

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: P631101

Luminaire Tested: GWS-SA1F-722-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4919.4 lumens
Efficiency: N/A
Efficacy: 73.2 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

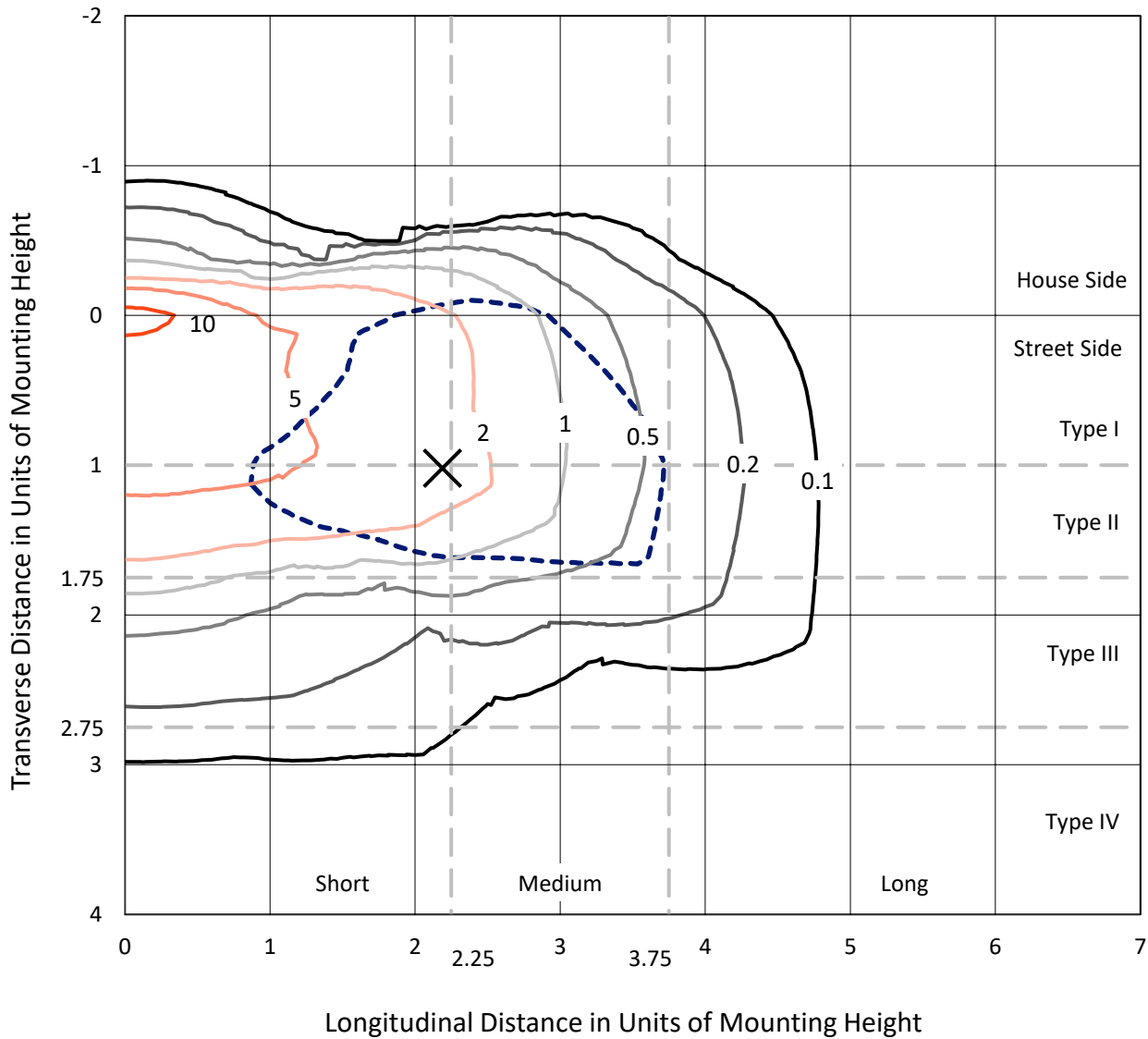
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631101
 CATALOG NUMBER: GWS-SA1F-722-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

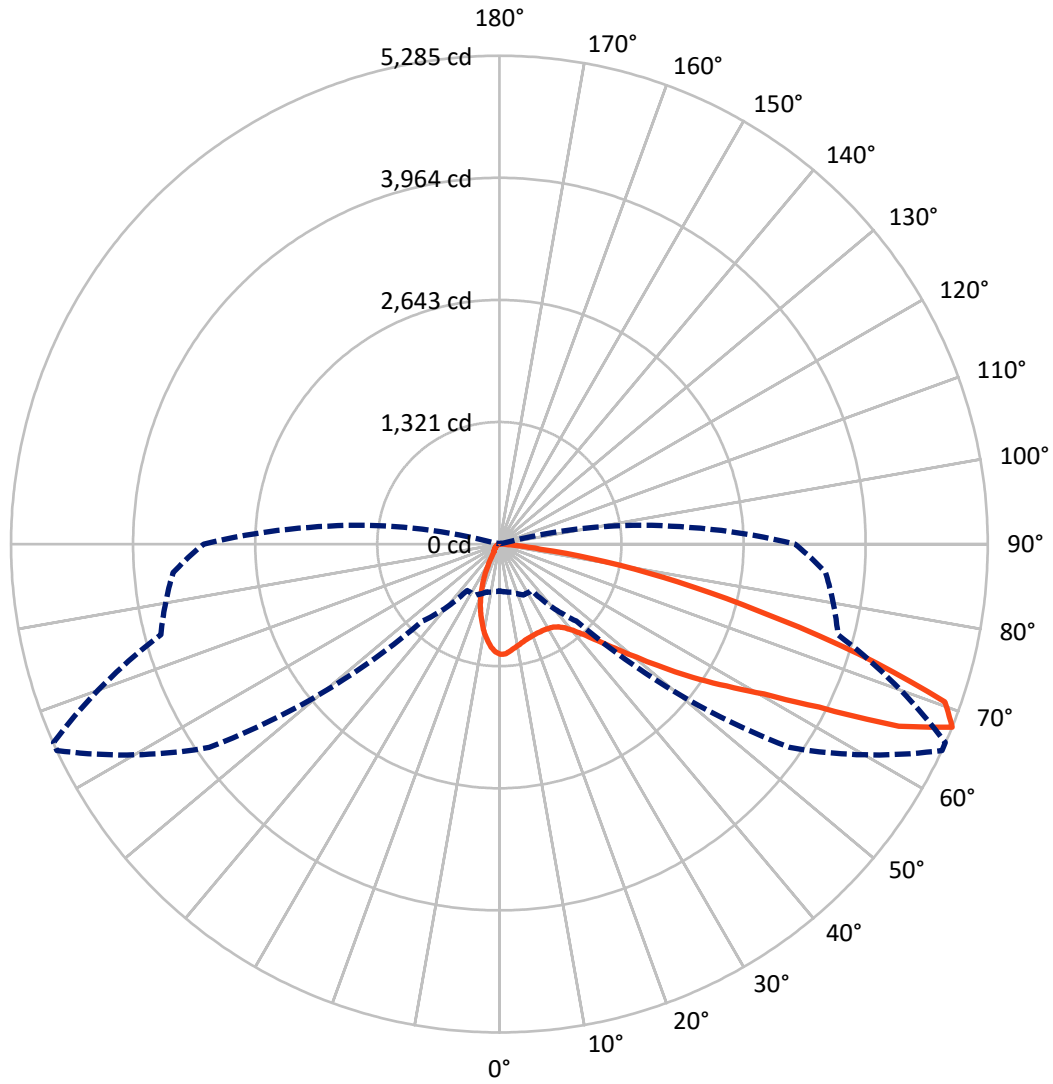
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
 Type II - Short - N/A

REPORT NUMBER: P631101
CATALOG NUMBER: GWS-SA1F-722-U-SL2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P631101
 CATALOG NUMBER: GWS-SA1F-722-U-SL2-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	614.3	0.0	614.3
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	4305.1	0.0	4305.1
	% Fixture	87.5	0.0	87.5
Total	Lumens	4919.4	0.0	4919.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.1	2.0
10°-20°	222.8	4.5
20°-30°	318.3	6.5
30°-40°	463.1	9.4
40°-50°	725.3	14.7
50°-60°	1131.5	23.0
60°-70°	1242.9	25.3
70°-80°	661.4	13.4
80°-90°	55.1	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°	4919.4	100.0
0°-180°	4919.4	100.0

Coefficient of Utilization



REPORT NUMBER: P631101

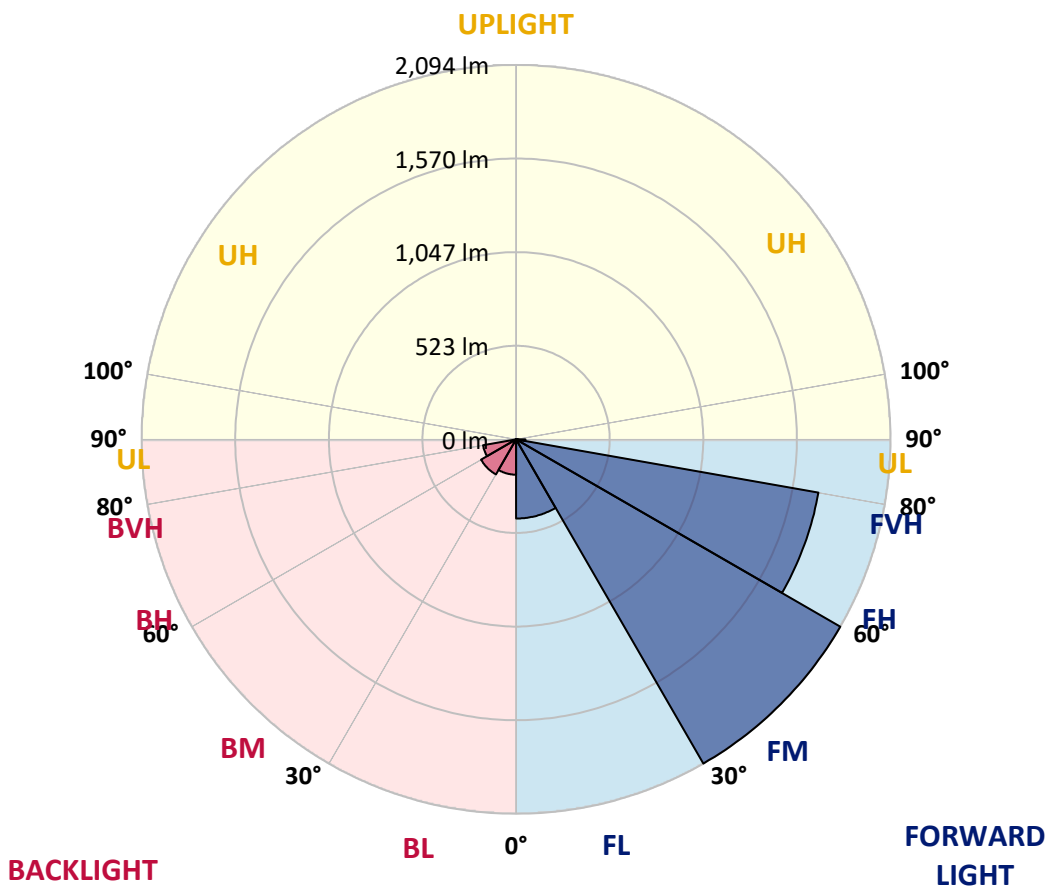
CATALOG NUMBER: GWS-SA1F-722-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	442.7	9.0			
FM (30°-60°)	2093.6	42.6			
FH (60°-80°)	1716.7	34.9			G1/1800
FVH (80°-90°)	52.1	1.1			G1/100
BL (0°-30°)	197.4	4.0	B1/500		
BM (30°-60°)	226.3	4.6	B1/1000		
BH (60°-80°)	187.6	3.8	B1/500		G1/500
BVH (80°-90°)	2.9	0.1			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: P631101

CATALOG NUMBER: GWS-SA1F-722-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1
2.5°	1151.7	1155.3	1150.4	1162.4	1164.6	1178.0	1185.5	1190.9	1190.4	1197.1	1197.1
5°	1084.1	1087.7	1085.0	1097.9	1108.1	1129.0	1146.4	1166.4	1167.3	1187.8	1195.3
7.5°	1026.7	1027.2	1027.2	1043.2	1056.5	1082.3	1108.1	1138.8	1142.4	1174.0	1194.0
10°	979.6	980.9	981.4	999.6	1014.3	1045.4	1078.3	1115.3	1119.3	1162.0	1193.1
12.5°	947.1	947.5	949.3	968.5	984.5	1016.9	1050.3	1092.6	1097.9	1148.2	1189.1
15°	931.5	930.6	931.5	947.5	963.6	994.7	1029.0	1074.3	1080.1	1136.6	1189.6
17.5°	930.6	929.3	928.4	940.4	950.7	978.2	1012.9	1062.3	1068.5	1131.3	1194.4
20°	943.5	942.7	938.2	943.5	945.8	968.5	1002.7	1053.0	1059.2	1130.4	1205.1
22.5°	977.4	975.1	968.5	963.6	951.6	964.9	995.6	1046.3	1053.4	1132.6	1218.9
25°	1027.6	1026.7	1018.3	1006.3	975.6	970.2	996.0	1046.3	1053.0	1135.3	1233.6
27.5°	1103.2	1097.9	1087.2	1066.3	1022.3	991.1	1004.9	1049.0	1055.6	1138.8	1245.6
30°	1180.2	1179.8	1176.2	1154.9	1089.5	1031.2	1023.6	1056.1	1062.3	1142.0	1256.7
32.5°	1259.8	1261.2	1270.1	1253.6	1182.0	1090.8	1057.4	1070.8	1075.2	1148.2	1266.5
35°	1335.5	1338.1	1361.7	1367.5	1294.5	1181.1	1112.6	1100.1	1100.6	1162.0	1279.4
37.5°	1408.0	1416.9	1454.7	1482.7	1434.7	1290.5	1192.2	1150.0	1146.4	1189.6	1299.0
40°	1490.3	1507.2	1554.8	1602.4	1587.3	1435.1	1300.8	1226.5	1218.9	1240.3	1334.1
42.5°	1581.5	1599.7	1662.9	1729.6	1736.7	1609.9	1436.4	1338.1	1325.2	1325.7	1400.0
45°	1679.3	1703.8	1777.2	1873.3	1916.4	1804.8	1603.7	1488.9	1476.0	1456.9	1505.8
47.5°	1807.9	1829.3	1900.0	2010.8	2093.5	2013.9	1823.0	1682.9	1659.3	1631.3	1670.4
50°	1918.7	1937.4	1998.3	2137.1	2309.3	2283.5	2071.7	1925.3	1902.7	1855.1	1887.5
52.5°	1943.1	1957.8	2013.9	2170.0	2474.3	2623.8	2376.4	2218.5	2202.5	2114.4	2126.9
55°	1833.3	1855.5	1905.8	2079.3	2517.5	2956.5	2771.9	2549.0	2515.7	2375.1	2397.3
57.5°	1555.7	1595.3	1642.4	1868.0	2400.5	3133.6	3324.4	2899.1	2868.9	2626.0	2626.4
60°	1140.2	1172.2	1203.8	1410.2	2122.9	3121.6	3825.8	3292.4	3237.2	2831.1	2823.5
62.5°	829.2	845.7	845.2	918.6	1457.8	2916.0	4089.1	3884.9	3756.4	3050.4	3007.2
65°	652.2	651.7	670.8	694.9	814.1	2251.0	4121.6	4750.2	4611.4	3344.4	3254.6
67.5°	507.6	517.4	536.5	607.2	611.7	1178.0	3836.0	5285.4	5282.7	3793.3	3544.2
70°	391.5	404.8	432.0	535.2	565.0	659.3	2870.2	5115.9	5159.0	3993.9	3339.1
72.5°	251.3	250.5	290.5	432.4	542.7	549.4	1587.3	4063.8	4112.7	3617.6	2699.8
75°	140.6	141.5	164.2	264.7	505.8	516.9	786.1	2897.8	2936.5	2820.4	2074.4
77.5°	55.2	56.9	77.0	139.2	333.6	461.8	467.1	1976.1	1981.8	1747.8	1272.3
80°	22.2	23.6	39.1	86.3	203.3	311.0	333.6	1164.2	1140.6	676.6	370.1
82.5°	6.7	7.1	15.6	48.9	106.3	221.1	225.1	446.6	421.7	145.5	94.3
85°	0.4	0.4	3.6	15.1	37.8	55.6	149.9	145.5	129.0	36.5	41.8
87.5°	0.0	0.0	0.4	0.4	0.9	1.8	16.0	26.7	27.1	6.7	18.7
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: P631101

CATALOG NUMBER: GWS-SA1F-722-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1
2.5°	1197.1	1181.1	1179.8	1167.3	1154.9	1139.3	1121.0	1107.7	1098.4	1081.9	1078.8
5°	1195.3	1174.0	1154.0	1118.4	1078.8	1036.1	998.7	964.0	942.2	927.5	921.3
7.5°	1191.8	1164.6	1118.4	1051.2	984.9	910.2	851.9	798.5	762.0	740.7	731.3
10°	1189.1	1152.6	1077.4	975.6	872.8	769.6	681.1	601.9	557.9	523.2	517.4
12.5°	1183.8	1135.3	1025.0	887.0	754.5	617.5	504.5	407.5	340.3	310.1	299.4
15°	1178.4	1117.0	972.5	793.6	625.5	456.4	319.4	226.0	179.7	165.5	164.6
17.5°	1177.5	1100.6	915.5	705.1	490.2	298.9	181.9	146.4	136.6	133.0	133.0
20°	1180.2	1086.8	859.5	603.2	357.2	181.9	135.7	126.8	121.0	117.9	117.9
22.5°	1182.9	1072.6	805.6	500.5	237.1	133.0	119.7	112.1	105.4	101.9	100.1
25°	1184.7	1057.0	746.0	397.3	154.8	115.7	105.0	95.2	87.2	82.7	82.7
27.5°	1184.2	1038.3	686.0	296.3	120.1	102.8	89.9	79.6	71.6	66.7	67.2
30°	1180.7	1017.8	623.7	206.9	105.0	89.9	77.0	66.3	58.3	54.3	53.8
32.5°	1178.0	996.0	551.6	145.5	94.3	78.7	65.4	55.2	48.5	45.4	44.9
35°	1174.9	974.7	483.1	110.8	85.0	68.1	55.2	46.7	41.4	38.7	38.7
37.5°	1175.8	952.4	408.8	95.2	75.6	59.2	47.2	40.0	35.6	32.9	32.5
40°	1189.6	939.1	335.9	86.3	67.2	51.2	40.9	34.7	30.3	27.6	27.1
42.5°	1223.8	939.5	266.0	79.6	59.6	43.6	35.6	29.8	25.8	22.7	22.2
45°	1292.3	958.2	204.2	72.5	51.6	37.8	30.7	25.4	21.4	18.7	18.2
47.5°	1404.4	1013.8	154.8	66.3	44.9	32.9	26.2	21.4	17.8	15.6	15.1
50°	1582.8	1114.4	121.9	58.7	37.8	28.5	22.2	17.8	14.7	12.5	12.0
52.5°	1797.2	1265.2	104.5	52.0	32.5	24.9	19.1	14.7	12.0	10.2	9.8
55°	2043.7	1445.3	96.5	45.4	27.6	21.4	15.6	12.0	9.8	8.5	7.6
57.5°	2269.7	1607.7	96.1	38.7	23.6	18.2	12.9	10.2	8.5	6.7	6.2
60°	2489.9	1743.4	90.3	32.0	20.5	15.1	11.1	8.5	7.1	5.8	5.3
62.5°	2689.6	1853.7	75.6	25.8	17.3	12.5	9.3	7.6	6.2	4.9	4.9
65°	2940.5	1994.3	57.8	20.9	14.2	10.2	8.0	6.7	5.8	4.4	4.4
67.5°	3199.9	2068.6	41.4	17.3	11.6	8.9	7.1	6.2	4.9	4.0	4.0
70°	2898.3	1747.8	29.8	14.2	9.8	7.6	6.2	5.8	4.9	4.0	3.6
72.5°	2263.4	1260.3	22.2	11.1	8.5	7.1	5.8	5.3	4.4	3.6	3.6
75°	1678.4	734.9	16.9	8.9	6.7	5.8	5.8	5.3	4.4	3.6	3.1
77.5°	912.4	256.2	12.9	7.1	5.3	4.4	4.9	4.9	4.0	3.1	2.7
80°	241.6	70.3	8.9	5.3	4.4	3.6	3.6	4.4	3.6	2.7	2.7
82.5°	70.3	20.5	6.2	4.4	3.6	3.1	3.1	3.1	2.7	2.2	1.8
85°	34.3	7.6	4.4	3.6	3.1	2.7	2.2	2.2	1.8	1.3	1.3
87.5°	15.1	3.1	3.6	3.1	3.1	2.2	1.8	1.3	1.3	0.9	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)