

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: P630881

Luminaire Tested: GWS-SA1E-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630881
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-SA1E-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6144.5 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

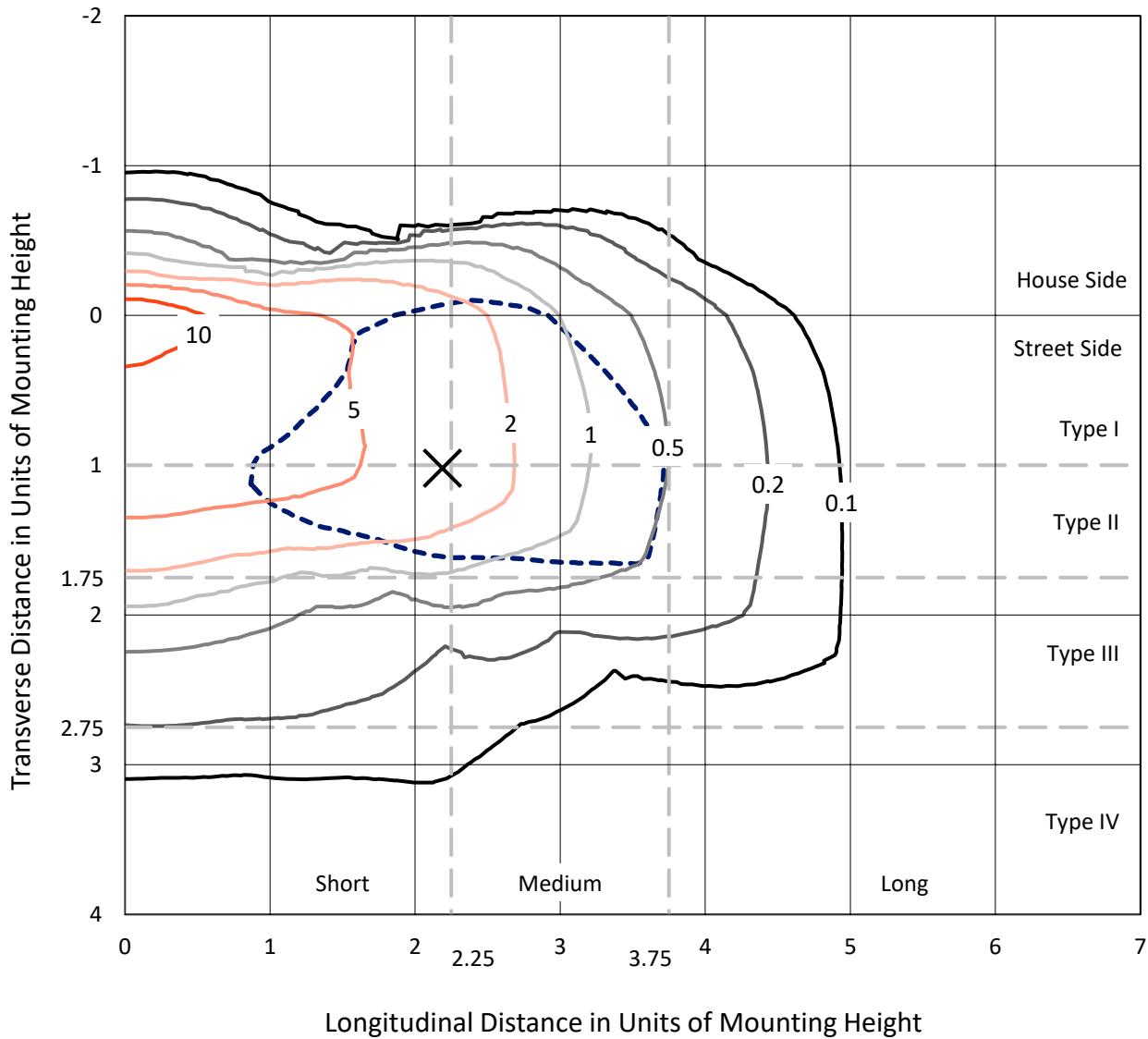
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

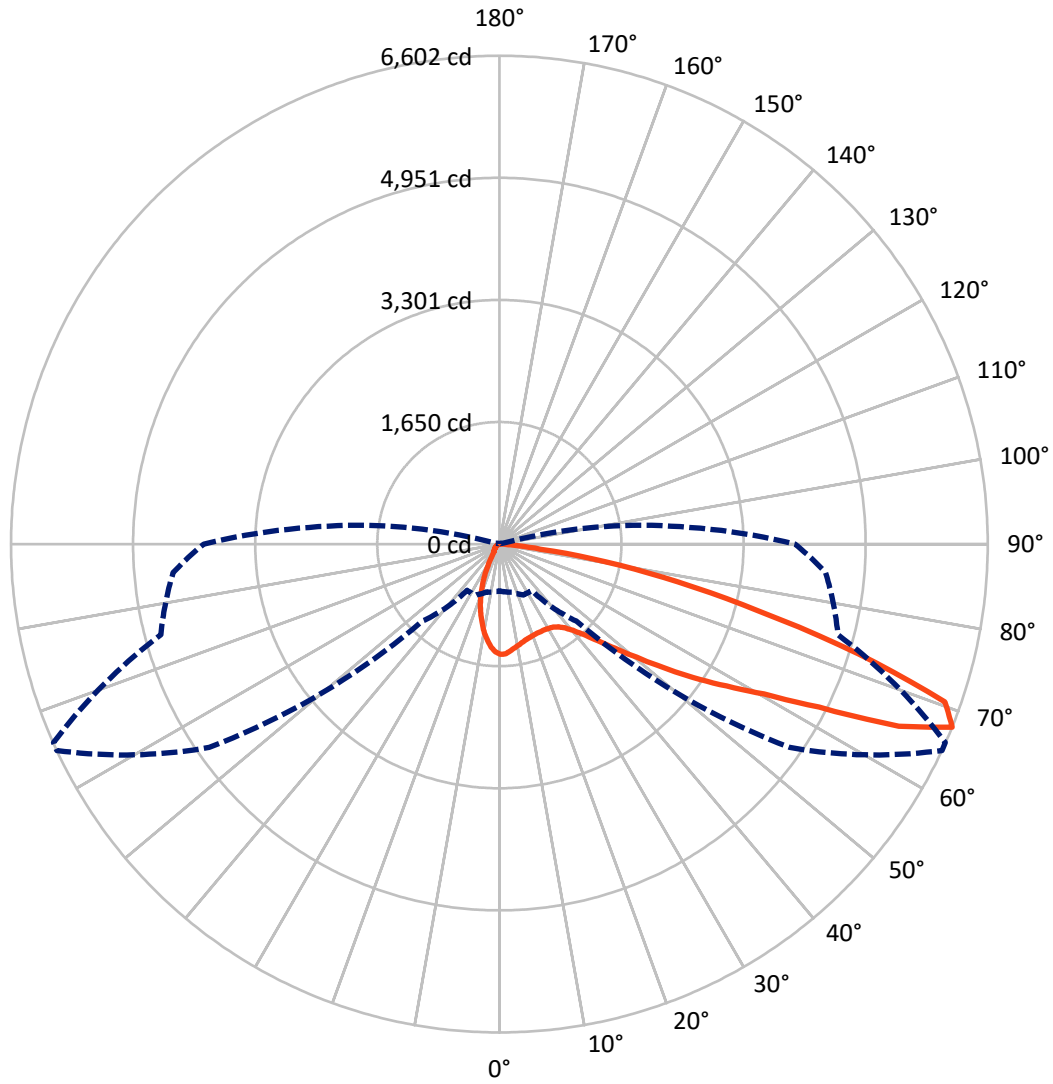
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	767.3	0.0	767.3
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	5377.2	0.0	5377.2
	% Fixture	87.5	0.0	87.5
Total	Lumens	6144.5	0.0	6144.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	2.0
10°-20°	278.2	4.5
20°-30°	397.6	6.5
30°-40°	578.4	9.4
40°-50°	905.9	14.7
50°-60°	1413.2	23.0
60°-70°	1552.4	25.3
70°-80°	826.2	13.4
80°-90°	68.8	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°	6144.5	100.0
0°-180°	6144.5	100.0

Coefficient of Utilization



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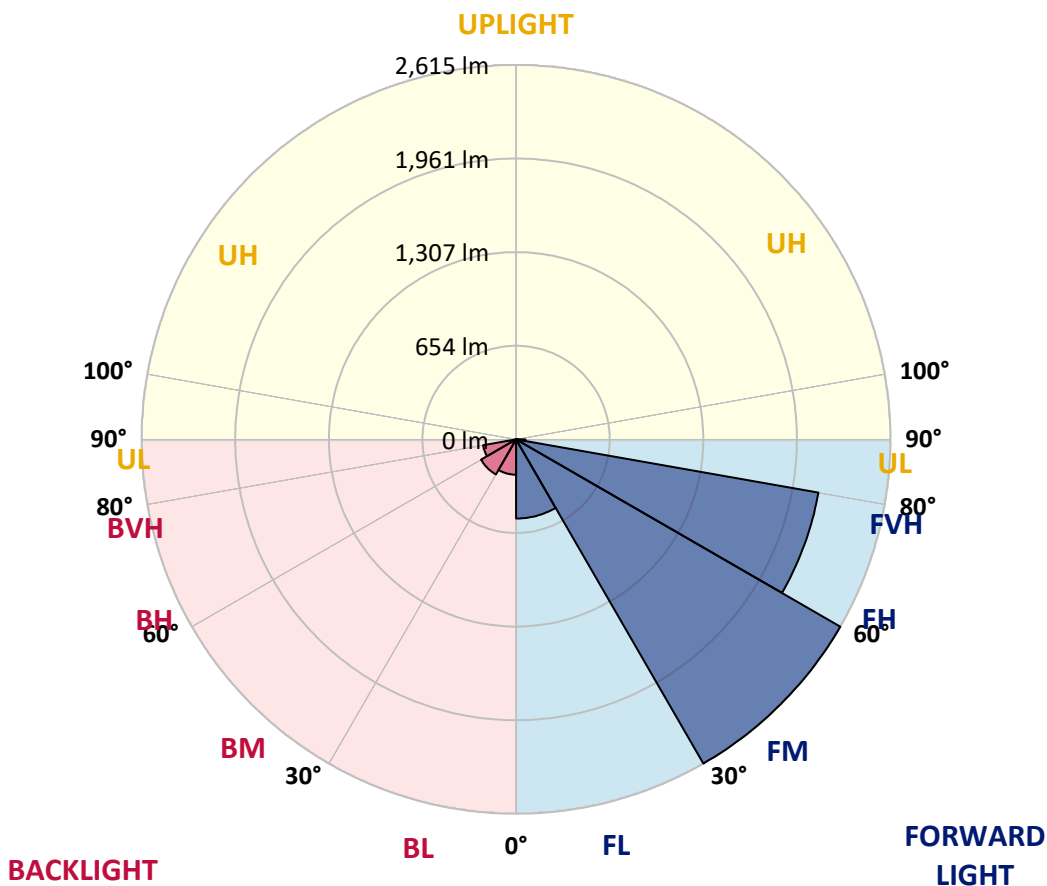
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	553.0	9.0			
FM (30°-60°)	2615.0	42.6			
FH (60°-80°)	2144.2	34.9			G2/5000
FVH (80°-90°)	65.1	1.1			G1/100
BL (0°-30°)	246.6	4.0	B1/500		
BM (30°-60°)	282.6	4.6	B1/1000		
BH (60°-80°)	234.4	3.8	B1/500		G1/500
BVH (80°-90°)	3.7	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2
2.5°	1438.6	1443.0	1436.9	1451.9	1454.7	1471.3	1480.8	1487.5	1486.9	1495.2	1495.2
5°	1354.1	1358.5	1355.2	1371.3	1384.1	1410.2	1431.9	1456.9	1458.0	1483.6	1493.0
7.5°	1282.4	1283.0	1283.0	1303.0	1319.7	1351.9	1384.1	1422.4	1426.9	1466.3	1491.3
10°	1223.5	1225.2	1225.7	1248.5	1266.9	1305.8	1346.9	1393.0	1398.0	1451.3	1490.2
12.5°	1183.0	1183.5	1185.7	1209.6	1229.6	1270.2	1311.9	1364.7	1371.3	1434.1	1485.2
15°	1163.5	1162.4	1163.5	1183.5	1203.5	1242.4	1285.2	1341.9	1349.1	1419.7	1485.8
17.5°	1162.4	1160.7	1159.6	1174.6	1187.4	1221.9	1265.2	1326.9	1334.7	1413.0	1491.9
20°	1178.5	1177.4	1171.9	1178.5	1181.3	1209.6	1252.4	1315.2	1323.0	1411.9	1505.2
22.5°	1220.7	1218.0	1209.6	1203.5	1188.5	1205.2	1243.5	1306.9	1315.8	1414.7	1522.5
25°	1283.5	1282.4	1271.9	1256.9	1218.5	1211.9	1244.1	1306.9	1315.2	1418.0	1540.8
27.5°	1378.0	1371.3	1358.0	1331.9	1276.9	1238.0	1255.2	1310.2	1318.5	1422.4	1555.8
30°	1474.1	1473.6	1469.1	1442.4	1360.8	1288.0	1278.5	1319.1	1326.9	1426.3	1569.7
32.5°	1573.6	1575.2	1586.4	1565.8	1476.3	1362.4	1320.8	1337.4	1343.0	1434.1	1581.9
35°	1668.0	1671.4	1700.8	1708.0	1616.9	1475.2	1389.7	1374.1	1374.7	1451.3	1598.0
37.5°	1758.6	1769.7	1817.0	1852.0	1791.9	1611.9	1489.1	1436.3	1431.9	1485.8	1622.5
40°	1861.4	1882.5	1942.0	2001.4	1982.5	1792.5	1624.7	1531.9	1522.5	1549.1	1666.4
42.5°	1975.3	1998.1	2077.0	2160.3	2169.2	2010.9	1794.2	1671.4	1655.3	1655.8	1748.6
45°	2097.6	2128.1	2219.8	2339.8	2393.7	2254.2	2003.1	1859.7	1843.6	1819.7	1880.9
47.5°	2258.1	2284.8	2373.2	2511.5	2614.9	2515.4	2277.0	2102.0	2072.5	2037.5	2086.4
50°	2396.5	2419.8	2495.9	2669.3	2884.3	2852.1	2587.6	2404.8	2376.5	2317.0	2357.6
52.5°	2427.0	2445.4	2515.4	2710.4	3090.5	3277.2	2968.2	2771.0	2751.0	2641.0	2656.5
55°	2289.8	2317.6	2380.4	2597.1	3144.4	3692.8	3462.2	3183.8	3142.2	2966.6	2994.4
57.5°	1943.1	1992.5	2051.4	2333.1	2998.3	3914.0	4152.3	3621.1	3583.3	3280.0	3280.5
60°	1424.1	1464.1	1503.6	1761.4	2651.5	3898.9	4778.5	4112.3	4043.4	3536.1	3526.7
62.5°	1035.7	1056.3	1055.7	1147.4	1820.8	3642.2	5107.5	4852.4	4691.9	3810.0	3756.1
65°	814.6	814.0	837.9	867.9	1016.8	2811.6	5148.0	5933.2	5759.8	4177.3	4065.1
67.5°	634.0	646.2	670.1	758.5	764.0	1471.3	4791.3	6601.6	6598.3	4738.0	4426.8
70°	489.0	505.6	539.5	668.4	705.7	823.5	3585.0	6389.9	6443.8	4988.6	4170.7
72.5°	313.9	312.8	362.8	540.1	677.9	686.2	1982.5	5075.8	5136.9	4518.5	3372.2
75°	175.6	176.7	205.0	330.6	631.8	645.7	981.8	3619.5	3667.8	3522.8	2591.0
77.5°	68.9	71.1	96.1	173.9	416.7	576.8	583.4	2468.2	2475.4	2183.1	1589.1
80°	27.8	29.4	48.9	107.8	253.9	388.4	416.7	1454.1	1424.7	845.1	462.3
82.5°	8.3	8.9	19.4	61.1	132.8	276.2	281.2	557.9	526.7	181.7	117.8
85°	0.6	0.6	4.4	18.9	47.2	69.5	187.3	181.7	161.1	45.6	52.2
87.5°	0.0	0.0	0.6	0.6	1.1	2.2	20.0	33.3	33.9	8.3	23.3
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°	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2
2.5°	1495.2	1475.2	1473.6	1458.0	1442.4	1423.0	1400.2	1383.6	1371.9	1351.3	1347.4
5°	1493.0	1466.3	1441.3	1396.9	1347.4	1294.1	1247.4	1204.1	1176.9	1158.5	1150.7
7.5°	1488.6	1454.7	1396.9	1313.0	1230.2	1136.8	1064.1	997.4	951.8	925.1	913.5
10°	1485.2	1439.7	1345.8	1218.5	1090.2	961.3	850.7	751.8	696.8	653.4	646.2
12.5°	1478.6	1418.0	1280.2	1108.0	942.4	771.2	630.1	509.0	425.1	387.3	373.9
15°	1471.9	1395.2	1214.6	991.3	781.2	570.1	399.0	282.3	224.5	206.7	205.6
17.5°	1470.8	1374.7	1143.5	880.7	612.3	373.4	227.3	182.8	170.6	166.1	166.1
20°	1474.1	1357.4	1073.5	753.5	446.2	227.3	169.5	158.4	151.1	147.2	147.2
22.5°	1477.5	1339.7	1006.3	625.1	296.2	166.1	149.5	140.0	131.7	127.2	125.0
25°	1479.7	1320.2	931.8	496.2	193.4	144.5	131.1	118.9	108.9	103.3	103.3
27.5°	1479.1	1296.9	856.8	370.1	150.0	128.4	112.2	99.5	89.5	83.3	83.9
30°	1474.7	1271.3	779.0	258.4	131.1	112.2	96.1	82.8	72.8	67.8	67.2
32.5°	1471.3	1244.1	689.0	181.7	117.8	98.3	81.7	68.9	60.6	56.7	56.1
35°	1467.5	1217.4	603.4	138.4	106.1	85.0	68.9	58.3	51.7	48.3	48.3
37.5°	1468.6	1189.6	510.6	118.9	94.5	73.9	58.9	50.0	44.5	41.1	40.6
40°	1485.8	1173.0	419.5	107.8	83.9	63.9	51.1	43.3	37.8	34.4	33.9
42.5°	1528.6	1173.5	332.3	99.5	74.5	54.5	44.5	37.2	32.2	28.3	27.8
45°	1614.1	1196.9	255.0	90.6	64.5	47.2	38.3	31.7	26.7	23.3	22.8
47.5°	1754.2	1266.3	193.4	82.8	56.1	41.1	32.8	26.7	22.2	19.4	18.9
50°	1977.0	1391.9	152.2	73.3	47.2	35.6	27.8	22.2	18.3	15.6	15.0
52.5°	2244.8	1580.2	130.6	65.0	40.6	31.1	23.9	18.3	15.0	12.8	12.2
55°	2552.6	1805.3	120.6	56.7	34.4	26.7	19.4	15.0	12.2	10.6	9.4
57.5°	2834.9	2008.1	120.0	48.3	29.4	22.8	16.1	12.8	10.6	8.3	7.8
60°	3109.9	2177.6	112.8	40.0	25.6	18.9	13.9	10.6	8.9	7.2	6.7
62.5°	3359.4	2315.4	94.5	32.2	21.7	15.6	11.7	9.4	7.8	6.1	6.1
65°	3672.8	2490.9	72.2	26.1	17.8	12.8	10.0	8.3	7.2	5.6	5.6
67.5°	3996.7	2583.7	51.7	21.7	14.4	11.1	8.9	7.8	6.1	5.0	5.0
70°	3620.0	2183.1	37.2	17.8	12.2	9.4	7.8	7.2	6.1	5.0	4.4
72.5°	2827.1	1574.1	27.8	13.9	10.6	8.9	7.2	6.7	5.6	4.4	4.4
75°	2096.4	917.9	21.1	11.1	8.3	7.2	7.2	6.7	5.6	4.4	3.9
77.5°	1139.6	320.1	16.1	8.9	6.7	5.6	6.1	6.1	5.0	3.9	3.3
80°	301.7	87.8	11.1	6.7	5.6	4.4	4.4	5.6	4.4	3.3	3.3
82.5°	87.8	25.6	7.8	5.6	4.4	3.9	3.9	3.9	3.3	2.8	2.2
85°	42.8	9.4	5.6	4.4	3.9	3.3	2.8	2.8	2.2	1.7	1.7
87.5°	18.9	3.9	4.4	3.9	3.9	2.8	2.2	1.7	1.7	1.1	0.6
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)