

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: P630273

Luminaire Tested: GWS-SA1D-735-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630273
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-SA1D-735-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6156.7 lumens
Efficiency: N/A
Efficacy: 139.0 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

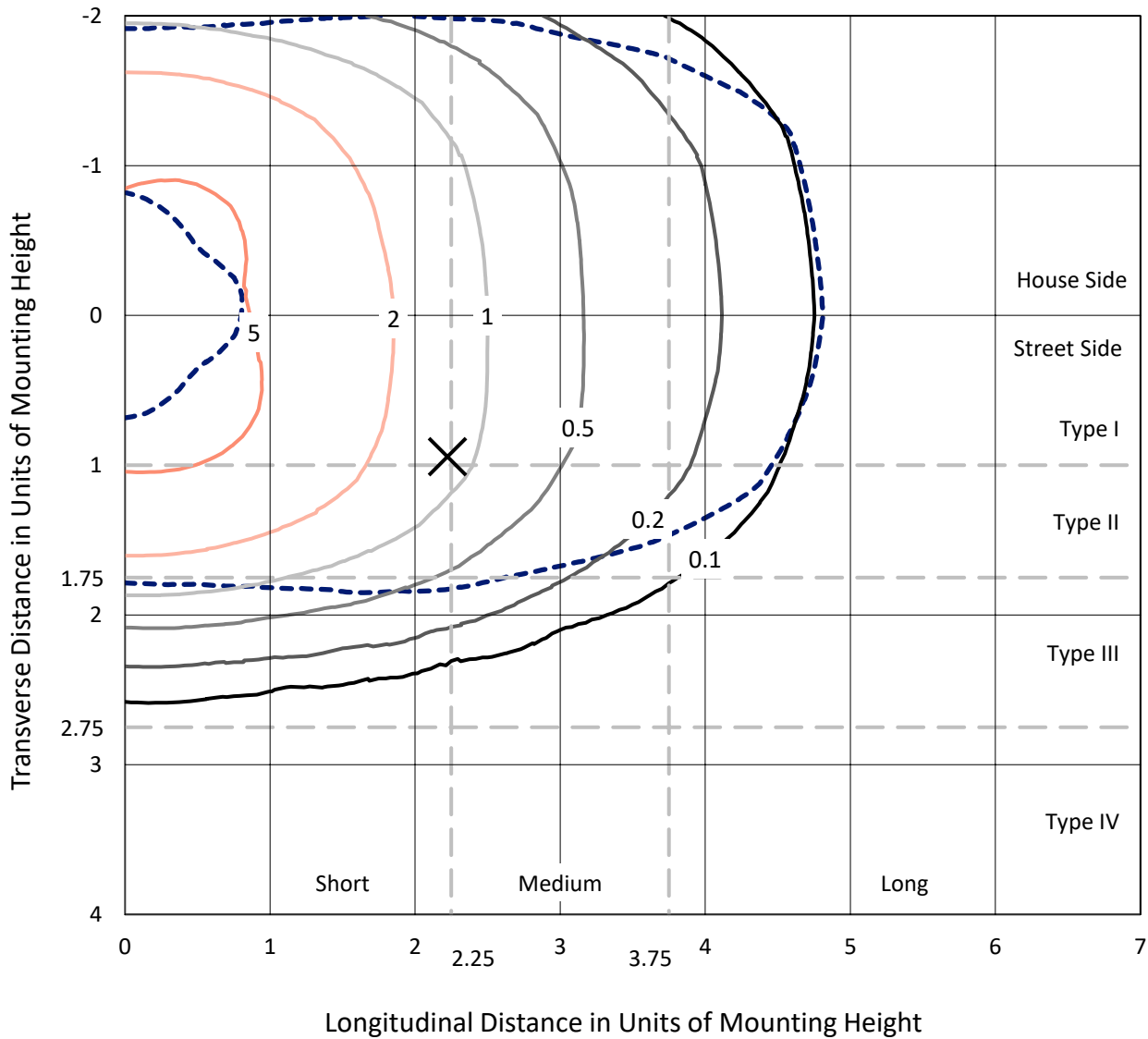
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

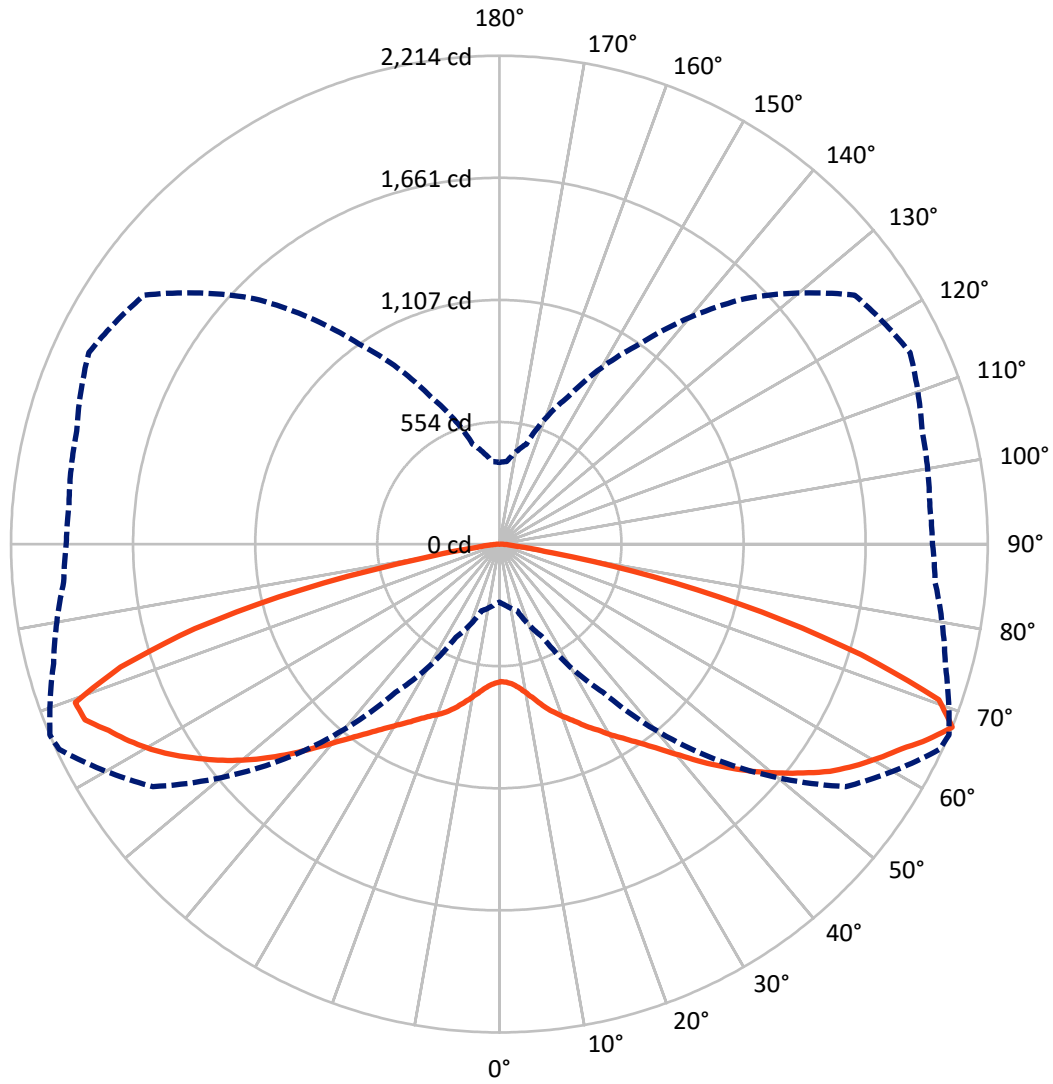
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 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	3044.4	0.0	3044.4
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	3112.3	0.0	3112.3
	% Fixture	50.6	0.0	50.6
Total	Lumens	6156.7	0.0	6156.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.2	1.0
10°-20°	206.6	3.4
20°-30°	405.4	6.6
30°-40°	690.7	11.2
40°-50°	1109.1	18.0
50°-60°	1507.0	24.5
60°-70°	1441.6	23.4
70°-80°	685.4	11.1
80°-90°	49.7	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°	6156.7	100.0
0°-180°	6156.7	100.0

Coefficient of Utilization



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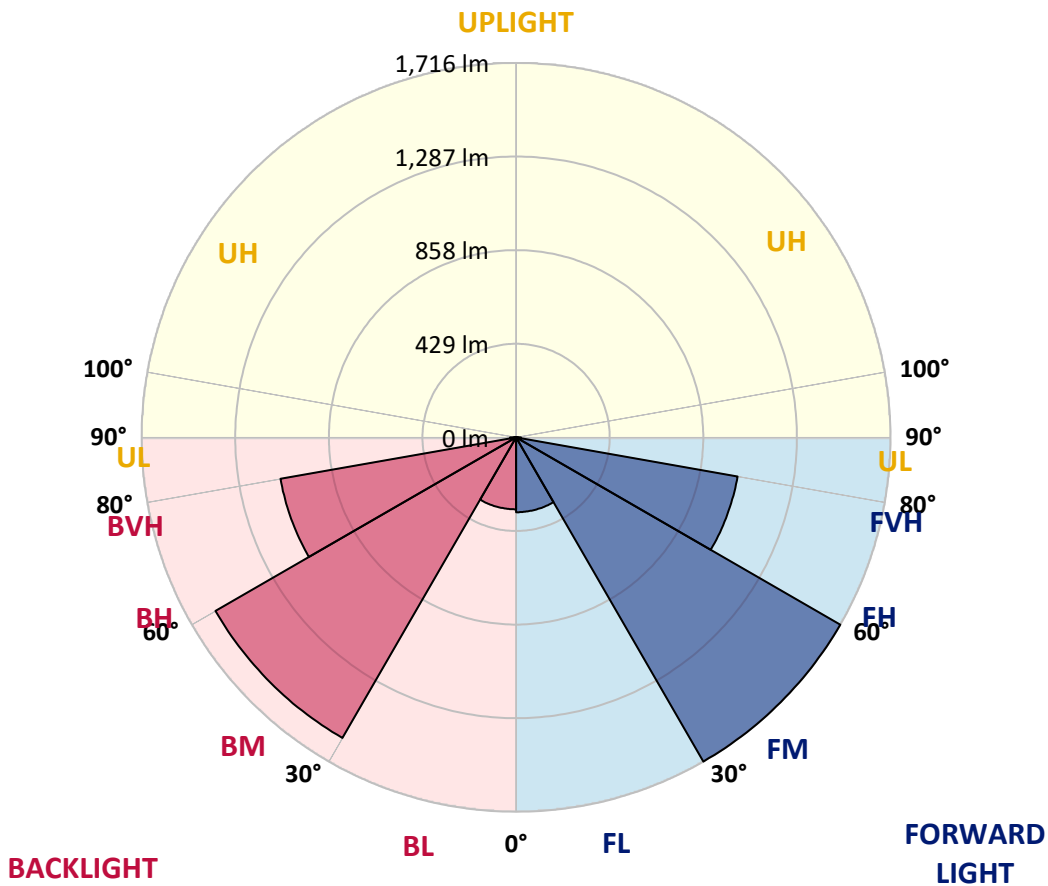
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	343.3	5.6			
FM (30°-60°)	1715.9	27.9			
FH (60°-80°)	1030.8	16.7			G1/1800
FVH (80°-90°)	22.3	0.4			G1/100
BL (0°-30°)	329.9	5.4	B1/500		
BM (30°-60°)	1590.9	25.8	B2/2500		
BH (60°-80°)	1096.2	17.8	B3/2500		G3/2500
BVH (80°-90°)	27.3	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°	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4
2.5°	610.5	611.4	612.7	615.3	617.8	621.7	625.5	625.1	626.8	628.1	629.4
5°	607.1	608.0	610.1	613.5	617.4	623.8	632.0	635.4	638.0	642.7	647.0
7.5°	614.4	616.1	619.1	623.8	629.8	638.0	649.1	655.1	659.0	667.6	674.9
10°	624.3	626.4	632.4	641.4	650.4	662.8	677.0	686.0	688.6	699.7	713.4
12.5°	633.7	636.3	646.1	662.4	678.7	695.4	712.2	723.3	724.2	739.2	754.6
15°	648.7	650.8	664.1	685.1	710.0	733.2	753.7	761.5	764.9	775.6	794.9
17.5°	681.7	684.3	701.4	724.2	750.3	774.7	795.3	801.8	801.8	810.8	826.6
20°	717.3	719.9	742.6	771.7	803.5	828.3	844.2	838.2	836.1	838.6	849.8
22.5°	757.2	761.9	783.8	817.6	856.6	887.1	895.2	877.2	871.2	865.2	867.8
25°	808.2	813.8	835.2	871.2	909.4	941.5	946.2	918.4	914.9	893.9	886.2
27.5°	866.9	871.2	897.8	933.4	969.0	996.0	1001.1	966.8	955.3	926.1	908.1
30°	942.8	946.7	969.8	1005.0	1035.9	1054.7	1061.2	1014.0	1005.0	960.4	932.5
32.5°	1025.6	1027.3	1050.9	1084.7	1112.2	1130.2	1121.2	1066.3	1053.0	1002.8	964.7
35°	1120.3	1120.3	1150.8	1178.2	1200.1	1205.2	1188.1	1125.5	1110.0	1055.6	1008.0
37.5°	1213.4	1215.9	1244.2	1276.8	1296.1	1295.2	1264.0	1195.4	1177.8	1118.6	1065.9
40°	1314.1	1319.7	1348.0	1384.4	1402.9	1400.3	1352.3	1276.0	1257.9	1188.1	1136.6
42.5°	1406.7	1415.7	1448.7	1486.0	1506.2	1504.5	1454.3	1368.6	1351.0	1272.1	1220.6
45°	1480.5	1489.9	1531.1	1582.9	1615.1	1612.1	1561.5	1464.6	1443.2	1360.4	1303.8
47.5°	1545.2	1555.1	1600.9	1655.8	1706.8	1712.0	1665.7	1561.5	1538.8	1455.2	1391.3
50°	1594.9	1599.7	1651.1	1711.1	1770.3	1799.0	1758.7	1658.8	1631.4	1548.6	1476.6
52.5°	1591.1	1597.5	1661.0	1742.4	1821.8	1868.9	1841.0	1750.6	1724.0	1634.0	1563.6
55°	1512.6	1519.1	1594.5	1713.3	1850.5	1919.9	1916.9	1838.0	1818.8	1721.0	1654.1
57.5°	1398.1	1412.3	1487.3	1615.5	1812.7	1960.7	1972.7	1917.8	1897.6	1806.3	1743.7
60°	1193.2	1212.1	1298.7	1465.0	1691.8	1946.9	2032.3	1985.1	1972.7	1885.6	1824.8
62.5°	866.9	880.6	996.0	1214.2	1512.6	1849.2	2082.4	2054.6	2045.1	1956.8	1898.1
65°	519.2	550.5	643.1	858.8	1220.2	1664.8	2055.0	2145.5	2135.6	2030.1	1960.7
67.5°	262.8	277.0	313.4	465.6	820.6	1377.6	1917.4	2202.1	2214.1	2092.7	1983.0
70°	162.9	166.8	177.1	229.8	409.9	905.1	1567.9	2054.6	2113.3	2082.9	1925.1
72.5°	130.8	131.6	133.3	143.2	196.8	423.2	991.3	1609.1	1715.0	1945.2	1842.3
75°	108.5	108.9	109.3	112.3	122.6	172.8	482.3	1105.7	1229.7	1653.3	1708.1
77.5°	87.0	84.9	86.6	87.9	90.5	96.5	166.4	590.0	715.6	1085.2	1321.0
80°	56.6	55.7	59.2	60.5	63.0	66.9	88.8	200.2	243.1	394.9	420.2
82.5°	30.4	28.7	36.0	34.7	36.0	39.0	52.3	73.3	82.3	119.2	100.8
85°	9.4	9.4	9.9	11.6	14.1	13.7	22.7	36.0	39.9	51.0	37.7
87.5°	1.7	1.7	1.7	1.7	1.7	2.1	4.7	7.3	9.9	17.6	13.3
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°	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4
2.5°	632.0	628.1	630.3	631.5	631.1	630.3	626.0	625.1	623.0	619.5	618.7
5°	650.8	646.6	647.0	645.7	641.4	635.8	626.4	621.7	617.8	613.5	613.1
7.5°	680.4	675.7	674.4	668.4	656.4	643.6	628.5	620.0	613.5	608.0	607.1
10°	718.2	713.4	709.1	695.0	675.3	658.1	638.4	626.0	616.5	609.7	608.4
12.5°	760.2	756.3	745.6	725.0	701.4	681.3	661.1	645.7	632.0	621.7	620.4
15°	806.9	798.3	782.0	755.5	733.2	716.9	692.4	671.4	649.6	635.8	632.8
17.5°	839.5	832.2	812.9	787.2	769.6	755.5	726.7	696.7	667.1	647.0	642.7
20°	862.6	854.9	833.1	814.2	808.6	796.6	763.2	728.4	694.1	669.3	663.7
22.5°	879.4	871.2	848.9	839.5	847.2	845.1	812.5	773.0	732.3	702.7	695.9
25°	895.2	887.5	867.8	871.2	891.8	898.2	863.1	817.2	770.9	736.2	728.0
27.5°	910.2	900.4	891.4	910.2	939.4	951.4	914.1	862.2	812.0	776.5	770.0
30°	933.4	921.8	920.5	948.0	994.3	1004.6	963.4	911.5	861.8	825.8	817.6
32.5°	962.5	951.8	952.7	993.8	1047.4	1056.0	1020.8	972.4	922.7	886.7	875.5
35°	1002.0	988.7	996.0	1046.6	1100.6	1116.5	1088.2	1047.9	999.4	962.5	950.1
37.5°	1056.4	1037.1	1052.1	1105.3	1159.8	1183.3	1161.5	1131.5	1083.4	1046.1	1034.6
40°	1125.9	1110.0	1116.0	1174.8	1230.9	1259.2	1245.5	1215.9	1168.3	1129.3	1116.0
42.5°	1208.2	1192.3	1190.2	1252.8	1309.0	1351.8	1338.6	1311.5	1262.2	1217.6	1204.8
45°	1288.8	1274.2	1277.2	1341.1	1404.2	1450.9	1437.6	1405.9	1352.3	1300.8	1290.5
47.5°	1372.9	1360.8	1363.4	1431.2	1500.6	1547.4	1530.6	1492.0	1429.4	1374.6	1362.1
50°	1459.0	1445.3	1449.2	1520.3	1595.4	1639.5	1613.8	1556.8	1487.8	1434.2	1423.4
52.5°	1544.8	1528.5	1538.3	1605.7	1683.3	1718.4	1670.8	1601.8	1534.9	1481.8	1469.7
55°	1643.4	1626.2	1615.5	1687.6	1764.3	1778.9	1713.7	1633.1	1553.8	1493.3	1486.0
57.5°	1733.4	1718.9	1698.7	1770.7	1827.3	1816.6	1746.7	1624.5	1507.9	1430.3	1420.0
60°	1814.0	1801.6	1784.0	1845.3	1871.1	1847.0	1720.1	1522.9	1394.7	1313.7	1309.0
62.5°	1888.2	1874.9	1858.6	1910.9	1907.5	1851.8	1599.2	1366.8	1195.4	1108.3	1100.6
65°	1946.9	1934.9	1930.2	1971.4	1965.8	1759.6	1411.0	1111.3	873.4	775.2	772.2
67.5°	1963.7	1959.0	1984.2	2054.1	1967.1	1574.4	1106.6	737.0	469.1	376.0	370.4
70°	1901.1	1900.6	1973.1	2073.0	1788.7	1202.6	653.0	332.3	235.8	209.2	205.8
72.5°	1819.6	1818.3	1875.8	1788.3	1326.5	658.1	274.8	177.9	147.5	140.2	140.2
75°	1685.8	1682.4	1725.7	1360.4	746.0	247.8	145.8	122.2	115.8	114.5	114.5
77.5°	1374.1	1345.4	1277.2	840.8	260.3	121.8	96.5	96.0	92.2	91.8	91.8
80°	451.9	451.9	525.2	320.7	114.9	75.0	68.2	71.6	67.7	65.2	64.7
82.5°	73.7	101.6	144.5	91.8	62.2	46.7	42.0	44.6	46.7	37.3	37.3
85°	29.2	38.2	55.7	42.9	28.7	18.9	20.2	22.3	19.7	17.1	16.7
87.5°	11.1	13.7	19.7	10.3	6.0	3.4	2.1	2.1	1.7	1.7	1.7
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)