

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: P631321

Luminaire Tested: GWS-SA1F-740-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-740-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6678.6 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

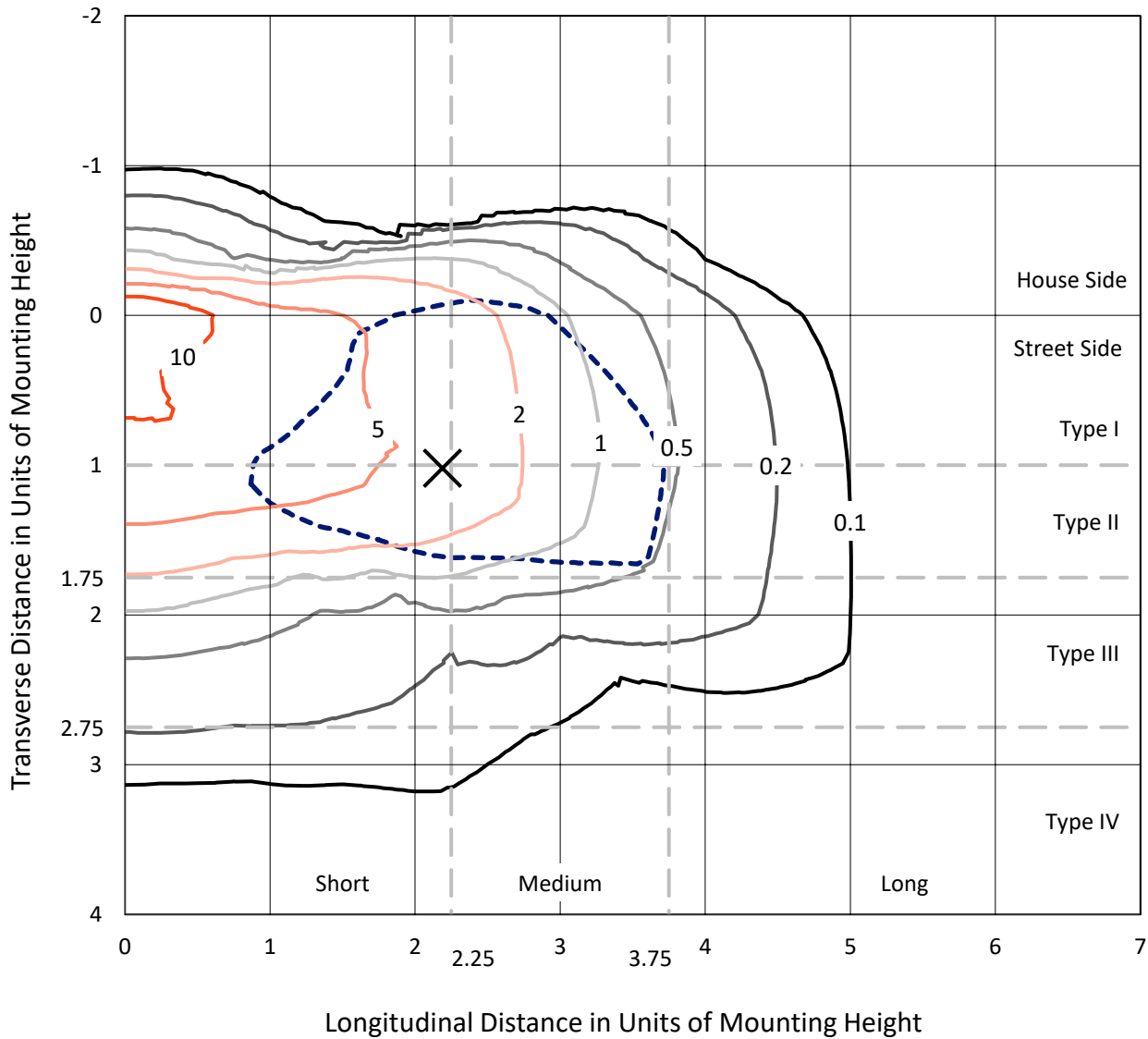
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

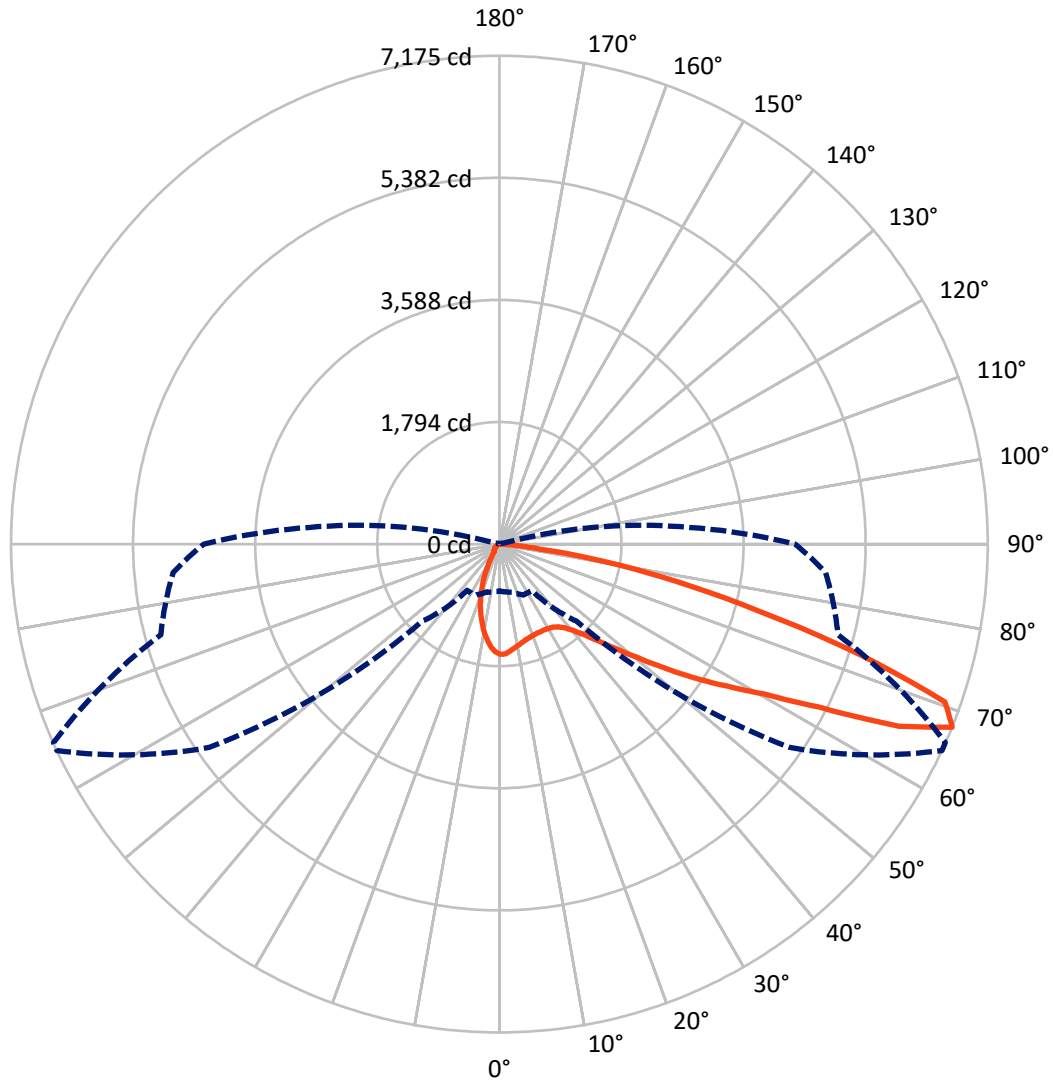
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	833.9	0.0	833.9
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	5844.6	0.0	5844.6
	% Fixture	87.5	0.0	87.5
Total	Lumens	6678.6	0.0	6678.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.5	2.0
10°-20°	302.4	4.5
20°-30°	432.1	6.5
30°-40°	628.7	9.4
40°-50°	984.7	14.7
50°-60°	1536.1	23.0
60°-70°	1687.3	25.3
70°-80°	898.0	13.4
80°-90°	74.7	1.1
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°	6678.6	100.0
0°-180°	6678.6	100.0

Coefficient of Utilization



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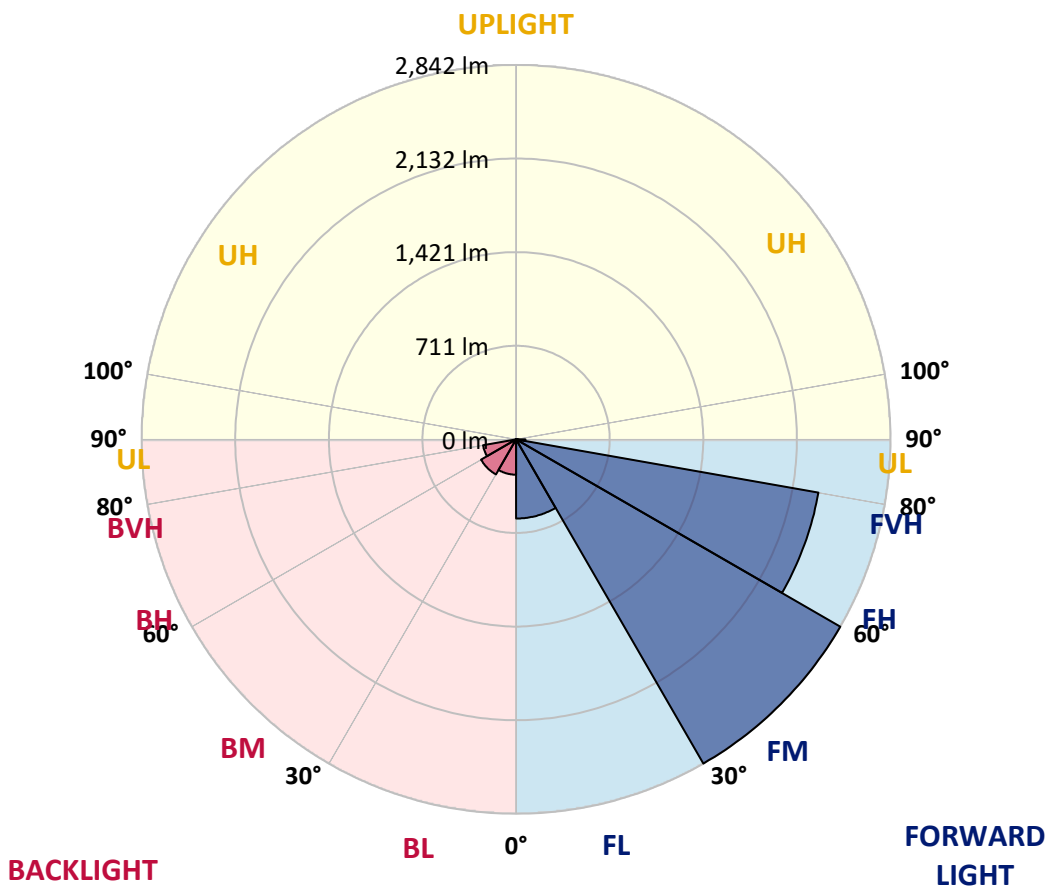
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	601.0	9.0			
FM (30°-60°)	2842.3	42.6			
FH (60°-80°)	2330.6	34.9			G2/5000
FVH (80°-90°)	70.8	1.1			G1/100
BL (0°-30°)	268.0	4.0	B1/500		
BM (30°-60°)	307.2	4.6	B1/1000		
BH (60°-80°)	254.7	3.8	B1/500		G1/500
BVH (80°-90°)	4.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8
2.5°	1563.6	1568.4	1561.8	1578.1	1581.1	1599.2	1609.5	1616.8	1616.1	1625.2	1625.2
5°	1471.8	1476.6	1473.0	1490.5	1504.4	1532.8	1556.4	1583.5	1584.7	1612.5	1622.8
7.5°	1393.9	1394.5	1394.5	1416.2	1434.4	1469.4	1504.4	1546.1	1550.9	1593.8	1621.0
10°	1329.9	1331.7	1332.3	1357.1	1377.0	1419.3	1464.0	1514.1	1519.5	1577.5	1619.8
12.5°	1285.8	1286.4	1288.8	1314.8	1336.5	1380.6	1425.9	1483.3	1490.5	1558.8	1614.3
15°	1264.7	1263.4	1264.7	1286.4	1308.1	1350.4	1396.9	1458.5	1466.4	1543.1	1614.9
17.5°	1263.4	1261.6	1260.4	1276.7	1290.6	1328.1	1375.2	1442.2	1450.7	1535.8	1621.6
20°	1281.0	1279.8	1273.7	1281.0	1284.0	1314.8	1361.3	1429.5	1438.0	1534.6	1636.1
22.5°	1326.9	1323.8	1314.8	1308.1	1291.8	1309.9	1351.6	1420.5	1430.1	1537.6	1654.8
25°	1395.1	1393.9	1382.4	1366.1	1324.4	1317.2	1352.2	1420.5	1429.5	1541.3	1674.7
27.5°	1497.8	1490.5	1476.0	1447.6	1387.9	1345.6	1364.3	1424.1	1433.2	1546.1	1691.0
30°	1602.3	1601.7	1596.8	1567.8	1479.1	1399.9	1389.7	1433.8	1442.2	1550.3	1706.1
32.5°	1710.4	1712.2	1724.3	1701.9	1604.7	1480.9	1435.6	1453.7	1459.7	1558.8	1719.4
35°	1813.0	1816.7	1848.7	1856.5	1757.5	1603.5	1510.5	1493.5	1494.2	1577.5	1736.9
37.5°	1911.5	1923.6	1974.9	2012.9	1947.7	1752.0	1618.6	1561.2	1556.4	1614.9	1763.5
40°	2023.2	2046.2	2110.8	2175.4	2154.9	1948.3	1765.9	1665.1	1654.8	1683.8	1811.2
42.5°	2147.0	2171.8	2257.5	2348.1	2357.8	2185.7	1950.1	1816.7	1799.1	1799.7	1900.6
45°	2279.9	2313.1	2412.7	2543.2	2601.8	2450.2	2177.2	2021.4	2003.9	1977.9	2044.3
47.5°	2454.4	2483.4	2579.4	2729.8	2842.1	2734.0	2475.0	2284.7	2252.7	2214.7	2267.8
50°	2604.8	2630.2	2712.9	2901.3	3135.1	3100.0	2812.6	2613.9	2583.1	2518.4	2562.5
52.5°	2638.0	2657.9	2734.0	2946.0	3359.1	3562.0	3226.3	3011.9	2990.1	2870.5	2887.4
55°	2488.8	2519.0	2587.3	2822.8	3417.7	4013.8	3763.2	3460.6	3415.3	3224.4	3254.6
57.5°	2112.0	2165.7	2229.8	2536.0	3258.9	4254.2	4513.3	3935.9	3894.8	3565.1	3565.7
60°	1547.9	1591.4	1634.3	1914.5	2882.0	4237.9	5193.9	4469.8	4394.9	3843.5	3833.2
62.5°	1125.7	1148.1	1147.5	1247.1	1979.1	3958.8	5551.4	5274.2	5099.7	4141.2	4082.6
65°	885.4	884.8	910.7	943.4	1105.2	3055.9	5595.5	6448.9	6260.5	4540.4	4418.4
67.5°	689.1	702.4	728.4	824.4	830.4	1599.2	5207.8	7175.4	7171.8	5149.8	4811.6
70°	531.5	549.6	586.4	726.5	767.0	895.0	3896.6	6945.3	7003.9	5422.2	4533.2
72.5°	341.2	340.0	394.4	587.0	736.8	745.9	2154.9	5517.0	5583.4	4911.3	3665.3
75°	190.8	192.1	222.9	359.3	686.7	701.8	1067.2	3934.1	3986.6	3829.0	2816.2
77.5°	74.9	77.3	104.5	189.0	453.0	626.9	634.1	2682.7	2690.6	2372.9	1727.3
80°	30.2	32.0	53.1	117.2	276.0	422.2	453.0	1580.5	1548.5	918.6	502.5
82.5°	9.1	9.7	21.1	66.4	144.3	300.2	305.6	606.4	572.5	197.5	128.0
85°	0.6	0.6	4.8	20.5	51.3	75.5	203.5	197.5	175.1	49.5	56.8
87.5°	0.0	0.0	0.6	0.6	1.2	2.4	21.7	36.2	36.8	9.1	25.4
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°	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8	1619.8
2.5°	1625.2	1603.5	1601.7	1584.7	1567.8	1546.7	1521.9	1503.8	1491.1	1468.8	1464.6
5°	1622.8	1593.8	1566.6	1518.3	1464.6	1406.6	1355.8	1308.7	1279.1	1259.2	1250.8
7.5°	1618.0	1581.1	1518.3	1427.1	1337.1	1235.7	1156.5	1084.1	1034.6	1005.6	992.9
10°	1614.3	1564.8	1462.7	1324.4	1184.9	1044.8	924.6	817.1	757.3	710.2	702.4
12.5°	1607.1	1541.3	1391.5	1204.3	1024.3	838.3	684.9	553.2	462.0	420.9	406.5
15°	1599.8	1516.5	1320.2	1077.4	849.1	619.6	433.6	306.8	244.0	224.7	223.5
17.5°	1598.6	1494.2	1242.9	957.2	665.5	405.8	247.0	198.7	185.4	180.6	180.6
20°	1602.3	1475.4	1166.8	818.9	485.0	247.0	184.2	172.1	164.3	160.0	160.0
22.5°	1605.9	1456.1	1093.7	679.4	321.9	180.6	162.5	152.2	143.1	138.3	135.9
25°	1608.3	1435.0	1012.8	539.3	210.2	157.0	142.5	129.2	118.4	112.3	112.3
27.5°	1607.7	1409.6	931.3	402.2	163.1	139.5	122.0	108.1	97.2	90.6	91.2
30°	1602.9	1381.8	846.7	280.8	142.5	122.0	104.5	90.0	79.1	73.7	73.1
32.5°	1599.2	1352.2	748.9	197.5	128.0	106.9	88.8	74.9	65.8	61.6	61.0
35°	1595.0	1323.2	655.9	150.4	115.4	92.4	74.9	63.4	56.2	52.5	52.5
37.5°	1596.2	1293.0	555.0	129.2	102.7	80.3	64.0	54.4	48.3	44.7	44.1
40°	1614.9	1274.9	456.0	117.2	91.2	69.5	55.6	47.1	41.1	37.4	36.8
42.5°	1661.4	1275.5	361.2	108.1	80.9	59.2	48.3	40.5	35.0	30.8	30.2
45°	1754.4	1300.9	277.2	98.4	70.1	51.3	41.7	34.4	29.0	25.4	24.8
47.5°	1906.6	1376.4	210.2	90.0	61.0	44.7	35.6	29.0	24.2	21.1	20.5
50°	2148.8	1512.9	165.5	79.7	51.3	38.7	30.2	24.2	19.9	16.9	16.3
52.5°	2439.9	1717.6	141.9	70.7	44.1	33.8	26.0	19.9	16.3	13.9	13.3
55°	2774.5	1962.2	131.1	61.6	37.4	29.0	21.1	16.3	13.3	11.5	10.3
57.5°	3081.3	2182.6	130.5	52.5	32.0	24.8	17.5	13.9	11.5	9.1	8.5
60°	3380.3	2366.8	122.6	43.5	27.8	20.5	15.1	11.5	9.7	7.9	7.2
62.5°	3651.4	2516.6	102.7	35.0	23.6	16.9	12.7	10.3	8.5	6.6	6.6
65°	3992.1	2707.5	78.5	28.4	19.3	13.9	10.9	9.1	7.9	6.0	6.0
67.5°	4344.2	2808.3	56.2	23.6	15.7	12.1	9.7	8.5	6.6	5.4	5.4
70°	3934.7	2372.9	40.5	19.3	13.3	10.3	8.5	7.9	6.6	5.4	4.8
72.5°	3072.9	1711.0	30.2	15.1	11.5	9.7	7.9	7.2	6.0	4.8	4.8
75°	2278.7	997.7	22.9	12.1	9.1	7.9	7.9	7.2	6.0	4.8	4.2
77.5°	1238.7	347.9	17.5	9.7	7.2	6.0	6.6	6.6	5.4	4.2	3.6
80°	327.9	95.4	12.1	7.2	6.0	4.8	4.8	6.0	4.8	3.6	3.6
82.5°	95.4	27.8	8.5	6.0	4.8	4.2	4.2	4.2	3.6	3.0	2.4
85°	46.5	10.3	6.0	4.8	4.2	3.6	3.0	3.0	2.4	1.8	1.8
87.5°	20.5	4.2	4.8	4.2	4.2	3.0	2.4	1.8	1.8	1.2	0.6
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)