

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: P630383

Luminaire Tested: GWS-SA1D-750-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630383
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-750-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6385.3 lumens
Efficiency: N/A
Efficacy: 144.1 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

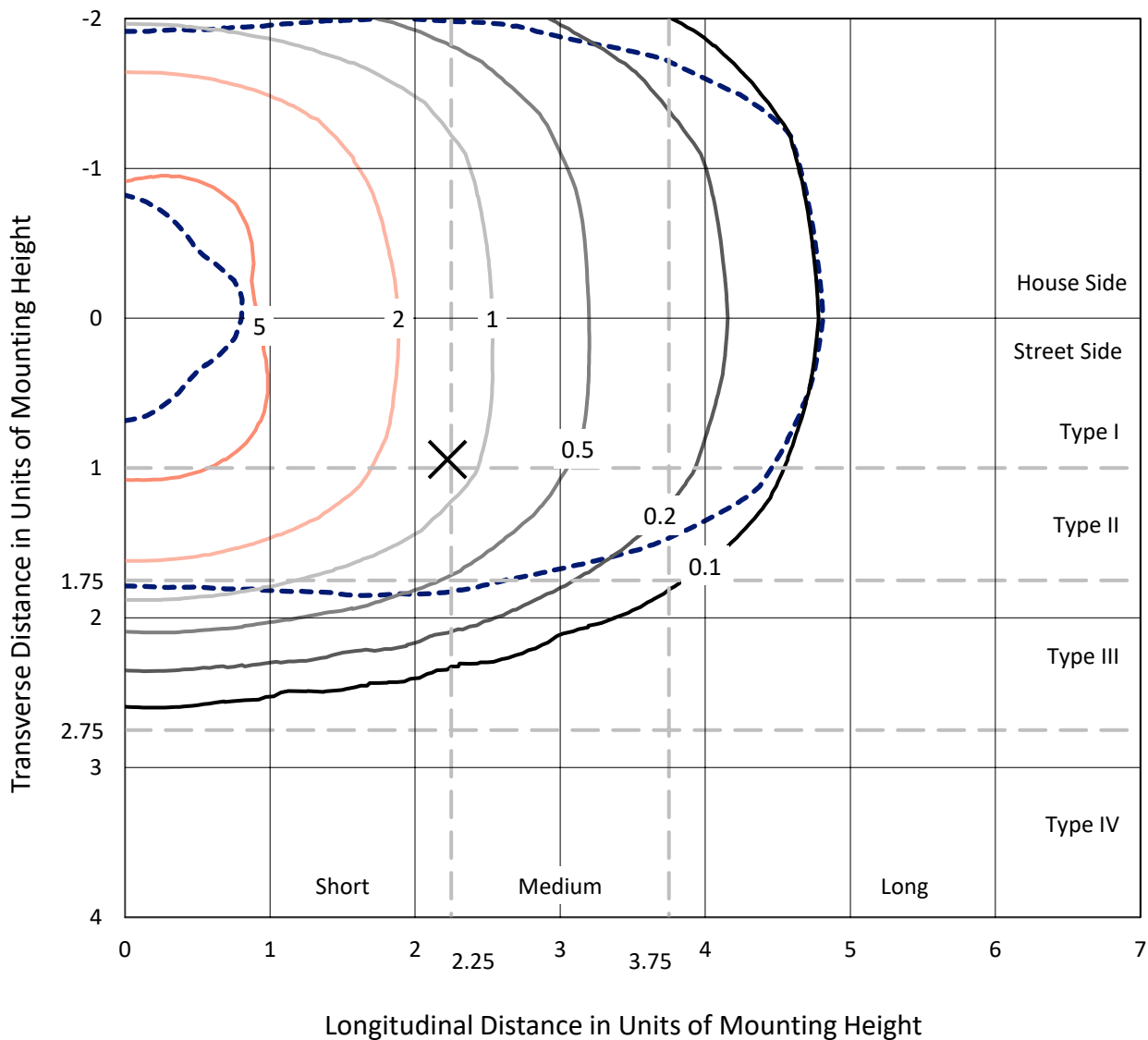
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

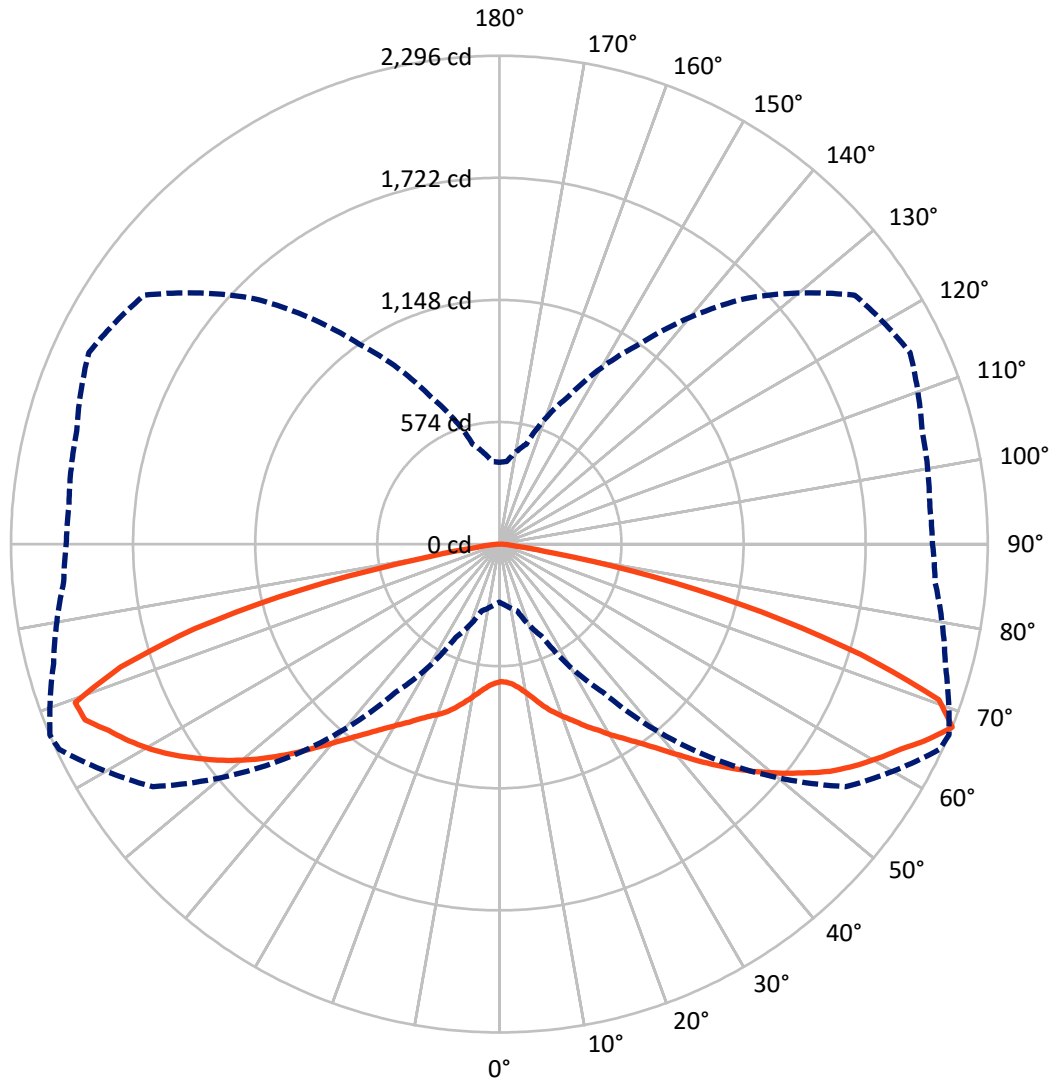
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 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	3157.4	0.0	3157.4
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	3227.9	0.0	3227.9
	% Fixture	50.6	0.0	50.6
Total	Lumens	6385.3	0.0	6385.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	1.0
10°-20°	214.3	3.4
20°-30°	420.5	6.6
30°-40°	716.3	11.2
40°-50°	1150.3	18.0
50°-60°	1563.0	24.5
60°-70°	1495.1	23.4
70°-80°	710.8	11.1
80°-90°	51.5	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°	6385.3	100.0
0°-180°	6385.3	100.0

Coefficient of Utilization



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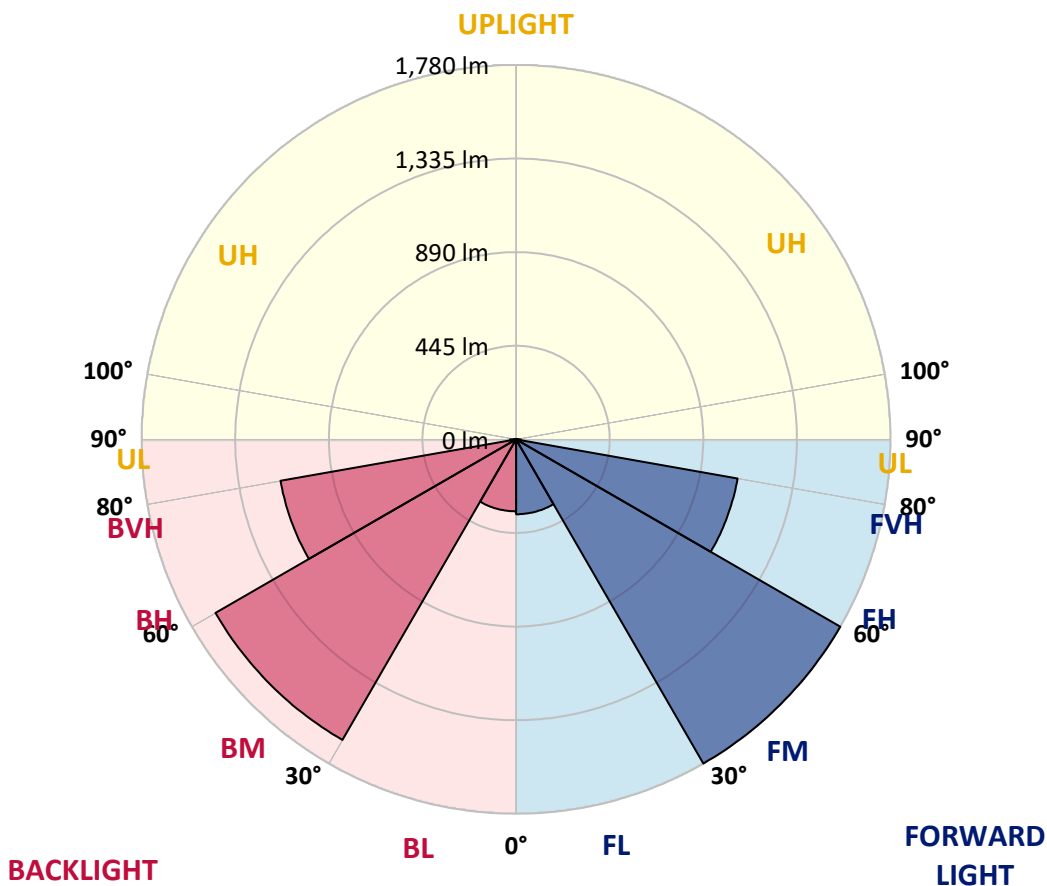
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	356.0	5.6			
FM (30°-60°)	1779.6	27.9			
FH (60°-80°)	1069.1	16.7			G1/1800
FVH (80°-90°)	23.2	0.4			G1/100
BL (0°-30°)	342.2	5.4	B1/500		
BM (30°-60°)	1650.0	25.8	B2/2500		
BH (60°-80°)	1136.9	17.8	B3/2500		G3/2500
BVH (80°-90°)	28.4	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°	646.5	646.5	646.5	646.5	646.5	646.5	646.5	646.5	646.5	646.5	646.5
2.5°	633.2	634.1	635.4	638.1	640.8	644.8	648.8	648.3	650.1	651.4	652.8
5°	629.6	630.5	632.8	636.3	640.3	647.0	655.4	659.0	661.7	666.6	671.0
7.5°	637.2	639.0	642.1	647.0	653.2	661.7	673.2	679.5	683.5	692.3	699.9
10°	647.4	649.7	655.9	665.2	674.6	687.5	702.1	711.5	714.1	725.7	739.9
12.5°	657.2	659.9	670.1	687.0	703.9	721.3	738.6	750.2	751.0	766.6	782.6
15°	672.8	675.0	688.8	710.6	736.4	760.4	781.7	789.7	793.3	804.4	824.4
17.5°	707.0	709.7	727.5	751.0	778.2	803.5	824.9	831.5	831.5	840.9	857.3
20°	743.9	746.6	770.2	800.4	833.3	859.1	875.6	869.3	867.1	869.8	881.3
22.5°	785.3	790.2	812.9	848.0	888.4	920.0	928.5	909.8	903.6	897.3	900.0
25°	838.2	844.0	866.2	903.6	943.1	976.5	981.4	952.5	948.9	927.1	919.1
27.5°	899.1	903.6	931.1	968.0	1004.9	1033.0	1038.3	1002.7	990.7	960.5	941.8
30°	977.8	981.8	1005.8	1042.3	1074.3	1093.9	1100.6	1051.6	1042.3	996.1	967.2
32.5°	1063.6	1065.4	1089.9	1125.0	1153.5	1172.1	1162.8	1105.9	1092.1	1040.1	1000.5
35°	1161.9	1161.9	1193.5	1221.9	1244.6	1250.0	1232.2	1167.3	1151.2	1094.8	1045.4
37.5°	1258.4	1261.1	1290.4	1324.2	1344.2	1343.3	1310.9	1239.7	1221.5	1160.1	1105.4
40°	1362.9	1368.7	1398.0	1435.8	1455.0	1452.3	1402.5	1323.3	1304.7	1232.2	1178.8
42.5°	1459.0	1468.3	1502.5	1541.2	1562.1	1560.3	1508.3	1419.4	1401.1	1319.3	1266.0
45°	1535.4	1545.2	1587.9	1641.7	1675.1	1672.0	1619.5	1519.0	1496.8	1410.9	1352.2
47.5°	1602.6	1612.8	1660.4	1717.3	1770.2	1775.6	1727.5	1619.5	1595.9	1509.2	1442.9
50°	1654.2	1659.1	1712.4	1774.7	1836.0	1865.8	1824.0	1720.4	1692.0	1606.1	1531.4
52.5°	1650.2	1656.8	1722.6	1807.1	1889.4	1938.3	1909.4	1815.6	1788.0	1694.6	1621.7
55°	1568.8	1575.5	1653.7	1776.9	1919.2	1991.2	1988.1	1906.3	1886.3	1784.9	1715.5
57.5°	1450.1	1464.7	1542.6	1675.5	1880.1	2033.5	2045.9	1989.0	1968.1	1873.4	1808.5
60°	1237.5	1257.1	1346.9	1519.4	1754.7	2019.2	2107.7	2058.8	2045.9	1955.6	1892.5
62.5°	899.1	913.3	1033.0	1259.3	1568.8	1917.9	2159.8	2130.8	2121.1	2029.5	1968.5
65°	538.5	571.0	667.0	890.7	1265.5	1726.6	2131.3	2225.1	2214.9	2105.5	2033.5
67.5°	272.6	287.3	325.1	482.9	851.1	1428.7	1988.6	2283.8	2296.3	2170.4	2056.6
70°	169.0	173.0	183.6	238.3	425.1	938.7	1626.2	2130.8	2191.8	2160.2	1996.6
72.5°	135.6	136.5	138.3	148.5	204.1	438.9	1028.1	1668.8	1778.7	2017.5	1910.7
75°	112.5	112.9	113.4	116.5	127.2	179.2	500.3	1146.8	1275.3	1714.6	1771.6
77.5°	90.3	88.0	89.8	91.2	93.8	100.1	172.5	611.9	742.2	1125.5	1370.0
80°	58.7	57.8	61.4	62.7	65.4	69.4	92.0	207.7	252.1	409.5	435.8
82.5°	31.6	29.8	37.4	36.0	37.4	40.5	54.2	76.0	85.4	123.6	104.5
85°	9.8	9.8	10.2	12.0	14.7	14.2	23.6	37.4	41.4	52.9	39.1
87.5°	1.8	1.8	1.8	1.8	1.8	2.2	4.9	7.6	10.2	18.2	13.8
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°	646.5	646.5	646.5	646.5	646.5	646.5	646.5	646.5	646.5	646.5	646.5
2.5°	655.4	651.4	653.7	655.0	654.6	653.7	649.2	648.3	646.1	642.5	641.7
5°	675.0	670.6	671.0	669.7	665.2	659.4	649.7	644.8	640.8	636.3	635.9
7.5°	705.7	700.8	699.5	693.2	680.8	667.4	651.9	643.0	636.3	630.5	629.6
10°	744.8	739.9	735.5	720.8	700.4	682.6	662.1	649.2	639.4	632.3	631.0
12.5°	788.4	784.4	773.3	751.9	727.5	706.6	685.7	669.7	655.4	644.8	643.4
15°	836.9	828.0	811.1	783.5	760.4	743.5	718.1	696.4	673.7	659.4	656.3
17.5°	870.7	863.1	843.1	816.4	798.2	783.5	753.7	722.6	691.9	671.0	666.6
20°	894.7	886.7	864.0	844.4	838.6	826.2	791.5	755.5	719.9	694.1	688.3
22.5°	912.0	903.6	880.4	870.7	878.7	876.4	842.6	801.7	759.5	728.8	721.7
25°	928.5	920.5	900.0	903.6	924.9	931.6	895.1	847.5	799.5	763.5	755.0
27.5°	944.0	933.8	924.5	944.0	974.3	986.7	948.0	894.2	842.2	805.3	798.6
30°	968.0	956.0	954.7	983.2	1031.2	1041.9	999.2	945.4	893.8	856.4	848.0
32.5°	998.3	987.2	988.1	1030.7	1086.3	1095.2	1058.8	1008.5	956.9	919.6	908.0
35°	1039.2	1025.4	1033.0	1085.4	1141.5	1157.9	1128.6	1086.8	1036.5	998.3	985.4
37.5°	1095.7	1075.7	1091.2	1146.4	1202.8	1227.3	1204.6	1173.5	1123.7	1085.0	1073.0
40°	1167.7	1151.2	1157.5	1218.4	1276.6	1306.0	1291.8	1261.1	1211.7	1171.3	1157.5
42.5°	1253.1	1236.6	1234.4	1299.3	1357.6	1402.0	1388.3	1360.2	1309.1	1262.9	1249.5
45°	1336.7	1321.6	1324.7	1390.9	1456.3	1504.8	1491.0	1458.1	1402.5	1349.1	1338.5
47.5°	1423.8	1411.4	1414.0	1484.3	1556.3	1604.8	1587.5	1547.4	1482.5	1425.6	1412.7
50°	1513.2	1499.0	1503.0	1576.8	1654.6	1700.4	1673.7	1614.6	1543.0	1487.4	1476.3
52.5°	1602.1	1585.2	1595.5	1665.3	1745.8	1782.2	1732.9	1661.3	1591.9	1536.8	1524.3
55°	1704.4	1686.6	1675.5	1750.2	1829.8	1844.9	1777.3	1693.7	1611.5	1548.8	1541.2
57.5°	1797.8	1782.7	1761.8	1836.5	1895.2	1884.1	1811.6	1684.8	1563.9	1483.4	1472.7
60°	1881.4	1868.5	1850.3	1913.9	1940.5	1915.6	1784.0	1579.5	1446.5	1362.5	1357.6
62.5°	1958.3	1944.5	1927.6	1981.9	1978.3	1920.5	1658.6	1417.6	1239.7	1149.5	1141.5
65°	2019.2	2006.8	2001.9	2044.6	2038.8	1824.9	1463.4	1152.6	905.8	804.0	800.8
67.5°	2036.6	2031.7	2057.9	2130.4	2040.1	1632.8	1147.7	764.4	486.5	390.0	384.2
70°	1971.7	1971.2	2046.4	2150.0	1855.2	1247.3	677.2	344.6	244.6	217.0	213.4
72.5°	1887.2	1885.8	1945.4	1854.7	1375.8	682.6	285.0	184.5	153.0	145.4	145.4
75°	1748.4	1744.9	1789.8	1410.9	773.7	257.0	151.2	126.7	120.1	118.7	118.7
77.5°	1425.2	1395.4	1324.7	872.0	269.9	126.3	100.1	99.6	95.6	95.2	95.2
80°	468.7	468.7	544.7	332.6	119.2	77.8	70.7	74.3	70.3	67.6	67.1
82.5°	76.5	105.4	149.9	95.2	64.5	48.5	43.6	46.2	48.5	38.7	38.7
85°	30.2	39.6	57.8	44.5	29.8	19.6	20.9	23.1	20.5	17.8	17.3
87.5°	11.6	14.2	20.5	10.7	6.2	3.6	2.2	2.2	1.8	1.8	1.8
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)