

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: P634382

Luminaire Tested: GWS-SA3B-750-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634382
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-SA3B-750-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10548.7 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

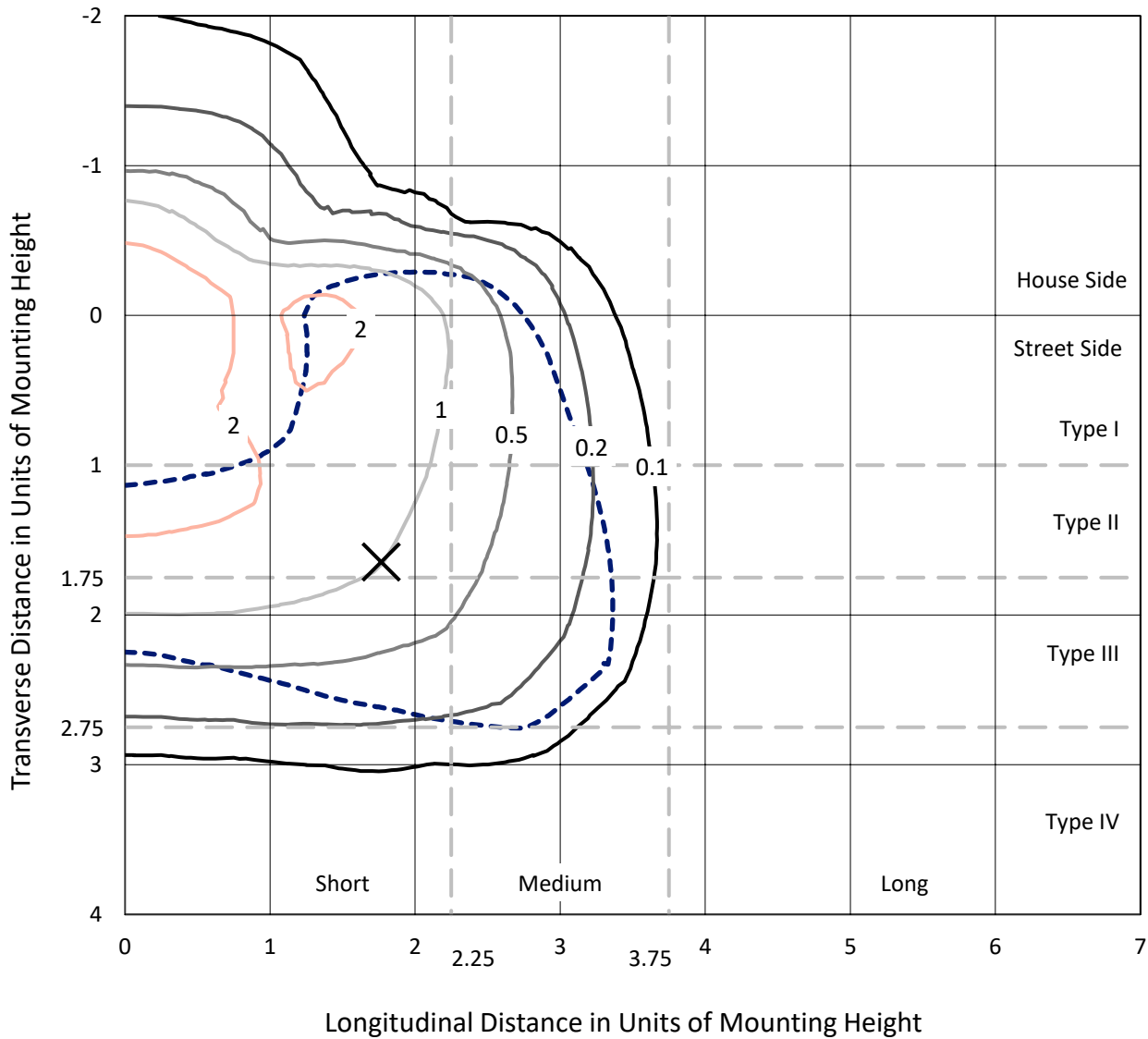
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

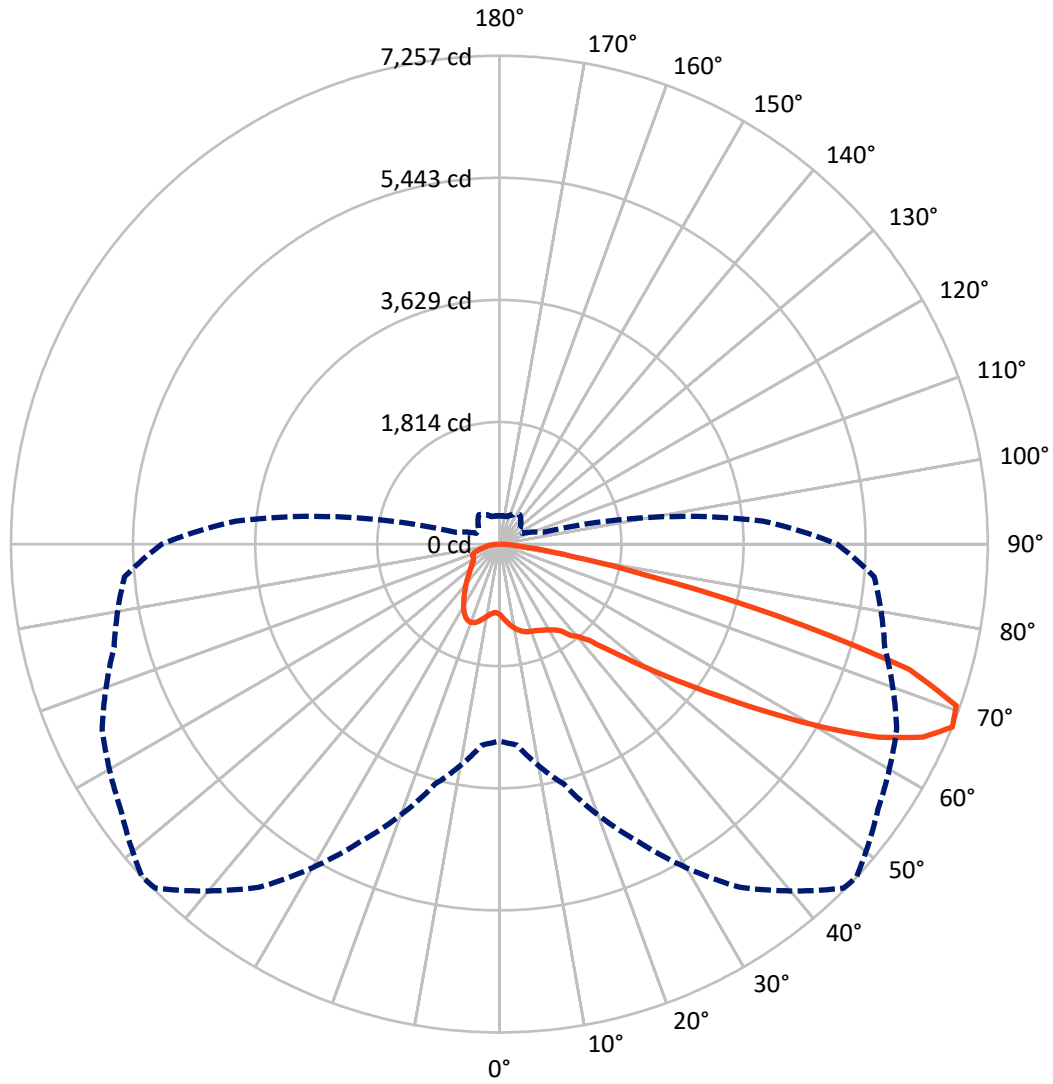
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.3 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	2404.1	0.0	2404.1
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	8144.6	0.0	8144.6
	% Fixture	77.2	0.0	77.2
Total	Lumens	10548.7	0.0	10548.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	1.0
10°-20°	356.1	3.4
20°-30°	605.2	5.7
30°-40°	886.6	8.4
40°-50°	1350.8	12.8
50°-60°	2416.9	22.9
60°-70°	3225.0	30.6
70°-80°	1458.4	13.8
80°-90°	142.9	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°	10548.7	100.0
0°-180°	10548.7	100.0

Coefficient of Utilization



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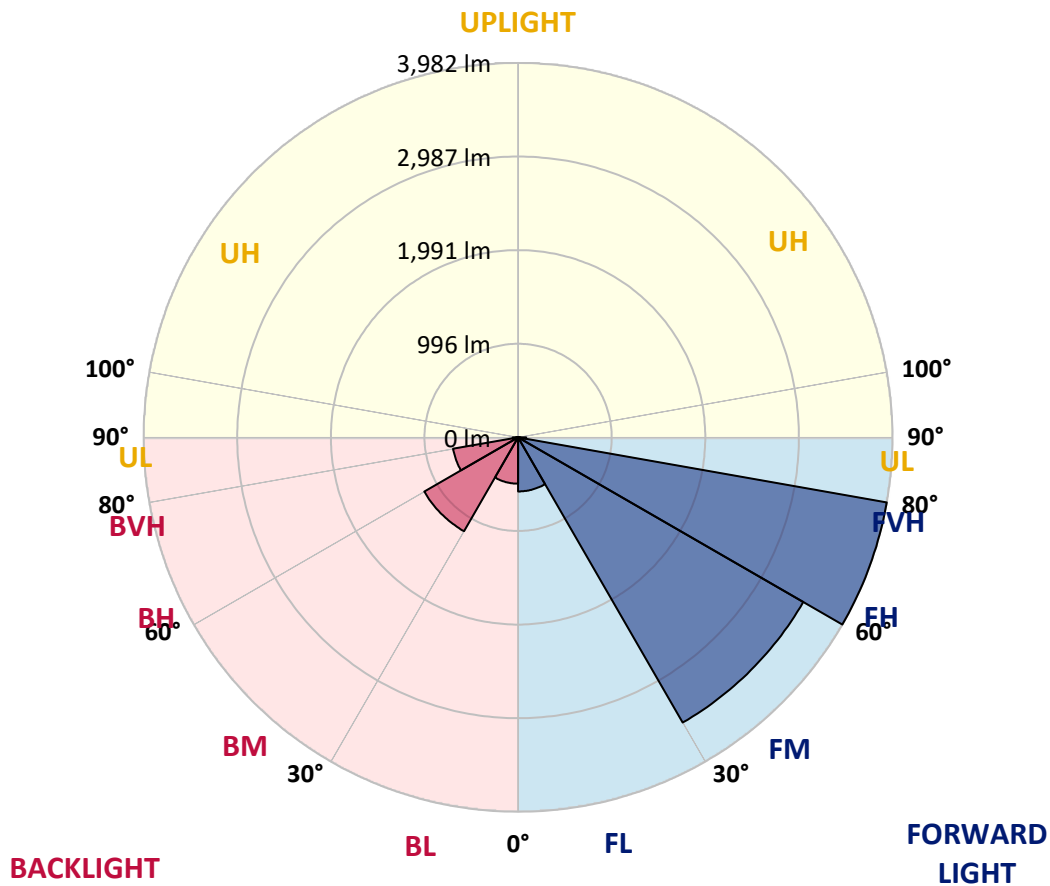
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	575.3	5.5			
FM (30°-60°)	3502.3	33.2			
FH (60°-80°)	3982.0	37.7			G2/5000
FVH (80°-90°)	85.0	0.8			G1/100
BL (0°-30°)	492.9	4.7	B1/500		
BM (30°-60°)	1151.9	10.9	B2/2500		
BH (60°-80°)	701.4	6.6	B2/1000		G2/1000
BVH (80°-90°)	57.9	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°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1115.1	1118.9	1118.2	1112.1	1108.3	1101.4	1102.2	1091.5	1075.5	1064.8	1052.6
5°	1213.5	1219.6	1212.0	1202.1	1186.8	1164.7	1162.4	1138.0	1107.5	1086.1	1064.0
7.5°	1298.9	1302.8	1293.6	1276.8	1254.7	1225.0	1219.6	1190.6	1152.5	1118.9	1086.9
10°	1365.3	1369.9	1357.7	1335.5	1306.6	1276.8	1273.0	1243.3	1202.8	1163.2	1122.7
12.5°	1421.7	1423.3	1410.3	1380.6	1349.3	1318.8	1315.0	1287.5	1250.1	1209.7	1165.5
15°	1454.5	1455.3	1439.3	1406.5	1376.7	1350.0	1347.8	1324.1	1289.8	1251.6	1204.4
17.5°	1452.2	1453.8	1442.3	1413.3	1387.4	1371.4	1369.1	1353.9	1327.2	1292.8	1245.5
20°	1424.0	1425.6	1417.9	1398.9	1385.1	1380.6	1381.3	1376.7	1360.7	1332.5	1284.4
22.5°	1401.9	1404.2	1397.3	1383.6	1382.1	1392.8	1395.0	1397.3	1389.7	1364.5	1318.0
25°	1412.6	1416.4	1405.7	1386.7	1389.7	1413.3	1417.9	1425.6	1419.5	1398.1	1357.7
27.5°	1486.6	1488.9	1461.4	1422.5	1413.3	1438.5	1445.4	1457.6	1453.0	1433.2	1401.9
30°	1658.2	1656.7	1597.9	1502.6	1464.5	1474.4	1479.7	1497.2	1498.8	1485.8	1456.1
32.5°	1900.0	1892.3	1801.6	1649.8	1539.2	1514.8	1520.9	1544.5	1562.1	1548.4	1507.9
35°	2155.5	2148.6	2048.7	1871.0	1677.3	1592.6	1585.7	1604.0	1630.7	1592.6	1534.6
37.5°	2398.8	2388.1	2285.9	2066.2	1847.3	1729.1	1719.2	1700.9	1684.9	1611.7	1567.4
40°	2668.8	2656.6	2567.4	2318.7	2035.0	1833.6	1808.4	1736.0	1721.5	1675.0	1652.8
42.5°	2957.1	2957.1	2883.1	2638.3	2261.5	1983.1	1950.3	1841.2	1856.5	1826.0	1800.1
45°	3245.4	3253.8	3195.1	2960.2	2564.3	2265.3	2212.7	2057.9	2094.5	2080.7	2067.8
47.5°	3491.0	3507.1	3495.6	3288.9	2935.0	2608.6	2528.5	2367.5	2446.1	2478.9	2515.5
50°	3755.7	3773.3	3761.8	3680.2	3369.0	3024.2	2952.5	2786.3	2921.3	3019.7	3139.4
52.5°	4148.5	4173.7	4078.3	4047.1	3896.1	3496.4	3432.3	3243.2	3488.0	3651.2	3918.2
55°	4480.3	4479.5	4446.0	4517.7	4462.0	4073.8	4002.8	3831.2	4143.9	4317.1	4707.6
57.5°	4634.4	4652.7	4767.9	4970.7	5082.1	4779.3	4711.4	4536.0	4847.9	4937.9	5359.7
60°	4713.7	4736.6	4959.3	5360.5	5660.3	5549.7	5523.0	5299.5	5474.9	5464.2	5909.7
62.5°	4602.3	4648.1	5005.8	5539.0	6072.9	6323.8	6315.4	5977.6	6008.1	5903.6	6250.6
65°	4091.3	4140.9	4702.3	5449.7	6308.6	6912.7	6915.0	6591.6	6417.7	6117.1	6193.4
67.5°	2925.9	2996.8	3690.9	4876.2	6225.4	7230.7	7257.4	6870.0	6513.8	5928.0	5592.4
70°	1594.9	1646.7	2190.6	3544.4	5476.4	7154.5	7204.0	6735.7	6089.7	5127.9	4304.9
72.5°	724.6	741.4	1019.0	1945.0	3741.2	6158.3	6365.8	6011.1	5001.3	3787.7	2737.5
75°	331.8	339.4	443.9	930.5	1954.9	4121.1	4266.7	4477.3	3480.4	2391.9	1427.1
77.5°	208.2	210.5	252.5	425.6	974.8	2057.1	2210.4	2665.8	2038.0	1183.8	596.5
80°	122.8	125.1	157.1	230.3	457.6	941.2	1086.9	1054.1	958.0	511.0	271.5
82.5°	61.8	64.1	90.8	131.2	249.4	374.5	440.9	443.1	357.0	276.9	153.3
85°	22.1	22.9	29.7	51.9	106.0	123.6	138.1	168.6	174.7	160.9	74.0
87.5°	0.0	0.0	0.8	1.5	3.1	12.2	13.0	24.4	51.1	57.2	29.7
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°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1048.8	1037.3	1033.5	1029.7	1023.6	1021.3	1016.7	1012.1	1012.1	1007.6	1005.3
5°	1054.1	1038.8	1028.9	1024.4	1020.5	1022.8	1022.8	1024.4	1029.7	1026.6	1028.2
7.5°	1073.2	1055.6	1041.9	1038.1	1038.1	1047.2	1053.3	1061.0	1070.9	1072.4	1072.4
10°	1106.7	1086.1	1071.6	1069.4	1073.2	1086.1	1095.3	1104.4	1116.6	1117.4	1118.9
12.5°	1143.3	1122.7	1108.3	1111.3	1115.1	1131.9	1141.8	1149.4	1161.6	1161.6	1160.9
15°	1181.5	1158.6	1146.4	1152.5	1163.9	1183.0	1184.5	1185.3	1191.4	1189.9	1189.1
17.5°	1221.1	1196.7	1187.6	1196.7	1208.9	1218.1	1210.5	1199.8	1197.5	1194.4	1192.9
20°	1260.0	1234.9	1231.1	1237.9	1241.7	1234.1	1210.5	1190.6	1181.5	1176.9	1175.4
22.5°	1293.6	1272.2	1270.0	1270.0	1250.9	1224.2	1189.1	1162.4	1150.2	1144.1	1142.6
25°	1333.3	1313.4	1309.6	1289.0	1240.2	1191.4	1144.1	1119.7	1109.8	1106.7	1107.5
27.5°	1379.8	1366.1	1353.9	1295.1	1209.7	1133.4	1080.0	1069.4	1065.5	1069.4	1071.6
30°	1437.0	1423.3	1395.8	1287.5	1160.9	1057.9	1006.8	1006.0	1017.5	1027.4	1028.9
32.5°	1483.5	1477.4	1432.4	1263.1	1092.2	974.8	931.3	934.4	954.9	968.7	971.0
35°	1520.1	1530.0	1462.9	1222.7	1010.6	896.2	861.9	863.4	874.9	893.9	894.7
37.5°	1572.0	1605.6	1490.4	1160.9	916.8	828.3	797.1	785.6	784.1	789.4	791.0
40°	1676.5	1726.8	1510.2	1070.9	826.0	767.3	732.2	710.1	691.0	676.5	672.0
42.5°	1834.4	1892.3	1521.7	961.8	745.2	707.1	667.4	639.2	605.6	575.1	564.4
45°	2124.2	2143.3	1521.7	845.9	673.5	650.6	611.0	577.4	534.7	498.8	491.2
47.5°	2588.0	2526.9	1523.2	733.8	610.2	601.0	566.7	528.6	481.3	451.5	447.0
50°	3286.6	3072.3	1554.5	640.7	557.6	559.1	533.9	492.0	449.3	427.1	423.3
52.5°	4078.3	3744.3	1638.4	572.1	513.3	524.8	511.0	470.6	432.5	413.4	409.6
55°	4822.8	4362.1	1710.1	523.2	475.9	495.8	495.0	457.6	423.3	404.2	402.0
57.5°	5455.8	4785.4	1699.4	483.6	443.9	469.1	480.5	449.3	417.2	401.2	398.9
60°	5849.4	5009.6	1547.6	447.0	419.5	450.0	472.1	447.0	420.3	416.5	417.2
62.5°	6020.3	4968.5	1256.2	419.5	403.5	440.9	481.3	463.0	448.5	457.6	463.0
65°	5754.8	4614.5	924.4	398.9	388.2	443.1	502.6	488.2	448.5	454.6	456.9
67.5°	5018.0	3928.1	668.2	378.3	369.2	450.0	533.2	484.3	422.6	422.6	418.0
70°	3616.1	2825.2	485.1	357.7	350.1	440.1	534.7	458.4	392.8	390.5	379.1
72.5°	2176.1	1666.6	378.3	334.8	321.1	390.5	501.1	427.9	363.8	344.8	331.0
75°	1130.4	835.2	317.3	309.7	275.3	331.0	458.4	380.6	311.2	294.4	286.8
77.5°	484.3	390.5	272.3	276.1	228.8	278.4	369.9	329.5	276.1	254.8	247.9
80°	238.7	222.0	215.1	221.2	183.1	215.1	318.8	288.3	234.2	209.8	199.8
82.5°	136.5	129.7	154.8	157.1	130.4	180.0	269.2	244.1	193.7	167.0	151.0
85°	63.3	67.9	93.8	94.6	80.8	123.6	176.2	137.3	103.0	85.4	81.6
87.5°	25.2	29.7	41.2	40.4	23.6	22.9	15.3	8.4	6.9	6.1	5.3
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)