

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: P629970

Luminaire Tested: GWS-SA1C-760-U-T2R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629970  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-760-U-T2R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4944.7 lumens  
Efficiency: N/A  
Efficacy: 145.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - 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

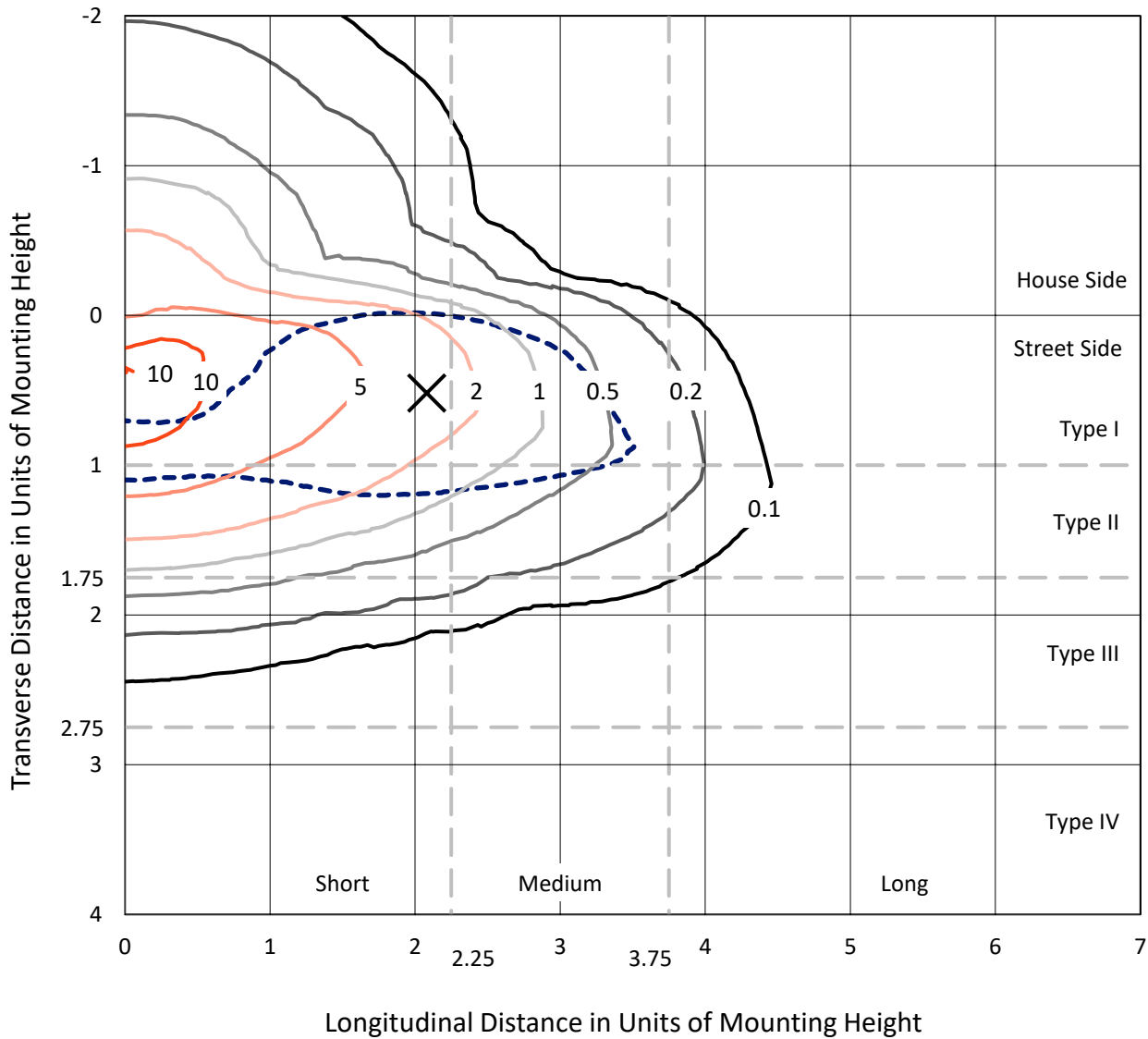


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### Iso-Footcandle Lines of Horizontal Illumination

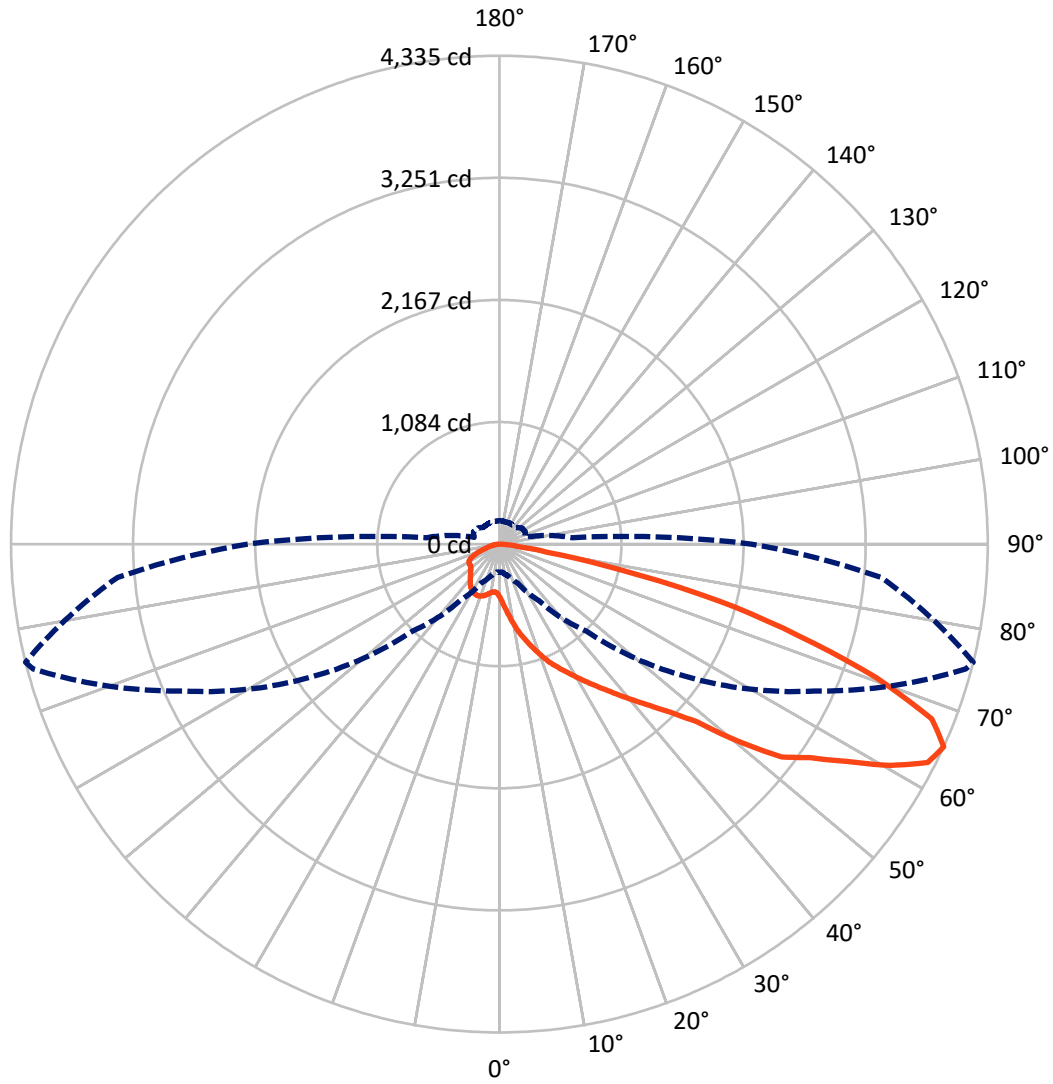
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	826.5	0.0	826.5
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	4118.2	0.0	4118.2
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	4944.7	0.0	4944.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.6	1.1
10°-20°	211.9	4.3
20°-30°	412.9	8.4
30°-40°	690.6	14.0
40°-50°	988.8	20.0
50°-60°	1170.6	23.7
60°-70°	973.4	19.7
70°-80°	398.3	8.1
80°-90°	42.4	0.9
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°	4944.7	100.0
0°-180°	4944.7	100.0

**Coefficient of Utilization**



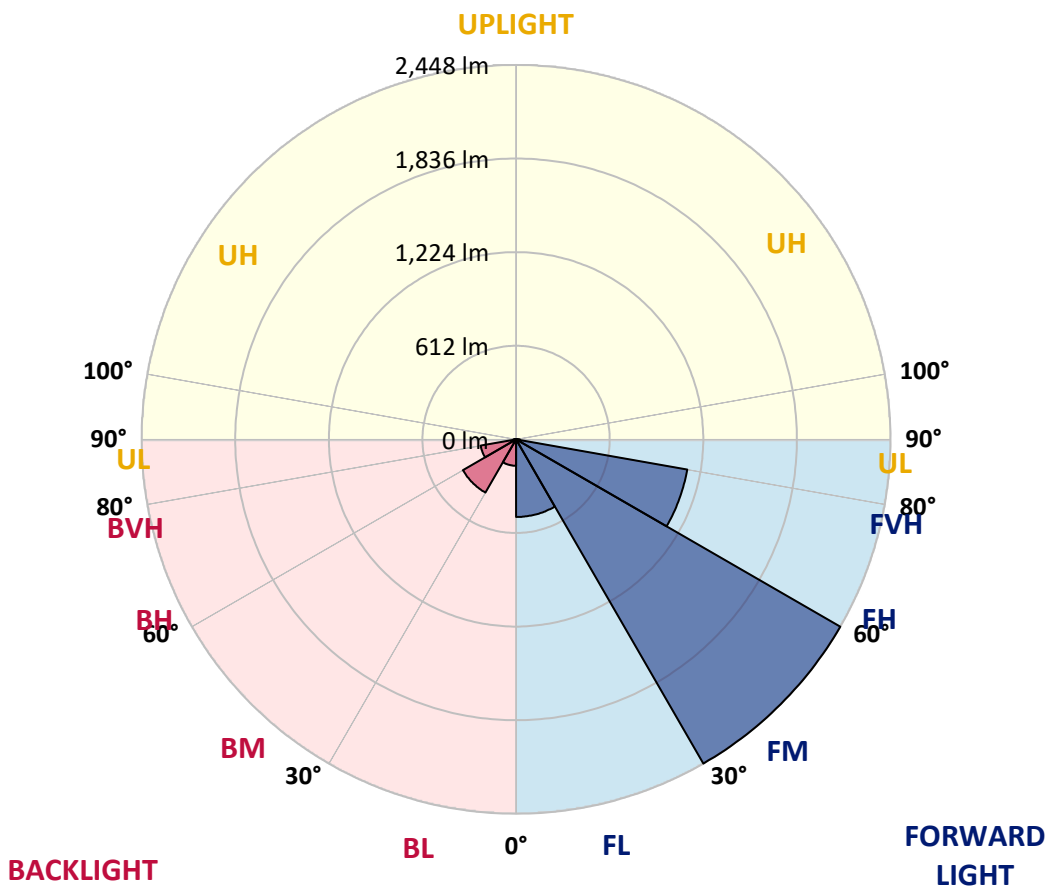
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	507.6	10.3			
FM (30°-60°)	2448.4	49.5			
FH (60°-80°)	1136.9	23.0			G1/1800
FVH (80°-90°)	25.3	0.5			G1/100
BL (0°-30°)	172.9	3.5	B1/500		
BM (30°-60°)	401.7	8.1	B1/1000		
BH (60°-80°)	234.8	4.7	B1/500		G1/500
BVH (80°-90°)	17.1	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	656.3	658.7	650.7	648.0	629.2	603.8	582.6	550.6	521.1	516.6	490.1
5°	833.6	823.2	814.1	808.2	782.1	753.3	708.5	648.3	585.4	577.7	520.7
7.5°	938.9	937.2	926.1	922.6	902.4	873.6	827.3	752.6	661.2	648.7	562.1
10°	1023.4	1022.4	1016.8	1019.9	1001.5	973.3	928.5	851.3	744.3	731.7	608.3
12.5°	1097.1	1098.8	1097.8	1109.3	1099.9	1078.0	1031.4	946.6	827.3	813.8	664.7
15°	1151.0	1152.4	1157.6	1182.6	1187.8	1183.3	1136.0	1040.1	909.4	889.9	722.7
17.5°	1166.3	1169.0	1181.6	1221.9	1250.0	1268.8	1233.7	1135.3	990.0	968.8	781.8
20°	1186.8	1189.9	1202.4	1244.5	1285.8	1328.6	1322.3	1232.0	1071.4	1054.0	841.6
22.5°	1281.7	1279.2	1273.7	1293.8	1323.4	1376.6	1392.2	1324.8	1155.5	1138.8	907.6
25°	1464.5	1460.0	1424.5	1406.1	1396.4	1428.7	1456.5	1409.3	1237.5	1212.5	969.2
27.5°	1666.1	1663.7	1618.5	1574.7	1514.9	1501.0	1517.4	1482.9	1317.1	1291.8	1022.7
30°	1857.0	1849.7	1802.4	1747.5	1667.5	1607.7	1583.8	1555.3	1404.4	1378.0	1085.3
32.5°	2027.7	2018.3	1962.7	1901.8	1818.1	1747.5	1675.9	1632.1	1503.1	1472.5	1149.2
35°	2167.8	2158.4	2101.4	2036.7	1944.6	1892.4	1794.4	1715.5	1603.6	1572.6	1224.7
37.5°	2276.2	2267.5	2208.1	2144.5	2064.2	2022.8	1937.6	1809.4	1719.3	1687.0	1304.6
40°	2337.1	2330.8	2283.2	2232.8	2165.3	2129.5	2091.3	1927.9	1849.0	1816.7	1398.8
42.5°	2355.5	2351.3	2317.9	2291.9	2246.3	2219.2	2241.1	2067.3	1987.3	1959.2	1504.8
45°	2309.2	2309.2	2299.5	2312.7	2314.8	2314.5	2391.3	2224.8	2157.3	2126.4	1654.3
47.5°	2191.1	2198.7	2213.0	2278.0	2346.4	2403.8	2566.8	2434.7	2376.0	2350.6	1866.0
50°	1974.8	1995.7	2044.4	2171.2	2316.9	2462.9	2733.0	2745.2	2801.1	2756.3	2177.5
52.5°	1658.1	1655.0	1779.1	1959.9	2182.0	2465.3	2824.4	3019.1	3169.6	3138.7	2409.0
55°	1317.8	1312.6	1428.4	1677.6	1975.2	2372.2	2879.3	3144.6	3374.0	3346.2	2617.2
57.5°	1009.1	1002.5	1105.4	1330.3	1683.2	2174.4	2868.9	3294.1	3655.2	3641.0	2900.2
60°	694.5	686.6	782.8	979.6	1337.6	1871.9	2753.5	3370.9	3984.4	3989.3	3203.0
62.5°	417.1	412.6	482.5	635.1	962.2	1497.2	2483.4	3324.3	4246.5	4268.4	3397.6
65°	251.7	248.5	289.6	378.9	610.4	1092.6	2067.0	3086.2	4284.4	4334.8	3402.2
67.5°	183.2	183.5	195.4	230.8	356.0	705.7	1551.1	2659.3	4087.0	4139.1	3187.7
70°	159.2	159.9	166.2	174.2	215.2	403.9	1008.4	2099.3	3503.3	3543.6	2673.5
72.5°	141.5	141.5	145.7	149.8	168.2	246.1	540.2	1467.3	2765.0	2775.7	2040.5
75°	124.4	123.4	125.5	127.6	146.0	172.1	262.8	1022.4	2042.3	2017.2	1318.9
77.5°	99.1	98.0	98.4	100.5	117.1	123.1	133.1	638.6	1151.0	1086.3	582.6
80°	70.6	69.9	73.7	78.9	86.6	75.4	83.4	309.0	456.4	424.8	226.0
82.5°	42.1	43.5	49.4	53.5	59.8	47.3	53.9	103.2	161.6	157.5	91.8
85°	5.9	6.3	17.7	20.5	25.7	18.4	28.5	46.6	64.7	69.2	32.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	8.3	18.4	18.8	8.0
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°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	476.6	460.2	437.0	417.5	401.2	387.9	376.8	368.5	366.0	362.6	362.6
5°	494.0	464.4	422.7	393.2	376.1	366.0	359.1	355.6	353.9	351.8	350.7
7.5°	518.0	476.6	420.3	390.4	377.2	370.9	366.4	364.3	362.9	360.8	360.8
10°	551.0	494.7	427.9	400.1	389.7	383.4	378.2	374.7	371.6	368.5	367.8
12.5°	586.8	518.3	441.8	413.3	402.2	394.5	387.2	382.0	378.2	374.4	373.3
15°	626.4	542.6	456.8	426.2	412.3	401.8	393.2	385.2	379.9	374.4	373.7
17.5°	665.3	567.3	469.3	434.9	417.1	404.3	391.8	381.3	374.7	368.5	366.7
20°	711.9	592.0	478.0	437.3	416.1	399.1	384.1	370.9	363.6	356.3	355.3
22.5°	754.7	614.9	482.1	433.8	408.1	387.9	370.6	356.3	348.3	341.0	339.6
25°	796.1	635.1	480.4	425.5	395.9	372.6	354.6	340.3	332.7	325.0	322.9
27.5°	836.0	648.7	473.5	412.6	380.6	355.6	338.2	325.4	318.8	312.2	309.4
30°	875.3	661.2	462.7	395.9	361.2	337.9	323.6	314.6	308.0	301.0	299.0
32.5°	914.9	670.2	446.3	376.5	341.4	322.2	313.6	306.9	300.0	293.0	291.0
35°	954.9	674.0	426.5	354.2	324.7	312.2	309.0	301.4	292.0	283.7	280.9
37.5°	1002.5	677.5	401.8	332.3	310.1	307.3	306.6	295.1	284.0	272.5	269.4
40°	1059.9	682.0	376.5	312.5	298.3	305.6	302.8	287.1	264.9	253.8	250.3
42.5°	1130.1	690.4	350.1	294.4	289.6	299.0	295.8	267.7	252.7	246.5	244.7
45°	1233.4	721.0	323.6	280.2	283.0	289.6	284.7	256.2	250.3	246.1	244.0
47.5°	1417.2	767.9	300.7	269.4	277.7	281.2	262.5	253.1	248.5	243.0	240.6
50°	1608.4	788.4	282.3	262.8	271.8	273.6	250.3	248.9	245.8	239.9	237.4
52.5°	1737.8	785.6	271.1	260.4	267.0	260.4	244.7	244.4	242.3	235.3	232.6
55°	1883.8	790.5	266.3	261.1	264.9	238.1	237.8	238.8	237.8	230.1	228.7
57.5°	2080.9	805.4	263.8	263.5	263.5	227.3	231.2	232.6	230.5	227.0	226.0
60°	2270.3	806.5	259.3	266.3	262.5	220.7	223.5	224.9	222.5	221.8	221.4
62.5°	2341.6	756.4	249.2	264.2	258.3	213.4	215.5	216.2	213.8	215.5	215.2
65°	2235.5	650.1	232.6	254.1	245.4	206.8	205.4	207.2	203.0	207.5	207.9
67.5°	1984.9	516.6	207.2	235.0	227.3	199.5	196.8	196.8	189.8	196.8	196.4
70°	1600.4	365.0	170.0	204.4	207.5	190.8	189.5	181.5	170.3	180.8	179.7
72.5°	1213.2	262.1	133.8	161.6	178.7	178.7	179.0	165.5	152.6	157.5	153.3
75°	768.6	184.6	107.1	123.8	140.1	156.8	164.8	139.7	128.3	126.2	124.1
77.5°	346.2	121.3	83.4	94.9	99.4	123.8	150.5	120.3	104.6	100.1	98.7
80°	145.0	75.4	59.4	67.1	61.2	103.9	132.8	93.5	76.8	70.6	66.0
82.5°	63.6	44.8	37.9	36.2	38.2	77.2	99.1	62.2	48.0	65.0	65.7
85°	26.8	23.6	19.5	17.7	15.6	29.5	46.6	24.3	29.9	17.0	13.9
87.5°	6.3	7.0	5.2	3.5	2.1	0.3	0.0	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)