

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: P630446

Luminaire Tested: GWS-SA1D-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5994.3 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

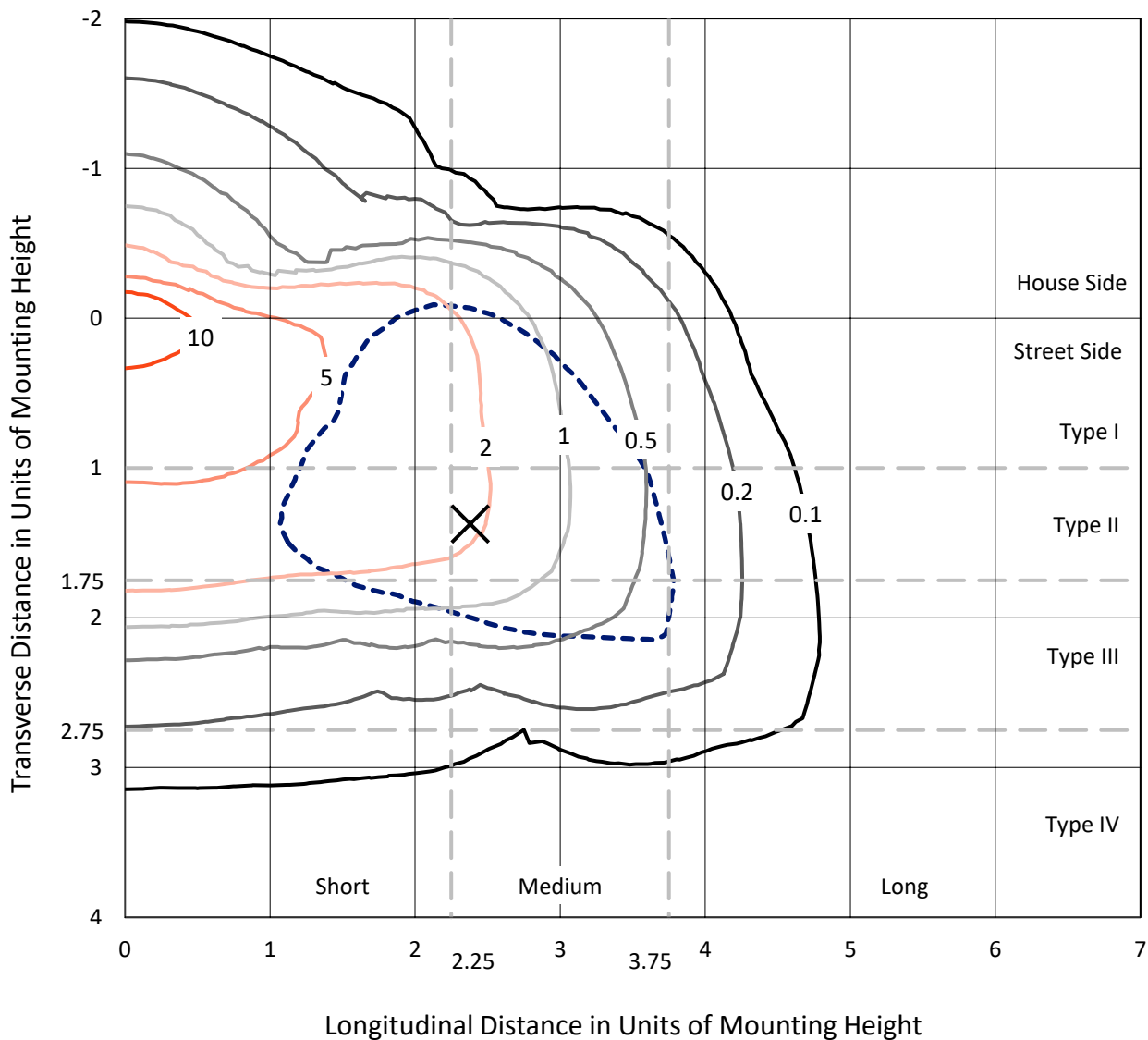
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

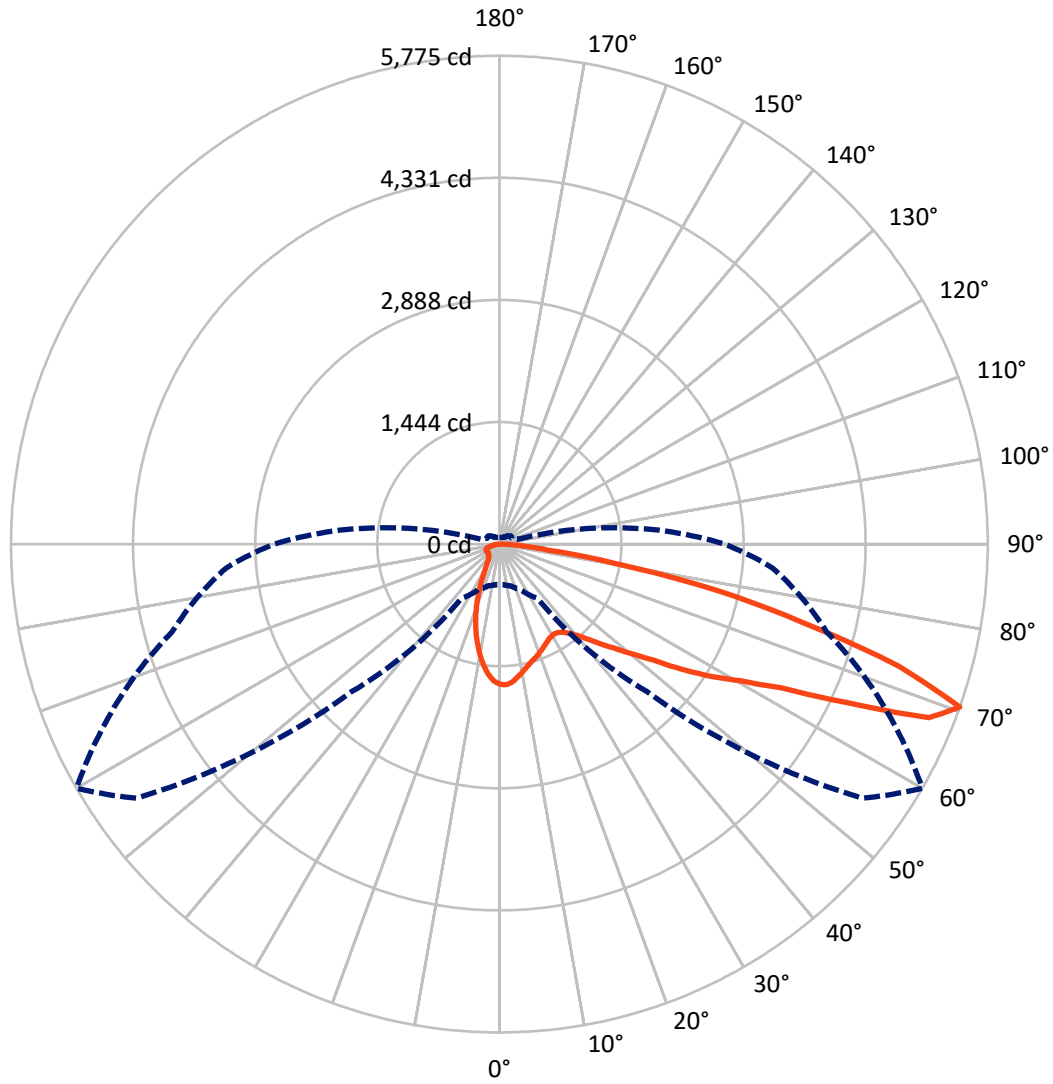
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1025.2	0.0	1025.2
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	4969.1	0.0	4969.1
	% Fixture	82.9	0.0	82.9
Total	Lumens	5994.3	0.0	5994.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	2.4
10°-20°	320.3	5.3
20°-30°	410.2	6.8
30°-40°	539.1	9.0
40°-50°	782.2	13.0
50°-60°	1220.4	20.4
60°-70°	1597.7	26.7
70°-80°	883.5	14.7
80°-90°	98.0	1.6
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°	5994.3	100.0
0°-180°	5994.3	100.0

Coefficient of Utilization



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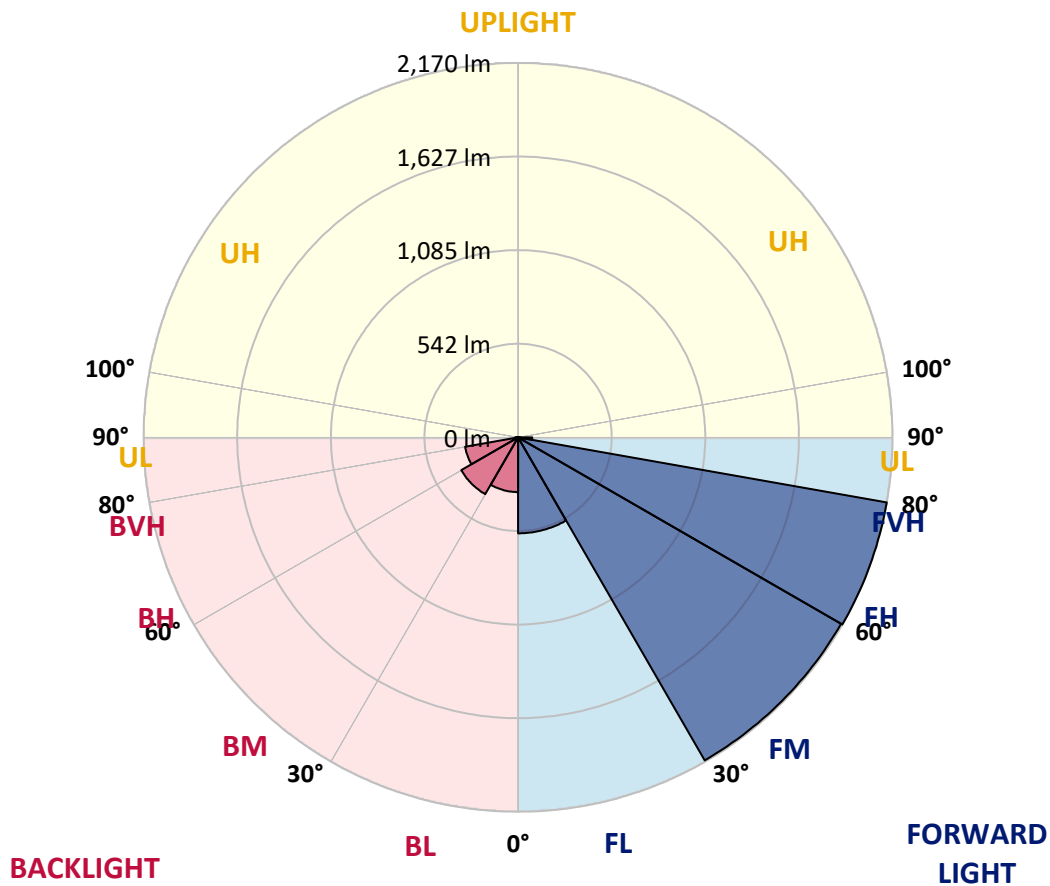
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	556.3	9.3			
FM (30°-60°)	2161.5	36.1			
FH (60°-80°)	2169.6	36.2			G2/5000
FVH (80°-90°)	81.7	1.4			G1/100
BL (0°-30°)	317.2	5.3	B1/500		
BM (30°-60°)	380.1	6.3	B1/1000		
BH (60°-80°)	311.5	5.2	B1/500		G1/500
BVH (80°-90°)	16.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1635.5	1637.2	1642.0	1649.1	1656.1	1659.6	1668.3	1665.7	1664.0	1660.5	1656.1
5°	1563.1	1566.6	1571.0	1584.6	1599.9	1612.2	1631.9	1634.1	1635.0	1636.8	1629.8
7.5°	1471.0	1471.9	1482.4	1500.4	1520.5	1541.6	1574.5	1583.7	1591.6	1600.4	1594.7
10°	1369.2	1371.4	1379.3	1405.2	1439.9	1471.0	1515.3	1530.6	1547.3	1566.6	1558.7
12.5°	1285.9	1286.3	1299.1	1326.7	1364.4	1406.5	1461.8	1480.2	1502.1	1532.4	1525.4
15°	1219.7	1219.7	1231.5	1255.2	1298.6	1348.2	1414.0	1437.7	1467.5	1508.3	1496.0
17.5°	1167.1	1167.5	1174.9	1199.9	1238.5	1293.4	1371.4	1403.4	1436.3	1490.3	1471.9
20°	1139.4	1137.2	1138.5	1153.9	1186.8	1239.9	1328.9	1366.2	1410.5	1478.0	1449.9
22.5°	1138.1	1134.2	1128.5	1129.8	1149.1	1192.9	1283.3	1328.5	1384.2	1467.9	1427.6
25°	1160.5	1156.1	1146.0	1134.6	1132.8	1159.2	1240.3	1291.6	1357.0	1463.5	1406.1
27.5°	1198.2	1195.1	1182.0	1164.9	1146.9	1146.0	1207.8	1261.3	1337.2	1467.9	1390.7
30°	1248.2	1242.9	1234.6	1212.7	1185.5	1157.4	1195.1	1245.1	1324.1	1482.0	1384.2
32.5°	1304.8	1301.7	1293.8	1271.9	1242.9	1198.2	1205.2	1248.6	1324.1	1506.5	1385.5
35°	1364.9	1364.4	1364.4	1349.9	1317.9	1262.2	1245.1	1278.5	1344.2	1546.0	1399.5
37.5°	1423.2	1422.7	1436.8	1442.0	1405.6	1345.6	1313.1	1338.1	1388.5	1604.3	1434.1
40°	1470.6	1472.3	1503.0	1529.3	1509.1	1453.4	1407.8	1420.6	1460.5	1687.2	1494.7
42.5°	1518.4	1523.2	1569.2	1615.7	1623.6	1575.4	1529.3	1536.8	1563.5	1796.9	1585.0
45°	1570.5	1572.7	1637.2	1702.1	1740.3	1711.8	1674.1	1684.1	1690.3	1932.4	1719.7
47.5°	1621.0	1626.7	1710.0	1799.0	1871.4	1868.8	1847.7	1844.7	1846.0	2097.3	1878.9
50°	1689.8	1698.2	1796.0	1903.4	2009.6	2058.2	2064.4	2041.1	2031.5	2280.6	2077.1
52.5°	1820.5	1820.5	1908.3	2013.9	2156.5	2277.1	2318.3	2280.2	2249.5	2474.5	2287.6
55°	1984.1	1991.1	2060.9	2146.4	2327.1	2507.3	2646.8	2604.7	2517.9	2685.4	2508.2
57.5°	2056.9	2065.7	2176.2	2309.1	2550.3	2769.2	2962.6	2947.7	2820.9	2904.7	2737.2
60°	1925.4	1943.8	2096.0	2318.8	2752.5	3191.5	3327.9	3284.5	3103.4	3135.0	2985.4
62.5°	1606.1	1626.2	1795.1	2106.0	2724.4	3648.1	3903.8	3743.7	3456.0	3425.7	3316.1
65°	958.3	957.4	1160.5	1572.7	2378.4	3774.8	4815.1	4516.5	4000.7	3824.8	3656.4
67.5°	609.2	607.9	650.4	833.3	1582.8	3464.3	5401.1	5478.7	4740.6	4118.2	3684.5
70°	480.7	480.2	510.9	594.3	782.9	2465.2	5237.9	5775.2	5187.5	4006.4	3244.2
72.5°	350.4	351.3	398.7	497.8	603.9	1237.7	4241.5	4941.5	4771.3	3536.7	2633.7
75°	251.7	253.1	281.6	381.1	557.0	676.7	2820.5	3715.6	3630.1	2835.0	1811.8
77.5°	160.1	161.8	186.8	267.1	450.0	546.5	1710.0	2623.1	2415.2	1597.3	644.3
80°	97.8	103.5	124.6	199.1	359.6	410.1	854.8	1382.0	1209.6	438.1	216.7
82.5°	50.4	54.8	75.0	123.2	247.8	360.1	483.8	580.7	374.5	183.3	115.3
85°	15.8	18.4	26.3	50.0	118.0	223.2	320.2	288.6	171.9	86.4	53.5
87.5°	3.9	3.9	4.4	4.4	4.8	10.1	61.8	65.3	45.6	27.2	21.9
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°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1647.3	1636.8	1632.4	1631.9	1621.0	1605.2	1594.7	1587.2	1582.8	1581.9	1581.9
5°	1617.9	1604.3	1586.3	1572.7	1543.4	1513.5	1488.5	1474.5	1458.3	1456.1	1455.6
7.5°	1578.9	1559.1	1524.9	1486.8	1435.5	1385.9	1343.8	1315.3	1286.8	1281.5	1279.8
10°	1536.8	1510.0	1451.7	1384.6	1307.8	1233.7	1169.2	1118.8	1085.5	1061.8	1057.4
12.5°	1495.1	1459.6	1374.1	1274.1	1168.8	1067.5	970.6	888.1	828.5	793.8	787.7
15°	1456.1	1406.5	1289.4	1161.8	1025.0	886.4	749.1	642.1	558.3	528.5	521.5
17.5°	1420.6	1358.7	1207.4	1045.6	875.0	693.8	537.7	442.5	393.4	378.5	375.0
20°	1385.0	1309.6	1124.1	923.2	715.8	512.7	393.0	348.2	329.8	324.1	322.4
22.5°	1346.9	1255.6	1033.3	802.6	554.8	383.8	321.5	301.7	296.0	296.5	296.0
25°	1308.7	1200.8	938.1	671.5	413.1	311.4	280.7	273.2	274.5	278.5	279.4
27.5°	1277.1	1152.1	844.7	527.6	322.8	268.0	253.5	253.1	257.9	263.1	264.0
30°	1254.3	1108.7	752.6	405.7	265.8	238.1	232.4	235.1	240.8	244.7	246.0
32.5°	1238.1	1071.4	654.4	318.8	232.9	217.1	214.5	217.1	220.6	224.6	225.4
35°	1232.4	1044.3	557.9	260.1	210.5	201.7	200.0	201.3	203.1	205.3	206.1
37.5°	1245.1	1030.7	457.0	226.3	196.9	191.7	189.0	188.1	188.6	189.5	189.9
40°	1282.8	1036.8	374.5	206.6	188.1	183.3	178.9	177.2	176.7	177.6	177.2
42.5°	1347.7	1062.7	314.9	195.2	181.1	174.1	169.3	167.5	167.5	169.7	169.7
45°	1442.9	1113.5	271.9	186.8	175.0	166.2	161.0	160.1	161.8	165.3	165.8
47.5°	1582.4	1188.1	246.0	180.7	169.3	159.2	153.9	153.5	157.0	162.7	163.2
50°	1747.7	1295.6	232.0	176.3	165.3	153.5	148.2	148.7	152.6	158.8	160.1
52.5°	1946.8	1442.0	232.9	174.6	163.2	150.0	144.7	143.9	147.8	153.9	155.3
55°	2152.5	1620.1	250.0	175.0	160.1	148.2	141.2	138.2	141.7	146.0	146.5
57.5°	2378.8	1821.0	292.5	174.1	156.1	146.5	138.2	131.1	133.3	136.0	137.3
60°	2634.1	2057.4	384.2	175.9	154.4	142.5	132.0	122.8	122.4	124.1	124.6
62.5°	2975.3	2378.8	487.3	178.9	158.3	137.7	122.8	113.2	111.4	112.3	112.7
65°	3236.3	2532.3	454.8	176.3	166.7	134.2	114.0	103.9	100.4	99.6	99.6
67.5°	3130.1	2329.3	316.7	169.3	170.6	134.6	107.0	94.3	89.9	87.7	87.3
70°	2663.5	1892.0	220.2	162.3	166.2	133.8	99.6	86.4	80.7	77.6	77.2
72.5°	2104.3	1444.7	178.1	148.2	150.9	120.6	88.6	77.6	72.8	68.9	68.9
75°	1354.3	881.5	148.7	132.0	123.2	93.9	76.8	69.3	64.5	60.5	60.5
77.5°	455.7	327.2	115.3	111.8	92.1	70.6	64.5	59.6	55.7	52.2	51.8
80°	185.1	155.3	84.6	84.6	64.5	53.9	50.4	48.2	45.6	41.2	41.2
82.5°	107.5	94.3	59.2	51.3	43.0	37.3	35.1	32.9	32.9	29.8	29.8
85°	51.8	52.2	35.5	31.6	24.6	21.5	20.6	19.3	18.9	17.1	16.7
87.5°	28.1	28.5	18.0	14.0	9.6	8.3	7.0	6.6	6.1	5.7	5.7
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)