

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: P629917

Luminaire Tested: GWS-SA1C-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629917  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-750-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

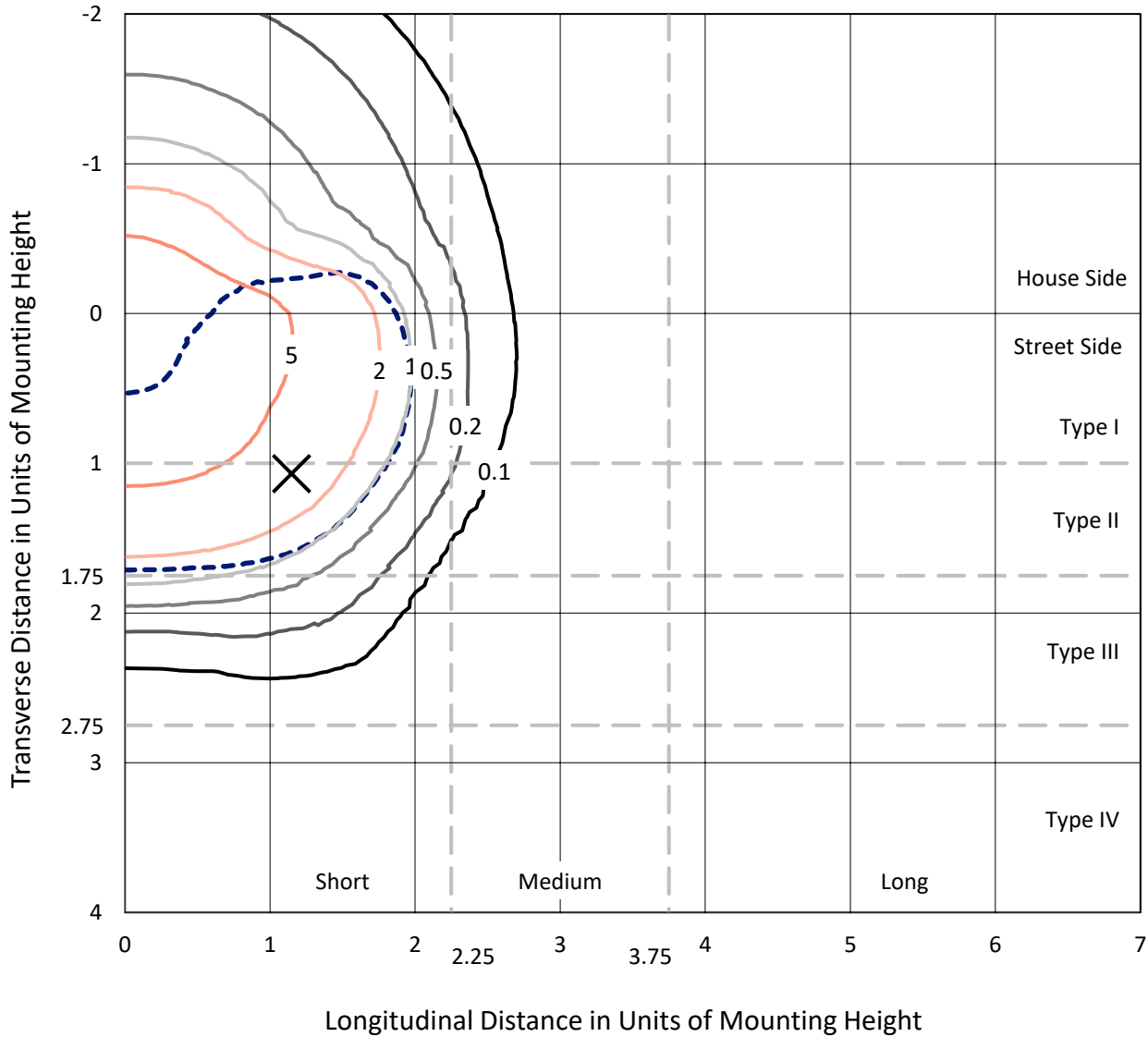
Lumens per Lamp: N/A  
Luminaire Lumens: 4196.4 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P629917  
 CATALOG NUMBER: GWS-SA1C-750-U-T3-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

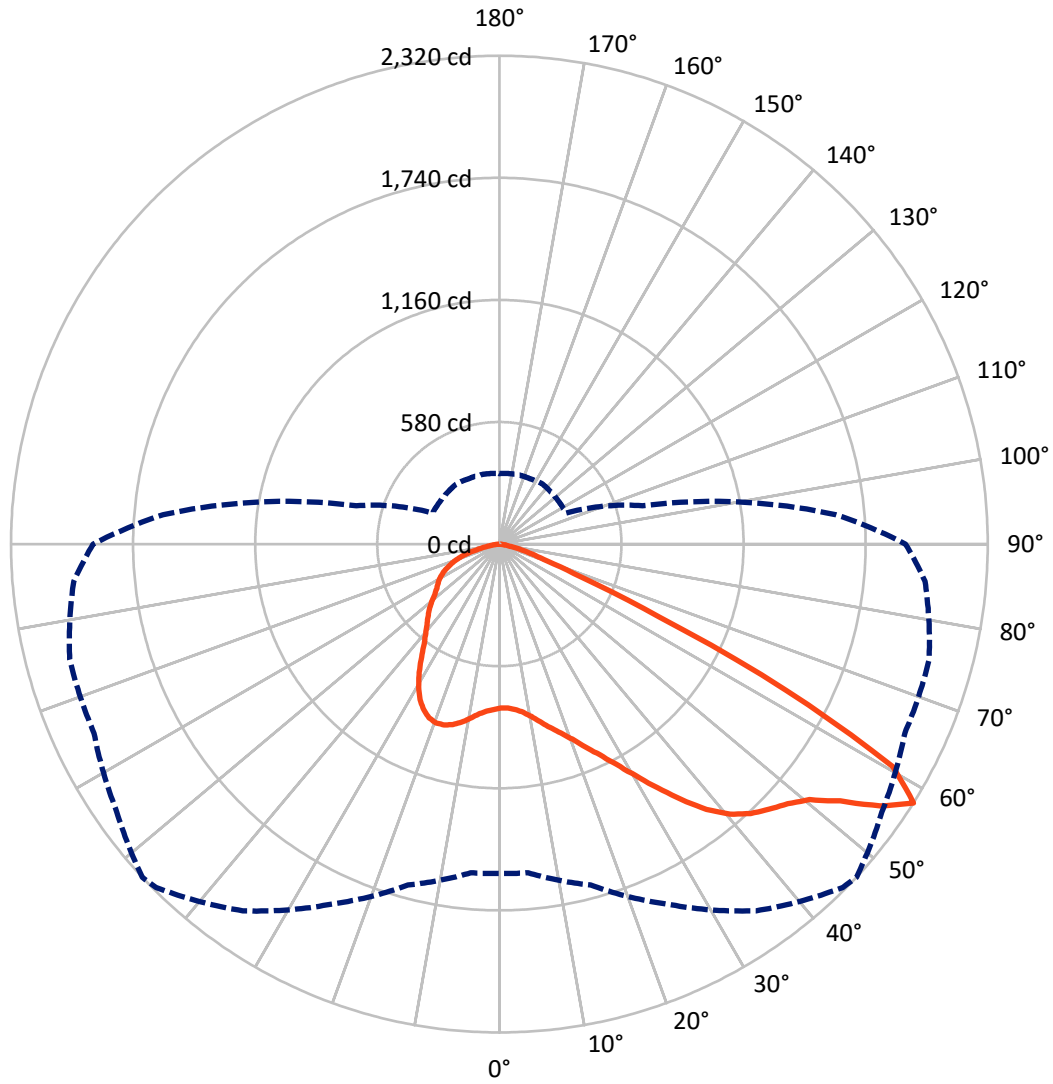
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P629917  
CATALOG NUMBER: GWS-SA1C-750-U-T3-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P629917

CATALOG NUMBER: GWS-SA1C-750-U-T3-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1328.2	0.0	1328.2
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	2868.2	0.0	2868.2
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	4196.4	0.0	4196.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.8	1.8
10°-20°	252.5	6.0
20°-30°	454.6	10.8
30°-40°	686.6	16.4
40°-50°	924.6	22.0
50°-60°	1111.0	26.5
60°-70°	541.1	12.9
70°-80°	133.3	3.2
80°-90°	16.0	0.4
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°	4196.4	100.0
0°-180°	4196.4	100.0

**Coefficient of Utilization**



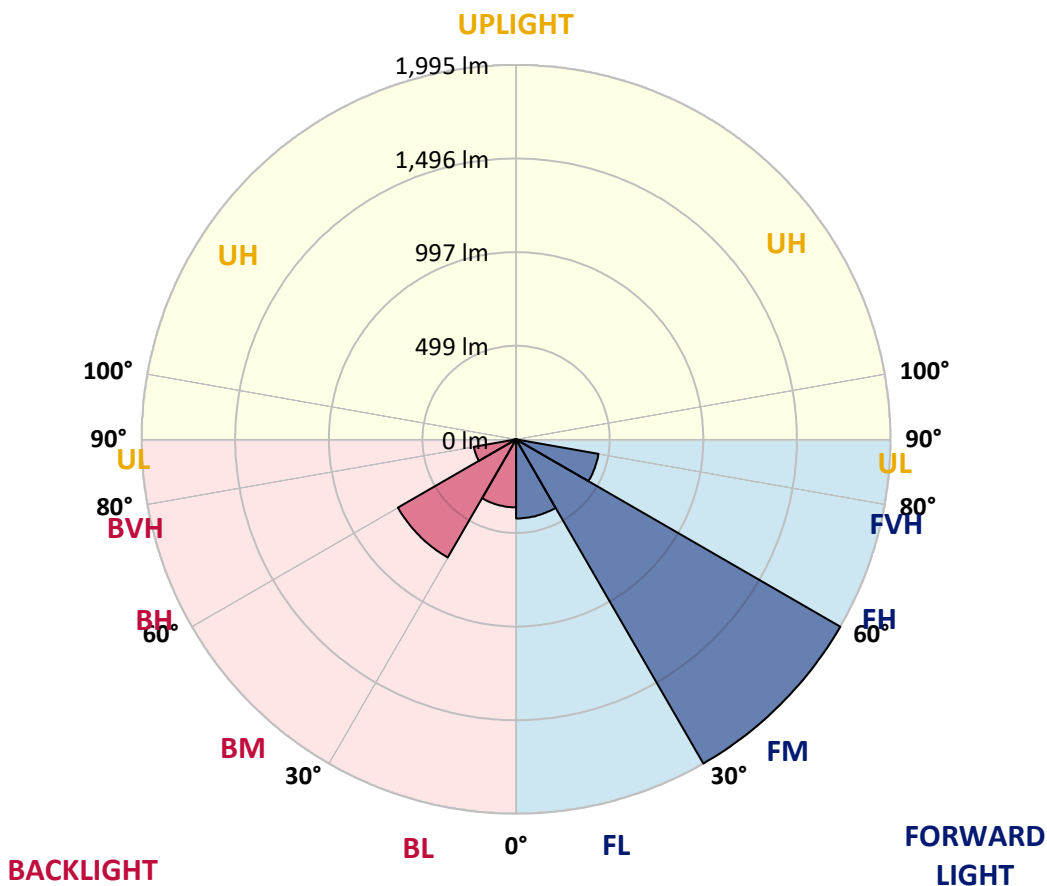
REPORT NUMBER: P629917

CATALOG NUMBER: GWS-SA1C-750-U-T3-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.5	10.0			
FM (30°-60°)	1994.8	47.5			
FH (60°-80°)	445.9	10.6			G0/660
FVH (80°-90°)	6.0	0.1			G0/10
BL (0°-30°)	362.3	8.6	B1/500		
BM (30°-60°)	727.4	17.3	B1/1000		
BH (60°-80°)	228.4	5.4	B1/500		G1/500
BVH (80°-90°)	10.0	0.2			G0/10
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





REPORT NUMBER: P629917  
 CATALOG NUMBER: GWS-SA1C-750-U-T3-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2
2.5°	776.8	776.5	776.5	778.6	778.6	779.3	780.3	781.4	781.8	780.0	776.1
5°	785.3	785.3	785.3	787.0	787.0	787.7	789.2	789.5	789.2	786.3	782.5
7.5°	798.7	798.7	799.0	801.1	802.9	804.0	806.4	806.1	805.0	800.4	795.5
10°	820.5	821.6	822.6	825.1	828.6	831.1	832.9	832.9	831.4	824.4	818.1
12.5°	851.5	852.9	854.0	856.1	858.9	863.2	867.0	867.0	865.3	856.5	847.0
15°	887.8	889.3	888.9	889.6	894.9	900.9	904.1	906.2	906.9	894.5	879.7
17.5°	929.4	930.8	929.4	927.3	928.0	937.5	943.2	950.9	955.5	938.9	915.3
20°	967.1	965.7	965.7	967.1	969.3	980.9	989.4	1002.0	1007.7	987.6	950.9
22.5°	1007.0	1010.1	1008.7	1008.7	1017.2	1036.6	1046.8	1063.4	1069.4	1043.3	993.9
25°	1058.4	1061.3	1060.5	1061.3	1071.1	1098.6	1108.8	1139.5	1145.5	1108.1	1041.5
27.5°	1114.8	1119.4	1121.5	1120.8	1136.7	1172.6	1185.3	1228.0	1238.9	1180.7	1092.3
30°	1188.1	1193.1	1194.8	1194.1	1212.8	1261.8	1276.3	1324.9	1340.4	1266.7	1156.8
32.5°	1273.1	1278.0	1283.3	1285.4	1309.4	1359.4	1380.2	1430.6	1452.8	1366.1	1234.7
35°	1357.3	1361.5	1371.8	1388.3	1421.1	1472.2	1490.5	1540.2	1561.7	1469.4	1328.8
37.5°	1450.4	1453.2	1462.0	1484.9	1532.1	1580.8	1599.1	1646.7	1649.2	1569.1	1435.2
40°	1552.2	1552.2	1550.5	1573.0	1622.4	1671.4	1687.2	1714.7	1700.3	1646.0	1538.8
42.5°	1638.6	1637.2	1638.6	1659.7	1696.4	1736.2	1750.0	1744.7	1726.3	1704.8	1632.6
45°	1716.5	1717.5	1730.2	1746.4	1765.5	1789.1	1797.2	1767.2	1750.7	1752.1	1707.7
47.5°	1769.3	1770.4	1800.0	1827.1	1838.8	1846.2	1842.7	1801.1	1792.6	1808.5	1765.5
50°	1776.4	1782.0	1833.1	1888.8	1917.7	1918.8	1908.9	1858.2	1855.7	1873.7	1796.5
52.5°	1777.8	1783.4	1847.2	1947.7	2022.8	2038.6	2027.3	1974.5	1948.7	1930.8	1834.5
55°	1772.5	1778.9	1849.3	1987.2	2131.0	2194.4	2195.5	2120.7	2038.6	2026.6	1943.1
57.5°	1564.9	1567.4	1676.6	1886.7	2126.7	2306.5	2320.2	2218.7	2125.0	2113.7	2030.2
60°	1090.2	1100.0	1218.8	1496.2	1786.6	2103.5	2147.9	2118.3	2055.5	1973.4	1741.9
62.5°	546.0	554.4	673.5	935.8	1232.2	1482.4	1530.0	1561.4	1576.2	1488.1	1186.0
65°	235.1	241.4	315.5	488.9	697.5	818.4	835.0	872.7	965.0	861.1	639.0
67.5°	157.2	161.4	199.1	298.2	411.0	418.7	416.3	424.4	444.5	366.9	288.7
70°	120.5	124.1	149.4	218.5	295.4	252.7	239.3	217.1	235.8	240.4	234.0
72.5°	87.4	90.2	109.3	149.1	185.0	161.4	159.3	170.6	196.0	203.0	199.1
75°	56.4	57.8	69.4	81.8	95.5	103.6	107.9	128.3	154.0	159.3	154.7
77.5°	37.7	38.8	45.5	52.5	54.3	54.6	56.0	65.2	82.8	92.7	91.6
80°	19.7	19.7	22.2	22.2	25.4	30.3	31.7	37.7	45.8	50.8	51.1
82.5°	7.8	8.1	9.5	10.6	12.7	15.5	16.6	19.7	24.0	27.5	30.7
85°	3.2	3.5	3.9	4.6	5.6	7.0	7.4	8.5	11.3	14.1	15.9
87.5°	0.0	0.0	0.4	0.4	0.7	1.1	1.1	1.4	1.8	3.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629917  
 CATALOG NUMBER: GWS-SA1C-750-U-T3-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2
2.5°	780.7	776.1	780.7	782.1	786.0	787.4	784.9	784.6	784.6	781.0	780.0
5°	786.0	781.8	786.3	788.4	794.1	797.6	798.3	801.1	802.9	801.5	801.1
7.5°	799.0	793.7	798.7	801.8	809.2	814.9	817.4	823.7	828.3	827.6	827.2
10°	821.9	814.9	820.5	825.8	833.9	840.6	841.0	844.5	849.1	847.7	847.0
12.5°	848.4	841.7	848.0	853.3	862.8	865.6	861.1	859.6	860.4	858.6	857.2
15°	880.8	871.3	876.9	882.9	888.2	885.0	875.2	871.3	870.9	868.5	867.0
17.5°	913.2	901.2	905.5	908.6	906.2	896.3	884.0	877.3	874.1	869.2	867.8
20°	945.3	930.1	929.4	927.0	915.7	897.7	881.1	867.8	859.6	852.9	850.5
22.5°	981.9	960.8	950.2	938.9	914.3	885.0	860.0	841.0	827.9	819.5	816.6
25°	1021.4	991.5	969.6	947.1	900.2	857.9	823.0	796.9	781.4	772.2	769.1
27.5°	1060.5	1019.3	986.5	948.1	872.0	818.8	771.9	736.6	721.1	713.7	711.3
30°	1113.4	1056.3	1006.6	934.4	835.0	764.5	706.0	670.4	660.2	654.9	652.8
32.5°	1174.4	1103.2	1033.4	905.5	787.7	701.0	639.4	614.7	607.6	597.4	597.1
35°	1254.8	1170.2	1058.8	862.8	728.2	633.0	588.3	570.6	557.9	541.7	540.3
37.5°	1348.5	1253.7	1072.5	808.5	658.7	577.0	550.2	530.5	510.0	488.5	485.7
40°	1445.4	1351.3	1073.6	744.4	590.7	540.0	517.4	491.7	466.3	442.3	439.2
42.5°	1547.3	1442.3	1054.9	670.4	535.0	507.9	485.0	452.6	424.0	407.8	406.0
45°	1638.2	1515.6	1012.6	592.5	493.8	481.1	451.9	417.0	401.8	390.2	387.7
47.5°	1709.8	1564.2	955.5	522.7	460.3	453.6	415.5	397.6	385.9	375.4	372.9
50°	1745.0	1575.1	881.1	466.0	429.3	421.2	395.1	381.4	373.6	365.1	363.0
52.5°	1788.7	1587.5	817.0	418.4	399.0	388.1	378.2	367.3	361.6	356.3	354.6
55°	1889.2	1634.0	783.2	380.3	370.1	365.1	363.7	354.6	352.8	349.3	346.1
57.5°	1930.1	1604.0	703.2	349.3	347.2	347.9	351.4	342.9	341.2	337.0	334.8
60°	1552.2	1212.5	476.2	322.5	328.1	332.7	336.2	327.8	325.3	324.6	321.8
62.5°	994.6	745.8	332.4	297.5	305.9	311.6	313.7	305.6	303.8	309.5	309.8
65°	517.8	406.4	269.6	270.7	277.7	286.2	290.4	287.6	286.9	292.9	293.2
67.5°	264.3	248.5	235.1	239.0	244.6	255.5	265.4	277.7	282.0	282.7	283.0
70°	225.2	218.2	211.5	213.9	219.9	225.9	235.4	241.4	234.4	232.6	231.9
72.5°	191.7	186.5	183.3	186.1	189.3	188.2	185.4	188.2	189.3	189.6	190.0
75°	149.1	145.2	142.7	143.1	143.1	139.2	133.9	130.8	127.2	124.4	124.4
77.5°	91.3	92.0	94.5	94.1	93.8	92.3	87.1	84.2	75.8	73.3	73.3
80°	52.2	53.2	55.7	56.4	56.4	54.6	49.3	46.2	42.3	40.5	40.2
82.5°	31.7	33.1	34.5	35.2	35.6	33.5	28.9	26.4	24.3	22.6	22.6
85°	16.6	17.3	18.7	19.0	18.0	15.9	13.4	12.3	10.2	9.9	9.9
87.5°	4.6	4.9	5.6	4.6	4.2	3.2	1.8	1.4	0.7	0.4	0.4
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)