

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: P632787

Luminaire Tested: GWS-SA2D-735-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-735-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11417.4 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

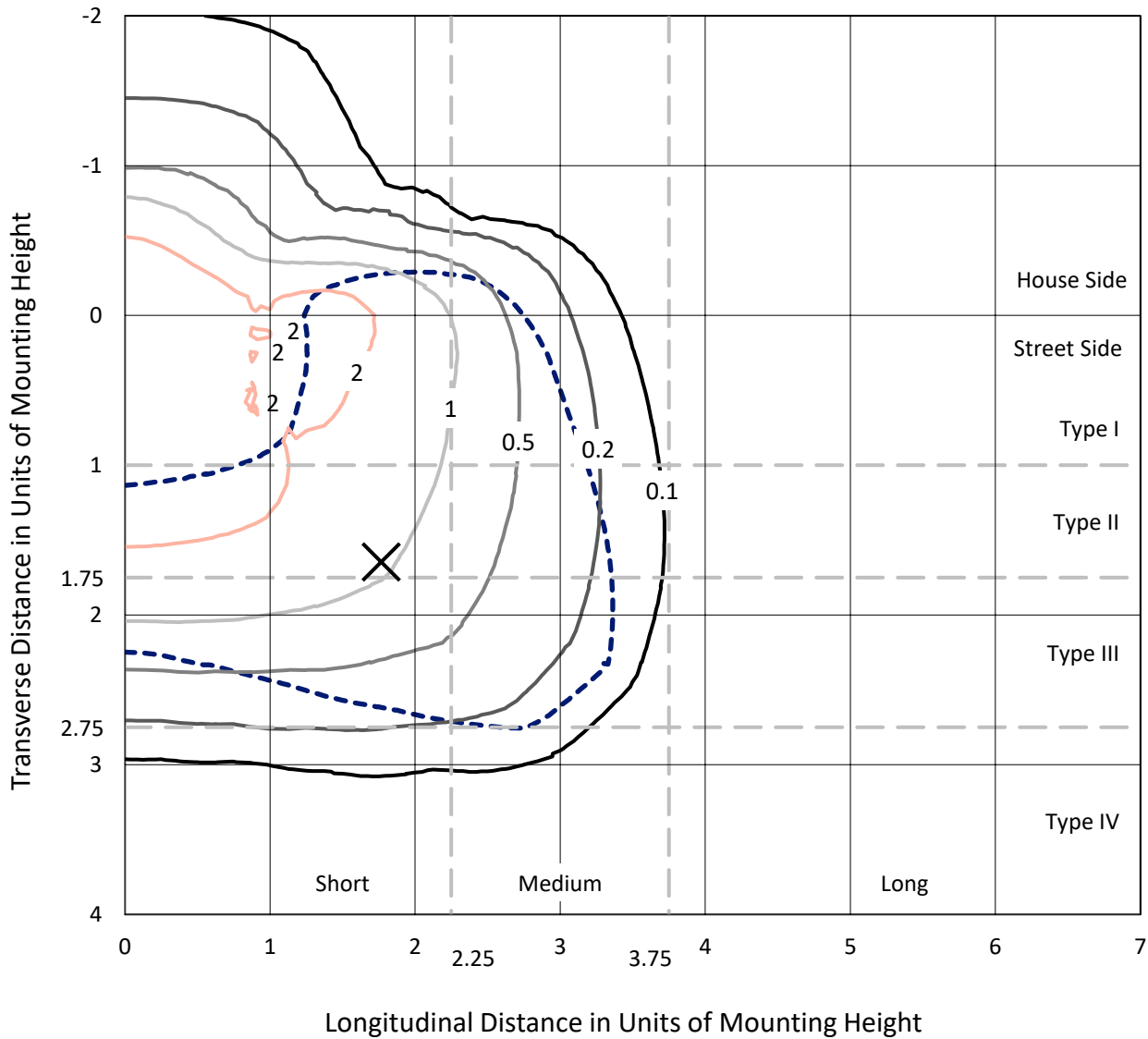
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632787
 CATALOG NUMBER: GWS-SA2D-735-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination

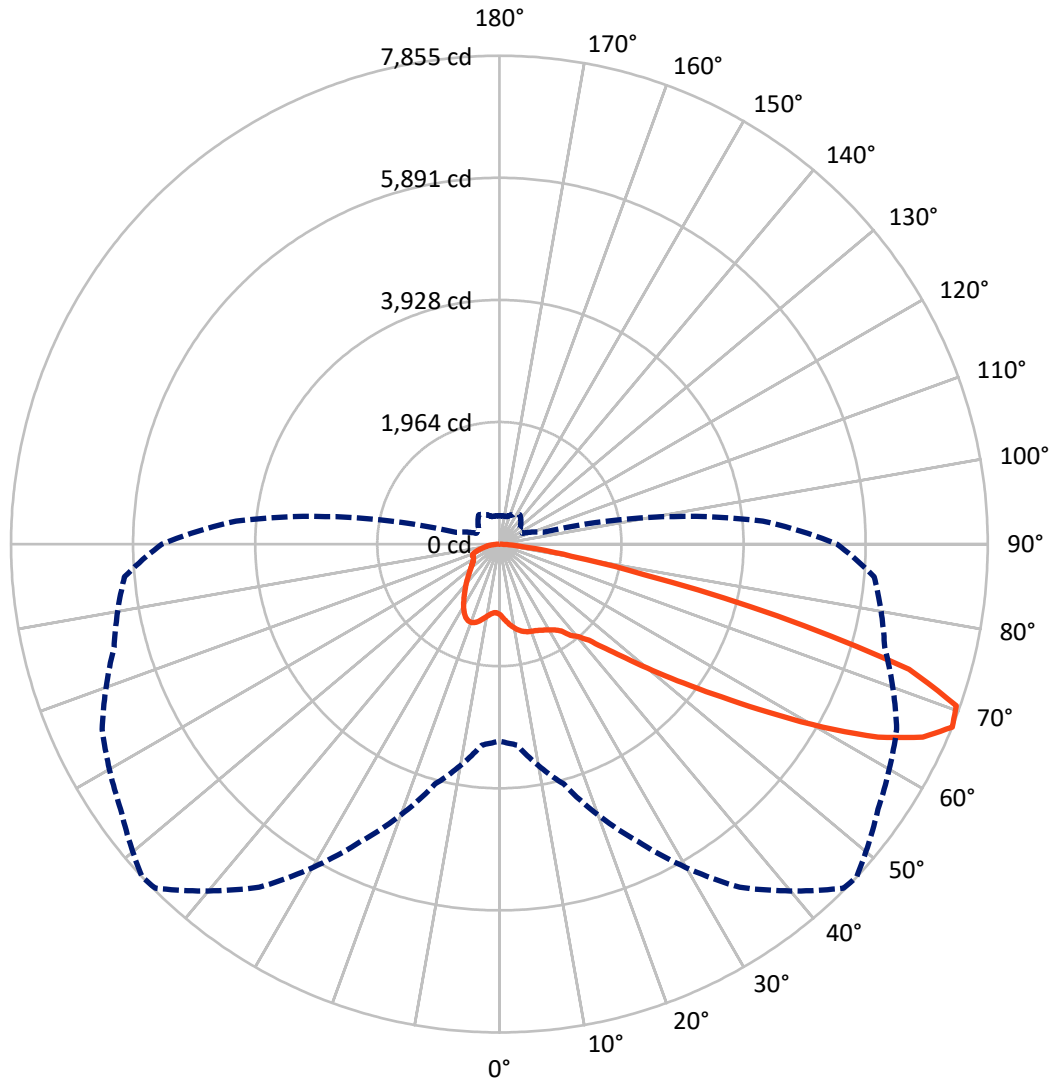
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - N/A

REPORT NUMBER: P632787
CATALOG NUMBER: GWS-SA2D-735-U-T4W-W

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P632787

CATALOG NUMBER: GWS-SA2D-735-U-T4W-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2602.1	0.0	2602.1
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	8815.3	0.0	8815.3
	% Fixture	77.2	0.0	77.2
Total	Lumens	11417.4	0.0	11417.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	1.0
10°-20°	385.4	3.4
20°-30°	655.0	5.7
30°-40°	959.6	8.4
40°-50°	1462.0	12.8
50°-60°	2615.9	22.9
60°-70°	3490.6	30.6
70°-80°	1578.5	13.8
80°-90°	154.7	1.4
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°	11417.4	100.0
0°-180°	11417.4	100.0

Coefficient of Utilization



REPORT NUMBER: P632787

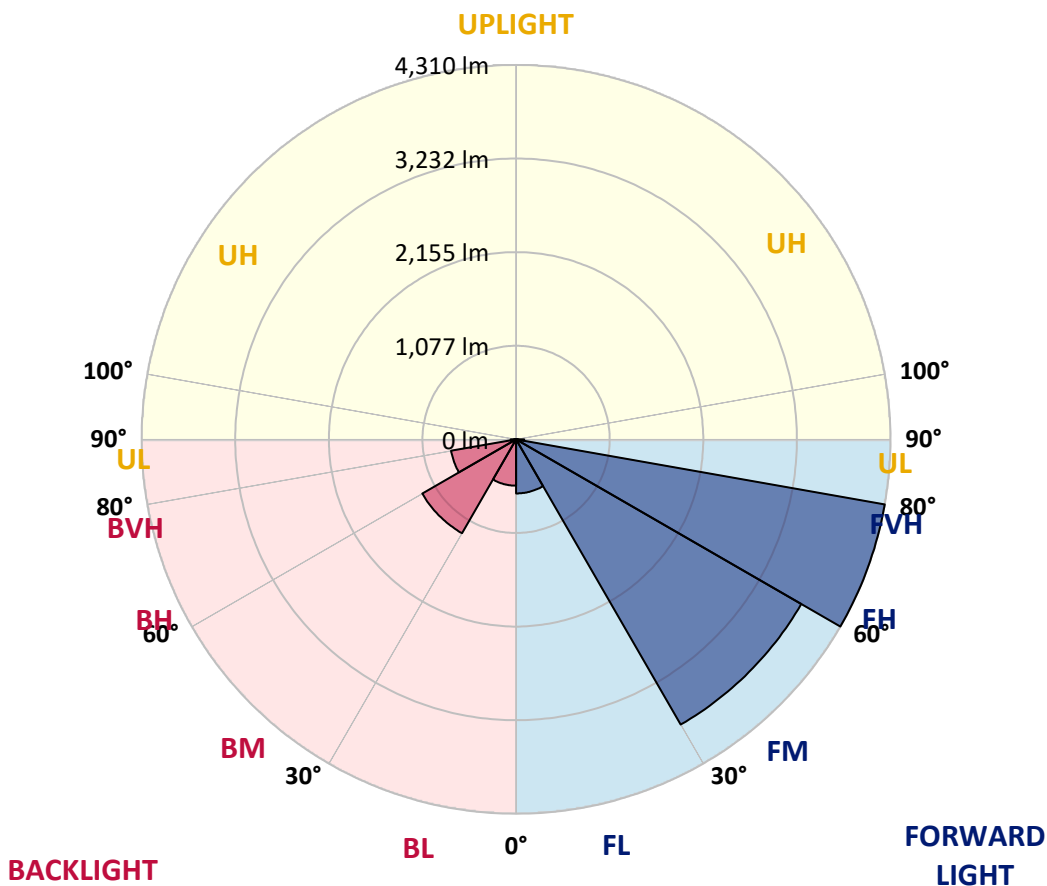
CATALOG NUMBER: GWS-SA2D-735-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	622.7	5.5			
FM (30°-60°)	3790.7	33.2			
FH (60°-80°)	4309.9	37.7			G2/5000
FVH (80°-90°)	92.0	0.8			G1/100
BL (0°-30°)	533.4	4.7	B2/1000		
BM (30°-60°)	1246.8	10.9	B2/2500		
BH (60°-80°)	759.2	6.6	B2/1000		G2/1000
BVH (80°-90°)	62.7	0.5			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 III Short





REPORT NUMBER: P632787
 CATALOG NUMBER: GWS-SA2D-735-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1131.8	1131.8	1131.8	1131.8	1131.8	1131.8	1131.8	1131.8	1131.8	1131.8	1131.8
2.5°	1207.0	1211.1	1210.3	1203.6	1199.5	1192.1	1192.9	1181.4	1164.0	1152.5	1139.3
5°	1313.4	1320.1	1311.8	1301.1	1284.6	1260.6	1258.1	1231.7	1198.7	1175.6	1151.6
7.5°	1405.9	1410.0	1400.1	1382.0	1358.0	1325.8	1320.1	1288.7	1247.4	1211.1	1176.4
10°	1477.7	1482.7	1469.5	1445.5	1414.2	1382.0	1377.8	1345.6	1301.9	1259.0	1215.2
12.5°	1538.8	1540.5	1526.4	1494.2	1460.4	1427.4	1423.2	1393.5	1353.1	1309.3	1261.4
15°	1574.3	1575.1	1557.8	1522.3	1490.1	1461.2	1458.7	1433.2	1396.0	1354.7	1303.5
17.5°	1571.8	1573.5	1561.1	1529.7	1501.7	1484.3	1481.9	1465.3	1436.5	1399.3	1348.1
20°	1541.3	1542.9	1534.7	1514.1	1499.2	1494.2	1495.1	1490.1	1472.8	1442.2	1390.2
22.5°	1517.4	1519.8	1512.4	1497.5	1495.9	1507.4	1509.9	1512.4	1504.1	1476.9	1426.5
25°	1528.9	1533.0	1521.5	1500.8	1504.1	1529.7	1534.7	1542.9	1536.3	1513.2	1469.5
27.5°	1609.0	1611.5	1581.7	1539.6	1529.7	1557.0	1564.4	1577.6	1572.7	1551.2	1517.4
30°	1794.7	1793.1	1729.5	1626.3	1585.1	1595.8	1601.6	1620.5	1622.2	1608.2	1576.0
32.5°	2056.4	2048.2	1949.9	1785.7	1666.0	1639.5	1646.1	1671.7	1690.7	1675.9	1632.1
35°	2333.0	2325.6	2217.4	2025.1	1815.4	1723.7	1716.3	1736.1	1765.0	1723.7	1661.0
37.5°	2596.3	2584.8	2474.2	2236.4	1999.5	1871.5	1860.8	1841.0	1823.6	1744.4	1696.5
40°	2888.6	2875.4	2778.8	2509.7	2202.6	1984.6	1957.4	1878.9	1863.3	1812.9	1789.0
42.5°	3200.6	3200.6	3120.6	2855.6	2447.7	2146.4	2110.9	1992.9	2009.4	1976.4	1948.3
45°	3512.7	3521.8	3458.2	3203.9	2775.5	2451.9	2394.9	2227.3	2267.0	2252.1	2238.1
47.5°	3778.5	3795.9	3783.5	3559.8	3176.7	2823.4	2736.7	2562.5	2647.5	2683.0	2722.7
50°	4065.0	4084.0	4071.6	3983.3	3646.4	3273.3	3195.7	3015.7	3161.8	3268.3	3398.0
52.5°	4490.2	4517.4	4414.2	4380.4	4216.9	3784.3	3715.0	3510.2	3775.2	3951.9	4240.8
55°	4849.3	4848.4	4812.1	4889.7	4829.5	4409.2	4332.5	4146.7	4485.2	4672.6	5095.3
57.5°	5016.0	5035.8	5160.5	5380.1	5500.6	5172.9	5099.4	4909.5	5247.2	5344.6	5801.1
60°	5101.9	5126.7	5367.7	5801.9	6126.4	6006.7	5977.8	5735.9	5925.8	5914.2	6396.3
62.5°	4981.4	5030.9	5418.1	5995.1	6573.0	6844.6	6835.5	6469.8	6502.8	6389.7	6765.4
65°	4428.2	4481.9	5089.5	5898.5	6828.1	7481.9	7484.4	7134.4	6946.2	6620.9	6703.4
67.5°	3166.8	3243.6	3994.8	5277.7	6738.1	7826.2	7855.1	7435.7	7050.2	6416.2	6052.9
70°	1726.2	1782.4	2371.0	3836.3	5927.4	7743.6	7797.3	7290.4	6591.2	5550.2	4659.4
72.5°	784.3	802.4	1102.9	2105.1	4049.3	6665.5	6890.0	6506.1	5413.1	4099.7	2962.9
75°	359.1	367.4	480.5	1007.2	2115.9	4460.4	4618.1	4846.0	3767.0	2588.9	1544.6
77.5°	225.4	227.9	273.3	460.7	1055.0	2226.5	2392.4	2885.3	2205.9	1281.2	645.6
80°	132.9	135.4	170.1	249.3	495.3	1018.7	1176.4	1140.9	1036.9	553.1	293.9
82.5°	66.9	69.3	98.2	142.0	270.0	405.3	477.2	479.6	386.4	299.7	165.9
85°	23.9	24.8	32.2	56.1	114.8	133.7	149.4	182.4	189.1	174.2	80.1
87.5°	0.0	0.0	0.8	1.7	3.3	13.2	14.0	26.4	55.3	61.9	32.2
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: P632787
 CATALOG NUMBER: GWS-SA2D-735-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1131.8	1131.8	1131.8	1131.8	1131.8	1131.8	1131.8	1131.8	1131.8	1131.8	1131.8
2.5°	1135.1	1122.7	1118.6	1114.5	1107.9	1105.4	1100.5	1095.5	1095.5	1090.5	1088.1
5°	1140.9	1124.4	1113.7	1108.7	1104.6	1107.1	1107.1	1108.7	1114.5	1111.2	1112.8
7.5°	1161.5	1142.6	1127.7	1123.6	1123.6	1133.5	1140.1	1148.3	1159.1	1160.7	1160.7
10°	1197.9	1175.6	1159.9	1157.4	1161.5	1175.6	1185.5	1195.4	1208.6	1209.4	1211.1
12.5°	1237.5	1215.2	1199.5	1202.8	1207.0	1225.1	1235.8	1244.1	1257.3	1257.3	1256.5
15°	1278.8	1254.0	1240.8	1247.4	1259.8	1280.4	1282.1	1282.9	1289.5	1287.9	1287.0
17.5°	1321.7	1295.3	1285.4	1295.3	1308.5	1318.4	1310.1	1298.6	1296.1	1292.8	1291.2
20°	1363.8	1336.6	1332.4	1339.9	1344.0	1335.7	1310.1	1288.7	1278.8	1273.8	1272.2
22.5°	1400.1	1377.0	1374.5	1374.5	1353.9	1325.0	1287.0	1258.1	1244.9	1238.3	1236.7
25°	1443.1	1421.6	1417.5	1395.2	1342.3	1289.5	1238.3	1211.9	1201.2	1197.9	1198.7
27.5°	1493.4	1478.6	1465.3	1401.8	1309.3	1226.8	1169.0	1157.4	1153.3	1157.4	1159.9
30°	1555.3	1540.5	1510.8	1393.5	1256.5	1145.0	1089.7	1088.9	1101.3	1112.0	1113.7
32.5°	1605.7	1599.1	1550.4	1367.1	1182.2	1055.0	1008.0	1011.3	1033.6	1048.4	1050.9
35°	1645.3	1656.0	1583.4	1323.4	1093.9	970.0	932.9	934.5	946.9	967.5	968.4
37.5°	1701.5	1737.8	1613.1	1256.5	992.3	896.5	862.7	850.3	848.7	854.4	856.1
40°	1814.6	1869.0	1634.6	1159.1	894.1	830.5	792.5	768.6	747.9	732.3	727.3
42.5°	1985.4	2048.2	1647.0	1041.0	806.6	765.3	722.4	691.8	655.5	622.5	610.9
45°	2299.1	2319.8	1647.0	915.5	729.0	704.2	661.3	624.9	578.7	539.9	531.7
47.5°	2801.1	2735.0	1648.6	794.2	660.4	650.5	613.4	572.1	520.9	488.7	483.8
50°	3557.3	3325.3	1682.5	693.5	603.5	605.1	577.9	532.5	486.2	462.3	458.2
52.5°	4414.2	4052.6	1773.3	619.2	555.6	568.0	553.1	509.4	468.1	447.4	443.3
55°	5219.9	4721.3	1850.9	566.3	515.1	536.6	535.8	495.3	458.2	437.5	435.1
57.5°	5905.1	5179.5	1839.3	523.4	480.5	507.7	520.1	486.2	451.6	434.2	431.8
60°	6331.1	5422.2	1675.0	483.8	454.1	487.1	511.0	483.8	454.9	450.7	451.6
62.5°	6516.0	5377.6	1359.7	454.1	436.7	477.2	520.9	501.1	485.4	495.3	501.1
65°	6228.8	4994.6	1000.6	431.8	420.2	479.6	544.0	528.4	485.4	492.0	494.5
67.5°	5431.3	4251.6	723.2	409.5	399.6	487.1	577.1	524.2	457.4	457.4	452.4
70°	3913.9	3057.8	525.0	387.2	378.9	476.3	578.7	496.2	425.2	422.7	410.3
72.5°	2355.3	1803.8	409.5	362.4	347.6	422.7	542.4	463.1	393.8	373.1	358.3
75°	1223.5	904.0	343.4	335.2	298.0	358.3	496.2	411.9	336.8	318.7	310.4
77.5°	524.2	422.7	294.7	298.8	247.7	301.3	400.4	356.6	298.8	275.7	268.3
80°	258.4	240.2	232.8	239.4	198.1	232.8	345.1	312.1	253.4	227.0	216.3
82.5°	147.8	140.3	167.6	170.1	141.2	194.8	291.4	264.2	209.7	180.8	163.5
85°	68.5	73.5	101.5	102.4	87.5	133.7	190.7	148.6	111.4	92.5	88.3
87.5°	27.2	32.2	44.6	43.8	25.6	24.8	16.5	9.1	7.4	6.6	5.8
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)