

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: P631927

Luminaire Tested: GWS-SA2B-760-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-760-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6842.1 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

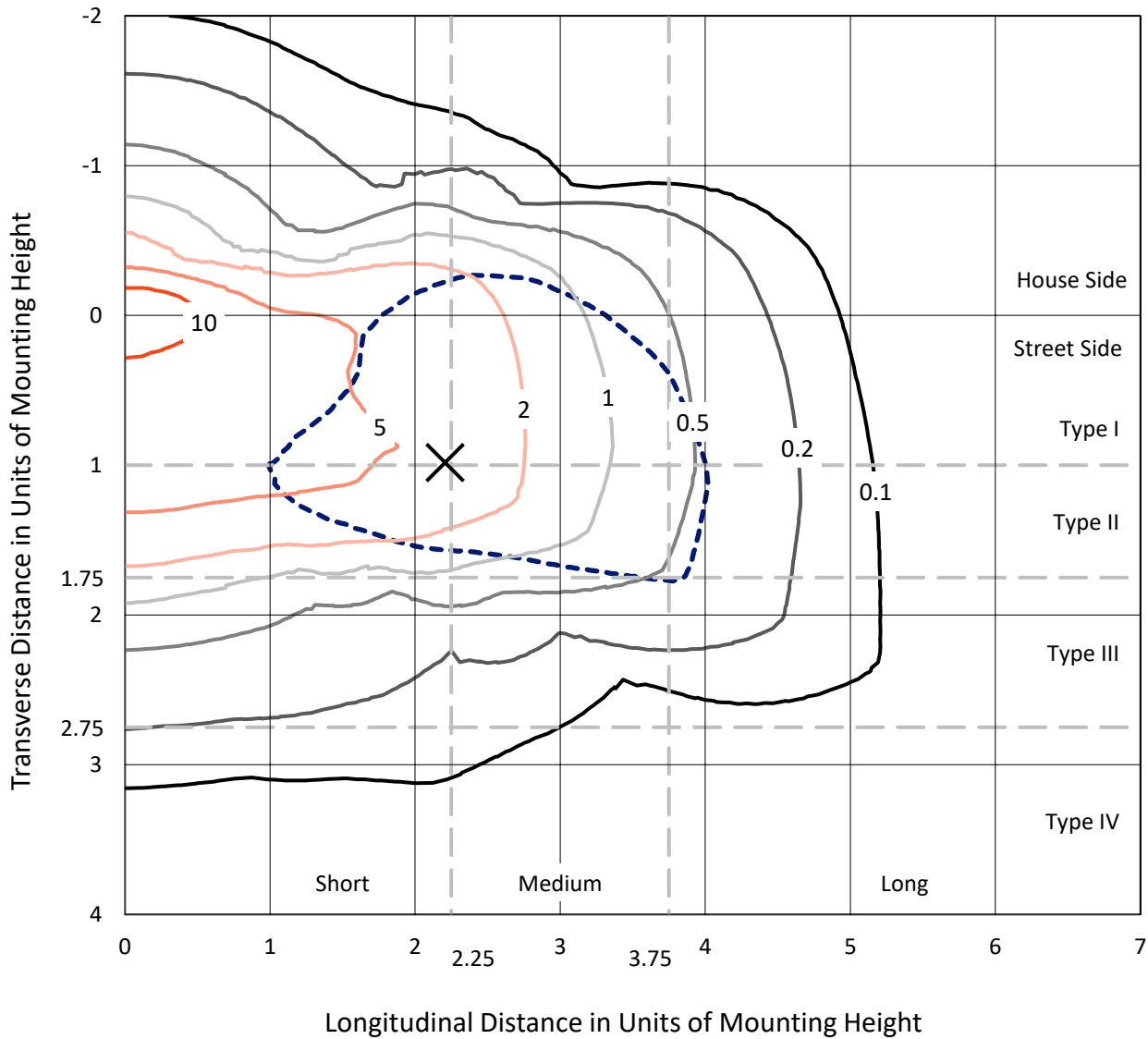
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631927
 CATALOG NUMBER: GWS-SA2B-760-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination

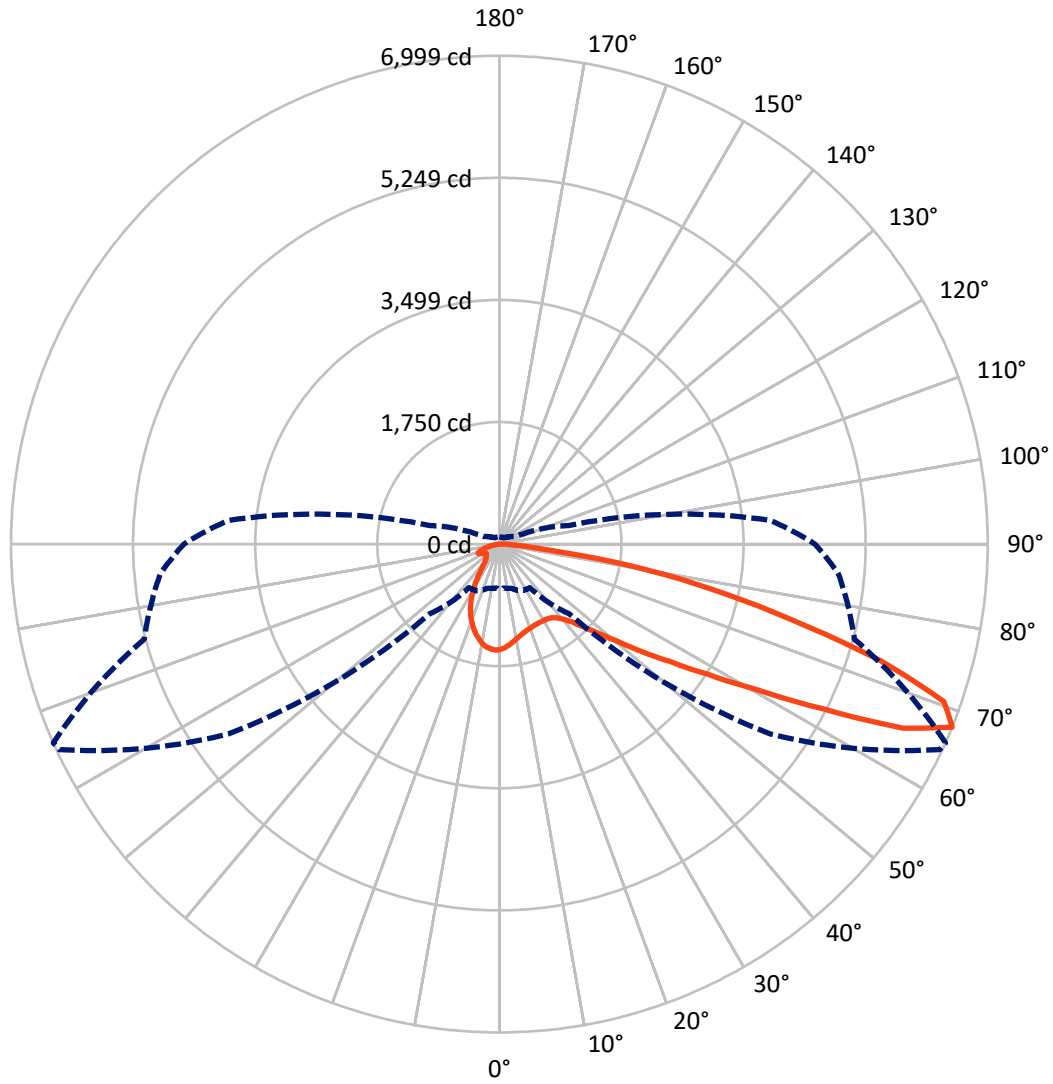
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 fc
 Type II - Short - N/A

REPORT NUMBER: P631927
CATALOG NUMBER: GWS-SA2B-760-U-SL2-W

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P631927

CATALOG NUMBER: GWS-SA2B-760-U-SL2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1388.4	0.0	1388.4
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	5453.7	0.0	5453.7
	% Fixture	79.7	0.0	79.7
Total	Lumens	6842.1	0.0	6842.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	1.9
10°-20°	326.1	4.8
20°-30°	448.2	6.6
30°-40°	612.8	9.0
40°-50°	928.6	13.6
50°-60°	1443.5	21.1
60°-70°	1757.4	25.7
70°-80°	1070.5	15.6
80°-90°	122.3	1.8
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°	6842.1	100.0
0°-180°	6842.1	100.0

Coefficient of Utilization



REPORT NUMBER: P631927

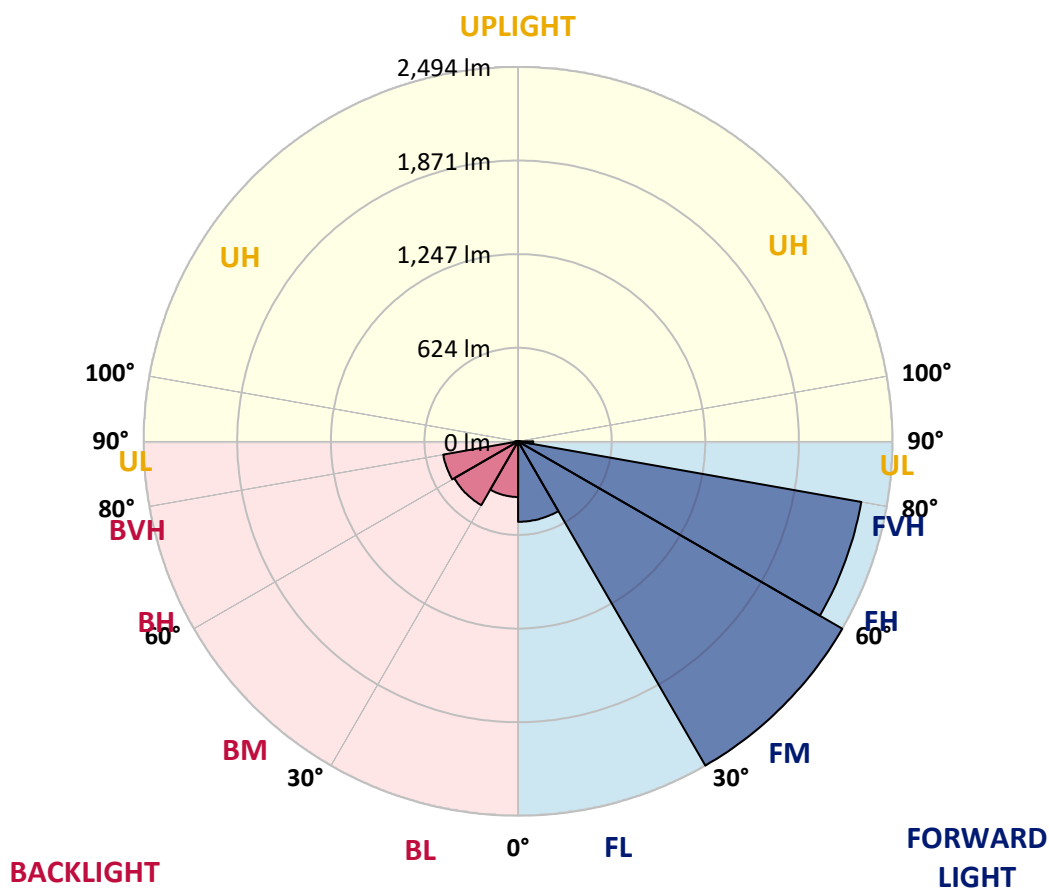
CATALOG NUMBER: GWS-SA2B-760-U-SL2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.1	7.8			
FM (30°-60°)	2494.2	36.5			
FH (60°-80°)	2321.7	33.9			G2/5000
FVH (80°-90°)	101.7	1.5			G2/225
BL (0°-30°)	370.9	5.4	B1/500		
BM (30°-60°)	490.6	7.2	B1/1000		
BH (60°-80°)	506.2	7.4	B2/1000		G2/1000
BVH (80°-90°)	20.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P631927
 CATALOG NUMBER: GWS-SA2B-760-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9
2.5°	1416.1	1421.1	1418.1	1437.0	1438.0	1462.0	1475.5	1487.0	1488.0	1502.9	1512.9
5°	1319.2	1322.2	1322.2	1340.2	1352.2	1384.1	1415.1	1448.0	1450.5	1486.5	1513.9
7.5°	1240.9	1243.9	1241.9	1265.8	1281.3	1316.7	1356.2	1406.6	1411.6	1469.5	1517.4
10°	1179.5	1178.5	1183.5	1205.4	1225.4	1267.8	1311.8	1369.2	1376.6	1450.0	1521.4
12.5°	1137.6	1138.5	1141.5	1164.5	1186.0	1227.9	1273.3	1335.7	1343.7	1427.6	1519.4
15°	1117.6	1115.6	1118.1	1139.0	1159.5	1196.5	1243.4	1307.8	1315.7	1407.6	1519.9
17.5°	1113.1	1111.6	1111.1	1126.1	1141.5	1176.0	1220.9	1286.3	1294.8	1394.6	1522.9
20°	1127.1	1125.1	1119.6	1126.1	1132.6	1161.5	1204.9	1270.8	1280.3	1386.1	1528.9
22.5°	1165.5	1162.0	1153.5	1145.5	1137.1	1154.5	1195.0	1259.3	1268.8	1380.6	1534.9
25°	1223.9	1220.9	1211.9	1194.0	1163.0	1160.0	1193.0	1254.4	1263.8	1376.6	1537.4
27.5°	1304.3	1299.8	1290.8	1264.8	1214.4	1180.5	1200.4	1253.9	1262.8	1372.1	1534.9
30°	1399.6	1396.6	1391.6	1360.2	1292.8	1223.9	1217.4	1257.8	1264.8	1369.7	1529.9
32.5°	1496.4	1493.4	1497.4	1482.5	1399.6	1295.8	1254.4	1268.8	1273.8	1369.2	1525.4
35°	1581.8	1585.3	1614.2	1616.7	1535.4	1393.1	1312.8	1294.3	1295.3	1379.1	1527.4
37.5°	1671.1	1684.6	1722.5	1755.0	1687.1	1521.9	1399.6	1342.2	1341.2	1404.6	1539.9
40°	1789.4	1795.4	1843.8	1904.7	1862.3	1698.6	1522.9	1420.6	1413.6	1456.5	1573.3
42.5°	1904.7	1919.2	1996.6	2066.5	2052.5	1897.7	1678.1	1537.9	1525.4	1548.3	1642.2
45°	2051.5	2065.5	2152.3	2242.2	2267.6	2122.9	1876.8	1704.6	1692.1	1686.6	1768.5
47.5°	2198.2	2212.7	2290.6	2420.4	2509.7	2404.4	2135.3	1924.7	1904.2	1882.8	1959.1
50°	2297.1	2314.0	2388.4	2544.1	2753.8	2755.8	2441.8	2213.2	2187.3	2153.3	2227.7
52.5°	2293.6	2304.6	2375.4	2555.1	2929.5	3159.6	2852.1	2580.6	2559.6	2485.7	2550.6
55°	2113.4	2129.9	2201.2	2425.8	2948.4	3542.4	3455.1	3013.8	2976.4	2844.1	2915.5
57.5°	1751.5	1765.5	1837.4	2114.4	2780.2	3738.6	4220.8	3565.9	3514.5	3234.5	3316.8
60°	1322.2	1305.3	1339.2	1581.8	2377.9	3743.6	4896.6	4314.6	4228.8	3651.7	3720.6
62.5°	992.3	975.3	982.8	1051.2	1612.2	3441.1	5282.0	5338.9	5197.1	4122.9	4109.5
65°	784.2	774.7	796.1	843.1	939.9	2620.5	5284.9	6446.5	6357.1	4669.0	4508.3
67.5°	638.9	632.9	654.9	741.7	762.2	1408.1	4738.9	6963.6	6998.5	5267.0	4878.1
70°	514.6	505.6	540.1	654.4	708.8	852.0	3394.7	6700.0	6756.4	5623.4	4773.8
72.5°	355.4	355.9	373.4	530.1	684.3	735.7	1920.2	5578.9	5701.2	5300.4	4196.8
75°	239.6	241.6	246.6	349.9	630.4	713.8	1023.2	4223.8	4310.1	4381.0	3469.1
77.5°	144.8	145.8	157.2	211.6	434.8	666.4	693.3	3061.8	3129.6	2888.1	2150.3
80°	83.9	87.4	97.8	141.8	293.5	500.6	536.6	1877.3	1954.2	1283.8	683.3
82.5°	36.9	39.4	53.4	82.4	171.2	425.8	418.8	741.7	730.7	357.9	237.1
85°	6.5	8.0	11.5	26.0	62.9	224.6	324.9	327.4	308.0	135.8	98.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	48.9	87.8	87.4	38.4	33.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631927
 CATALOG NUMBER: GWS-SA2B-760-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9	1511.9
2.5°	1519.4	1505.9	1517.9	1519.4	1516.9	1514.9	1499.9	1487.0	1485.5	1471.5	1471.5
5°	1524.9	1512.4	1518.4	1506.9	1488.9	1470.5	1438.5	1416.6	1406.6	1388.6	1388.6
7.5°	1532.4	1519.4	1512.4	1484.0	1442.0	1401.6	1350.2	1307.3	1289.8	1264.3	1263.3
10°	1539.4	1522.9	1498.9	1443.5	1376.6	1312.3	1237.4	1176.5	1135.1	1104.6	1104.6
12.5°	1538.9	1517.4	1470.0	1388.1	1295.8	1202.4	1102.6	1010.8	955.9	908.4	905.4
15°	1537.9	1508.4	1433.0	1323.7	1201.4	1072.2	936.4	816.6	735.2	688.8	684.8
17.5°	1536.9	1496.9	1391.6	1250.4	1086.6	910.4	731.2	601.5	533.6	505.1	506.1
20°	1536.9	1484.0	1347.2	1166.0	954.4	716.8	536.6	442.2	425.3	426.8	428.3
22.5°	1532.4	1468.0	1297.8	1074.2	807.1	527.1	395.8	363.9	372.9	386.8	388.8
25°	1521.9	1441.5	1240.4	972.3	631.9	383.8	322.9	317.0	333.4	350.9	355.9
27.5°	1505.4	1411.1	1176.0	853.0	465.2	308.5	284.0	283.5	296.5	309.5	314.0
30°	1488.0	1377.1	1108.1	720.3	336.9	268.5	259.1	259.1	265.5	273.5	272.5
32.5°	1467.5	1342.7	1035.2	582.0	274.5	246.1	243.1	241.6	242.6	245.6	245.6
35°	1450.0	1312.3	960.4	435.8	246.1	233.6	230.6	227.1	225.6	223.6	224.6
37.5°	1443.5	1288.3	883.0	328.4	232.1	224.6	219.6	214.6	211.1	210.1	209.6
40°	1454.0	1278.3	805.6	270.5	222.1	215.1	209.6	203.2	200.2	200.2	200.2
42.5°	1494.9	1285.8	726.8	244.6	215.1	207.1	199.2	193.2	192.2	193.2	193.7
45°	1569.8	1314.7	644.9	231.6	209.1	199.2	189.7	185.2	185.2	186.2	186.2
47.5°	1703.6	1390.6	564.0	223.6	203.2	192.7	182.7	178.2	177.7	178.7	178.7
50°	1935.2	1527.4	491.2	218.1	198.7	187.7	177.7	171.7	170.2	169.7	169.7
52.5°	2227.2	1764.5	444.7	214.1	193.2	182.2	172.2	164.2	161.2	159.7	159.7
55°	2580.1	2080.4	444.7	211.1	186.2	175.7	164.2	156.2	151.7	149.7	149.7
57.5°	2979.9	2448.3	521.6	208.6	180.7	168.2	155.7	147.7	142.8	139.8	139.8
60°	3386.7	2837.1	711.8	205.1	175.7	158.7	146.2	138.8	132.3	128.8	128.3
62.5°	3808.5	3265.4	962.4	207.1	172.2	149.7	136.3	127.8	122.3	118.8	118.3
65°	4194.8	3673.2	1181.5	222.6	172.7	141.8	124.8	117.3	112.8	108.3	107.8
67.5°	4522.8	3898.3	1027.7	254.1	183.2	132.3	113.3	105.8	101.8	98.8	98.3
70°	4293.1	3554.9	583.0	273.5	197.7	122.3	100.3	95.3	91.3	89.3	88.8
72.5°	3671.2	3009.8	389.8	241.6	180.2	109.3	88.3	84.4	81.4	78.9	78.4
75°	2973.9	2386.9	298.0	198.2	140.3	88.8	75.9	72.9	69.9	67.4	66.9
77.5°	1759.5	1379.1	219.6	156.7	98.8	69.4	62.9	60.4	57.4	55.4	54.9
80°	561.5	479.2	139.3	107.8	65.4	53.4	48.4	46.4	43.4	40.9	40.4
82.5°	214.1	185.2	73.9	54.9	43.4	36.4	32.4	30.4	28.5	26.0	25.5
85°	94.8	88.8	40.9	29.4	23.5	18.0	16.0	15.0	12.5	10.5	10.0
87.5°	33.4	33.4	17.5	8.5	5.0	2.5	1.5	0.5	0.0	0.0	0.0
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)