

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: P630603

Luminaire Tested: GWS-SA1E-722-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5745.9 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

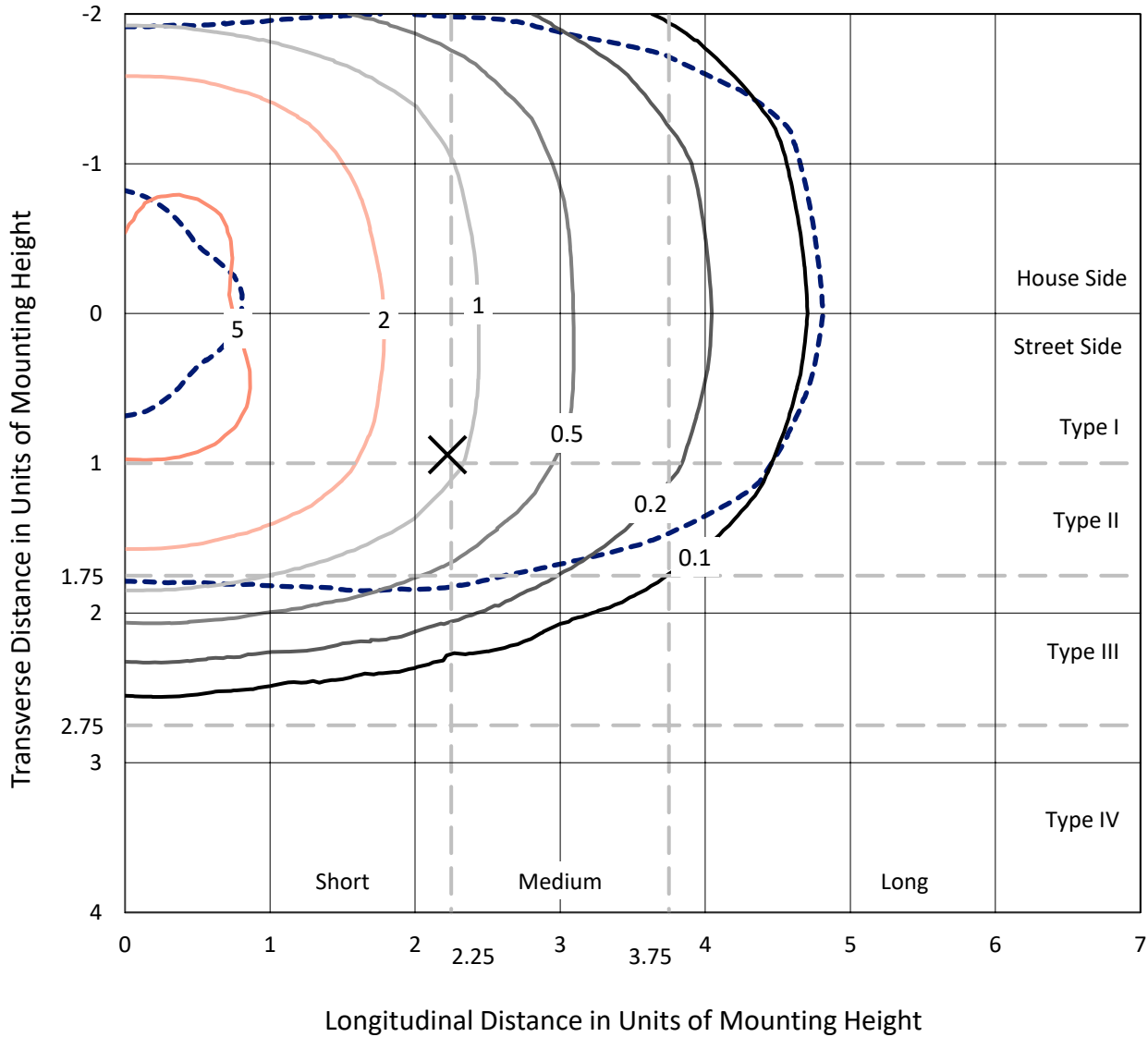
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

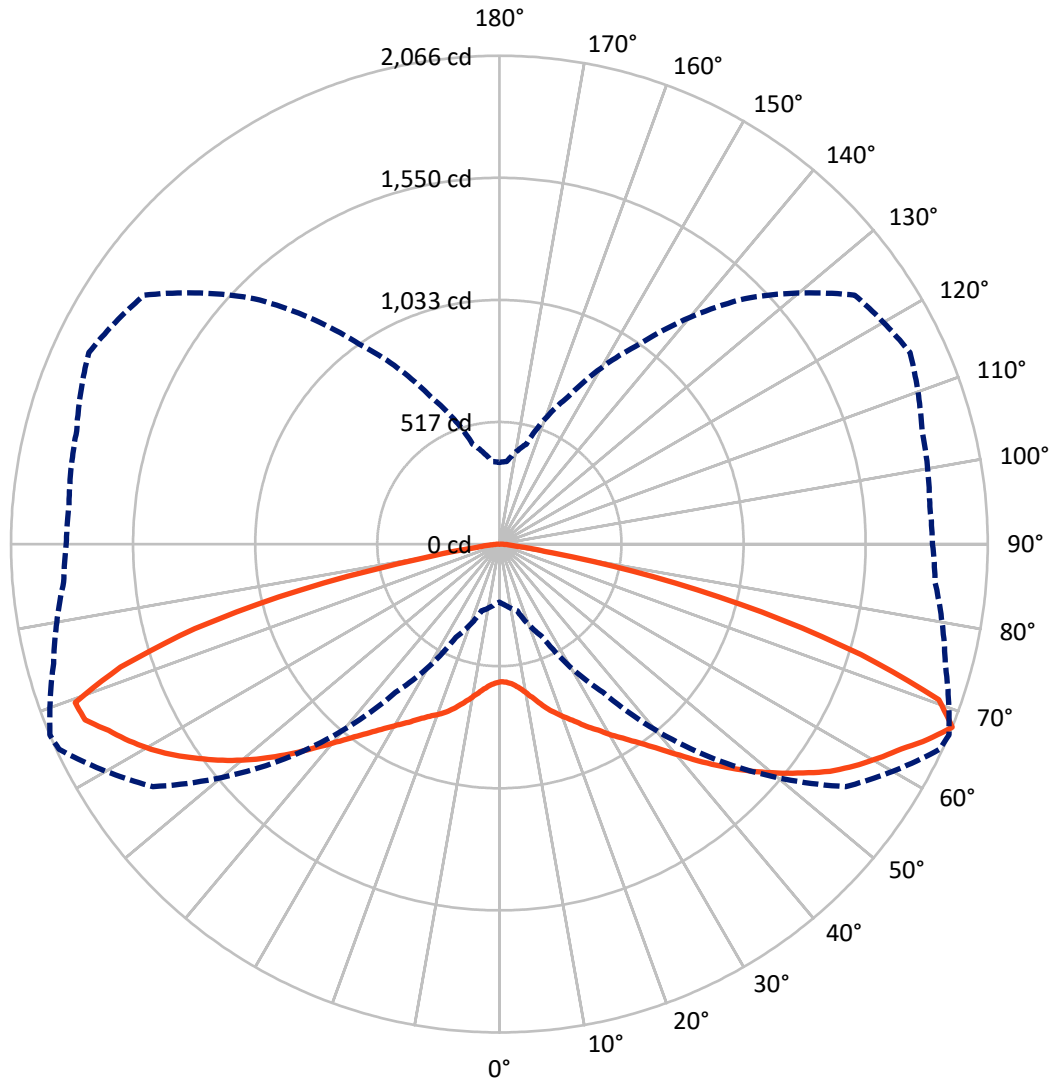
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2841.2	0.0	2841.2
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	2904.6	0.0	2904.6
	% Fixture	50.6	0.0	50.6
Total	Lumens	5745.9	0.0	5745.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.1	1.0
10°-20°	192.8	3.4
20°-30°	378.4	6.6
30°-40°	644.6	11.2
40°-50°	1035.1	18.0
50°-60°	1406.5	24.5
60°-70°	1345.4	23.4
70°-80°	639.6	11.1
80°-90°	46.3	0.8
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°	5745.9	100.0
0°-180°	5745.9	100.0

Coefficient of Utilization



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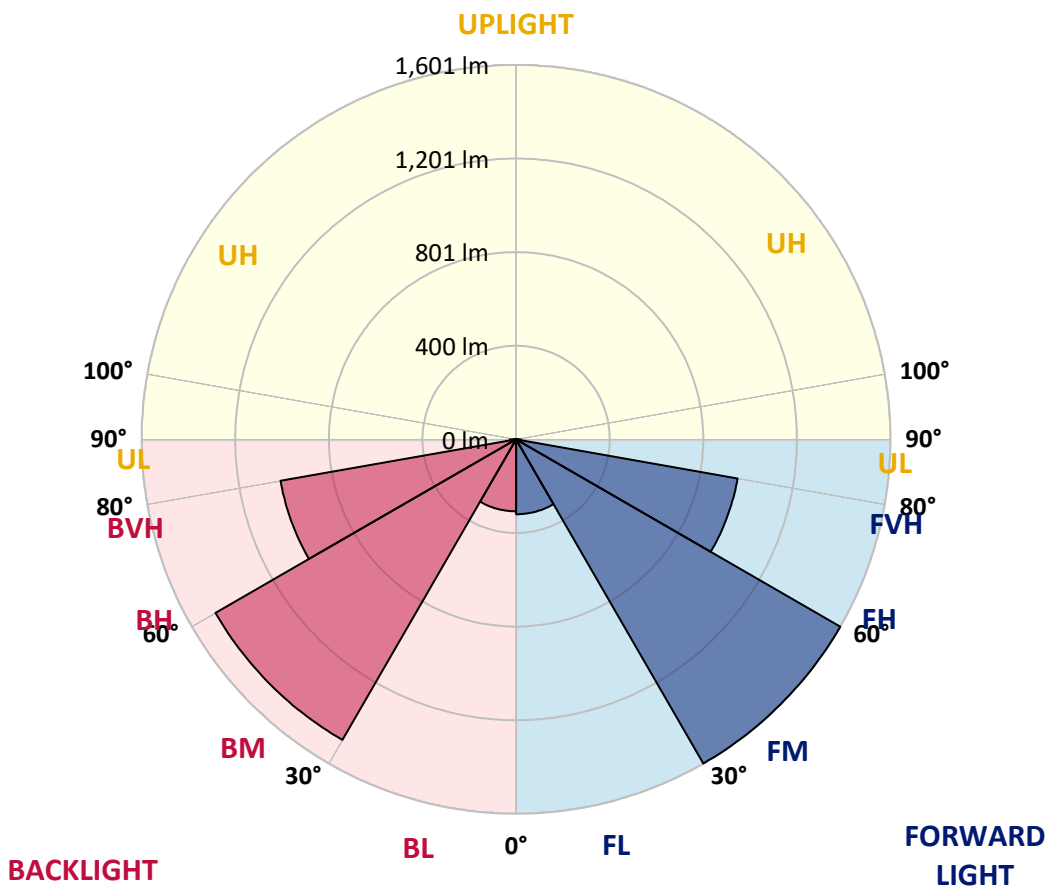
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	320.4	5.6			
FM (30°-60°)	1601.4	27.9			
FH (60°-80°)	962.0	16.7			G1/1800
FVH (80°-90°)	20.8	0.4			G1/100
BL (0°-30°)	307.9	5.4	B1/500		
BM (30°-60°)	1484.8	25.8	B2/2500		
BH (60°-80°)	1023.0	17.8	B3/2500		G3/2500
BVH (80°-90°)	25.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8
2.5°	569.8	570.6	571.8	574.2	576.6	580.2	583.8	583.4	585.0	586.2	587.4
5°	566.6	567.4	569.4	572.6	576.2	582.2	589.8	593.0	595.4	599.8	603.8
7.5°	573.4	575.0	577.8	582.2	587.8	595.4	605.8	611.4	615.0	623.0	629.8
10°	582.6	584.6	590.2	598.6	607.0	618.6	631.8	640.2	642.6	653.0	665.8
12.5°	591.4	593.8	603.0	618.2	633.4	649.0	664.6	675.0	675.8	689.8	704.2
15°	605.4	607.4	619.8	639.4	662.6	684.2	703.4	710.6	713.9	723.9	741.9
17.5°	636.2	638.6	654.6	675.8	700.2	723.1	742.3	748.3	748.3	756.7	771.5
20°	669.4	671.8	693.0	720.3	749.9	773.1	787.9	782.3	780.3	782.7	793.1
22.5°	706.6	711.0	731.5	763.1	799.5	827.9	835.5	818.7	813.1	807.5	809.9
25°	754.3	759.5	779.5	813.1	848.7	878.7	883.1	857.1	853.9	834.3	827.1
27.5°	809.1	813.1	837.9	871.1	904.3	929.5	934.3	902.3	891.5	864.3	847.5
30°	879.9	883.5	905.1	937.9	966.7	984.3	990.3	946.3	937.9	896.3	870.3
32.5°	957.1	958.7	980.7	1012.4	1038.0	1054.8	1046.4	995.1	982.7	935.9	900.3
35°	1045.6	1045.6	1074.0	1099.6	1120.0	1124.8	1108.8	1050.4	1036.0	985.1	940.7
37.5°	1132.4	1134.8	1161.2	1191.6	1209.6	1208.8	1179.6	1115.6	1099.2	1044.0	994.7
40°	1226.4	1231.6	1258.0	1292.1	1309.3	1306.9	1262.0	1190.8	1174.0	1108.8	1060.8
42.5°	1312.9	1321.3	1352.1	1386.9	1405.7	1404.1	1357.3	1277.2	1260.8	1187.2	1139.2
45°	1381.7	1390.5	1428.9	1477.3	1507.3	1504.5	1457.3	1366.9	1346.9	1269.6	1216.8
47.5°	1442.1	1451.3	1494.1	1545.3	1593.0	1597.8	1554.5	1457.3	1436.1	1358.1	1298.5
50°	1488.5	1492.9	1540.9	1597.0	1652.2	1679.0	1641.4	1548.1	1522.5	1445.3	1378.1
52.5°	1484.9	1490.9	1550.1	1626.2	1700.2	1744.2	1718.2	1633.8	1609.0	1524.9	1459.3
55°	1411.7	1417.7	1488.1	1599.0	1727.0	1791.8	1789.0	1715.4	1697.4	1606.2	1543.7
57.5°	1304.9	1318.1	1388.1	1507.7	1691.8	1829.8	1841.0	1789.8	1771.0	1685.8	1627.4
60°	1113.6	1131.2	1212.0	1367.3	1579.0	1817.0	1896.7	1852.7	1841.0	1759.8	1703.0
62.5°	809.1	821.9	929.5	1133.2	1411.7	1725.8	1943.5	1917.5	1908.7	1826.2	1771.4
65°	484.6	513.8	600.2	801.5	1138.8	1553.7	1917.9	2002.3	1993.1	1894.7	1829.8
67.5°	245.3	258.5	292.5	434.6	765.9	1285.7	1789.4	2055.1	2066.3	1953.1	1850.7
70°	152.1	155.7	165.3	214.5	382.5	844.7	1463.3	1917.5	1972.3	1943.9	1796.6
72.5°	122.0	122.8	124.4	133.6	183.7	394.9	925.1	1501.7	1600.6	1815.4	1719.4
75°	101.2	101.6	102.0	104.8	114.4	161.3	450.2	1032.0	1147.6	1542.9	1594.2
77.5°	81.2	79.2	80.8	82.0	84.4	90.0	155.3	550.6	667.8	1012.8	1232.8
80°	52.8	52.0	55.2	56.4	58.8	62.4	82.8	186.9	226.9	368.5	392.1
82.5°	28.4	26.8	33.6	32.4	33.6	36.4	48.8	68.4	76.8	111.2	94.0
85°	8.8	8.8	9.2	10.8	13.2	12.8	21.2	33.6	37.2	47.6	35.2
87.5°	1.6	1.6	1.6	1.6	1.6	2.0	4.4	6.8	9.2	16.4	12.4
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°	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8
2.5°	589.8	586.2	588.2	589.4	589.0	588.2	584.2	583.4	581.4	578.2	577.4
5°	607.4	603.4	603.8	602.6	598.6	593.4	584.6	580.2	576.6	572.6	572.2
7.5°	635.0	630.6	629.4	623.8	612.6	600.6	586.6	578.6	572.6	567.4	566.6
10°	670.2	665.8	661.8	648.6	630.2	614.2	595.8	584.2	575.4	569.0	567.8
12.5°	709.4	705.8	695.8	676.6	654.6	635.8	617.0	602.6	589.8	580.2	579.0
15°	753.1	745.1	729.9	705.0	684.2	669.0	646.2	626.6	606.2	593.4	590.6
17.5°	783.5	776.7	758.7	734.7	718.3	705.0	678.2	650.2	622.6	603.8	599.8
20°	805.1	797.9	777.5	759.9	754.7	743.5	712.3	679.8	647.8	624.6	619.4
22.5°	820.7	813.1	792.3	783.5	790.7	788.7	758.3	721.5	683.4	655.8	649.4
25°	835.5	828.3	809.9	813.1	832.3	838.3	805.5	762.7	719.5	687.0	679.4
27.5°	849.5	840.3	831.9	849.5	876.7	887.9	853.1	804.7	757.9	724.7	718.7
30°	871.1	860.3	859.1	884.7	927.9	937.5	899.1	850.7	804.3	770.7	763.1
32.5°	898.3	888.3	889.1	927.5	977.5	985.5	952.7	907.5	861.1	827.5	817.1
35°	935.1	922.7	929.5	976.7	1027.2	1042.0	1015.6	977.9	932.7	898.3	886.7
37.5°	985.9	967.9	981.9	1031.6	1082.4	1104.4	1084.0	1056.0	1011.2	976.3	965.5
40°	1050.8	1036.0	1041.6	1096.4	1148.8	1175.2	1162.4	1134.8	1090.4	1054.0	1041.6
42.5°	1127.6	1112.8	1110.8	1169.2	1221.6	1261.6	1249.2	1224.0	1178.0	1136.4	1124.4
45°	1202.8	1189.2	1192.0	1251.6	1310.5	1354.1	1341.7	1312.1	1262.0	1214.0	1204.4
47.5°	1281.3	1270.0	1272.4	1335.7	1400.5	1444.1	1428.5	1392.5	1334.1	1282.9	1271.2
50°	1361.7	1348.9	1352.5	1418.9	1488.9	1530.1	1506.1	1452.9	1388.5	1338.5	1328.5
52.5°	1441.7	1426.5	1435.7	1498.5	1571.0	1603.8	1559.3	1494.9	1432.5	1382.9	1371.7
55°	1533.7	1517.7	1507.7	1575.0	1646.6	1660.2	1599.4	1524.1	1450.1	1393.7	1386.9
57.5°	1617.8	1604.2	1585.4	1652.6	1705.4	1695.4	1630.2	1516.1	1407.3	1334.9	1325.3
60°	1693.0	1681.4	1665.0	1722.2	1746.2	1723.8	1605.4	1421.3	1301.7	1226.0	1221.6
62.5°	1762.2	1749.8	1734.6	1783.4	1780.2	1728.2	1492.5	1275.6	1115.6	1034.4	1027.2
65°	1817.0	1805.8	1801.4	1839.8	1834.6	1642.2	1316.9	1037.2	815.1	723.5	720.7
67.5°	1832.6	1828.2	1851.9	1917.1	1835.8	1469.3	1032.8	687.8	437.8	350.9	345.7
70°	1774.2	1773.8	1841.4	1934.7	1669.4	1122.4	609.4	310.1	220.1	195.3	192.1
72.5°	1698.2	1697.0	1750.6	1669.0	1238.0	614.2	256.5	166.1	137.6	130.8	130.8
75°	1573.4	1570.2	1610.6	1269.6	696.2	231.3	136.0	114.0	108.0	106.8	106.8
77.5°	1282.5	1255.6	1192.0	784.7	242.9	113.6	90.0	89.6	86.0	85.6	85.6
80°	421.7	421.7	490.2	299.3	107.2	70.0	63.6	66.8	63.2	60.8	60.4
82.5°	68.8	94.8	134.8	85.6	58.0	43.6	39.2	41.6	43.6	34.8	34.8
85°	27.2	35.6	52.0	40.0	26.8	17.6	18.8	20.8	18.4	16.0	15.6
87.5°	10.4	12.8	18.4	9.6	5.6	3.2	2.0	2.0	1.6	1.6	1.6
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)