

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: P629811

Luminaire Tested: GWS-SA1C-735-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629811  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-735-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

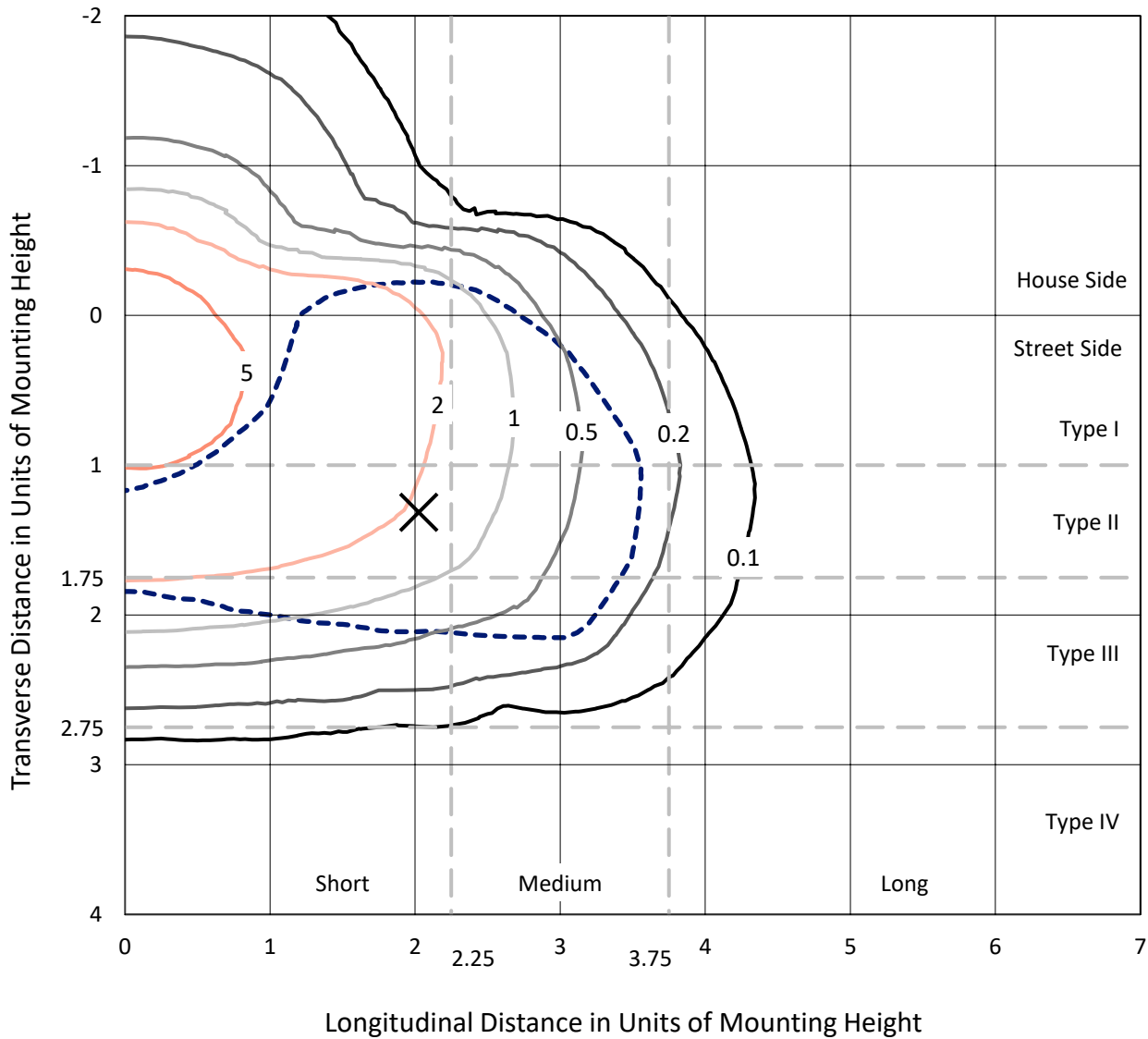
Lumens per Lamp: N/A  
Luminaire Lumens: 4743.9 lumens  
Efficiency: N/A  
Efficacy: 139.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

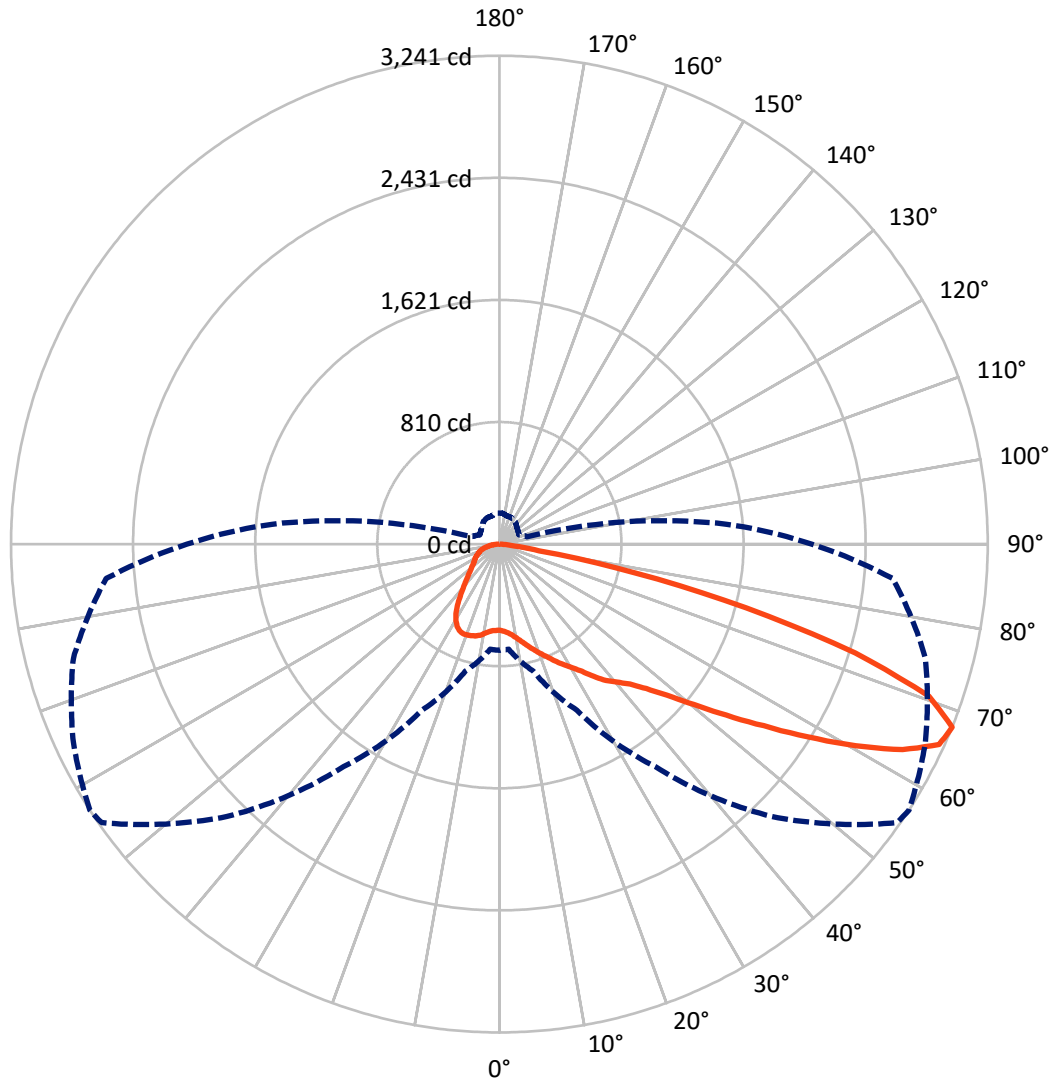
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1043.0	0.0	1043.0
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	3700.9	0.0	3700.9
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	4743.9	0.0	4743.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.7	1.2
10°-20°	187.7	4.0
20°-30°	334.6	7.1
30°-40°	486.5	10.3
40°-50°	704.1	14.8
50°-60°	1101.8	23.2
60°-70°	1285.4	27.1
70°-80°	536.6	11.3
80°-90°	50.6	1.1
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°	4743.9	100.0
0°-180°	4743.9	100.0

**Coefficient of Utilization**



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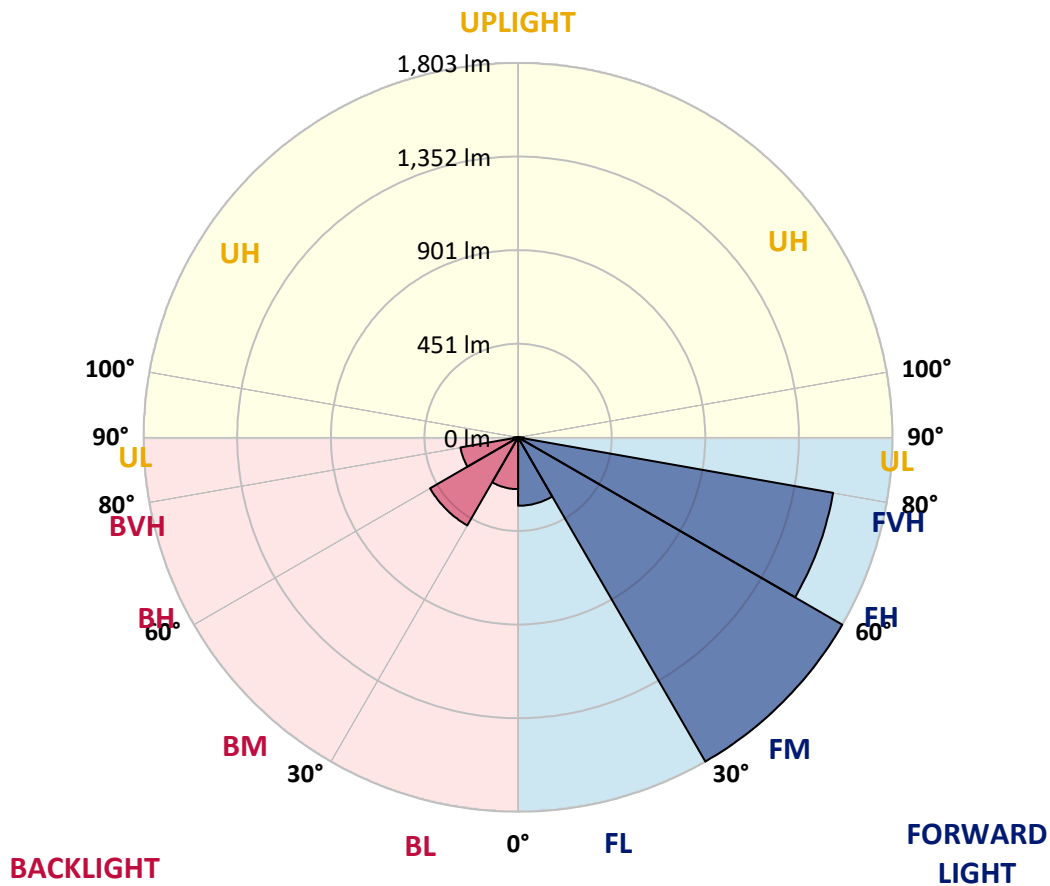
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	329.5	6.9			
FM (30°-60°)	1802.8	38.0			
FH (60°-80°)	1540.4	32.5			G1/1800
FVH (80°-90°)	28.2	0.6			G1/100
BL (0°-30°)	249.5	5.3	B1/500		
BM (30°-60°)	489.6	10.3	B1/1000		
BH (60°-80°)	281.5	5.9	B1/500		G1/500
BVH (80°-90°)	22.4	0.5			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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	571.6	571.6	571.6	571.6	571.6	571.6	571.6	571.6	571.6	571.6	571.6
2.5°	579.8	579.1	578.7	580.8	580.1	579.8	579.8	579.4	578.7	576.0	572.3
5°	595.7	594.4	593.0	594.7	593.4	592.0	591.7	591.0	588.6	584.5	578.7
7.5°	612.4	611.0	611.4	612.4	611.4	610.7	609.7	609.0	605.3	598.8	591.0
10°	635.8	635.8	636.5	637.5	637.9	636.9	634.8	633.8	629.4	621.2	610.3
12.5°	669.8	669.1	669.1	668.5	669.5	668.5	666.4	664.7	659.3	648.8	633.1
15°	714.7	712.0	709.6	705.2	703.8	700.1	700.7	699.7	694.6	680.4	660.6
17.5°	762.6	762.3	758.5	749.7	740.8	734.7	736.1	735.7	733.0	713.7	688.5
20°	804.7	806.4	803.0	796.2	784.3	772.8	772.1	773.8	770.4	751.0	716.0
22.5°	852.0	850.6	847.2	838.4	829.5	817.3	813.2	811.9	810.5	788.4	744.2
25°	896.8	900.9	896.5	888.3	874.7	861.5	858.1	859.5	855.7	826.5	774.5
27.5°	953.6	955.3	952.6	941.4	929.8	911.1	904.6	904.6	903.3	862.2	798.3
30°	1014.1	1018.8	1014.1	1004.9	993.0	966.2	952.2	950.9	946.8	898.9	826.1
32.5°	1074.9	1078.3	1074.9	1066.1	1052.5	1029.0	1009.0	1005.9	1000.5	939.0	854.7
35°	1128.9	1132.0	1131.3	1133.4	1122.1	1092.6	1080.3	1079.0	1064.7	991.3	893.4
37.5°	1188.1	1191.8	1186.7	1190.8	1186.4	1158.5	1154.8	1148.0	1127.6	1040.6	934.2
40°	1255.4	1258.8	1250.6	1252.3	1247.2	1231.6	1212.5	1203.4	1173.1	1093.9	998.4
42.5°	1327.4	1335.2	1339.0	1335.9	1324.0	1315.2	1281.9	1270.3	1245.2	1190.1	1104.1
45°	1431.7	1443.3	1448.7	1440.9	1435.8	1423.2	1382.5	1368.5	1355.3	1325.7	1251.6
47.5°	1544.2	1554.8	1572.1	1575.5	1579.6	1570.1	1512.6	1499.0	1501.4	1498.0	1433.1
50°	1633.9	1642.8	1681.9	1723.7	1758.3	1761.0	1687.6	1673.0	1685.9	1696.8	1651.6
52.5°	1699.2	1707.0	1758.7	1845.0	1923.5	1981.6	1902.4	1885.8	1896.3	1920.8	1900.0
55°	1752.2	1763.1	1817.1	1949.7	2108.4	2200.1	2149.5	2128.4	2124.0	2154.2	2166.1
57.5°	1780.1	1783.5	1859.3	2031.6	2244.0	2414.5	2436.6	2412.9	2370.7	2387.4	2449.2
60°	1716.5	1722.3	1826.0	2052.6	2351.0	2627.3	2738.1	2718.4	2628.6	2637.8	2706.1
62.5°	1540.8	1549.0	1673.7	1952.4	2359.8	2769.3	3016.4	3003.8	2883.5	2833.9	2854.3
65°	1236.0	1238.7	1367.8	1704.3	2184.1	2787.0	3210.5	3207.4	3061.6	2945.4	2858.0
67.5°	704.8	700.1	872.7	1215.6	1802.5	2557.3	3223.0	3241.0	3119.4	2927.0	2620.2
70°	305.5	306.2	385.7	599.8	1166.7	2066.9	2993.6	3024.6	2952.2	2621.5	2084.6
72.5°	141.4	143.4	177.7	259.6	498.2	1282.2	2441.1	2468.9	2406.7	2098.2	1516.7
75°	99.9	101.6	118.6	148.8	229.1	499.6	1632.9	1691.4	1721.6	1569.4	999.5
77.5°	75.8	78.2	86.7	103.3	141.4	177.1	781.3	920.6	1096.7	976.4	514.9
80°	48.3	48.3	57.4	69.0	86.3	92.1	225.7	267.5	536.6	402.4	202.2
82.5°	32.6	33.6	39.1	43.8	49.6	52.3	96.9	103.3	155.0	137.0	83.3
85°	17.3	18.0	20.4	20.1	23.8	20.7	40.8	40.4	56.8	62.2	31.6
87.5°	0.0	0.0	0.3	0.3	0.7	1.0	4.4	4.8	11.9	19.0	10.5
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°	571.6	571.6	571.6	571.6	571.6	571.6	571.6	571.6	571.6	571.6	571.6
2.5°	574.3	570.2	572.3	571.6	573.6	573.6	569.9	568.9	569.2	565.2	563.8
5°	579.4	574.7	575.7	574.3	576.4	578.1	576.4	576.4	578.4	575.3	573.6
7.5°	591.0	585.5	585.5	583.8	586.2	587.6	586.2	588.3	592.0	588.9	587.2
10°	609.3	602.9	603.2	601.2	602.2	601.5	596.1	594.4	595.4	592.7	591.3
12.5°	633.1	624.3	624.3	620.2	617.8	610.7	599.5	595.4	596.1	593.7	592.7
15°	655.9	647.7	646.0	637.9	627.0	613.7	603.6	600.8	601.5	599.1	597.4
17.5°	682.7	672.2	666.1	651.1	631.1	617.5	607.3	600.8	595.4	590.0	588.6
20°	707.5	694.3	683.1	660.0	635.5	616.8	597.8	581.8	568.5	561.4	559.7
22.5°	733.0	716.0	696.3	666.1	635.2	604.6	569.6	545.4	525.7	515.2	517.2
25°	757.2	735.7	708.9	671.9	624.3	577.4	529.8	493.8	471.4	463.2	460.8
27.5°	777.2	750.7	720.5	669.1	601.9	538.3	475.4	435.3	413.6	404.4	402.0
30°	799.6	769.7	737.1	656.6	566.5	483.6	413.9	381.3	365.7	356.8	357.2
32.5°	825.5	794.2	760.6	632.4	521.3	424.5	363.3	340.9	328.3	319.4	318.1
35°	860.1	829.2	776.2	596.1	463.9	370.1	328.6	310.3	294.6	283.1	280.7
37.5°	902.9	881.9	777.9	547.5	402.4	332.7	303.8	284.1	265.1	249.8	248.1
40°	976.4	952.2	764.0	486.6	350.0	308.6	283.1	260.3	238.2	221.2	218.9
42.5°	1081.0	1031.4	734.1	418.0	310.6	289.5	263.4	234.5	212.1	200.2	198.5
45°	1214.2	1119.8	689.2	353.4	281.4	270.9	242.6	212.4	200.5	192.0	190.3
47.5°	1377.4	1222.7	637.5	303.1	258.6	253.9	221.6	204.9	194.4	187.3	185.6
50°	1572.4	1353.9	595.1	263.7	238.2	234.1	214.8	200.5	192.0	186.2	184.9
52.5°	1795.0	1499.7	574.3	235.5	220.6	216.5	212.4	199.5	192.3	187.9	186.2
55°	2026.1	1653.3	555.0	213.8	205.6	208.0	212.7	202.9	197.4	191.7	190.0
57.5°	2249.4	1797.4	507.4	196.8	194.7	203.9	214.4	206.3	199.8	194.0	192.0
60°	2403.3	1876.2	426.8	183.2	186.6	198.8	210.0	201.2	193.0	190.6	189.6
62.5°	2444.8	1866.7	331.3	169.2	176.7	187.6	198.5	192.7	184.2	187.9	188.3
65°	2347.9	1764.8	248.8	155.6	163.8	173.0	186.6	184.2	181.1	191.3	191.7
67.5°	2073.7	1514.3	189.6	143.8	150.5	161.8	182.8	192.7	193.4	206.3	204.9
70°	1569.0	1131.3	148.5	132.5	140.4	161.8	194.7	199.1	191.0	202.9	200.2
72.5°	1084.8	746.6	126.4	122.7	127.8	154.3	194.4	194.4	185.6	185.6	180.5
75°	673.9	439.1	110.1	110.1	110.1	134.9	188.9	179.1	163.5	156.3	152.2
77.5°	332.7	213.4	92.4	95.8	92.1	112.8	154.3	146.5	137.0	129.5	126.8
80°	142.1	106.7	74.8	78.5	74.1	85.0	122.3	120.6	111.5	101.6	98.6
82.5°	65.2	55.1	59.8	61.5	54.0	63.9	89.4	89.4	84.3	70.7	65.6
85°	27.9	29.2	41.5	41.5	34.0	36.0	47.9	45.5	40.8	33.3	30.6
87.5°	9.5	14.3	21.1	18.4	7.1	3.1	1.7	0.7	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)