

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: P632952

Luminaire Tested: GWS-SA2D-760-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632952
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-760-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11679.1 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

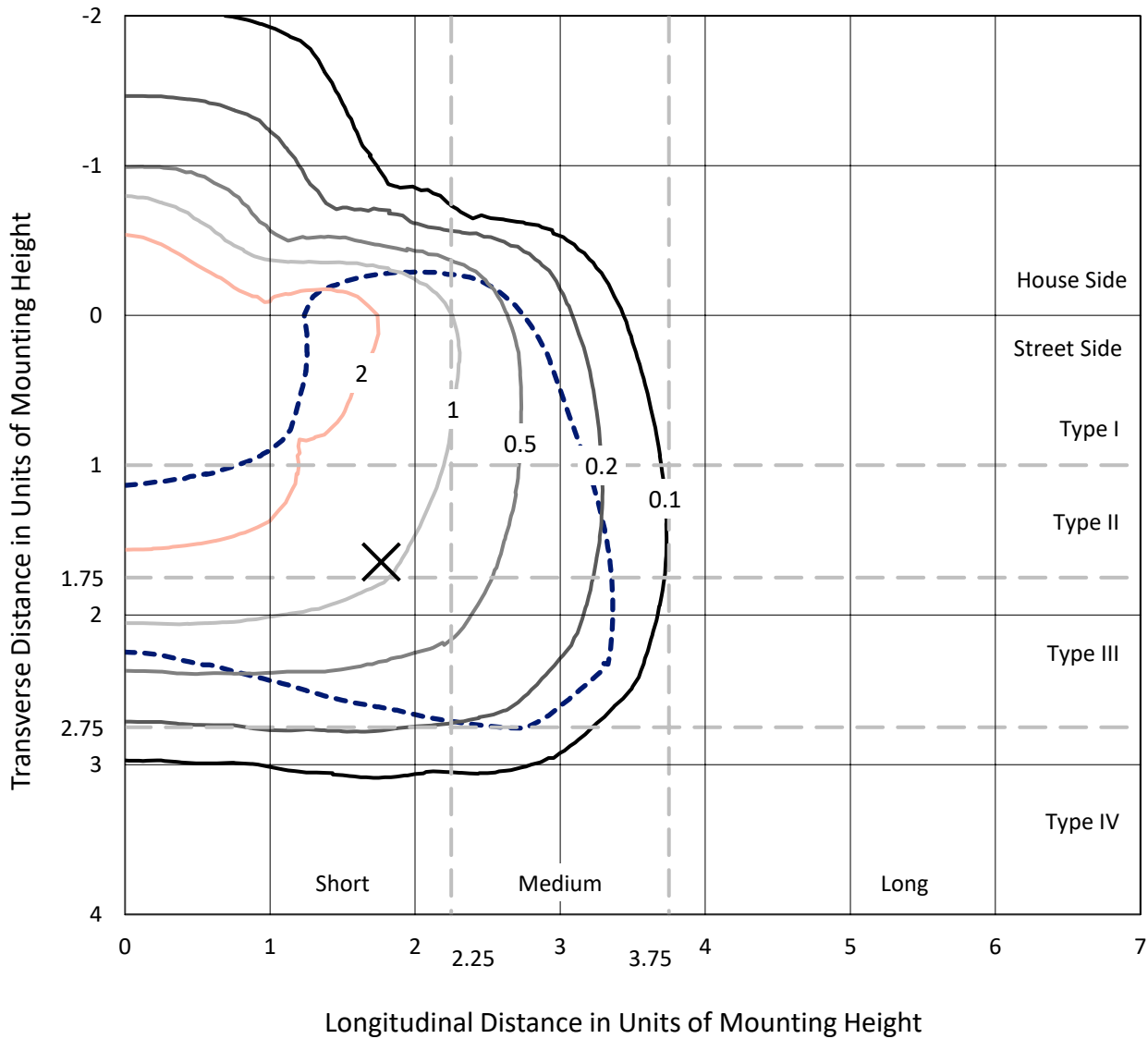
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

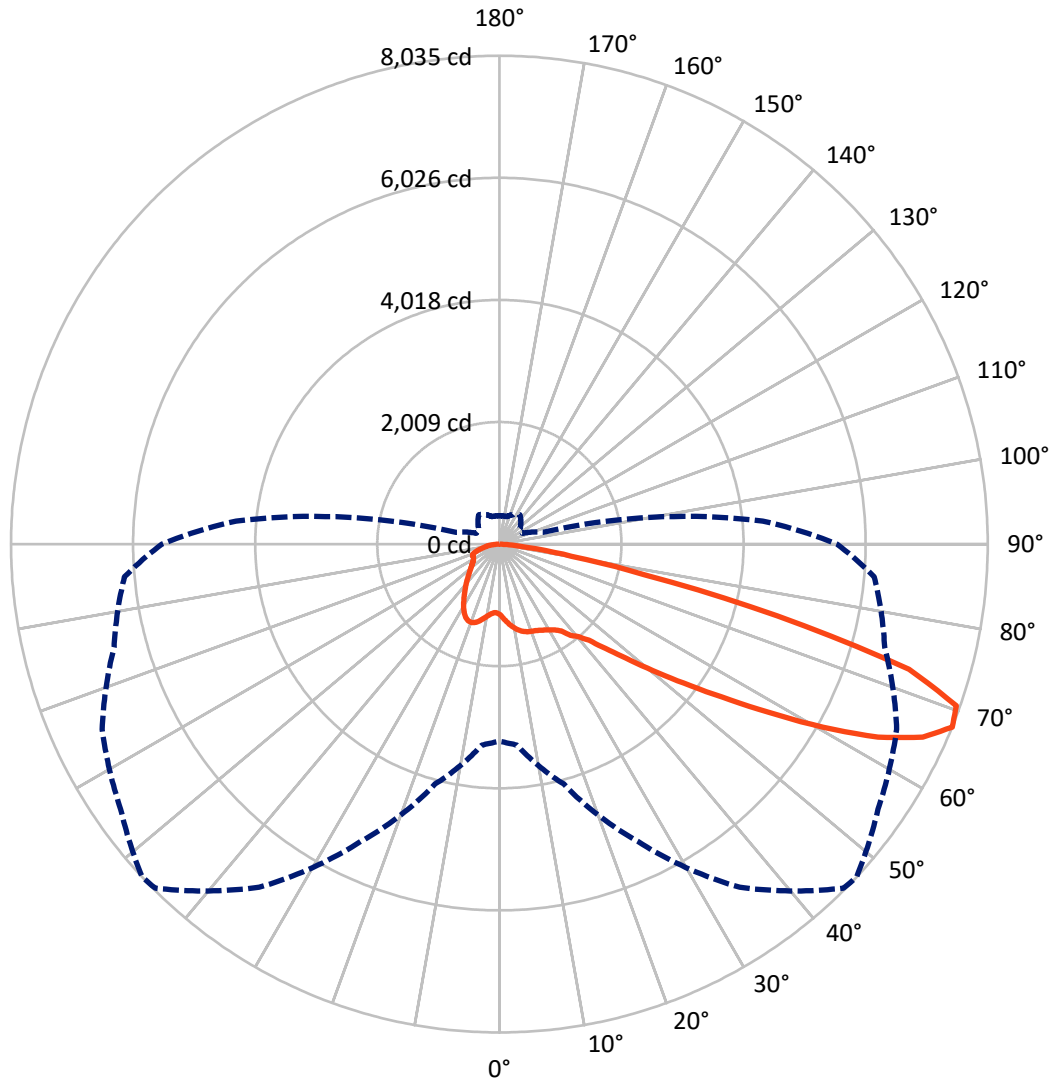
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2661.8	0.0	2661.8
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	9017.3	0.0	9017.3
	% Fixture	77.2	0.0	77.2
Total	Lumens	11679.1	0.0	11679.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	1.0
10°-20°	394.2	3.4
20°-30°	670.1	5.7
30°-40°	981.6	8.4
40°-50°	1495.5	12.8
50°-60°	2675.8	22.9
60°-70°	3570.6	30.6
70°-80°	1614.7	13.8
80°-90°	158.2	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°	11679.1	100.0
0°-180°	11679.1	100.0

Coefficient of Utilization



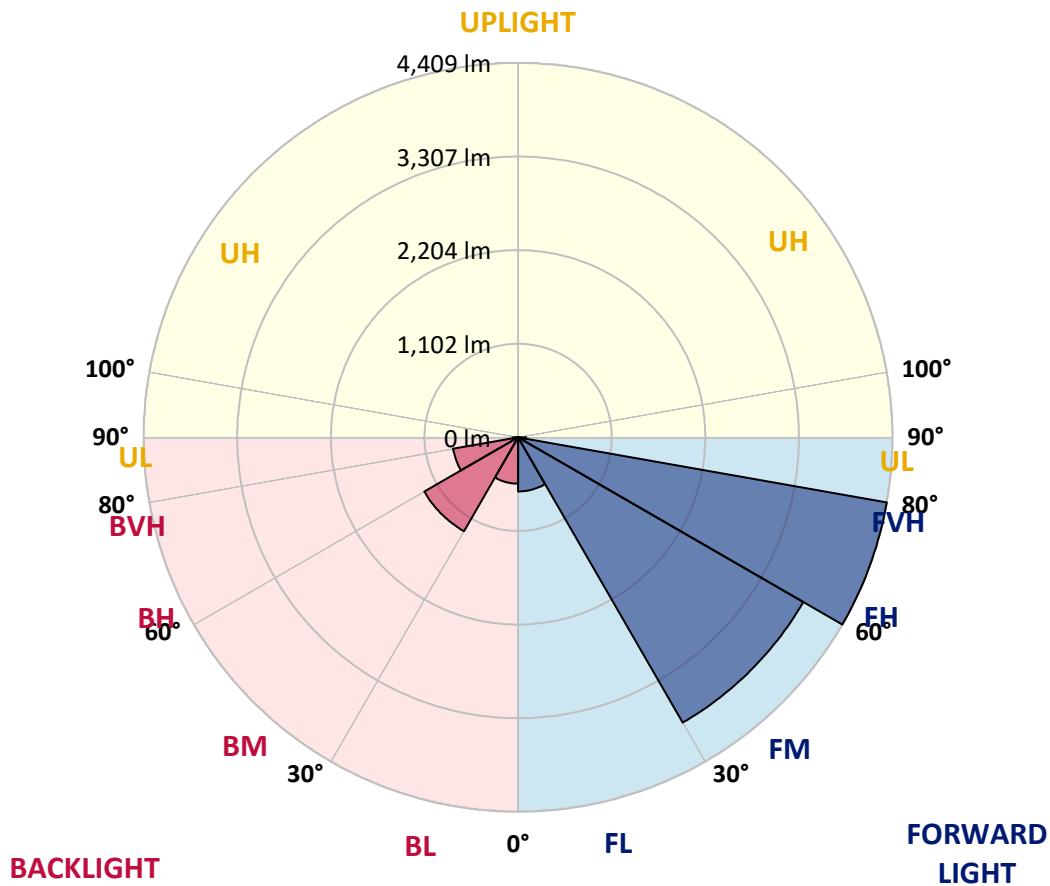
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	636.9	5.5			
FM (30°-60°)	3877.6	33.2			
FH (60°-80°)	4408.7	37.7			G2/5000
FVH (80°-90°)	94.1	0.8			G1/100
BL (0°-30°)	545.7	4.7	B2/1000		
BM (30°-60°)	1275.4	10.9	B2/2500		
BH (60°-80°)	776.6	6.6	B2/1000		G2/1000
BVH (80°-90°)	64.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1157.8	1157.8	1157.8	1157.8	1157.8	1157.8	1157.8	1157.8	1157.8	1157.8	1157.8
2.5°	1234.6	1238.8	1238.0	1231.2	1227.0	1219.4	1220.3	1208.4	1190.7	1178.9	1165.4
5°	1343.6	1350.3	1341.9	1330.9	1314.0	1289.5	1287.0	1259.9	1226.2	1202.5	1178.0
7.5°	1438.1	1442.4	1432.2	1413.6	1389.2	1356.2	1350.3	1318.2	1276.0	1238.8	1203.4
10°	1511.6	1516.7	1503.2	1478.7	1446.6	1413.6	1409.4	1376.5	1331.7	1287.8	1243.1
12.5°	1574.1	1575.8	1561.4	1528.5	1493.9	1460.1	1455.9	1425.5	1384.1	1339.3	1290.4
15°	1610.4	1611.2	1593.5	1557.2	1524.3	1494.7	1492.2	1466.0	1428.0	1385.8	1333.4
17.5°	1607.9	1609.6	1596.9	1564.8	1536.1	1518.4	1515.8	1498.9	1469.4	1431.4	1379.0
20°	1576.6	1578.3	1569.9	1548.8	1533.6	1528.5	1529.3	1524.3	1506.5	1475.3	1422.1
22.5°	1552.1	1554.7	1547.1	1531.9	1530.2	1542.0	1544.5	1547.1	1538.6	1510.8	1459.2
25°	1564.0	1568.2	1556.4	1535.2	1538.6	1564.8	1569.9	1578.3	1571.6	1547.9	1503.2
27.5°	1645.9	1648.4	1618.0	1574.9	1564.8	1592.7	1600.3	1613.8	1608.7	1586.8	1552.1
30°	1835.9	1834.2	1769.2	1663.6	1621.4	1632.4	1638.3	1657.7	1659.4	1645.0	1612.1
32.5°	2103.6	2095.1	1994.6	1826.6	1704.1	1677.1	1683.9	1710.1	1729.5	1714.3	1669.5
35°	2386.5	2378.9	2268.2	2071.5	1857.0	1763.3	1755.7	1775.9	1805.5	1763.3	1699.1
37.5°	2655.9	2644.0	2530.9	2287.7	2045.3	1914.4	1903.4	1883.2	1865.4	1784.4	1735.4
40°	2954.8	2941.3	2842.5	2567.2	2253.0	2030.1	2002.2	1922.0	1906.0	1854.5	1830.0
42.5°	3274.0	3274.0	3192.1	2921.0	2503.9	2195.6	2159.3	2038.6	2055.4	2021.7	1992.9
45°	3593.2	3602.5	3537.5	3277.4	2839.1	2508.1	2449.8	2278.4	2318.9	2303.7	2289.4
47.5°	3865.1	3882.9	3870.2	3641.4	3249.5	2888.1	2799.4	2621.2	2708.2	2744.5	2785.1
50°	4158.2	4177.6	4164.9	4074.6	3730.0	3348.3	3268.9	3084.8	3234.3	3343.3	3475.8
52.5°	4593.1	4620.9	4515.4	4480.8	4313.6	3871.1	3800.1	3590.7	3861.8	4042.5	4338.0
55°	4960.4	4959.6	4922.4	5001.8	4940.1	4510.3	4431.8	4241.8	4588.0	4779.7	5212.1
57.5°	5131.0	5151.3	5278.8	5503.4	5626.7	5291.4	5216.3	5022.1	5367.5	5467.1	5934.1
60°	5218.8	5244.2	5490.7	5934.9	6266.8	6144.4	6114.8	5867.4	6061.6	6049.8	6543.0
62.5°	5095.5	5146.2	5542.3	6132.5	6723.7	7001.5	6992.2	6618.1	6651.9	6536.2	6920.4
65°	4529.7	4584.6	5206.2	6033.7	6984.6	7653.4	7656.0	7297.9	7105.4	6772.6	6857.1
67.5°	3239.4	3317.9	4086.4	5398.7	6892.6	8005.6	8035.1	7606.1	7211.8	6563.2	6191.7
70°	1765.8	1823.2	2425.3	3924.3	6063.3	7921.1	7976.0	7457.5	6742.2	5677.4	4766.2
72.5°	802.2	820.8	1128.2	2153.4	4142.1	6818.3	7047.9	6655.3	5537.2	4193.6	3030.8
75°	367.3	375.8	491.5	1030.3	2164.4	4562.7	4724.0	4957.0	3853.3	2648.3	1580.0
77.5°	230.5	233.1	279.5	471.2	1079.2	2277.5	2447.3	2951.4	2256.4	1310.6	660.4
80°	136.0	138.5	174.0	255.0	506.7	1042.1	1203.4	1167.1	1060.7	565.8	300.6
82.5°	68.4	70.9	100.5	145.2	276.1	414.6	488.1	490.6	395.2	306.5	169.7
85°	24.5	25.3	32.9	57.4	117.4	136.8	152.8	186.6	193.4	178.2	81.9
87.5°	0.0	0.0	0.8	1.7	3.4	13.5	14.4	27.0	56.6	63.3	32.9
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°	1157.8	1157.8	1157.8	1157.8	1157.8	1157.8	1157.8	1157.8	1157.8	1157.8	1157.8
2.5°	1161.1	1148.5	1144.3	1140.0	1133.3	1130.7	1125.7	1120.6	1120.6	1115.5	1113.0
5°	1167.1	1150.2	1139.2	1134.1	1129.9	1132.4	1132.4	1134.1	1140.0	1136.7	1138.3
7.5°	1188.2	1168.7	1153.5	1149.3	1149.3	1159.5	1166.2	1174.7	1185.6	1187.3	1187.3
10°	1225.3	1202.5	1186.5	1183.9	1188.2	1202.5	1212.7	1222.8	1236.3	1237.1	1238.8
12.5°	1265.9	1243.1	1227.0	1230.4	1234.6	1253.2	1264.2	1272.6	1286.1	1286.1	1285.3
15°	1308.1	1282.7	1269.2	1276.0	1288.7	1309.8	1311.5	1312.3	1319.1	1317.4	1316.5
17.5°	1352.0	1325.0	1314.8	1325.0	1338.5	1348.6	1340.2	1328.4	1325.8	1322.4	1320.8
20°	1395.1	1367.2	1363.0	1370.6	1374.8	1366.4	1340.2	1318.2	1308.1	1303.0	1301.3
22.5°	1432.2	1408.6	1406.0	1406.0	1384.9	1355.4	1316.5	1287.0	1273.5	1266.7	1265.0
25°	1476.1	1454.2	1450.0	1427.2	1373.1	1319.1	1266.7	1239.7	1228.7	1225.3	1226.2
27.5°	1527.6	1512.4	1498.9	1433.9	1339.3	1254.9	1195.8	1183.9	1179.7	1183.9	1186.5
30°	1591.0	1575.8	1545.4	1425.5	1285.3	1171.3	1114.7	1113.9	1126.5	1137.5	1139.2
32.5°	1642.5	1635.7	1585.9	1398.4	1209.3	1079.2	1031.1	1034.5	1057.3	1072.5	1075.0
35°	1683.0	1694.0	1619.7	1353.7	1118.9	992.3	954.3	955.9	968.6	989.7	990.6
37.5°	1740.5	1777.6	1650.1	1285.3	1015.1	917.1	882.5	869.8	868.1	874.0	875.7
40°	1856.1	1911.9	1672.1	1185.6	914.6	849.5	810.7	786.2	765.1	749.0	744.0
42.5°	2031.0	2095.1	1684.7	1064.9	825.0	782.8	738.9	707.7	670.5	636.7	624.9
45°	2351.8	2373.0	1684.7	936.5	745.7	720.3	676.4	639.3	592.0	552.3	543.8
47.5°	2865.3	2797.7	1686.4	812.4	675.6	665.4	627.4	585.2	532.9	499.9	494.9
50°	3638.8	3401.5	1721.0	709.4	617.3	619.0	591.1	544.7	497.4	472.9	468.7
52.5°	4515.4	4145.5	1813.9	633.4	568.3	581.0	565.8	521.0	478.8	457.7	453.5
55°	5339.6	4829.5	1893.3	579.3	526.9	548.9	548.1	506.7	468.7	447.6	445.0
57.5°	6040.5	5298.2	1881.5	535.4	491.5	519.3	532.0	497.4	461.9	444.2	441.7
60°	6476.2	5546.5	1713.4	494.9	464.5	498.2	522.7	494.9	465.3	461.1	461.9
62.5°	6665.4	5500.9	1390.8	464.5	446.7	488.1	532.9	512.6	496.5	506.7	512.6
65°	6371.5	5109.0	1023.5	441.7	429.8	490.6	556.5	540.5	496.5	503.3	505.8
67.5°	5555.8	4349.0	739.8	418.9	408.7	498.2	590.3	536.2	467.8	467.8	462.8
70°	4003.6	3127.9	537.1	396.1	387.6	487.3	592.0	507.5	434.9	432.4	419.7
72.5°	2409.3	1845.2	418.9	370.7	355.5	432.4	554.8	473.7	402.8	381.7	366.5
75°	1251.5	924.7	351.3	342.9	304.9	366.5	507.5	421.4	344.5	326.0	317.5
77.5°	536.2	432.4	301.5	305.7	253.3	308.2	409.6	364.8	305.7	282.1	274.5
80°	264.3	245.7	238.1	244.9	202.7	238.1	353.0	319.2	259.3	232.2	221.3
82.5°	151.2	143.6	171.4	174.0	144.4	199.3	298.1	270.2	214.5	184.9	167.2
85°	70.1	75.2	103.9	104.7	89.5	136.8	195.1	152.0	114.0	94.6	90.4
87.5°	27.9	32.9	45.6	44.8	26.2	25.3	16.9	9.3	7.6	6.8	5.9
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)