

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: P631121

Luminaire Tested: GWS-SA1F-722-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631121
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6157 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

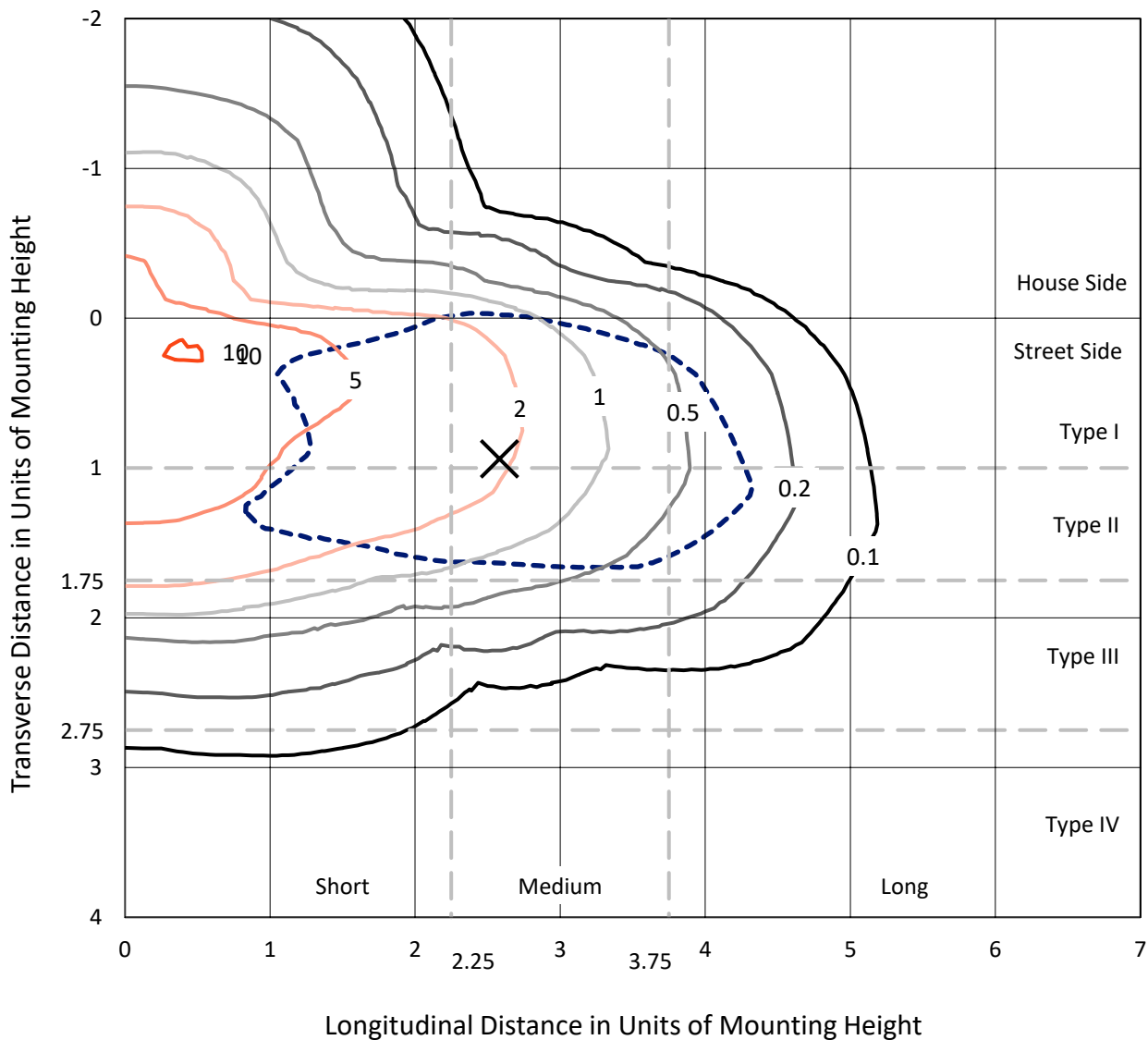
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

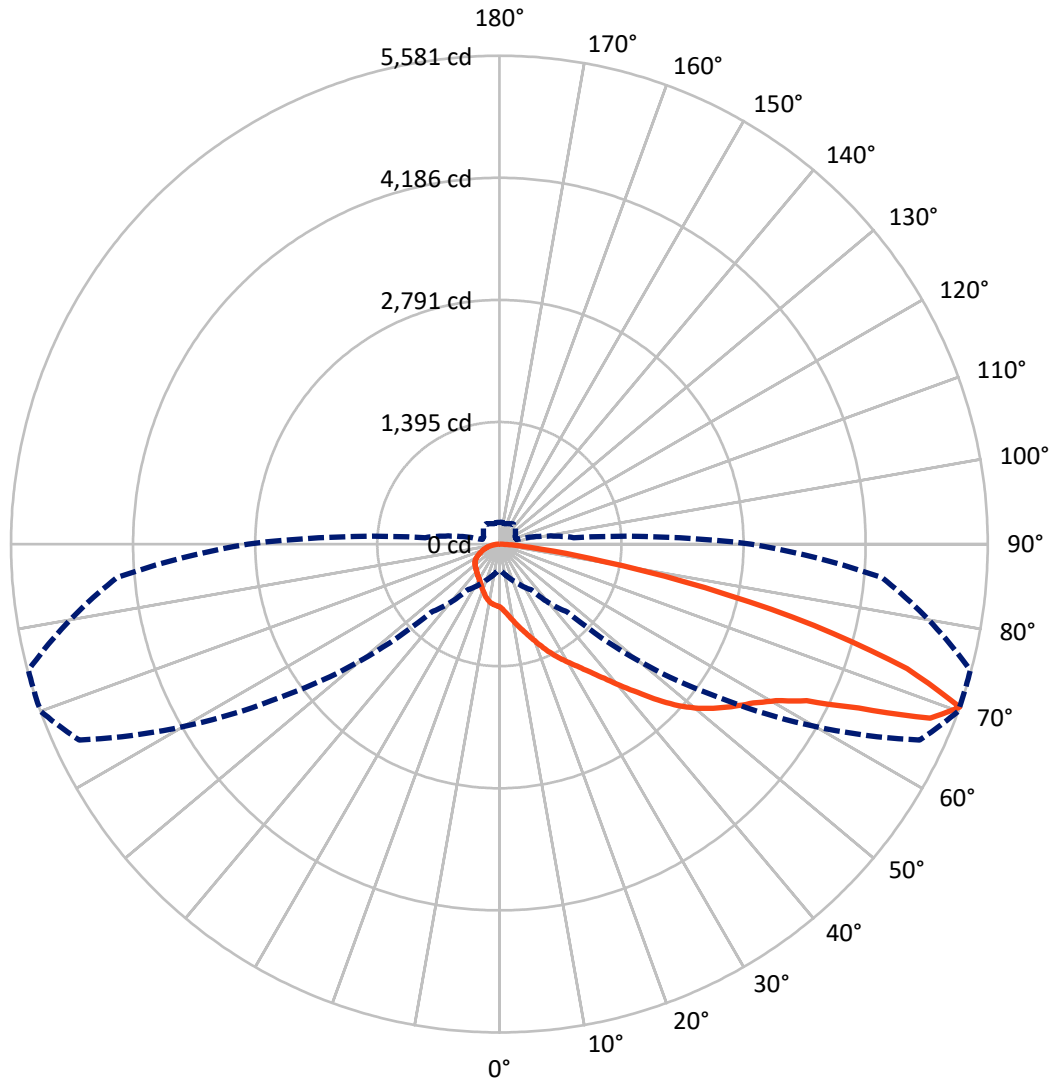
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1103.3	0.0	1103.3
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	5053.6	0.0	5053.6
	% Fixture	82.1	0.0	82.1
Total	Lumens	6157.0	0.0	6157.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	1.2
10°-20°	237.4	3.9
20°-30°	420.6	6.8
30°-40°	633.0	10.3
40°-50°	957.6	15.6
50°-60°	1371.8	22.3
60°-70°	1516.4	24.6
70°-80°	855.7	13.9
80°-90°	91.5	1.5
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°	6157.0	100.0
0°-180°	6157.0	100.0

Coefficient of Utilization



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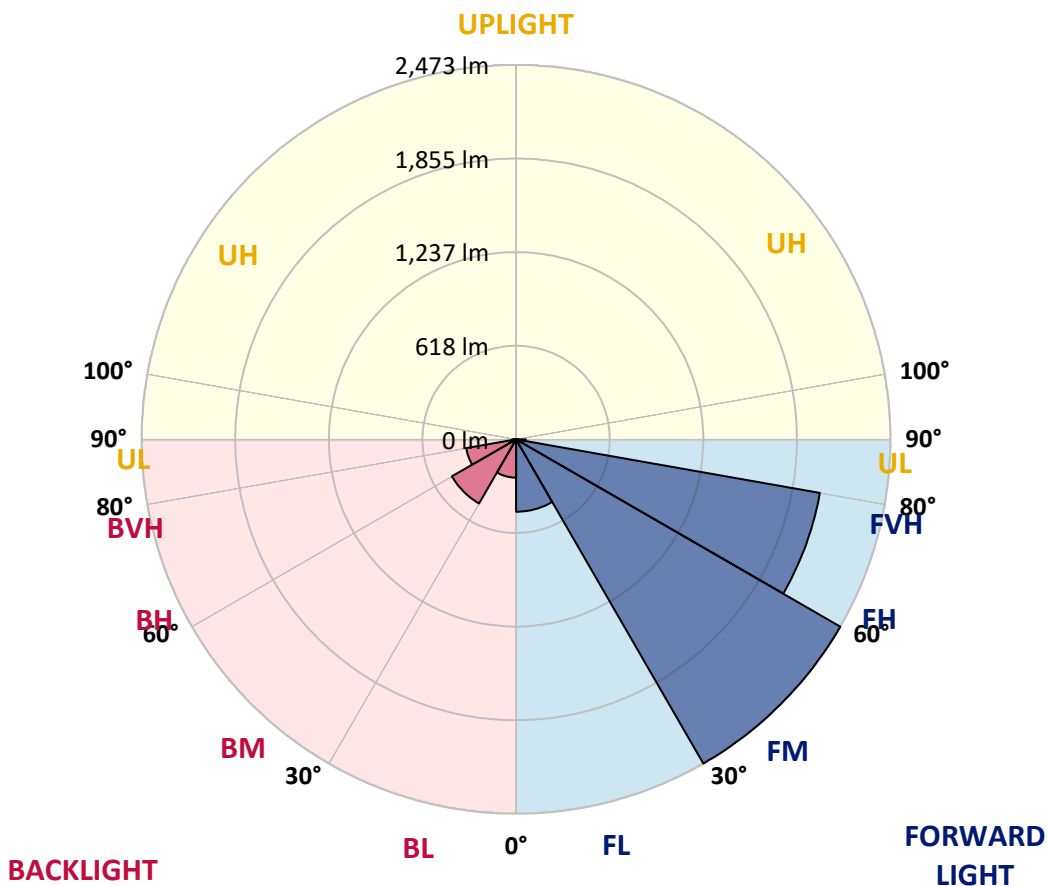
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	478.0	7.8			
FM (30°-60°)	2473.3	40.2			
FH (60°-80°)	2037.7	33.1			G2/5000
FVH (80°-90°)	64.7	1.1			G1/100
BL (0°-30°)	253.0	4.1	B1/500		
BM (30°-60°)	489.1	7.9	B1/1000		
BH (60°-80°)	334.4	5.4	B1/500		G1/500
BVH (80°-90°)	26.8	0.4			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	795.4	794.1	795.0	794.1	789.2	777.2	767.4	755.0	746.5	741.6	730.0
5°	888.9	887.5	884.4	880.0	871.1	854.6	830.1	803.0	786.5	774.1	749.6
7.5°	956.0	956.0	955.6	950.3	944.0	926.7	897.8	862.2	838.2	816.8	776.8
10°	990.3	992.5	995.6	1003.2	1001.9	992.5	965.4	927.1	896.9	872.0	812.3
12.5°	1009.0	1010.3	1015.7	1031.2	1047.2	1049.5	1033.5	993.4	960.5	927.1	851.9
15°	1033.0	1033.5	1040.6	1059.3	1082.8	1106.4	1102.4	1062.4	1028.6	991.6	896.0
17.5°	1051.7	1054.8	1067.7	1089.5	1118.9	1151.3	1170.9	1146.0	1104.2	1061.9	944.0
20°	1058.4	1060.6	1077.5	1110.9	1150.9	1196.7	1240.3	1233.6	1191.4	1141.6	998.3
22.5°	1082.4	1082.4	1094.8	1122.9	1170.0	1236.8	1307.5	1324.8	1287.5	1229.2	1056.6
25°	1135.3	1133.6	1139.3	1150.9	1186.5	1268.8	1373.8	1425.8	1384.0	1318.6	1114.9
27.5°	1207.8	1207.0	1206.5	1208.3	1220.3	1296.8	1429.8	1520.1	1478.3	1404.5	1166.9
30°	1286.6	1283.9	1289.7	1284.4	1281.7	1330.2	1477.4	1604.7	1572.2	1489.5	1210.1
32.5°	1393.8	1388.9	1387.6	1370.2	1359.5	1382.2	1515.7	1700.8	1675.0	1581.1	1258.6
35°	1535.3	1530.8	1508.1	1480.6	1449.0	1459.6	1563.3	1794.6	1796.4	1695.9	1322.2
37.5°	1678.1	1679.0	1661.2	1596.2	1563.7	1557.5	1635.8	1909.0	1947.2	1832.9	1404.5
40°	1796.9	1802.2	1802.2	1733.7	1685.2	1679.4	1737.7	2044.7	2120.7	2001.1	1508.6
42.5°	1887.2	1892.1	1907.6	1858.3	1807.1	1827.1	1861.4	2180.8	2317.4	2208.8	1640.3
45°	1986.4	1990.4	1998.8	1970.4	1940.6	1993.9	2001.5	2343.6	2542.5	2441.9	1793.3
47.5°	2118.1	2114.5	2115.4	2094.5	2071.4	2157.7	2155.9	2480.6	2760.0	2697.3	1959.2
50°	2281.8	2288.5	2282.2	2240.9	2213.7	2292.5	2302.7	2632.3	2951.3	2950.0	2126.5
52.5°	2439.3	2441.9	2474.9	2476.6	2421.0	2404.6	2431.3	2785.4	3112.8	3181.3	2287.1
55°	2447.3	2457.5	2556.3	2627.5	2717.3	2585.2	2561.2	2931.3	3269.0	3407.8	2453.9
57.5°	2276.9	2293.3	2461.1	2614.6	2864.6	2895.3	2783.6	3119.9	3425.1	3630.7	2647.0
60°	1913.0	1947.2	2175.0	2409.9	2798.3	3118.2	3238.7	3376.2	3630.2	3858.4	2881.5
62.5°	1221.6	1235.0	1554.4	1947.7	2499.8	3096.4	3734.3	3827.7	3942.5	4155.2	3242.7
65°	611.7	654.4	841.7	1162.5	1802.6	2728.4	3984.8	4654.8	4514.2	4663.2	3828.2
67.5°	415.1	428.9	523.6	698.5	1057.0	1933.0	3829.5	5351.4	5310.1	5334.5	4452.3
70°	306.1	315.0	389.7	494.7	639.3	1097.5	3048.8	5298.9	5581.4	5572.5	4386.9
72.5°	223.3	227.8	284.3	377.7	473.8	567.7	1861.8	4280.6	4872.3	5129.0	3836.6
75°	162.4	167.7	197.5	282.5	368.4	354.1	919.1	3091.9	3715.6	4209.4	3125.7
77.5°	121.0	127.7	141.5	177.1	258.0	253.6	397.3	2007.7	2403.2	2749.3	1898.7
80°	87.2	88.5	96.5	113.4	163.7	148.6	189.1	1046.8	1200.3	1315.1	744.3
82.5°	52.9	54.3	64.5	69.8	101.4	93.4	98.3	339.0	485.8	515.6	278.0
85°	15.6	16.5	29.4	32.0	42.3	40.0	39.6	137.9	164.6	210.4	109.4
87.5°	0.0	0.0	0.0	0.0	0.4	2.7	4.9	24.5	36.9	51.2	26.7
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°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	725.6	715.4	710.0	700.7	694.0	687.3	680.7	674.4	671.8	667.8	668.7
5°	738.5	722.5	706.5	688.2	672.7	659.8	648.2	638.0	633.5	629.5	631.3
7.5°	758.1	734.0	703.4	670.0	645.5	627.7	615.7	608.6	606.4	603.3	603.3
10°	783.0	747.0	693.1	645.5	616.2	601.9	596.6	596.1	598.4	598.8	597.9
12.5°	810.6	759.4	678.0	616.6	591.7	587.2	591.2	598.8	606.4	610.4	609.5
15°	839.0	767.4	652.2	589.0	573.9	579.7	592.6	607.7	622.4	629.9	629.5
17.5°	865.7	769.2	618.8	562.3	558.3	573.0	595.2	618.8	638.8	649.5	650.0
20°	895.5	766.1	584.6	538.3	542.8	566.8	596.1	624.6	648.2	658.9	661.5
22.5°	922.7	755.4	551.2	515.6	529.4	559.2	589.0	615.7	636.6	646.9	650.4
25°	947.1	734.9	514.7	496.5	519.2	548.5	571.2	589.9	604.6	610.8	615.7
27.5°	960.5	704.2	487.1	481.4	509.4	533.4	545.9	551.6	556.5	554.8	558.3
30°	963.2	666.0	463.1	469.3	494.7	512.5	515.2	509.4	500.9	487.1	490.3
32.5°	960.5	621.9	443.1	456.4	478.2	488.9	485.4	470.2	449.8	428.4	429.8
35°	961.4	577.5	426.6	442.2	459.1	464.9	456.0	435.1	413.3	393.7	392.8
37.5°	971.2	540.1	412.8	428.4	440.4	441.3	431.5	409.7	398.6	383.9	382.2
40°	998.3	512.5	400.4	414.6	422.2	421.7	410.6	395.1	402.6	397.7	396.4
42.5°	1042.8	495.6	390.2	399.9	405.3	406.2	397.3	387.5	403.9	397.7	395.5
45°	1114.4	494.7	383.0	385.3	393.7	399.9	393.7	382.6	388.8	358.6	352.8
47.5°	1199.4	509.8	377.7	372.4	387.0	398.2	388.4	370.6	357.7	330.1	326.1
50°	1301.7	540.5	372.8	358.6	377.3	391.5	381.7	357.2	337.7	323.0	320.8
52.5°	1423.2	581.0	366.6	343.0	362.6	387.9	381.7	355.9	330.1	316.8	314.5
55°	1550.4	627.7	359.5	324.3	346.1	388.8	384.8	346.6	324.3	317.2	315.4
57.5°	1708.3	683.8	346.6	302.5	331.4	380.8	372.4	341.2	320.3	314.5	312.7
60°	1913.4	767.0	322.1	280.3	314.5	366.6	361.2	332.3	309.6	304.7	303.4
62.5°	2238.2	908.0	292.3	258.9	294.5	336.8	344.8	315.4	296.3	295.8	295.4
65°	2767.6	1077.5	257.1	239.8	273.6	312.3	323.0	298.1	282.5	287.4	286.9
67.5°	3138.6	1092.2	228.2	219.8	249.1	285.6	301.2	280.3	263.4	272.7	272.3
70°	2874.8	851.9	203.3	198.9	222.9	256.7	277.6	258.0	241.1	250.0	248.2
72.5°	2424.6	653.1	179.7	177.1	196.2	226.4	247.4	235.8	218.0	218.0	214.0
75°	1948.6	538.7	154.8	153.5	166.4	195.7	219.3	199.8	183.3	182.4	179.7
77.5°	1117.5	353.2	129.9	129.0	133.0	163.7	170.4	166.4	153.9	148.1	146.4
80°	445.3	183.7	102.3	96.5	100.5	120.1	134.4	127.7	117.0	109.9	105.9
82.5°	172.6	92.1	72.1	63.2	69.0	86.8	97.4	95.2	88.1	72.1	67.6
85°	70.3	44.9	43.2	36.5	40.0	46.7	56.1	48.5	40.0	28.5	27.1
87.5°	18.7	16.5	16.0	9.8	7.6	2.2	0.4	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)