3	66.1	65.7
80°	97.0	97.4	76.4	62.1	55.0	53.0	54.2	54.2	53.4	53.0	52.6
82.5°	61.4	69.3	51.5	40.0	39.2	39.6	39.2	38.8	39.6	38.4	38.0
85°	42.4	49.9	31.3	23.8	23.8	23.4	24.1	23.8	24.5	23.4	23.4
87.5°	9.5	22.2	11.5	7.1	7.5	7.1	7.5	7.9	8.7	9.1	9.1
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)