

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: P631872

Luminaire Tested: GWS-SA2B-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631872
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-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6937.1 lumens
Efficiency: N/A
Efficacy: 149.5 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

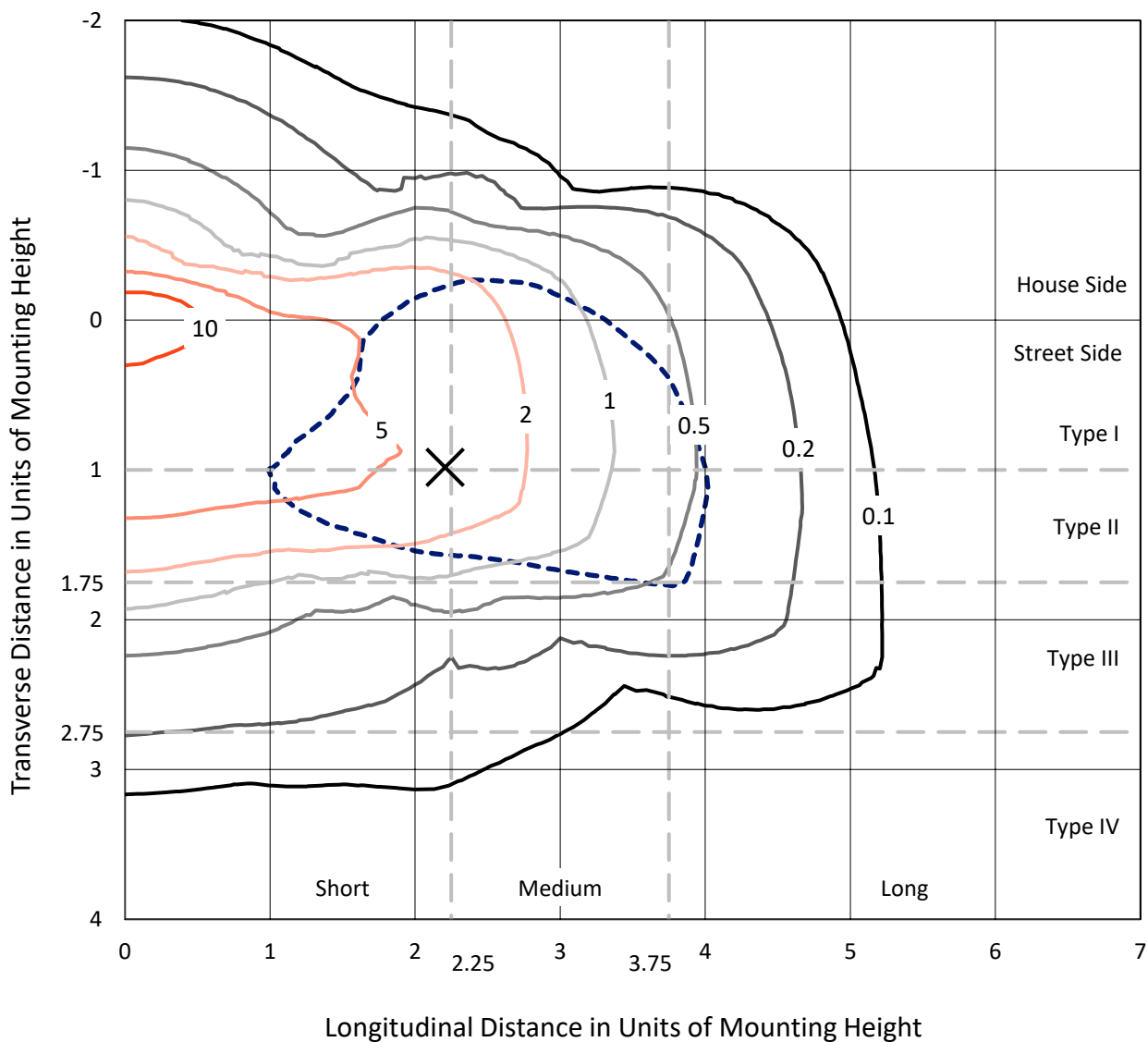


REPORT NUMBER: P631872

CATALOG NUMBER: GWS-SA2B-750-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination

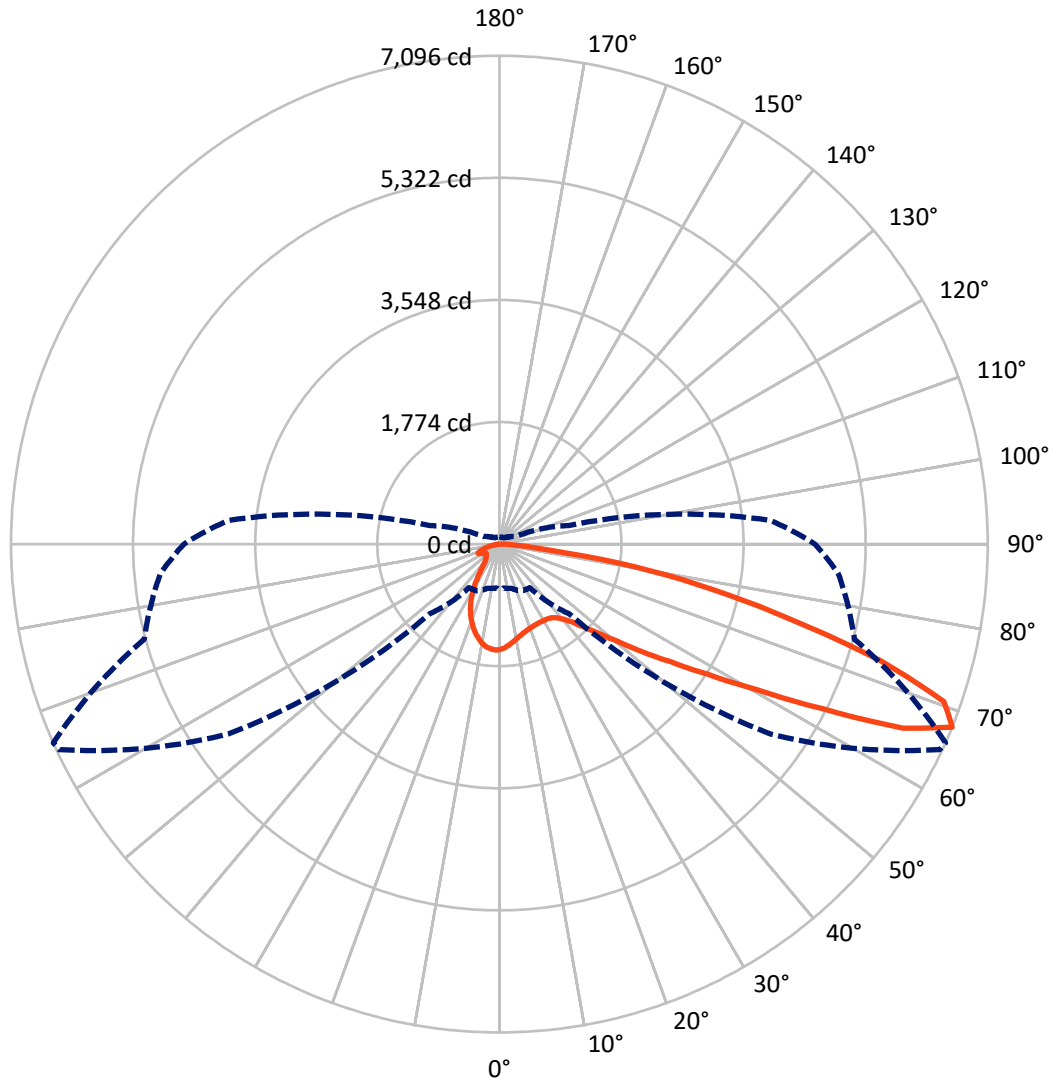
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 fc
 Type II - Short - N/A

REPORT NUMBER: P631872
CATALOG NUMBER: GWS-SA2B-750-U-SL2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631872

CATALOG NUMBER: GWS-SA2B-750-U-SL2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1407.7	0.0	1407.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	5529.4	0.0	5529.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	6937.1	0.0	6937.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.5	1.9
10°-20°	330.6	4.8
20°-30°	454.5	6.6
30°-40°	621.3	9.0
40°-50°	941.5	13.6
50°-60°	1463.5	21.1
60°-70°	1781.8	25.7
70°-80°	1085.4	15.6
80°-90°	124.0	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°	6937.1	100.0
0°-180°	6937.1	100.0

Coefficient of Utilization



REPORT NUMBER: P631872

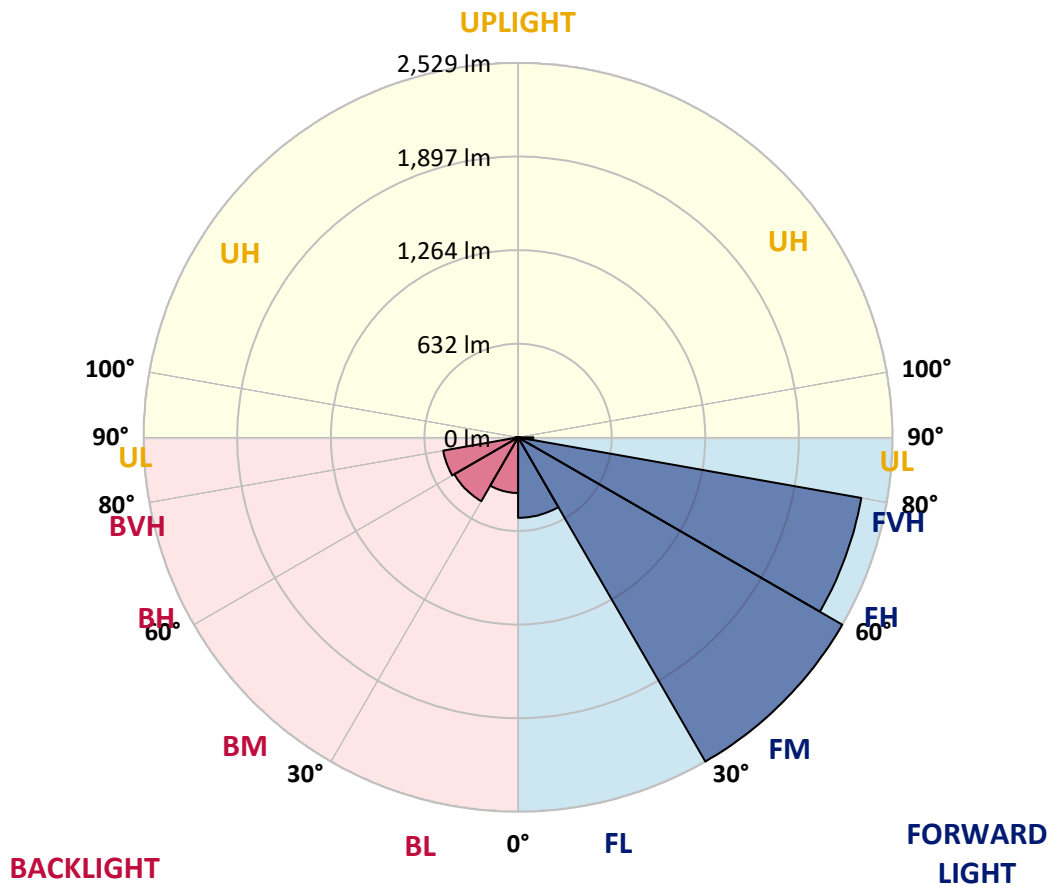
CATALOG NUMBER: GWS-SA2B-750-U-SL2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	543.6	7.8			
FM (30°-60°)	2528.8	36.5			
FH (60°-80°)	2353.9	33.9			G2/5000
FVH (80°-90°)	103.1	1.5			G2/225
BL (0°-30°)	376.1	5.4	B1/500		
BM (30°-60°)	497.5	7.2	B1/1000		
BH (60°-80°)	513.3	7.4	B2/1000		G2/1000
BVH (80°-90°)	20.9	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: P631872
 CATALOG NUMBER: GWS-SA2B-750-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1532.9	1532.9	1532.9	1532.9	1532.9	1532.9	1532.9	1532.9	1532.9	1532.9	1532.9
2.5°	1435.7	1440.8	1437.8	1457.0	1458.0	1482.3	1496.0	1507.6	1508.6	1523.8	1533.9
5°	1337.6	1340.6	1340.6	1358.8	1371.0	1403.3	1434.7	1468.1	1470.7	1507.1	1534.9
7.5°	1258.1	1261.1	1259.1	1283.4	1299.1	1335.0	1375.0	1426.1	1431.2	1489.9	1538.5
10°	1195.9	1194.8	1199.9	1222.2	1242.4	1285.4	1330.0	1388.2	1395.8	1470.1	1542.5
12.5°	1153.3	1154.4	1157.4	1180.7	1202.4	1244.9	1291.0	1354.3	1362.4	1447.4	1540.5
15°	1133.1	1131.1	1133.6	1154.9	1175.6	1213.1	1260.6	1325.9	1334.0	1427.1	1541.0
17.5°	1128.5	1127.0	1126.5	1141.7	1157.4	1192.3	1237.9	1304.2	1312.8	1414.0	1544.0
20°	1142.7	1140.7	1135.1	1141.7	1148.3	1177.6	1221.7	1288.5	1298.1	1405.4	1550.1
22.5°	1181.7	1178.1	1169.5	1161.4	1152.8	1170.6	1211.5	1276.8	1286.4	1399.8	1556.2
25°	1240.9	1237.9	1228.8	1210.5	1179.2	1176.1	1209.5	1271.8	1281.4	1395.8	1558.7
27.5°	1322.4	1317.8	1308.7	1282.4	1231.3	1196.9	1217.1	1271.3	1280.4	1391.2	1556.2
30°	1419.0	1416.0	1410.9	1379.1	1310.7	1240.9	1234.3	1275.3	1282.4	1388.7	1551.1
32.5°	1517.2	1514.2	1518.2	1503.0	1419.0	1313.8	1271.8	1286.4	1291.5	1388.2	1546.6
35°	1603.8	1607.3	1636.6	1639.2	1556.7	1412.5	1331.0	1312.3	1313.3	1398.3	1548.6
37.5°	1694.3	1708.0	1746.5	1779.4	1710.5	1543.0	1419.0	1360.8	1359.8	1424.1	1561.2
40°	1814.3	1820.4	1869.4	1931.2	1888.2	1722.2	1544.0	1440.3	1433.2	1476.7	1595.1
42.5°	1931.2	1945.9	2024.3	2095.2	2081.0	1924.1	1701.4	1559.2	1546.6	1569.8	1665.0
45°	2080.0	2094.1	2182.2	2273.3	2299.1	2152.3	1902.8	1728.2	1715.6	1710.0	1793.0
47.5°	2228.8	2243.4	2322.4	2454.0	2544.5	2437.8	2165.0	1951.4	1930.7	1908.9	1986.3
50°	2329.0	2346.2	2421.6	2579.5	2792.0	2794.0	2475.7	2243.9	2217.6	2183.2	2258.6
52.5°	2325.4	2336.5	2408.4	2590.6	2970.2	3203.5	2891.7	2616.4	2595.2	2520.3	2586.0
55°	2142.7	2159.4	2231.8	2459.5	2989.4	3591.6	3503.1	3055.7	3017.7	2883.6	2956.0
57.5°	1775.8	1790.0	1862.9	2143.7	2818.8	3790.5	4279.4	3615.4	3563.3	3279.4	3362.9
60°	1340.6	1323.4	1357.8	1603.8	2410.9	3795.6	4964.6	4374.5	4287.5	3702.4	3772.3
62.5°	1006.1	988.9	996.5	1065.8	1634.6	3488.9	5355.3	5413.0	5269.3	4180.2	4166.5
65°	795.0	785.4	807.2	854.8	952.9	2656.9	5358.3	6536.0	6445.4	4733.8	4570.9
67.5°	647.8	641.7	664.0	752.0	772.8	1427.6	4804.7	7060.3	7095.7	5340.1	4945.9
70°	521.8	512.7	547.6	663.5	718.6	863.9	3441.8	6793.0	6850.2	5701.4	4840.1
72.5°	360.3	360.8	378.5	537.5	693.8	746.0	1946.9	5656.4	5780.4	5374.0	4255.1
75°	242.9	244.9	250.0	354.8	639.2	723.7	1037.5	4282.4	4370.0	4441.8	3517.2
77.5°	146.8	147.8	159.4	214.6	440.8	675.6	702.9	3104.3	3173.1	2928.2	2180.2
80°	85.0	88.6	99.2	143.7	297.6	507.6	544.0	1903.3	1981.3	1301.6	692.8
82.5°	37.4	40.0	54.2	83.5	173.6	431.7	424.6	752.0	740.9	362.9	240.4
85°	6.6	8.1	11.6	26.3	63.8	227.7	329.5	332.0	312.2	137.7	99.7
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	49.6	89.1	88.6	39.0	34.4
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: P631872
 CATALOG NUMBER: GWS-SA2B-750-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1532.9	1532.9	1532.9	1532.9	1532.9	1532.9	1532.9	1532.9	1532.9	1532.9	1532.9
2.5°	1540.5	1526.8	1539.0	1540.5	1538.0	1535.9	1520.8	1507.6	1506.1	1491.9	1491.9
5°	1546.1	1533.4	1539.5	1527.8	1509.6	1490.9	1458.5	1436.2	1426.1	1407.9	1407.9
7.5°	1553.7	1540.5	1533.4	1504.6	1462.1	1421.1	1368.9	1325.4	1307.7	1281.9	1280.9
10°	1560.7	1544.0	1519.7	1463.6	1395.8	1330.5	1254.6	1192.8	1150.8	1119.9	1119.9
12.5°	1560.2	1538.5	1490.4	1407.4	1313.8	1219.1	1117.9	1024.8	969.1	921.1	918.0
15°	1559.2	1529.4	1452.9	1342.1	1218.1	1087.0	949.4	827.9	745.4	698.4	694.3
17.5°	1558.2	1517.7	1410.9	1267.7	1101.7	923.1	741.4	609.8	541.0	512.1	513.2
20°	1558.2	1504.6	1365.9	1182.2	967.6	726.7	544.0	448.4	431.2	432.7	434.2
22.5°	1553.7	1488.4	1315.8	1089.1	818.3	534.4	401.3	368.9	378.0	392.2	394.2
25°	1543.0	1461.5	1257.6	985.8	640.7	389.2	327.4	321.4	338.1	355.8	360.8
27.5°	1526.3	1430.7	1192.3	864.9	471.7	312.8	288.0	287.5	300.6	313.8	318.3
30°	1508.6	1396.3	1123.5	730.3	341.6	272.3	262.7	262.7	269.2	277.3	276.3
32.5°	1487.9	1361.3	1049.6	590.1	278.3	249.5	246.5	244.9	246.0	249.0	249.0
35°	1470.1	1330.5	973.7	441.8	249.5	236.8	233.8	230.3	228.7	226.7	227.7
37.5°	1463.6	1306.2	895.2	333.0	235.3	227.7	222.7	217.6	214.1	213.1	212.6
40°	1474.2	1296.1	816.8	274.3	225.2	218.1	212.6	206.0	202.9	202.9	202.9
42.5°	1515.7	1303.7	736.8	248.0	218.1	210.0	201.9	195.9	194.8	195.9	196.4
45°	1591.6	1333.0	653.8	234.8	212.0	201.9	192.3	187.8	187.8	188.8	188.8
47.5°	1727.2	1409.9	571.9	226.7	206.0	195.3	185.2	180.7	180.2	181.2	181.2
50°	1962.1	1548.6	498.0	221.2	201.4	190.3	180.2	174.1	172.6	172.1	172.1
52.5°	2258.1	1789.0	450.9	217.1	195.9	184.7	174.6	166.5	163.5	161.9	161.9
55°	2615.9	2109.3	450.9	214.1	188.8	178.1	166.5	158.4	153.8	151.8	151.8
57.5°	3021.3	2482.3	528.8	211.5	183.2	170.5	157.9	149.8	144.7	141.7	141.7
60°	3433.7	2876.5	721.7	208.0	178.1	160.9	148.3	140.7	134.1	130.6	130.1
62.5°	3861.4	3310.7	975.7	210.0	174.6	151.8	138.2	129.6	124.0	120.4	119.9
65°	4253.1	3724.2	1197.9	225.7	175.1	143.7	126.5	118.9	114.4	109.8	109.3
67.5°	4585.5	3952.4	1042.0	257.6	185.7	134.1	114.9	107.3	103.2	100.2	99.7
70°	4352.8	3604.3	591.1	277.3	200.4	124.0	101.7	96.7	92.6	90.6	90.1
72.5°	3722.2	3051.6	395.2	244.9	182.7	110.8	89.6	85.5	82.5	80.0	79.5
75°	3015.2	2420.1	302.1	200.9	142.2	90.1	76.9	73.9	70.9	68.3	67.8
77.5°	1783.9	1398.3	222.7	158.9	100.2	70.3	63.8	61.2	58.2	56.2	55.7
80°	569.3	485.8	141.2	109.3	66.3	54.2	49.1	47.1	44.0	41.5	41.0
82.5°	217.1	187.8	74.9	55.7	44.0	36.9	32.9	30.9	28.8	26.3	25.8
85°	96.2	90.1	41.5	29.9	23.8	18.2	16.2	15.2	12.7	10.6	10.1
87.5°	33.9	33.9	17.7	8.6	5.1	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)