

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: P629978

Luminaire Tested: GWS-SA1C-760-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629978  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-760-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

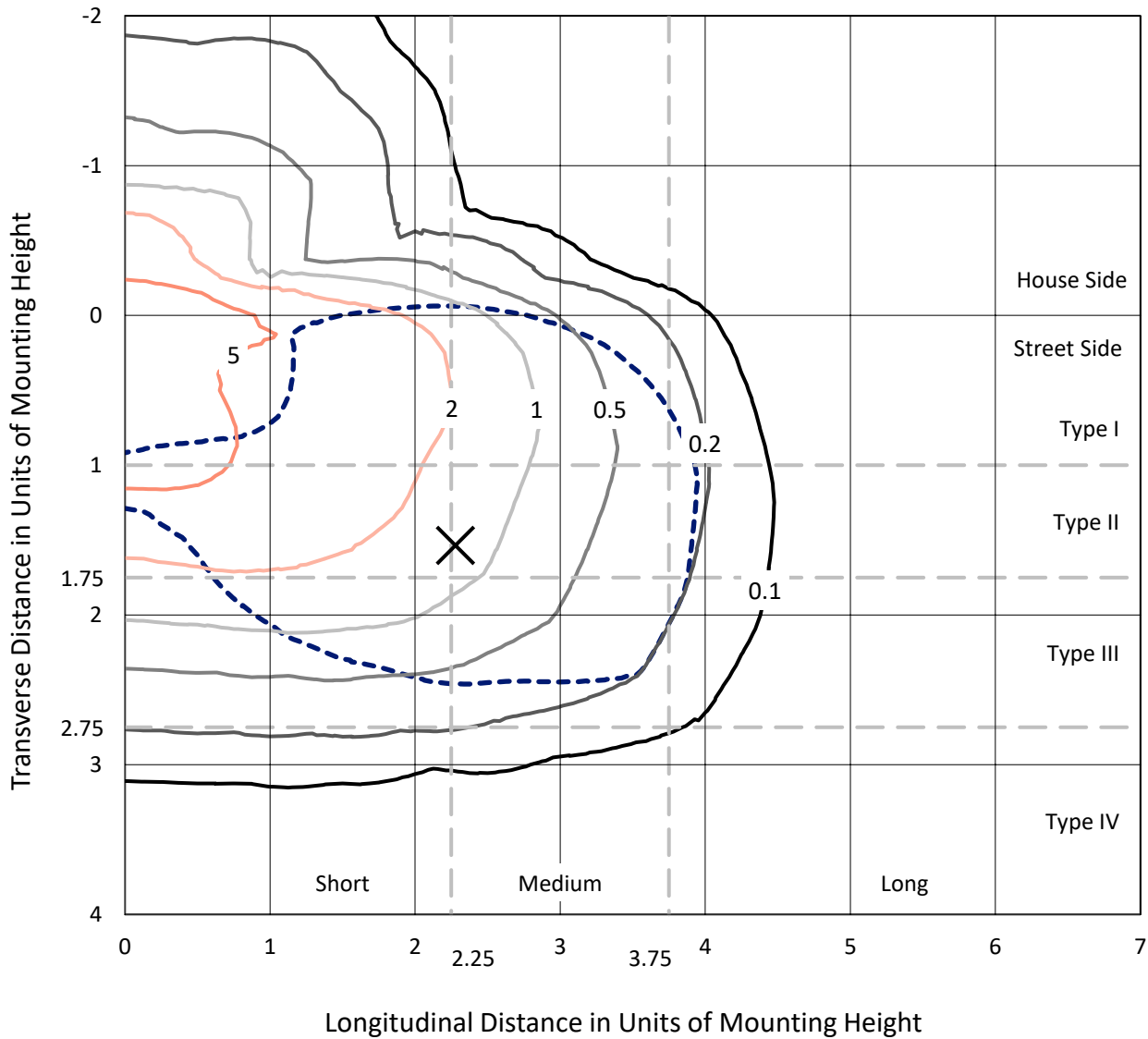
Lumens per Lamp: N/A  
Luminaire Lumens: 4929.8 lumens  
Efficiency: N/A  
Efficacy: 144.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

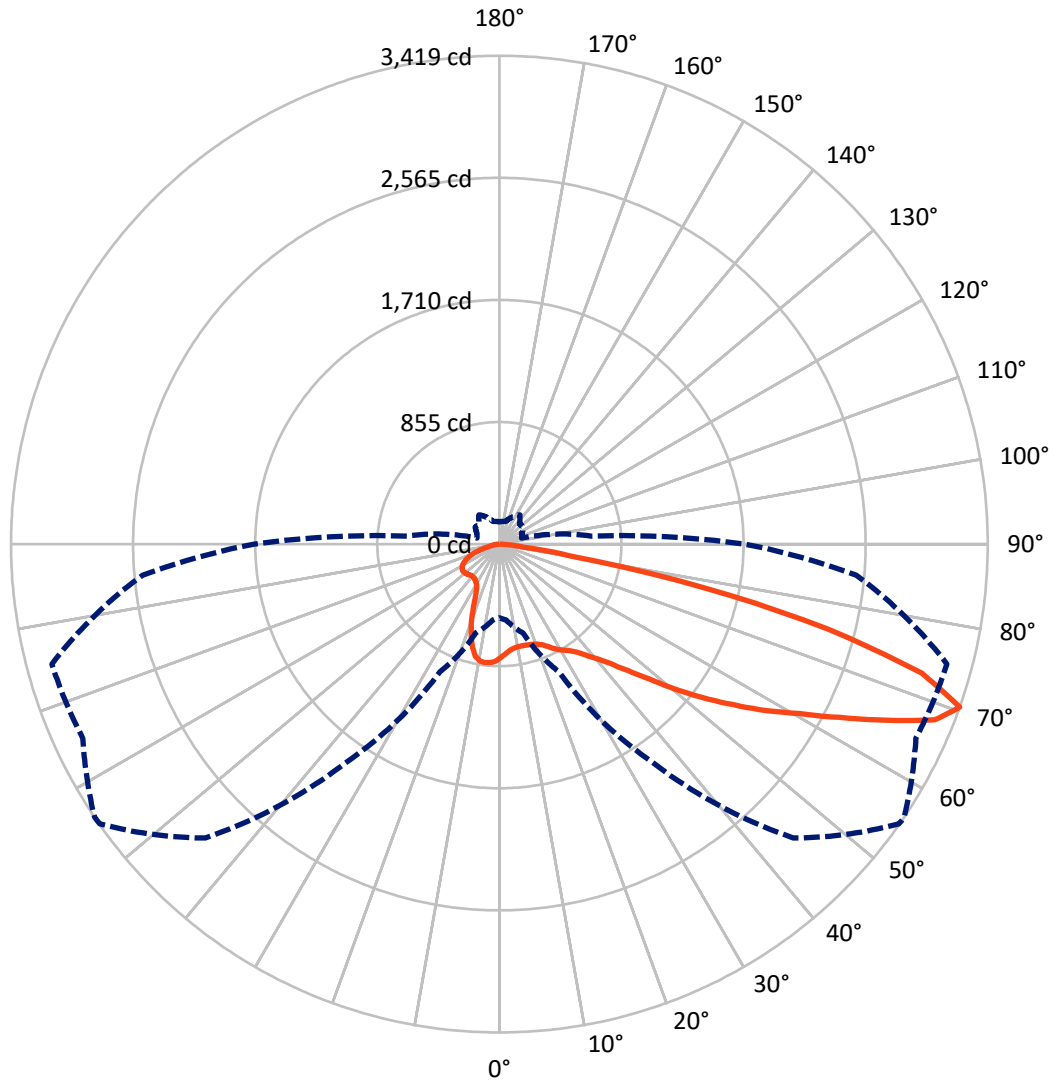
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	947.8	0.0	947.8
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	3982.0	0.0	3982.0
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	4929.8	0.0	4929.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.6	1.5
10°-20°	199.5	4.0
20°-30°	329.9	6.7
30°-40°	493.2	10.0
40°-50°	733.9	14.9
50°-60°	1043.4	21.2
60°-70°	1292.3	26.2
70°-80°	713.6	14.5
80°-90°	50.3	1.0
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°	4929.8	100.0
0°-180°	4929.8	100.0

**Coefficient of Utilization**



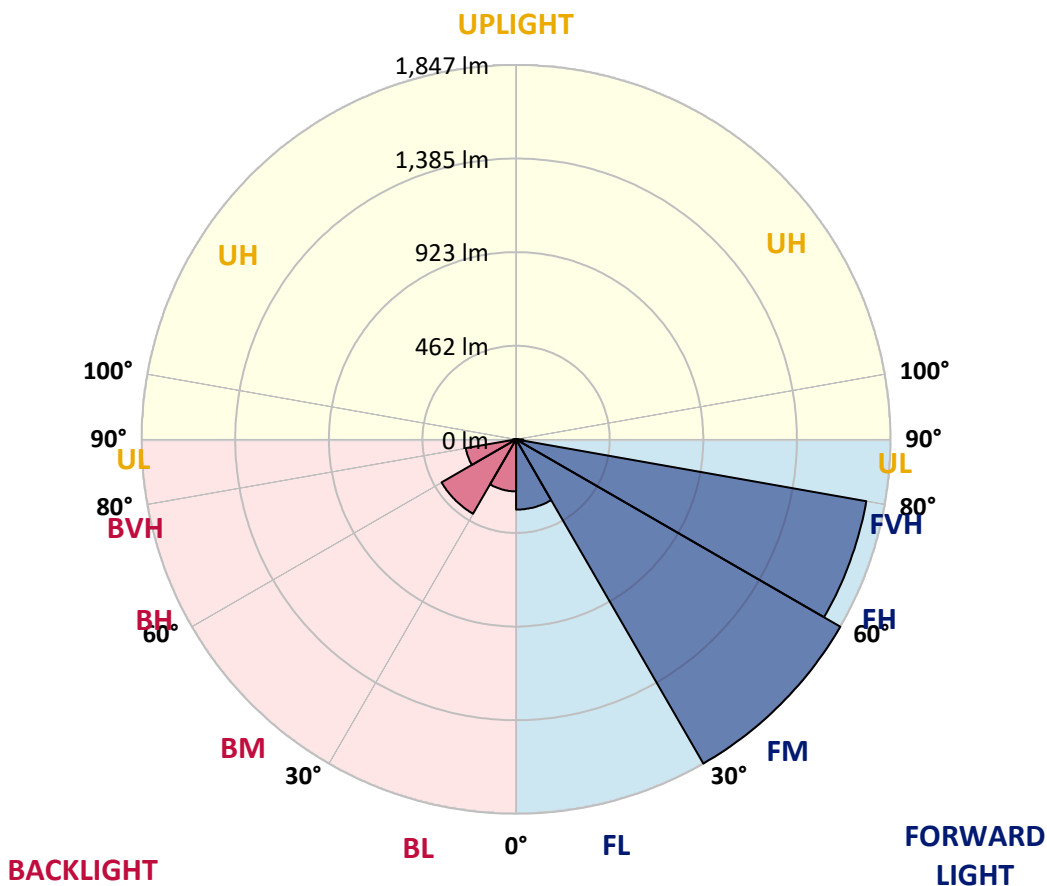
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	346.5	7.0			
FM (30°-60°)	1846.6	37.5			
FH (60°-80°)	1754.0	35.6			G1/1800
FVH (80°-90°)	34.9	0.7			G1/100
BL (0°-30°)	256.6	5.2	B1/500		
BM (30°-60°)	424.0	8.6	B1/1000		
BH (60°-80°)	251.9	5.1	B1/500		G1/500
BVH (80°-90°)	15.3	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7
2.5°	744.6	740.5	745.3	747.8	754.0	763.1	771.1	771.4	775.6	785.7	795.4
5°	710.9	708.8	710.2	717.5	724.1	735.6	747.8	748.8	760.6	780.4	799.9
7.5°	684.8	682.1	687.3	696.7	705.0	717.9	733.9	735.3	751.9	781.8	811.7
10°	647.3	645.2	655.0	667.5	685.5	706.7	728.0	729.7	751.6	790.9	832.6
12.5°	631.0	631.0	635.1	647.0	666.8	694.9	726.9	729.7	757.2	804.8	859.4
15°	656.3	658.1	654.6	653.9	661.9	688.7	728.3	732.5	767.6	819.0	885.8
17.5°	707.4	709.2	700.1	685.9	677.9	694.6	733.5	738.0	778.7	834.7	914.3
20°	779.1	781.1	761.3	739.4	712.0	711.6	743.6	747.8	793.0	851.7	944.5
22.5°	862.8	864.2	839.2	804.4	762.4	743.3	761.0	765.2	811.4	875.4	977.2
25°	959.8	964.0	933.8	883.4	826.3	786.7	789.8	794.7	844.4	907.0	1015.8
27.5°	1063.4	1068.6	1033.9	978.3	899.7	834.7	827.0	831.2	879.5	926.5	1036.3
30°	1169.5	1173.3	1138.5	1074.9	978.6	888.9	858.3	860.8	894.8	935.8	1057.2
32.5°	1287.3	1284.2	1250.8	1177.5	1069.7	953.9	887.5	886.8	911.9	954.6	1087.1
35°	1397.9	1402.4	1366.9	1285.9	1169.8	1034.2	931.3	928.5	948.0	985.2	1129.1
37.5°	1531.7	1530.3	1487.9	1400.3	1270.3	1111.1	992.9	988.0	994.9	1032.8	1187.9
40°	1627.3	1637.0	1609.6	1527.9	1387.8	1205.6	1064.8	1054.0	1055.8	1091.6	1266.4
42.5°	1705.5	1714.6	1717.3	1665.2	1522.3	1322.4	1154.5	1143.7	1144.8	1195.5	1363.1
45°	1765.7	1777.8	1817.1	1801.8	1673.9	1457.3	1275.8	1264.7	1265.4	1321.7	1479.9
47.5°	1790.3	1803.6	1883.2	1919.7	1834.8	1618.6	1426.7	1410.4	1412.8	1475.0	1613.4
50°	1782.3	1800.1	1907.8	2010.4	1969.7	1782.7	1607.1	1595.7	1586.3	1676.7	1758.4
52.5°	1713.5	1733.0	1905.4	2068.1	2079.9	1937.7	1793.5	1786.9	1784.8	1890.8	1920.4
55°	1510.8	1543.5	1821.6	2083.4	2166.1	2083.7	1995.4	1984.3	1995.1	2120.2	2084.1
57.5°	1398.6	1422.9	1657.5	2066.4	2236.7	2222.8	2197.1	2198.1	2210.3	2369.5	2282.6
60°	1334.6	1363.1	1566.5	2019.8	2304.5	2391.8	2408.1	2408.1	2430.0	2638.2	2484.2
62.5°	1249.8	1278.6	1481.3	1930.1	2367.1	2590.6	2673.3	2672.3	2681.0	2926.4	2681.3
65°	1077.7	1104.4	1310.3	1788.6	2397.7	2809.6	2974.7	2971.6	2954.2	3183.0	2811.7
67.5°	782.5	807.9	1003.6	1519.5	2287.5	2986.2	3285.2	3286.6	3182.6	3344.6	2818.7
70°	515.9	533.3	645.2	986.9	1860.2	2910.1	3415.2	3419.4	3217.7	3243.8	2508.6
72.5°	321.9	334.1	402.9	588.6	1099.2	2303.5	3081.5	3092.9	2894.8	2850.6	2061.2
75°	213.8	222.1	268.0	343.1	508.6	1246.6	2342.4	2379.2	2320.1	2234.6	1436.1
77.5°	128.6	135.6	170.7	218.0	225.3	487.0	1367.3	1462.5	1470.9	1166.7	601.4
80°	58.8	66.7	94.2	124.5	119.9	169.6	482.2	504.4	595.2	370.6	189.8
82.5°	34.8	38.2	62.6	61.9	51.1	82.4	173.5	178.0	151.2	135.6	81.0
85°	13.9	16.3	26.4	23.3	18.8	26.8	65.4	68.5	65.7	59.1	29.9
87.5°	0.0	0.0	0.0	0.0	0.3	0.7	5.9	6.3	9.0	16.3	9.0
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°	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7
2.5°	801.7	799.6	810.0	818.0	821.5	824.9	821.8	820.8	820.8	813.8	810.3
5°	810.3	811.4	825.6	832.2	832.2	829.5	821.1	815.2	813.1	804.1	801.7
7.5°	826.7	831.2	844.4	844.1	834.3	819.0	798.2	782.2	767.6	761.3	757.5
10°	853.5	859.4	868.4	853.8	826.7	786.4	742.2	707.4	686.6	669.9	669.9
12.5°	884.0	889.6	887.9	854.1	798.2	722.7	659.1	619.1	589.9	574.6	574.6
15°	914.6	919.2	900.4	838.2	738.7	638.3	568.7	520.8	495.4	481.1	481.1
17.5°	945.6	945.2	905.6	801.3	661.2	544.8	476.6	439.4	430.7	428.3	427.9
20°	975.5	967.5	899.0	739.8	571.2	450.5	407.4	409.9	422.7	428.3	429.0
22.5°	1009.2	989.4	879.5	661.2	469.0	385.2	388.0	408.1	426.9	435.2	436.3
25°	1043.6	1008.2	846.8	569.1	383.4	361.2	382.8	405.3	426.6	437.3	438.4
27.5°	1057.5	1008.2	791.2	462.4	337.9	351.1	374.8	396.7	418.9	431.4	433.9
30°	1069.0	999.5	713.4	366.1	319.1	341.4	361.9	382.1	404.0	419.3	422.0
32.5°	1085.0	991.8	619.1	307.7	310.4	332.0	346.2	363.3	383.1	393.2	392.1
35°	1103.8	980.0	505.5	279.8	303.1	324.0	334.1	344.2	335.1	334.8	335.8
37.5°	1130.5	969.6	406.4	267.3	298.3	318.4	326.8	305.2	292.7	287.5	285.4
40°	1169.1	965.4	320.5	260.0	297.6	318.1	312.2	278.8	261.8	243.7	243.3
42.5°	1217.8	962.3	264.9	256.6	300.0	326.1	292.0	261.4	226.3	218.3	217.6
45°	1280.4	957.4	237.1	255.9	305.9	332.3	289.9	237.4	213.5	210.0	210.0
47.5°	1355.8	949.7	224.6	255.9	312.5	329.6	283.7	232.2	207.5	211.4	213.8
50°	1442.4	940.0	218.0	255.2	319.1	329.6	270.5	231.2	206.1	226.0	234.0
52.5°	1534.8	928.9	213.5	252.4	323.7	329.9	271.2	234.7	207.5	229.4	236.0
55°	1637.0	927.2	207.2	246.5	325.0	320.9	272.9	242.3	209.6	207.9	208.2
57.5°	1766.0	948.0	202.7	237.8	319.5	302.4	276.4	247.9	207.2	207.5	210.0
60°	1900.9	987.3	206.5	229.4	308.0	285.1	278.8	245.1	195.4	189.8	190.5
62.5°	2015.6	1017.2	209.6	225.6	291.3	269.8	276.4	238.8	188.8	187.4	190.5
65°	2063.6	992.5	202.0	217.6	267.0	251.0	271.2	230.8	183.2	178.0	178.3
67.5°	2010.4	876.7	187.0	199.9	239.5	227.0	262.8	220.4	175.6	169.3	167.9
70°	1717.3	644.2	161.3	171.7	206.1	198.8	250.0	206.8	163.4	158.9	155.7
72.5°	1384.0	456.1	133.8	136.6	161.7	167.6	227.7	189.8	149.5	136.6	132.1
75°	963.3	286.5	111.6	108.8	116.8	127.9	177.6	157.5	129.0	115.4	111.2
77.5°	414.4	147.1	87.3	85.9	77.9	88.6	136.3	131.4	108.1	92.5	90.0
80°	138.7	85.2	62.9	60.5	51.8	62.2	95.9	105.0	84.8	68.5	64.3
82.5°	69.5	49.4	40.0	36.2	34.8	39.3	56.7	65.4	58.8	47.3	40.0
85°	34.1	28.2	21.9	21.6	18.1	17.0	23.6	27.8	26.4	19.5	18.4
87.5°	12.5	11.1	7.0	5.6	3.5	2.4	1.4	1.4	1.0	1.0	1.0
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)