

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: P631266

Luminaire Tested: GWS-SA1F-735-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631266
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6587 lumens
Efficiency: N/A
Efficacy: 98.0 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

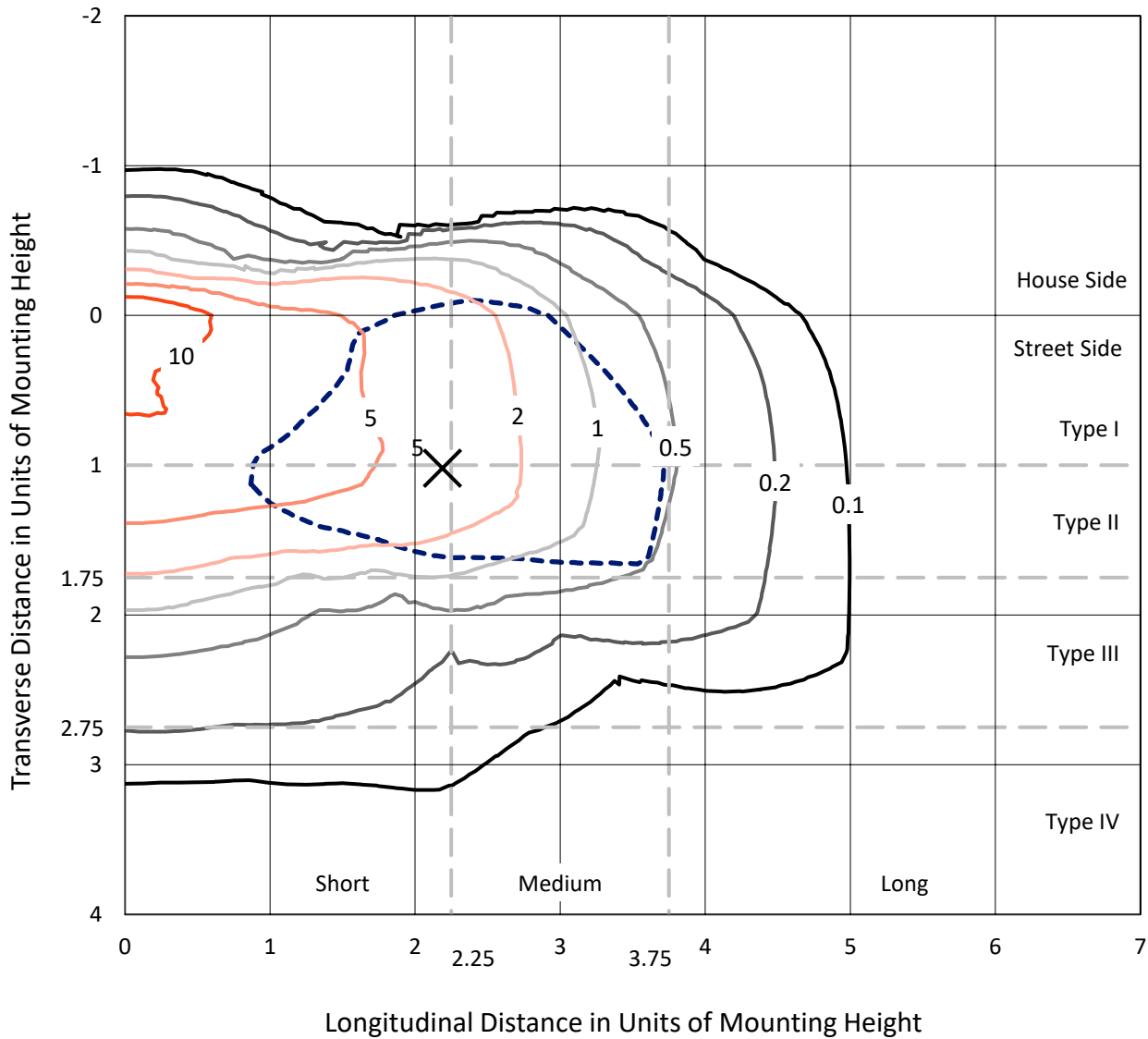
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

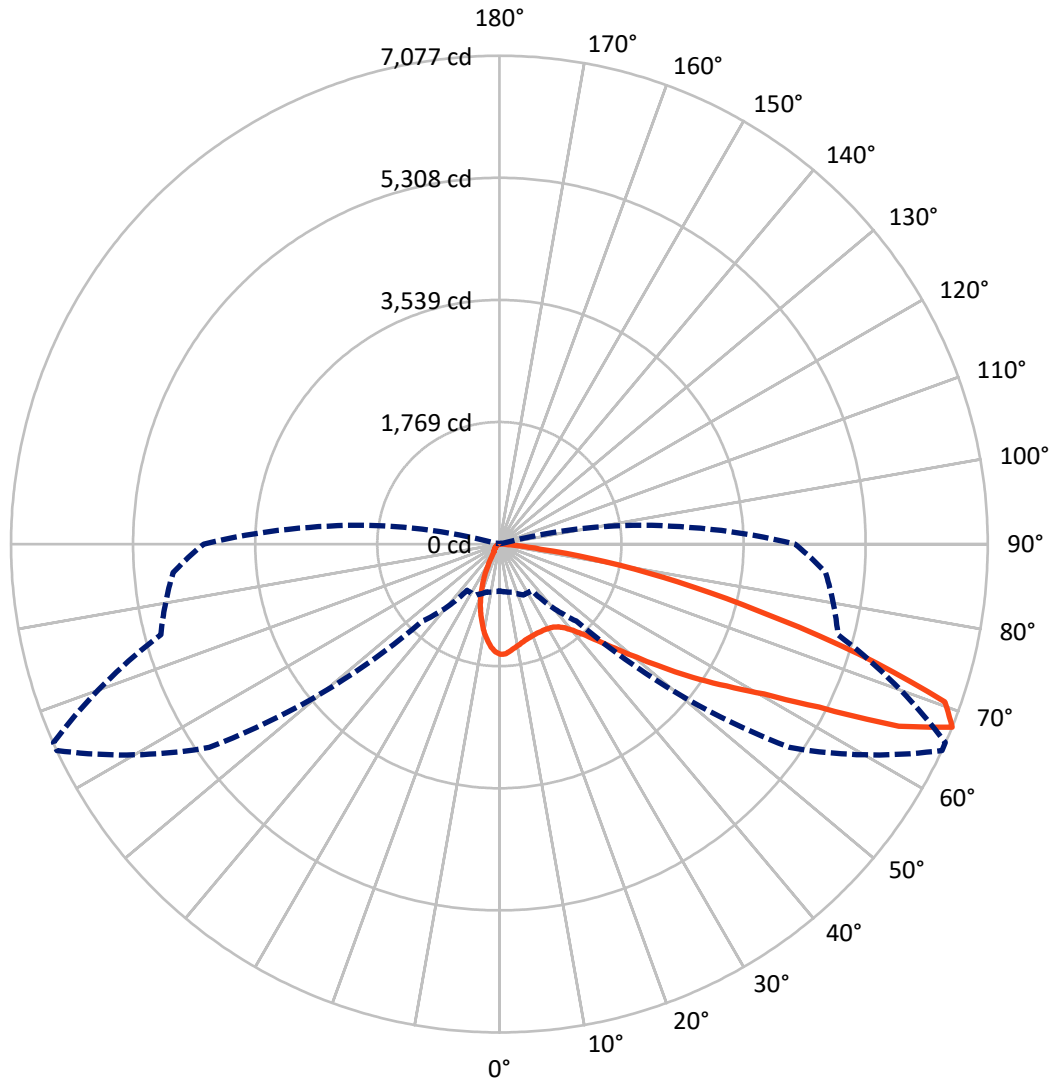
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16 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	822.5	0.0	822.5
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	5764.5	0.0	5764.5
	% Fixture	87.5	0.0	87.5
Total	Lumens	6587.0	0.0	6587.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	2.0
10°-20°	298.3	4.5
20°-30°	426.2	6.5
30°-40°	620.1	9.4
40°-50°	971.2	14.7
50°-60°	1515.0	23.0
60°-70°	1664.2	25.3
70°-80°	885.7	13.4
80°-90°	73.7	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°	6587.0	100.0
0°-180°	6587.0	100.0

Coefficient of Utilization



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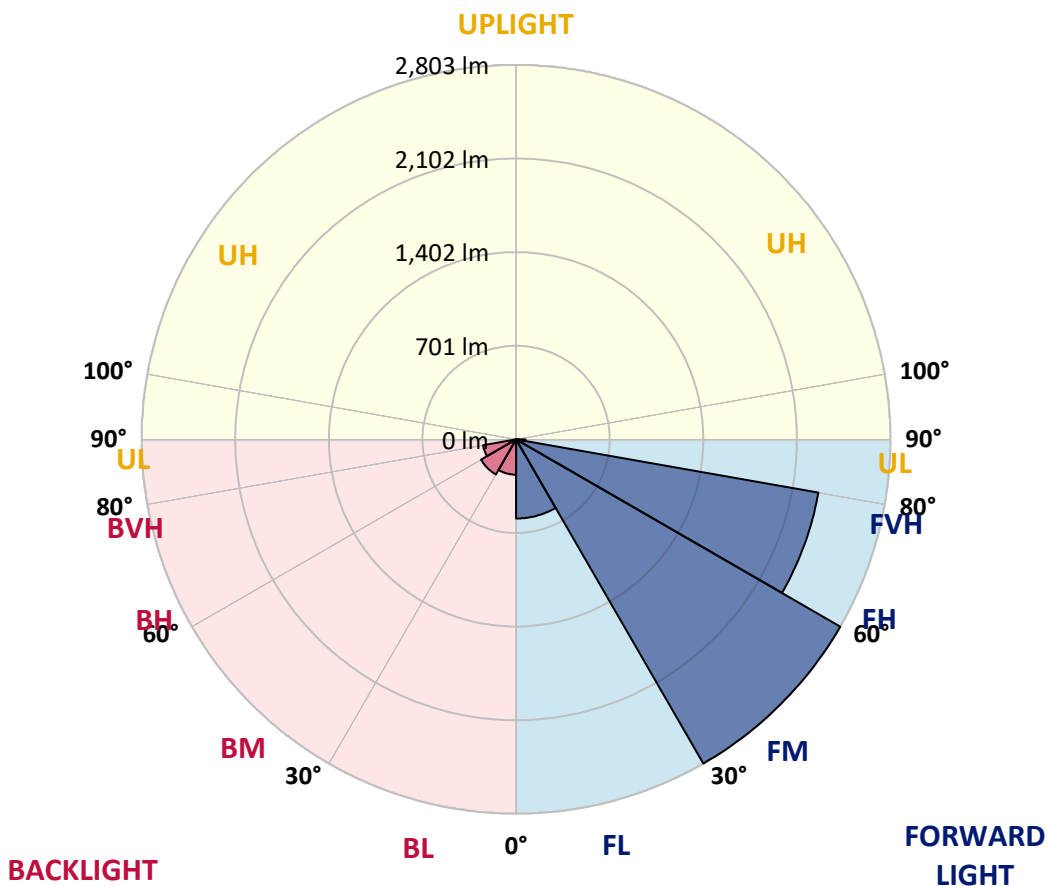
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	592.8	9.0			
FM (30°-60°)	2803.3	42.6			
FH (60°-80°)	2298.6	34.9			G2/5000
FVH (80°-90°)	69.8	1.1			G1/100
BL (0°-30°)	264.4	4.0	B1/500		
BM (30°-60°)	303.0	4.6	B1/1000		
BH (60°-80°)	251.2	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°	1597.6	1597.6	1597.6	1597.6	1597.6	1597.6	1597.6	1597.6	1597.6	1597.6	1597.6
2.5°	1542.2	1546.9	1540.4	1556.5	1559.4	1577.3	1587.4	1594.6	1594.0	1602.9	1602.9
5°	1451.6	1456.4	1452.8	1470.1	1483.8	1511.8	1535.0	1561.8	1563.0	1590.4	1600.5
7.5°	1374.8	1375.4	1375.4	1396.8	1414.7	1449.2	1483.8	1524.9	1529.6	1571.9	1598.7
10°	1311.6	1313.4	1314.0	1338.4	1358.1	1399.8	1443.9	1493.3	1498.7	1555.9	1597.6
12.5°	1268.2	1268.8	1271.1	1296.7	1318.2	1361.7	1406.3	1462.9	1470.1	1537.4	1592.2
15°	1247.3	1246.1	1247.3	1268.8	1290.2	1331.9	1377.8	1438.5	1446.3	1521.9	1592.8
17.5°	1246.1	1244.3	1243.1	1259.2	1272.9	1309.9	1356.3	1422.4	1430.8	1514.8	1599.3
20°	1263.4	1262.2	1256.2	1263.4	1266.4	1296.7	1342.6	1409.9	1418.3	1513.6	1613.6
22.5°	1308.7	1305.7	1296.7	1290.2	1274.1	1292.0	1333.1	1401.0	1410.5	1516.5	1632.1
25°	1376.0	1374.8	1363.5	1347.4	1306.3	1299.1	1333.7	1401.0	1409.9	1520.1	1651.8
27.5°	1477.2	1470.1	1455.8	1427.8	1368.8	1327.1	1345.6	1404.6	1413.5	1524.9	1667.8
30°	1580.3	1579.7	1574.9	1546.3	1458.8	1380.7	1370.6	1414.1	1422.4	1529.1	1682.7
32.5°	1686.9	1688.7	1700.6	1678.6	1582.7	1460.6	1415.9	1433.7	1439.7	1537.4	1695.8
35°	1788.2	1791.7	1823.3	1831.1	1733.4	1581.5	1489.7	1473.1	1473.7	1555.9	1713.1
37.5°	1885.3	1897.2	1947.8	1985.3	1921.0	1728.0	1596.4	1539.8	1535.0	1592.8	1739.3
40°	1995.5	2018.1	2081.8	2145.6	2125.3	1921.6	1741.7	1642.2	1632.1	1660.7	1786.4
42.5°	2117.6	2142.0	2226.6	2315.9	2325.4	2155.7	1923.4	1791.7	1774.5	1775.1	1874.5
45°	2248.6	2281.4	2379.7	2508.3	2566.1	2416.6	2147.3	1993.7	1976.4	1950.8	2016.3
47.5°	2420.8	2449.3	2544.1	2692.4	2803.2	2696.5	2441.0	2253.4	2221.8	2184.3	2236.7
50°	2569.1	2594.1	2675.7	2861.5	3092.1	3057.5	2774.0	2578.0	2547.6	2483.9	2527.4
52.5°	2601.8	2621.5	2696.5	2905.6	3313.1	3513.2	3182.0	2970.5	2949.1	2831.2	2847.8
55°	2454.7	2484.5	2551.8	2784.1	3370.8	3958.7	3711.5	3413.1	3368.4	3180.2	3210.0
57.5°	2083.0	2136.0	2199.2	2501.2	3214.2	4195.8	4451.4	3881.9	3841.4	3516.2	3516.8
60°	1526.7	1569.6	1611.9	1888.2	2842.5	4179.7	5122.7	4408.5	4334.6	3790.8	3780.6
62.5°	1110.3	1132.3	1131.8	1230.0	1952.0	3904.5	5475.3	5201.9	5029.7	4084.4	4026.6
65°	873.2	872.6	898.3	930.4	1090.1	3014.0	5518.8	6360.4	6174.6	4478.2	4357.8
67.5°	679.6	692.8	718.4	813.1	819.0	1577.3	5136.4	7077.0	7073.4	5079.2	4745.6
70°	524.2	542.0	578.4	716.6	756.5	882.8	3843.2	6850.1	6907.8	5347.8	4471.0
72.5°	336.5	335.4	389.0	579.0	726.7	735.6	2125.3	5441.3	5506.9	4843.9	3615.0
75°	188.2	189.4	219.8	354.4	677.3	692.2	1052.5	3880.1	3931.9	3776.5	2777.6
77.5°	73.9	76.2	103.0	186.4	446.7	618.3	625.4	2645.9	2653.7	2340.3	1703.6
80°	29.8	31.6	52.4	115.6	272.2	416.4	446.7	1558.8	1527.3	906.0	495.6
82.5°	8.9	9.5	20.8	65.5	142.4	296.0	301.4	598.0	564.7	194.8	126.3
85°	0.6	0.6	4.8	20.3	50.6	74.5	200.7	194.8	172.7	48.8	56.0
87.5°	0.0	0.0	0.6	0.6	1.2	2.4	21.4	35.7	36.3	8.9	25.0
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°	1597.6	1597.6	1597.6	1597.6	1597.6	1597.6	1597.6	1597.6	1597.6	1597.6	1597.6
2.5°	1602.9	1581.5	1579.7	1563.0	1546.3	1525.5	1501.1	1483.2	1470.7	1448.6	1444.5
5°	1600.5	1571.9	1545.1	1497.5	1444.5	1387.3	1337.3	1290.8	1261.6	1241.9	1233.6
7.5°	1595.8	1559.4	1497.5	1407.5	1318.8	1218.7	1140.7	1069.2	1020.4	991.8	979.3
10°	1592.2	1543.4	1442.7	1306.3	1168.7	1030.5	912.0	805.9	747.0	700.5	692.8
12.5°	1585.0	1520.1	1372.4	1187.7	1010.2	826.8	675.5	545.6	455.7	415.2	400.9
15°	1577.9	1495.7	1302.1	1062.7	837.5	611.1	427.7	302.6	240.6	221.6	220.4
17.5°	1576.7	1473.7	1225.9	944.1	656.4	400.3	243.6	196.0	182.9	178.1	178.1
20°	1580.3	1455.2	1150.8	807.7	478.3	243.6	181.7	169.8	162.0	157.8	157.8
22.5°	1583.9	1436.1	1078.7	670.1	317.5	178.1	160.2	150.1	141.2	136.4	134.0
25°	1586.2	1415.3	998.9	531.9	207.3	154.9	140.6	127.5	116.7	110.8	110.8
27.5°	1585.6	1390.3	918.5	396.7	160.8	137.6	120.3	106.6	95.9	89.3	89.9
30°	1580.9	1362.9	835.1	277.0	140.6	120.3	103.0	88.8	78.0	72.7	72.1
32.5°	1577.3	1333.7	738.6	194.8	126.3	105.4	87.6	73.9	64.9	60.8	60.2
35°	1573.1	1305.1	646.9	148.3	113.8	91.1	73.9	62.5	55.4	51.8	51.8
37.5°	1574.3	1275.3	547.4	127.5	101.3	79.2	63.1	53.6	47.7	44.1	43.5
40°	1592.8	1257.4	449.7	115.6	89.9	68.5	54.8	46.5	40.5	36.9	36.3
42.5°	1638.7	1258.0	356.2	106.6	79.8	58.4	47.7	39.9	34.5	30.4	29.8
45°	1730.4	1283.0	273.4	97.1	69.1	50.6	41.1	34.0	28.6	25.0	24.4
47.5°	1880.5	1357.5	207.3	88.8	60.2	44.1	35.1	28.6	23.8	20.8	20.3
50°	2119.4	1492.1	163.2	78.6	50.6	38.1	29.8	23.8	19.7	16.7	16.1
52.5°	2406.5	1694.1	140.0	69.7	43.5	33.4	25.6	19.7	16.1	13.7	13.1
55°	2736.5	1935.3	129.3	60.8	36.9	28.6	20.8	16.1	13.1	11.3	10.1
57.5°	3039.0	2152.7	128.7	51.8	31.6	24.4	17.3	13.7	11.3	8.9	8.3
60°	3333.9	2334.4	120.9	42.9	27.4	20.3	14.9	11.3	9.5	7.7	7.1
62.5°	3601.3	2482.1	101.3	34.5	23.2	16.7	12.5	10.1	8.3	6.6	6.6
65°	3937.3	2670.3	77.4	28.0	19.1	13.7	10.7	8.9	7.7	6.0	6.0
67.5°	4284.6	2769.8	55.4	23.2	15.5	11.9	9.5	8.3	6.6	5.4	5.4
70°	3880.7	2340.3	39.9	19.1	13.1	10.1	8.3	7.7	6.6	5.4	4.8
72.5°	3030.7	1687.5	29.8	14.9	11.3	9.5	7.7	7.1	6.0	4.8	4.8
75°	2247.4	984.0	22.6	11.9	8.9	7.7	7.7	7.1	6.0	4.8	4.2
77.5°	1221.7	343.1	17.3	9.5	7.1	6.0	6.6	6.6	5.4	4.2	3.6
80°	323.4	94.1	11.9	7.1	6.0	4.8	4.8	6.0	4.8	3.6	3.6
82.5°	94.1	27.4	8.3	6.0	4.8	4.2	4.2	4.2	3.6	3.0	2.4
85°	45.9	10.1	6.0	4.8	4.2	3.6	3.0	3.0	2.4	1.8	1.8
87.5°	20.3	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)