

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: P630473

Luminaire Tested: GWS-SA1D-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630473
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-SA1D-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: 6219.2 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

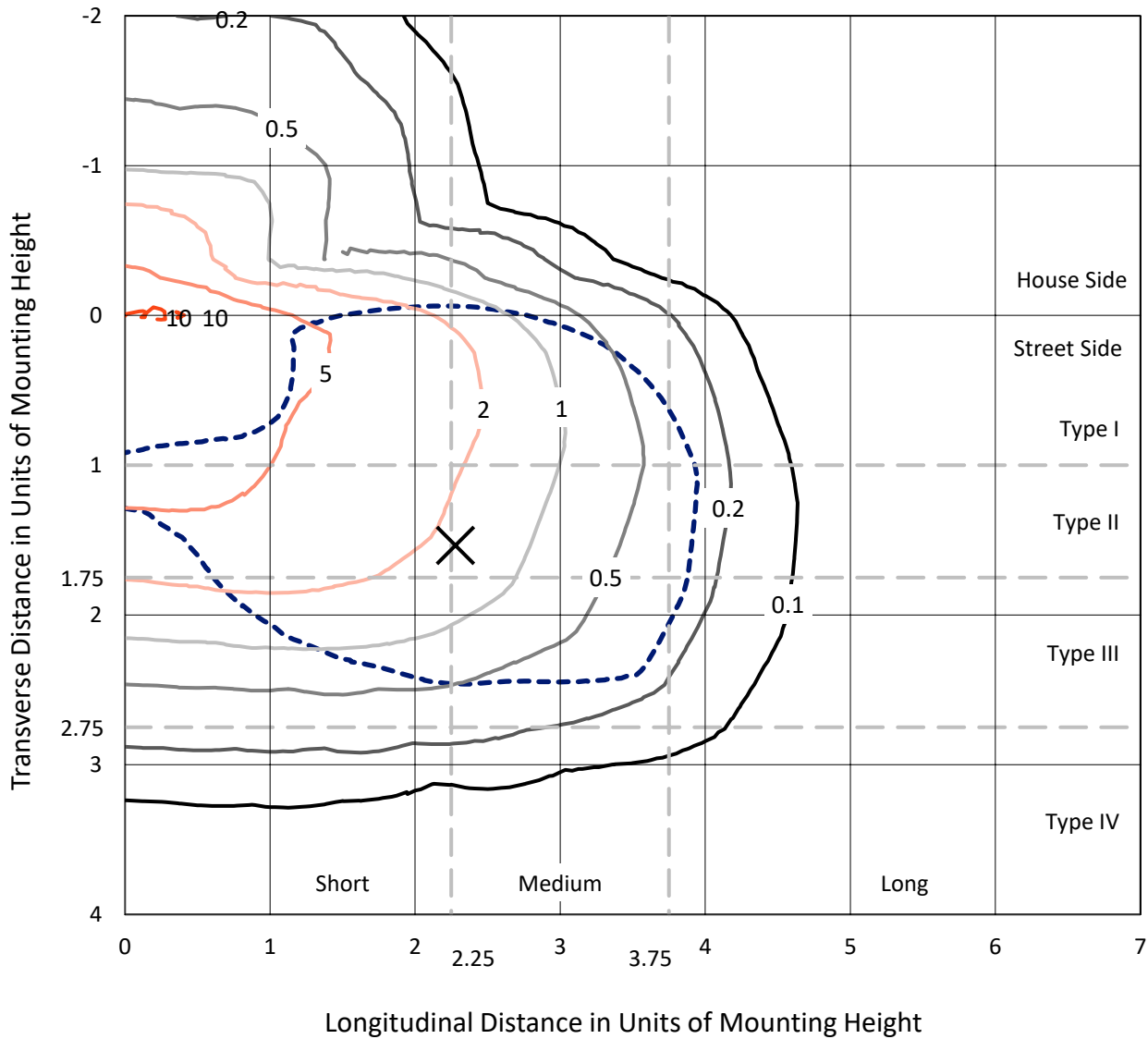
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630473
 CATALOG NUMBER: GWS-SA1D-760-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

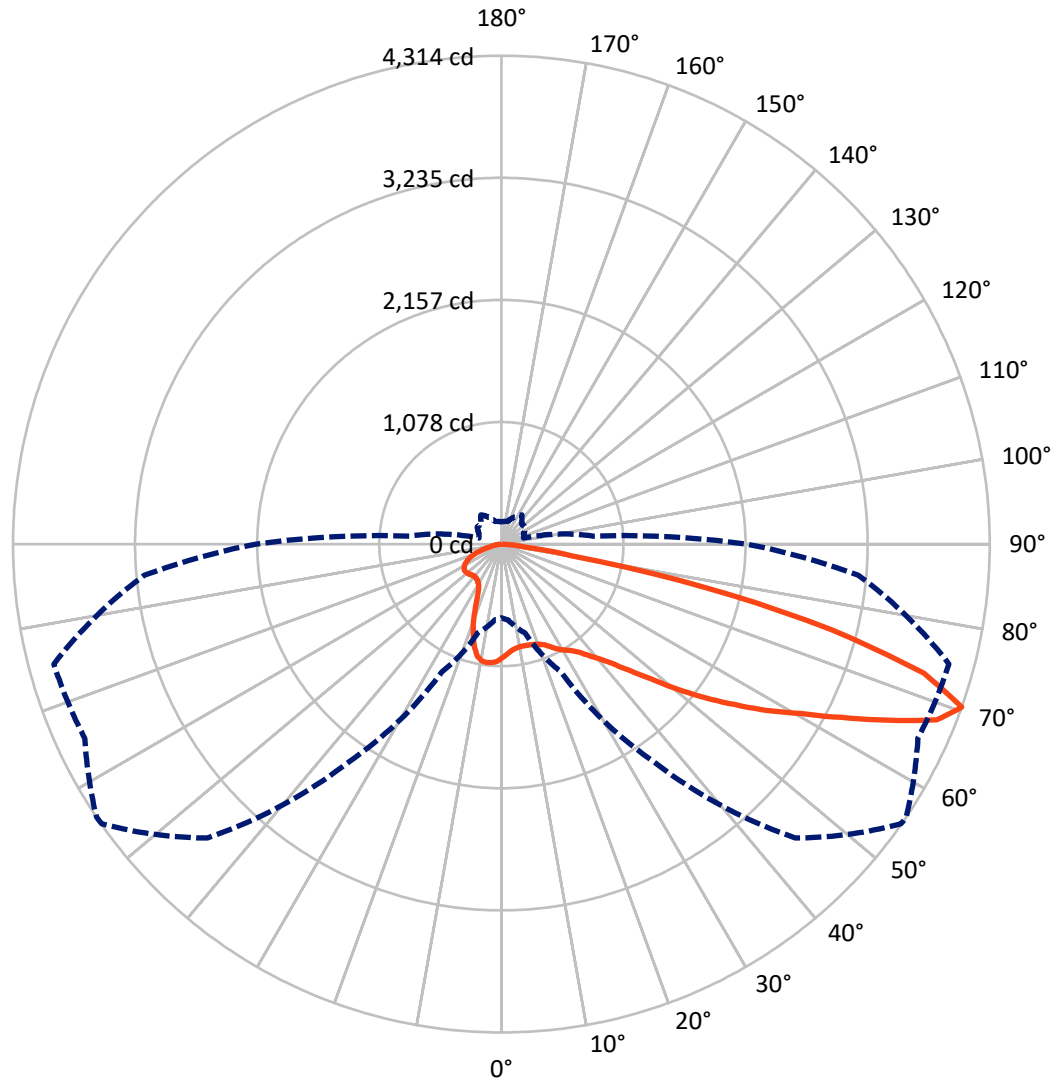
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P630473
CATALOG NUMBER: GWS-SA1D-760-U-T3R-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630473

CATALOG NUMBER: GWS-SA1D-760-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1195.7	0.0	1195.7
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	5023.6	0.0	5023.6
	% Fixture	80.8	0.0	80.8
Total	Lumens	6219.2	0.0	6219.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.9	1.5
10°-20°	251.7	4.0
20°-30°	416.1	6.7
30°-40°	622.2	10.0
40°-50°	925.9	14.9
50°-60°	1316.4	21.2
60°-70°	1630.4	26.2
70°-80°	900.2	14.5
80°-90°	63.4	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°	6219.2	100.0
0°-180°	6219.2	100.0

Coefficient of Utilization



REPORT NUMBER: P630473

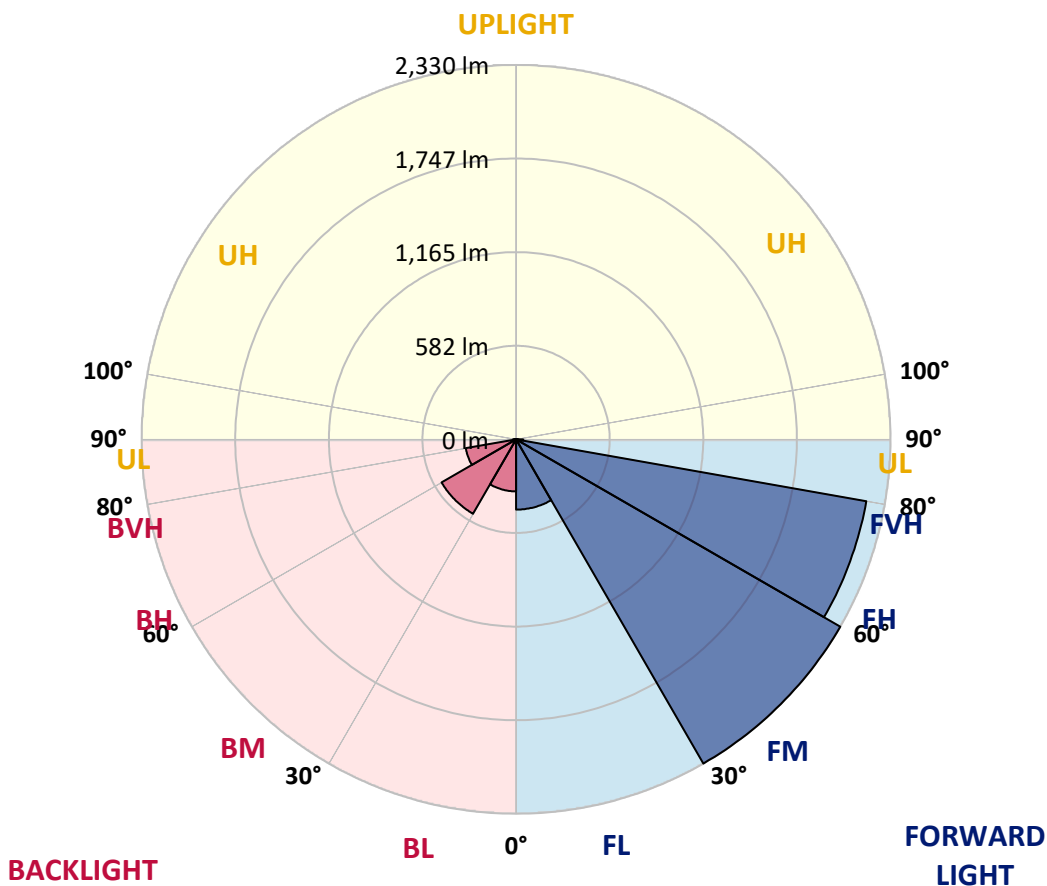
CATALOG NUMBER: GWS-SA1D-760-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	437.1	7.0			
FM (30°-60°)	2329.6	37.5			
FH (60°-80°)	2212.8	35.6			G2/5000
FVH (80°-90°)	44.1	0.7			G1/100
BL (0°-30°)	323.7	5.2	B1/500		
BM (30°-60°)	534.8	8.6	B1/1000		
BH (60°-80°)	317.8	5.1	B1/500		G1/500
BVH (80°-90°)	19.3	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-G2

Type III Medium





REPORT NUMBER: P630473
 CATALOG NUMBER: GWS-SA1D-760-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1003.9	1003.9	1003.9	1003.9	1003.9	1003.9	1003.9	1003.9	1003.9	1003.9	1003.9
2.5°	939.4	934.1	940.3	943.4	951.2	962.6	972.7	973.2	978.4	991.2	1003.4
5°	896.9	894.2	896.0	905.2	913.5	928.0	943.4	944.7	959.6	984.6	1009.1
7.5°	864.0	860.5	867.0	878.9	889.4	905.6	925.8	927.6	948.6	986.3	1024.0
10°	816.6	814.0	826.3	842.0	864.8	891.6	918.4	920.5	948.2	997.7	1050.4
12.5°	796.0	796.0	801.3	816.2	841.2	876.7	917.0	920.5	955.2	1015.3	1084.1
15°	828.0	830.2	825.8	824.9	835.0	868.8	918.8	924.1	968.4	1033.3	1117.5
17.5°	892.5	894.7	883.3	865.3	855.2	876.3	925.4	931.1	982.4	1053.0	1153.4
20°	982.8	985.5	960.5	932.8	898.2	897.7	938.1	943.4	1000.4	1074.5	1191.6
22.5°	1088.5	1090.3	1058.7	1014.8	961.8	937.7	960.0	965.3	1023.6	1104.3	1232.8
25°	1210.9	1216.1	1178.0	1114.4	1042.5	992.5	996.4	1002.6	1065.3	1144.2	1281.5
27.5°	1341.6	1348.1	1304.3	1234.1	1135.0	1053.0	1043.3	1048.6	1109.6	1168.8	1307.4
30°	1475.3	1480.2	1436.3	1356.0	1234.6	1121.4	1082.8	1085.9	1128.9	1180.6	1333.7
32.5°	1624.0	1620.1	1578.0	1485.4	1349.5	1203.4	1119.7	1118.8	1150.4	1204.3	1371.4
35°	1763.5	1769.2	1724.4	1622.3	1475.8	1304.7	1174.9	1171.4	1196.0	1242.9	1424.5
37.5°	1932.3	1930.6	1877.1	1766.5	1602.5	1401.7	1252.5	1246.4	1255.2	1303.0	1498.6
40°	2052.9	2065.2	2030.6	1927.5	1750.8	1520.9	1343.3	1329.7	1331.9	1377.1	1597.7
42.5°	2151.6	2163.0	2166.5	2100.7	1920.5	1668.3	1456.5	1442.9	1444.2	1508.2	1719.6
45°	2227.5	2242.8	2292.4	2273.1	2111.7	1838.5	1609.5	1595.5	1596.4	1667.4	1867.0
47.5°	2258.6	2275.3	2375.7	2421.8	2314.7	2042.0	1799.9	1779.3	1782.3	1860.8	2035.4
50°	2248.5	2270.9	2406.8	2536.2	2484.9	2249.0	2027.5	2013.0	2001.2	2115.2	2218.3
52.5°	2161.7	2186.2	2403.8	2609.0	2623.9	2444.6	2262.6	2254.2	2251.6	2385.4	2422.6
55°	1906.0	1947.2	2298.1	2628.3	2732.7	2628.8	2517.4	2503.3	2516.9	2674.8	2629.2
57.5°	1764.3	1795.0	2091.1	2606.8	2821.7	2804.2	2771.7	2773.0	2788.4	2989.3	2879.6
60°	1683.6	1719.6	1976.2	2548.1	2907.2	3017.3	3037.9	3037.9	3065.6	3328.3	3134.0
62.5°	1576.6	1613.0	1868.7	2434.9	2986.2	3268.2	3372.6	3371.2	3382.2	3691.8	3382.6
65°	1359.6	1393.3	1653.0	2256.4	3024.8	3544.5	3752.8	3748.9	3726.9	4015.5	3547.1
67.5°	987.2	1019.2	1266.1	1917.0	2885.8	3767.3	4144.4	4146.2	4015.1	4219.4	3555.9
70°	650.8	672.8	814.0	1245.1	2346.8	3671.2	4308.5	4313.7	4059.4	4092.2	3164.7
72.5°	406.1	421.5	508.3	742.5	1386.7	2905.9	3887.4	3901.9	3651.9	3596.2	2600.2
75°	269.7	280.2	338.1	432.9	641.6	1572.7	2955.0	3001.5	2927.0	2819.1	1811.7
77.5°	162.3	171.0	215.3	275.0	284.2	614.4	1724.9	1845.0	1855.6	1471.8	758.7
80°	74.1	84.2	118.9	157.0	151.3	214.0	608.3	636.4	750.8	467.5	239.5
82.5°	43.9	48.2	78.9	78.1	64.5	103.9	218.8	224.5	190.8	171.0	102.2
85°	17.5	20.6	33.3	29.4	23.7	33.8	82.5	86.4	82.9	74.6	37.7
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	7.5	7.9	11.4	20.6	11.4
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: P630473
 CATALOG NUMBER: GWS-SA1D-760-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1003.9	1003.9	1003.9	1003.9	1003.9	1003.9	1003.9	1003.9	1003.9	1003.9	1003.9
2.5°	1011.3	1008.7	1021.9	1031.9	1036.3	1040.7	1036.8	1035.5	1035.5	1026.7	1022.3
5°	1022.3	1023.6	1041.6	1049.9	1049.9	1046.4	1035.9	1028.4	1025.8	1014.4	1011.3
7.5°	1042.9	1048.6	1065.3	1064.8	1052.6	1033.3	1006.9	986.8	968.4	960.5	955.6
10°	1076.7	1084.1	1095.5	1077.1	1042.9	992.0	936.3	892.5	866.2	845.1	845.1
12.5°	1115.3	1122.3	1120.1	1077.6	1006.9	911.8	831.5	781.1	744.2	724.9	724.9
15°	1153.9	1159.6	1135.9	1057.4	931.9	805.2	717.5	657.0	625.0	607.0	607.0
17.5°	1192.9	1192.5	1142.5	1010.9	834.2	687.2	601.3	554.3	543.4	540.3	539.9
20°	1230.6	1220.5	1134.1	933.3	720.6	568.4	514.0	517.1	533.3	540.3	541.2
22.5°	1273.2	1248.2	1109.6	834.2	591.6	485.9	489.4	514.9	538.6	549.1	550.4
25°	1316.6	1271.8	1068.3	717.9	483.7	455.7	482.9	511.4	538.1	551.7	553.0
27.5°	1334.1	1271.8	998.2	583.3	426.3	443.0	472.8	500.4	528.5	544.3	547.3
30°	1348.6	1260.9	899.9	461.8	402.6	430.7	456.5	482.0	509.6	528.9	532.4
32.5°	1368.8	1251.2	781.1	388.1	391.6	418.8	436.8	458.3	483.3	496.0	494.7
35°	1392.4	1236.3	637.7	353.0	382.4	408.7	421.5	434.2	422.8	422.3	423.7
37.5°	1426.2	1223.2	512.7	337.3	376.3	401.7	412.3	385.1	369.3	362.7	360.1
40°	1474.9	1217.9	404.4	328.0	375.4	401.3	393.8	351.7	330.2	307.4	307.0
42.5°	1536.3	1213.9	334.2	323.7	378.5	411.4	368.4	329.8	285.5	275.4	274.5
45°	1615.2	1207.8	299.1	322.8	385.9	419.3	365.8	299.5	269.3	264.9	264.9
47.5°	1710.4	1198.2	283.3	322.8	394.3	415.8	357.9	293.0	261.8	266.6	269.7
50°	1819.6	1185.9	275.0	321.9	402.6	415.8	341.2	291.6	260.1	285.1	295.2
52.5°	1936.3	1171.8	269.3	318.4	408.3	416.2	342.1	296.0	261.8	289.5	297.8
55°	2065.2	1169.7	261.4	310.9	410.1	404.8	344.3	305.7	264.5	262.3	262.7
57.5°	2227.9	1196.0	255.7	300.0	403.0	381.6	348.7	312.7	261.4	261.8	264.9
60°	2398.1	1245.5	260.5	289.5	388.6	359.6	351.7	309.2	246.5	239.5	240.3
62.5°	2542.8	1283.2	264.5	284.6	367.5	340.3	348.7	301.3	238.1	236.4	240.3
65°	2603.3	1252.1	254.8	274.5	336.8	316.6	342.1	291.2	231.1	224.5	225.0
67.5°	2536.2	1106.1	235.9	252.2	302.2	286.4	331.6	278.1	221.5	213.6	211.8
70°	2166.5	812.7	203.5	216.7	260.1	250.9	315.3	260.9	206.1	200.4	196.5
72.5°	1745.9	575.4	168.8	172.4	203.9	211.4	287.3	239.5	188.6	172.4	166.7
75°	1215.3	361.4	140.8	137.3	147.4	161.4	224.1	198.7	162.7	145.6	140.3
77.5°	522.8	185.5	110.1	108.3	98.2	111.8	171.9	165.8	136.4	116.7	113.6
80°	175.0	107.4	79.4	76.3	65.3	78.5	121.0	132.4	107.0	86.4	81.1
82.5°	87.7	62.3	50.4	45.6	43.9	49.6	71.5	82.5	74.1	59.6	50.4
85°	43.0	35.5	27.6	27.2	22.8	21.5	29.8	35.1	33.3	24.6	23.2
87.5°	15.8	14.0	8.8	7.0	4.4	3.1	1.8	1.8	1.3	1.3	1.3
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)