

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: P630365

Luminaire Tested: GWS-SA1D-740-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-740-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5857.1 lumens
Efficiency: N/A
Efficacy: 132.2 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

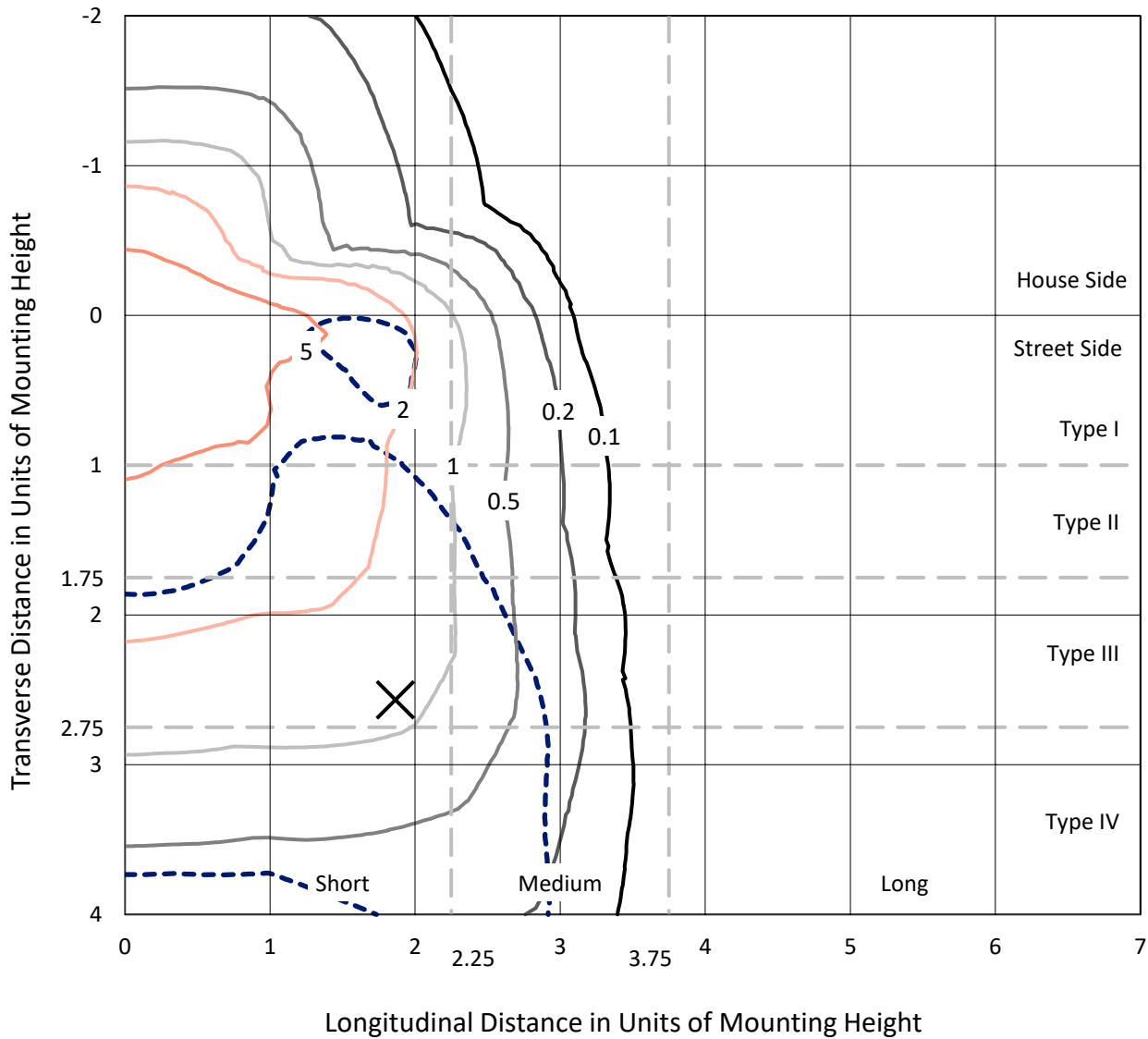
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

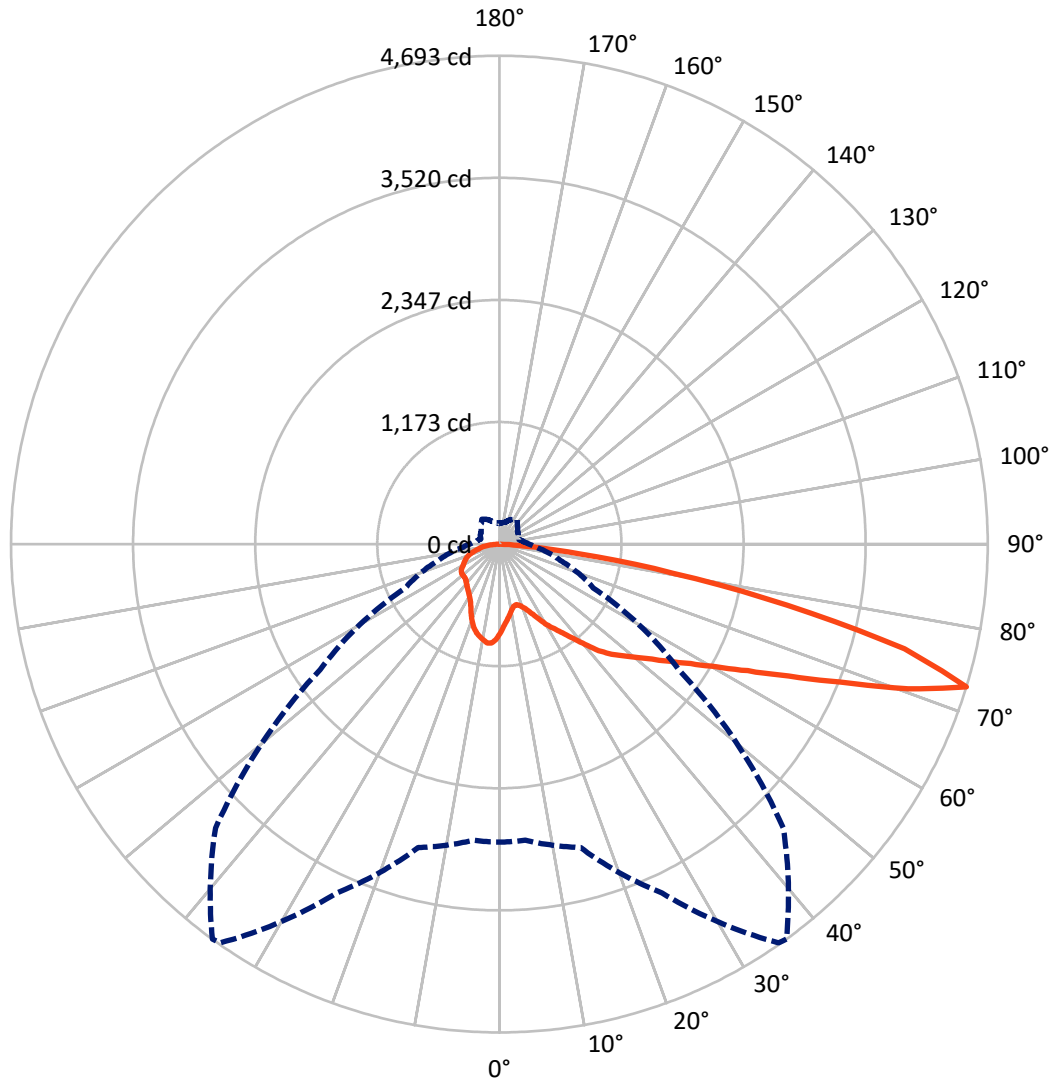
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1350.3	0.0	1350.3
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	4506.8	0.0	4506.8
	% Fixture	76.9	0.0	76.9
Total	Lumens	5857.1	0.0	5857.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	1.4
10°-20°	226.1	3.9
20°-30°	374.4	6.4
30°-40°	560.7	9.6
40°-50°	818.0	14.0
50°-60°	1164.3	19.9
60°-70°	1471.0	25.1
70°-80°	1048.2	17.9
80°-90°	114.4	2.0
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°	5857.1	100.0
0°-180°	5857.1	100.0

Coefficient of Utilization



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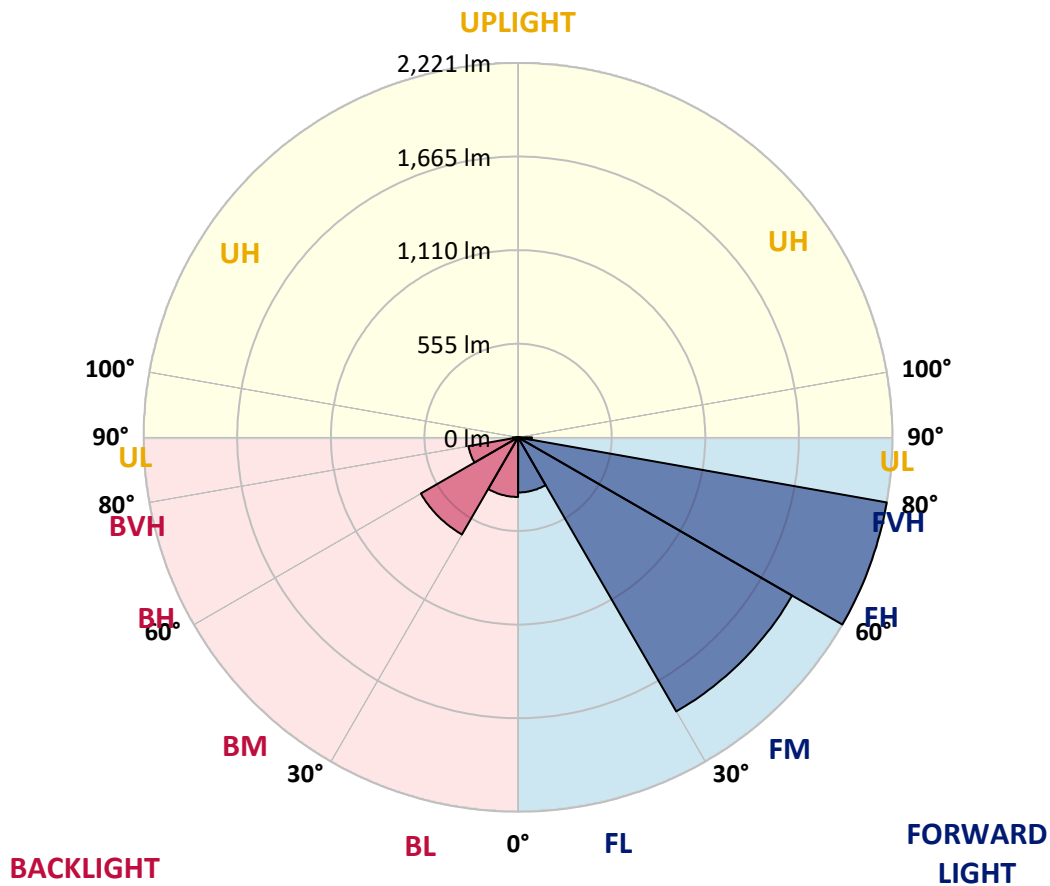
CATALOG NUMBER: GWS-SA1D-740-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.0	5.6			
FM (30°-60°)	1877.1	32.0			
FH (60°-80°)	2220.6	37.9			G2/5000
FVH (80°-90°)	82.1	1.4			G1/100
BL (0°-30°)	353.6	6.0	B1/500		
BM (30°-60°)	665.9	11.4	B1/1000		
BH (60°-80°)	298.5	5.1	B1/500		G1/500
BVH (80°-90°)	32.3	0.6			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°	36°	45°	55°	65°	75°	85°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	782.0	780.7	778.1	785.9	793.7	792.9	803.7	814.2	825.5	837.2	852.9
5°	719.4	718.5	716.4	728.1	739.8	739.4	757.2	774.2	797.2	822.4	853.7
7.5°	656.8	654.6	657.7	672.5	689.0	690.7	715.1	742.9	776.4	814.2	858.5
10°	601.6	601.2	602.5	619.0	643.8	645.5	676.8	715.5	759.8	810.3	869.4
12.5°	587.3	586.4	582.9	591.2	609.9	612.5	646.8	694.2	748.5	812.4	884.2
15°	610.7	608.6	596.4	592.5	601.6	603.8	632.9	681.6	742.0	816.4	902.9
17.5°	651.2	649.9	626.8	610.7	616.8	618.6	640.3	679.4	740.3	824.2	925.9
20°	710.3	704.6	668.6	644.2	644.2	646.8	659.9	689.0	742.5	833.7	952.0
22.5°	788.5	777.2	726.4	693.3	684.6	688.1	693.8	712.9	751.6	849.8	984.6
25°	876.3	865.9	805.5	759.0	746.8	748.1	743.3	746.8	771.6	872.0	1025.0
27.5°	969.8	962.8	898.5	839.4	820.3	820.3	803.3	795.1	799.4	897.2	1070.2
30°	1053.3	1043.7	989.4	924.6	899.4	899.4	867.2	849.4	839.0	928.1	1130.6
32.5°	1097.2	1091.5	1055.4	1005.9	975.0	970.2	942.4	921.5	897.2	973.7	1212.4
35°	1154.5	1153.2	1131.5	1092.8	1053.7	1046.7	1027.6	1011.1	968.9	1030.7	1321.0
37.5°	1226.7	1224.5	1221.1	1198.0	1151.1	1149.8	1132.8	1112.8	1058.0	1112.8	1452.7
40°	1307.6	1303.6	1299.3	1298.9	1270.6	1265.8	1264.5	1241.9	1165.4	1211.9	1590.1
42.5°	1418.8	1405.4	1364.5	1382.8	1403.6	1399.3	1415.8	1381.9	1299.3	1329.7	1720.1
45°	1555.8	1522.7	1441.9	1447.1	1499.7	1508.4	1565.8	1557.5	1446.7	1465.8	1857.0
47.5°	1637.9	1609.2	1534.0	1529.7	1595.3	1606.2	1730.9	1746.6	1605.3	1629.7	2026.1
50°	1705.3	1685.3	1623.6	1629.7	1699.2	1710.1	1894.8	1928.3	1754.9	1797.5	2222.6
52.5°	1786.6	1757.9	1710.1	1738.8	1824.0	1837.0	2077.0	2113.0	1889.6	1981.8	2426.0
55°	1832.2	1820.5	1821.4	1865.3	1972.2	1990.0	2267.8	2261.7	2013.1	2139.6	2579.0
57.5°	1937.4	1933.1	1973.1	1989.6	2145.2	2168.2	2458.6	2406.5	2125.2	2261.7	2652.5
60°	2123.0	2112.2	2146.9	2172.2	2359.1	2391.7	2671.6	2548.2	2201.3	2352.6	2627.7
62.5°	2383.9	2370.4	2371.7	2411.7	2645.5	2679.9	2908.5	2666.4	2224.8	2366.5	2470.8
65°	2708.1	2688.6	2666.4	2720.7	3025.9	3054.6	3166.3	2752.5	2168.7	2232.6	2143.0
67.5°	3050.2	3034.2	3008.1	3122.0	3518.4	3535.8	3455.4	2745.1	1990.9	1874.4	1503.2
70°	3070.2	3074.1	3197.6	3609.7	4161.3	4165.7	3728.8	2596.4	1612.3	1215.0	749.0
72.5°	2864.2	2857.7	3018.5	3698.8	4678.6	4693.4	3857.9	2103.5	996.3	606.0	351.2
75°	2326.5	2337.8	2506.9	3236.3	4010.0	4023.1	3145.0	1240.2	473.4	296.5	224.7
77.5°	1001.5	1064.6	1398.0	2280.0	2872.0	2831.6	1621.0	502.5	252.6	211.3	172.1
80°	289.1	313.8	498.2	1084.1	1720.9	1690.5	641.6	188.2	176.1	158.7	123.5
82.5°	93.5	103.5	182.6	431.6	771.1	770.3	243.4	111.3	115.2	107.8	79.5
85°	26.1	30.0	56.1	130.8	238.6	233.9	70.4	52.6	61.3	62.2	39.6
87.5°	0.0	0.0	0.4	0.9	0.9	0.9	1.7	7.8	17.8	22.6	16.1
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°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	862.4	861.1	878.9	892.9	905.9	914.6	917.2	918.9	922.4	924.2	922.4
5°	868.5	875.0	904.6	926.3	943.7	954.1	954.6	953.7	956.3	954.1	952.8
7.5°	881.6	894.2	931.5	954.6	965.9	966.3	955.9	943.7	937.6	932.4	930.7
10°	898.9	917.6	958.5	973.7	970.2	954.1	931.1	912.0	901.1	893.3	891.6
12.5°	922.9	943.7	982.4	982.0	960.2	931.5	904.6	881.6	865.9	856.8	853.7
15°	945.5	972.0	999.8	979.4	945.0	910.2	875.5	844.6	823.7	809.4	806.8
17.5°	973.3	1001.5	1012.4	971.1	925.9	881.1	834.6	794.2	765.9	749.0	747.7
20°	1005.4	1030.7	1018.5	956.8	901.1	842.4	779.4	734.2	703.8	687.2	688.6
22.5°	1042.8	1061.1	1020.2	937.2	866.8	787.7	717.2	673.8	653.3	644.6	645.1
25°	1082.8	1094.6	1017.2	910.7	814.2	720.7	653.3	633.3	631.6	629.4	630.3
27.5°	1130.2	1127.6	1008.1	873.3	743.3	642.9	608.6	613.8	620.7	619.9	620.7
30°	1193.7	1168.9	996.3	821.6	659.0	577.7	582.1	596.8	606.0	606.8	609.4
32.5°	1266.3	1214.5	977.6	751.1	578.6	541.2	557.3	575.1	586.0	588.1	591.6
35°	1352.8	1266.7	944.6	663.3	520.8	519.5	534.2	546.4	558.1	559.0	559.0
37.5°	1452.3	1318.9	892.0	566.4	485.1	500.8	514.7	517.3	520.3	517.7	519.0
40°	1543.6	1369.3	817.2	478.2	456.0	484.2	496.0	487.3	477.7	471.2	472.5
42.5°	1620.1	1403.6	718.1	416.4	426.4	469.5	478.6	460.8	442.1	429.9	431.6
45°	1706.2	1435.4	601.6	374.7	401.2	459.0	465.1	442.1	418.2	399.9	397.3
47.5°	1824.8	1500.1	498.2	345.6	383.4	453.4	463.4	432.1	400.8	373.4	370.4
50°	1971.3	1591.8	411.7	326.5	375.1	450.3	462.9	421.2	383.8	351.7	349.5
52.5°	2131.3	1681.4	347.8	311.7	366.9	441.2	460.8	409.0	366.0	331.2	328.6
55°	2237.8	1716.6	304.7	297.8	353.4	426.9	452.1	397.3	339.1	307.3	303.4
57.5°	2269.1	1671.4	274.7	285.2	336.0	406.9	435.6	372.5	322.5	297.3	294.3
60°	2215.2	1557.5	256.0	274.7	316.9	381.2	406.9	358.2	309.5	286.9	284.7
62.5°	2063.0	1381.9	241.7	263.9	297.3	354.3	388.6	340.8	295.2	277.3	274.3
65°	1757.0	1133.2	230.0	252.6	278.6	328.6	368.6	323.4	279.5	266.0	262.6
67.5°	1228.9	795.9	217.3	239.1	259.9	303.8	347.8	307.3	263.4	253.4	249.9
70°	600.7	422.1	202.1	223.4	240.0	278.6	326.9	287.8	242.1	236.5	231.7
72.5°	286.0	236.0	184.3	202.1	212.6	245.2	292.1	259.5	216.9	204.7	196.5
75°	191.7	167.8	160.8	176.9	179.5	205.6	250.4	223.9	191.3	177.4	170.4
77.5°	145.2	128.2	135.2	149.5	144.3	169.1	206.0	199.5	172.6	160.0	156.5
80°	102.2	93.5	107.4	116.1	112.2	143.9	185.6	170.8	142.1	128.2	125.6
82.5°	64.3	62.6	79.1	80.4	81.7	113.9	152.6	134.3	110.4	90.9	84.3
85°	32.2	35.6	47.4	47.4	46.9	58.7	86.9	75.6	59.6	47.4	46.1
87.5°	10.9	15.2	20.4	16.5	12.6	10.0	11.3	13.9	14.8	14.3	14.3
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)