

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: P629788

Luminaire Tested: GWS-SA1C-735-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4645 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

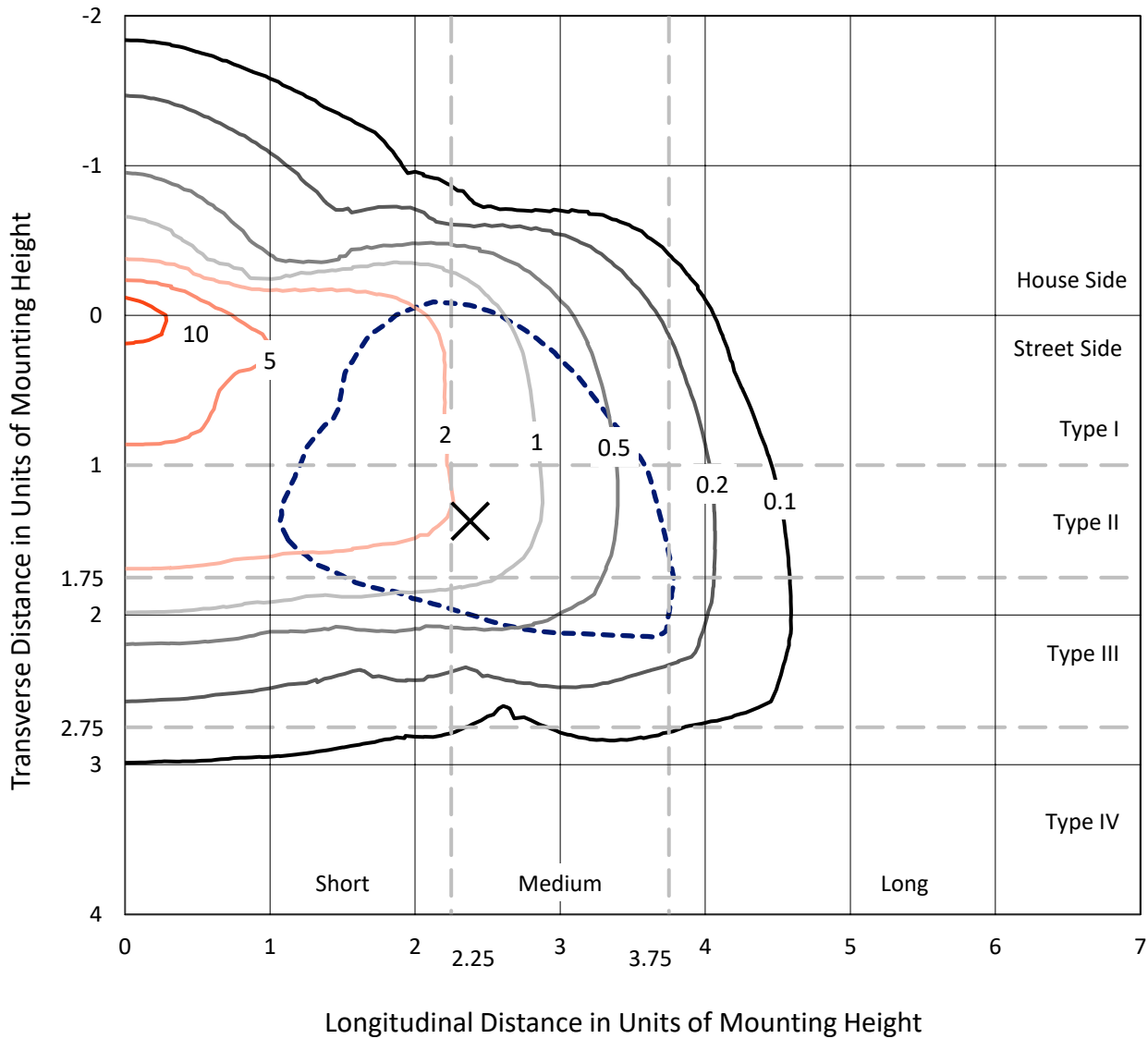
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

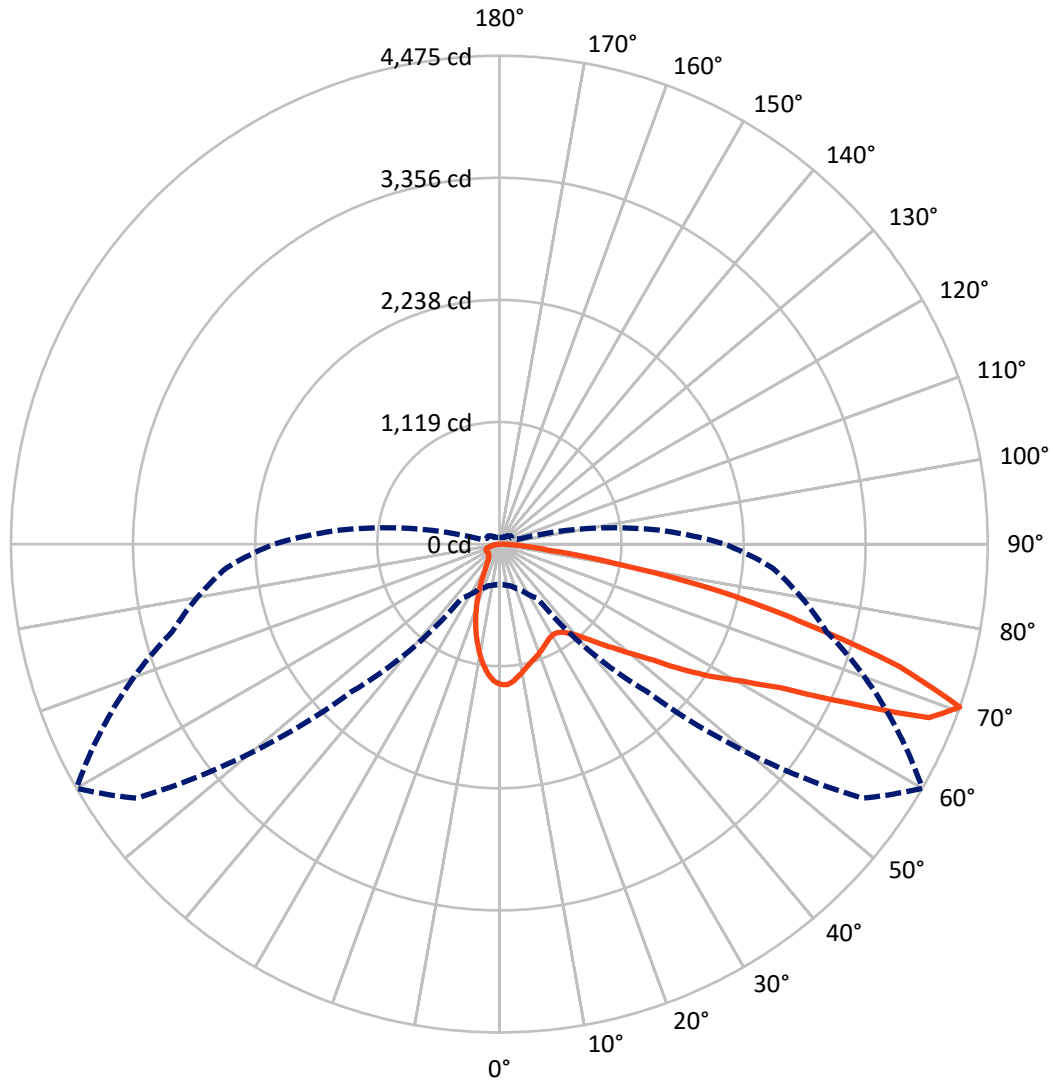
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	794.4	0.0	794.4
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	3850.6	0.0	3850.6
	% Fixture	82.9	0.0	82.9
Total	Lumens	4645.0	0.0	4645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	2.4
10°-20°	248.2	5.3
20°-30°	317.9	6.8
30°-40°	417.8	9.0
40°-50°	606.1	13.0
50°-60°	945.7	20.4
60°-70°	1238.0	26.7
70°-80°	684.6	14.7
80°-90°	76.0	1.6
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°	4645.0	100.0
0°-180°	4645.0	100.0

Coefficient of Utilization



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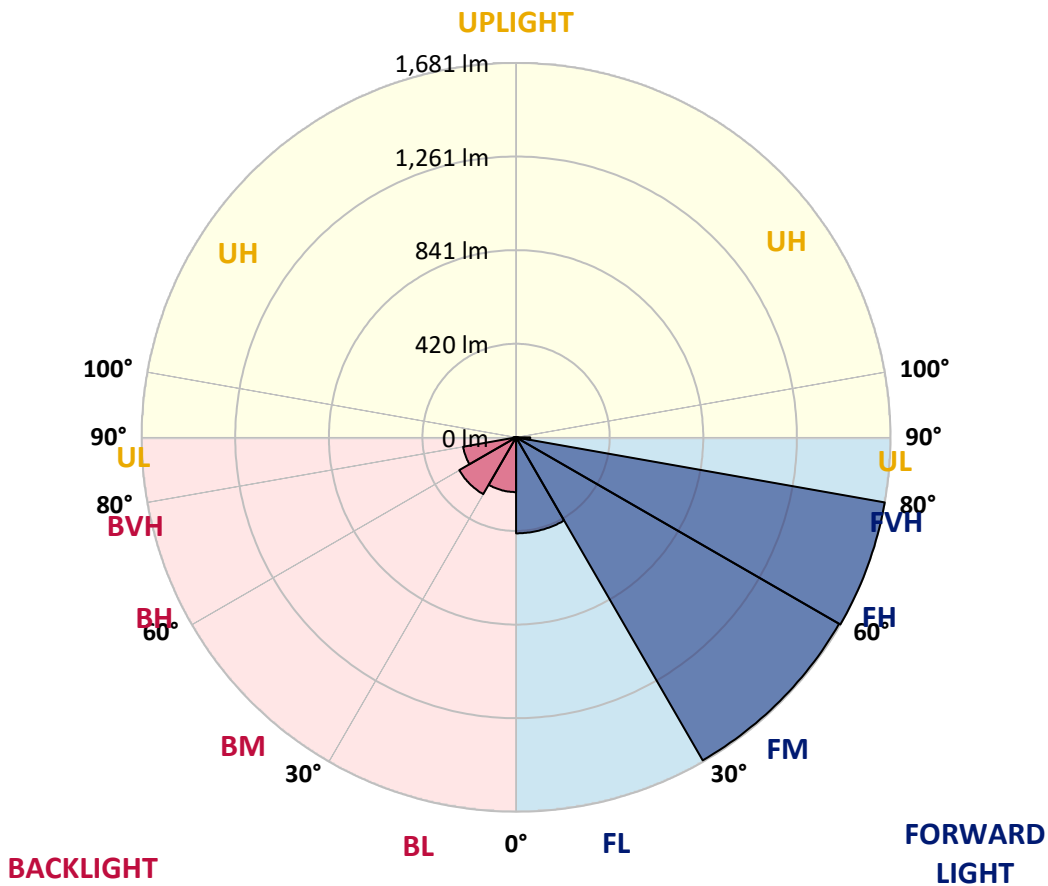
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	431.1	9.3			
FM (30°-60°)	1675.0	36.1			
FH (60°-80°)	1681.2	36.2			G1/1800
FVH (80°-90°)	63.3	1.4			G1/100
BL (0°-30°)	245.8	5.3	B1/500		
BM (30°-60°)	294.5	6.3	B1/1000		
BH (60°-80°)	241.4	5.2	B1/500		G1/500
BVH (80°-90°)	12.7	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3
2.5°	1267.3	1268.7	1272.4	1277.9	1283.3	1286.0	1292.8	1290.8	1289.4	1286.7	1283.3
5°	1211.2	1214.0	1217.4	1227.9	1239.8	1249.3	1264.6	1266.3	1267.0	1268.3	1262.9
7.5°	1139.9	1140.6	1148.7	1162.6	1178.3	1194.6	1220.1	1227.2	1233.3	1240.1	1235.7
10°	1061.0	1062.7	1068.8	1088.9	1115.7	1139.9	1174.2	1186.1	1199.0	1214.0	1207.8
12.5°	996.5	996.8	1006.7	1028.1	1057.3	1089.9	1132.7	1147.0	1164.0	1187.5	1182.0
15°	945.1	945.1	954.3	972.7	1006.3	1044.7	1095.7	1114.0	1137.2	1168.8	1159.2
17.5°	904.4	904.7	910.5	929.8	959.8	1002.2	1062.7	1087.5	1113.0	1154.8	1140.6
20°	882.9	881.2	882.3	894.2	919.6	960.8	1029.8	1058.6	1093.0	1145.3	1123.6
22.5°	881.9	878.9	874.4	875.5	890.4	924.4	994.4	1029.4	1072.6	1137.5	1106.2
25°	899.3	895.9	888.0	879.2	877.8	898.2	961.1	1000.9	1051.5	1134.1	1089.6
27.5°	928.5	926.1	915.9	902.7	888.7	888.0	936.0	977.4	1036.2	1137.5	1077.7
30°	967.2	963.1	956.7	939.7	918.6	896.9	926.1	964.8	1026.0	1148.4	1072.6
32.5°	1011.1	1008.7	1002.6	985.6	963.1	928.5	933.9	967.6	1026.0	1167.4	1073.6
35°	1057.6	1057.3	1057.3	1046.1	1021.3	978.1	964.8	990.7	1041.7	1198.0	1084.5
37.5°	1102.8	1102.5	1113.4	1117.4	1089.2	1042.7	1017.5	1036.9	1076.0	1243.2	1111.3
40°	1139.5	1140.9	1164.7	1185.1	1169.4	1126.3	1090.9	1100.8	1131.7	1307.4	1158.2
42.5°	1176.6	1180.3	1216.0	1252.0	1258.1	1220.8	1185.1	1190.9	1211.6	1392.4	1228.2
45°	1217.0	1218.7	1268.7	1319.0	1348.5	1326.5	1297.2	1305.0	1309.8	1497.4	1332.6
47.5°	1256.1	1260.5	1325.1	1394.1	1450.2	1448.1	1431.8	1429.4	1430.4	1625.2	1455.9
50°	1309.5	1315.9	1391.7	1475.0	1557.2	1594.9	1599.7	1581.7	1574.2	1767.2	1609.6
52.5°	1410.7	1410.7	1478.7	1560.6	1671.1	1764.5	1796.5	1766.9	1743.1	1917.5	1772.7
55°	1537.5	1542.9	1597.0	1663.3	1803.3	1943.0	2051.0	2018.4	1951.1	2080.9	1943.6
57.5°	1593.9	1600.7	1686.4	1789.3	1976.3	2145.8	2295.7	2284.2	2185.9	2250.9	2121.0
60°	1492.0	1506.2	1624.2	1796.8	2132.9	2473.1	2578.8	2545.2	2404.8	2429.3	2313.4
62.5°	1244.5	1260.2	1391.0	1632.0	2111.2	2826.9	3025.0	2901.0	2678.1	2654.6	2569.6
65°	742.6	741.9	899.3	1218.7	1843.0	2925.1	3731.3	3499.8	3100.2	2963.9	2833.4
67.5°	472.1	471.0	504.0	645.7	1226.5	2684.5	4185.3	4245.5	3673.5	3191.2	2855.1
70°	372.5	372.1	395.9	460.5	606.6	1910.3	4058.9	4475.2	4019.8	3104.6	2513.9
72.5°	271.5	272.2	308.9	385.7	468.0	959.1	3286.7	3829.1	3697.3	2740.6	2040.8
75°	195.1	196.1	218.2	295.3	431.6	524.4	2185.6	2879.3	2813.0	2196.8	1403.9
77.5°	124.0	125.4	144.8	207.0	348.7	423.5	1325.1	2032.7	1871.6	1237.8	499.2
80°	75.8	80.2	96.5	154.3	278.7	317.8	662.4	1070.9	937.3	339.5	167.9
82.5°	39.1	42.5	58.1	95.5	192.0	279.0	374.9	450.0	290.2	142.1	89.4
85°	12.2	14.3	20.4	38.7	91.4	173.0	248.1	223.6	133.2	67.0	41.5
87.5°	3.1	3.1	3.4	3.4	3.7	7.8	47.9	50.6	35.3	21.1	17.0
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°	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3	1285.3
2.5°	1276.5	1268.3	1264.9	1264.6	1256.1	1243.9	1235.7	1229.9	1226.5	1225.9	1225.9
5°	1253.7	1243.2	1229.3	1218.7	1195.9	1172.8	1153.5	1142.6	1130.0	1128.3	1128.0
7.5°	1223.5	1208.2	1181.7	1152.1	1112.3	1073.9	1041.3	1019.2	997.1	993.1	991.7
10°	1190.9	1170.1	1124.9	1072.9	1013.4	956.0	906.1	867.0	841.1	822.8	819.4
12.5°	1158.6	1131.0	1064.8	987.3	905.7	827.2	752.1	688.2	642.0	615.1	610.4
15°	1128.3	1089.9	999.2	900.3	794.2	686.8	580.5	497.5	432.6	409.5	404.1
17.5°	1100.8	1052.9	935.6	810.2	678.0	537.7	416.7	342.9	304.8	293.3	290.6
20°	1073.3	1014.8	871.0	715.4	554.6	397.3	304.5	269.8	255.6	251.2	249.8
22.5°	1043.7	973.0	800.7	621.9	429.9	297.4	249.1	233.8	229.4	229.7	229.4
25°	1014.1	930.5	726.9	520.3	320.1	241.3	217.5	211.7	212.7	215.8	216.5
27.5°	989.7	892.8	654.6	408.8	250.1	207.7	196.4	196.1	199.8	203.9	204.6
30°	972.0	859.2	583.2	314.4	206.0	184.5	180.1	182.2	186.6	189.6	190.7
32.5°	959.4	830.3	507.1	247.1	180.5	168.2	166.2	168.2	170.9	174.0	174.7
35°	955.0	809.2	432.3	201.5	163.1	156.3	155.0	156.0	157.4	159.1	159.7
37.5°	964.8	798.7	354.1	175.4	152.6	148.5	146.5	145.8	146.1	146.8	147.2
40°	994.1	803.4	290.2	160.1	145.8	142.1	138.7	137.3	137.0	137.6	137.3
42.5°	1044.4	823.5	244.0	151.2	140.4	134.9	131.2	129.8	129.8	131.5	131.5
45°	1118.1	862.9	210.7	144.8	135.6	128.8	124.7	124.0	125.4	128.1	128.5
47.5°	1226.2	920.7	190.7	140.0	131.2	123.4	119.3	118.9	121.7	126.1	126.4
50°	1354.3	1003.9	179.8	136.6	128.1	118.9	114.9	115.2	118.3	123.0	124.0
52.5°	1508.6	1117.4	180.5	135.3	126.4	116.2	112.2	111.5	114.5	119.3	120.3
55°	1668.0	1255.4	193.7	135.6	124.0	114.9	109.4	107.1	109.8	113.2	113.5
57.5°	1843.4	1411.1	226.7	134.9	121.0	113.5	107.1	101.6	103.3	105.4	106.4
60°	2041.2	1594.3	297.7	136.3	119.6	110.5	102.3	95.2	94.8	96.2	96.5
62.5°	2305.6	1843.4	377.6	138.7	122.7	106.7	95.2	87.7	86.3	87.0	87.3
65°	2507.8	1962.3	352.4	136.6	129.1	104.0	88.4	80.5	77.8	77.1	77.1
67.5°	2425.5	1805.0	245.4	131.2	132.2	104.3	82.9	73.1	69.7	68.0	67.6
70°	2063.9	1466.1	170.6	125.7	128.8	103.7	77.1	67.0	62.5	60.2	59.8
72.5°	1630.6	1119.5	138.0	114.9	116.9	93.5	68.7	60.2	56.4	53.4	53.4
75°	1049.5	683.1	115.2	102.3	95.5	72.7	59.5	53.7	50.0	46.9	46.9
77.5°	353.1	253.5	89.4	86.7	71.4	54.7	50.0	46.2	43.2	40.4	40.1
80°	143.4	120.3	65.6	65.6	50.0	41.8	39.1	37.4	35.3	31.9	31.9
82.5°	83.3	73.1	45.9	39.8	33.3	28.9	27.2	25.5	25.5	23.1	23.1
85°	40.1	40.4	27.5	24.5	19.0	16.7	16.0	15.0	14.6	13.3	12.9
87.5°	21.8	22.1	13.9	10.9	7.5	6.5	5.4	5.1	4.8	4.4	4.4
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)