

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: P634597

Luminaire Tested: GWS-SA3C-722-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634597
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8043.6 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

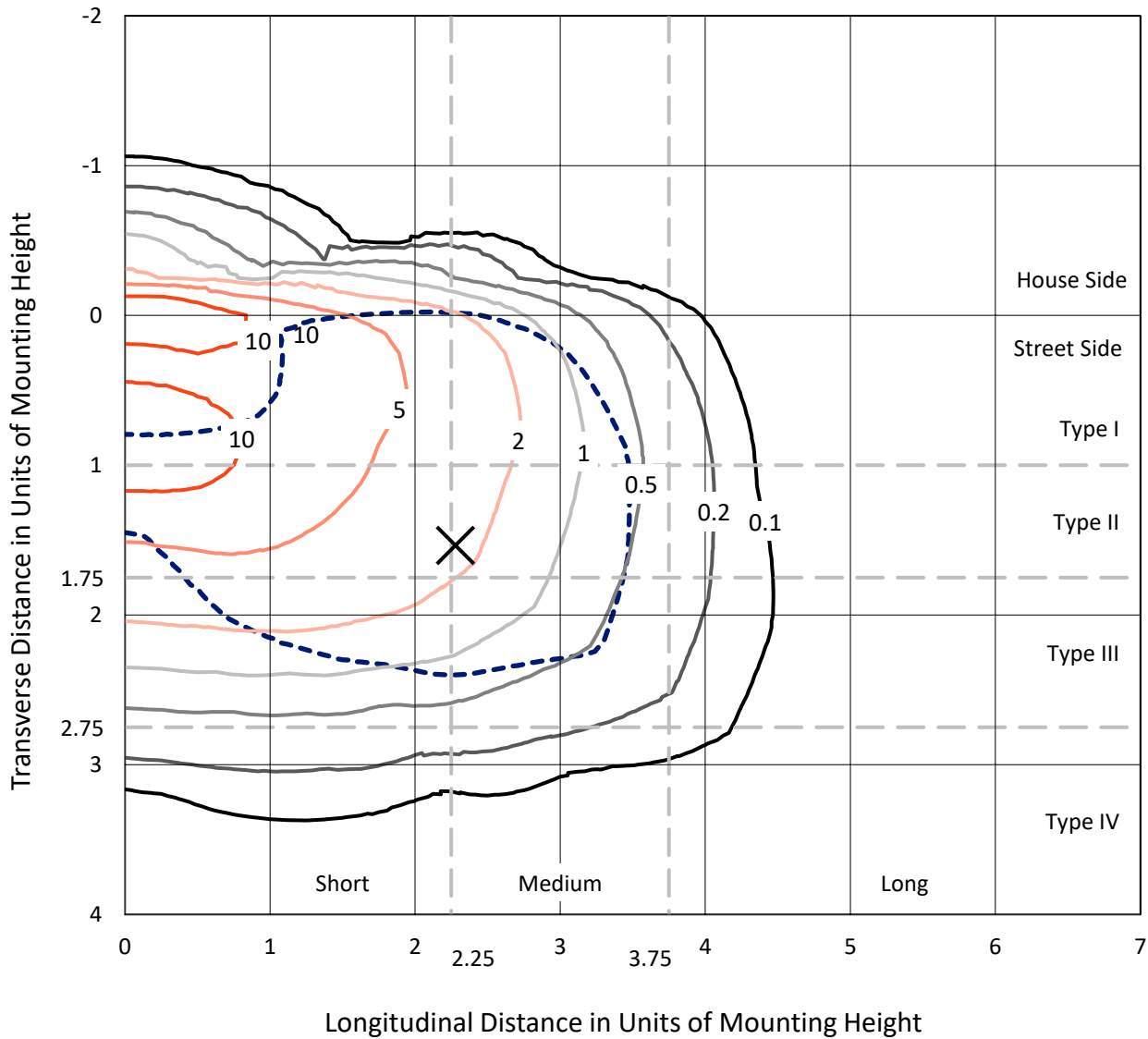
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

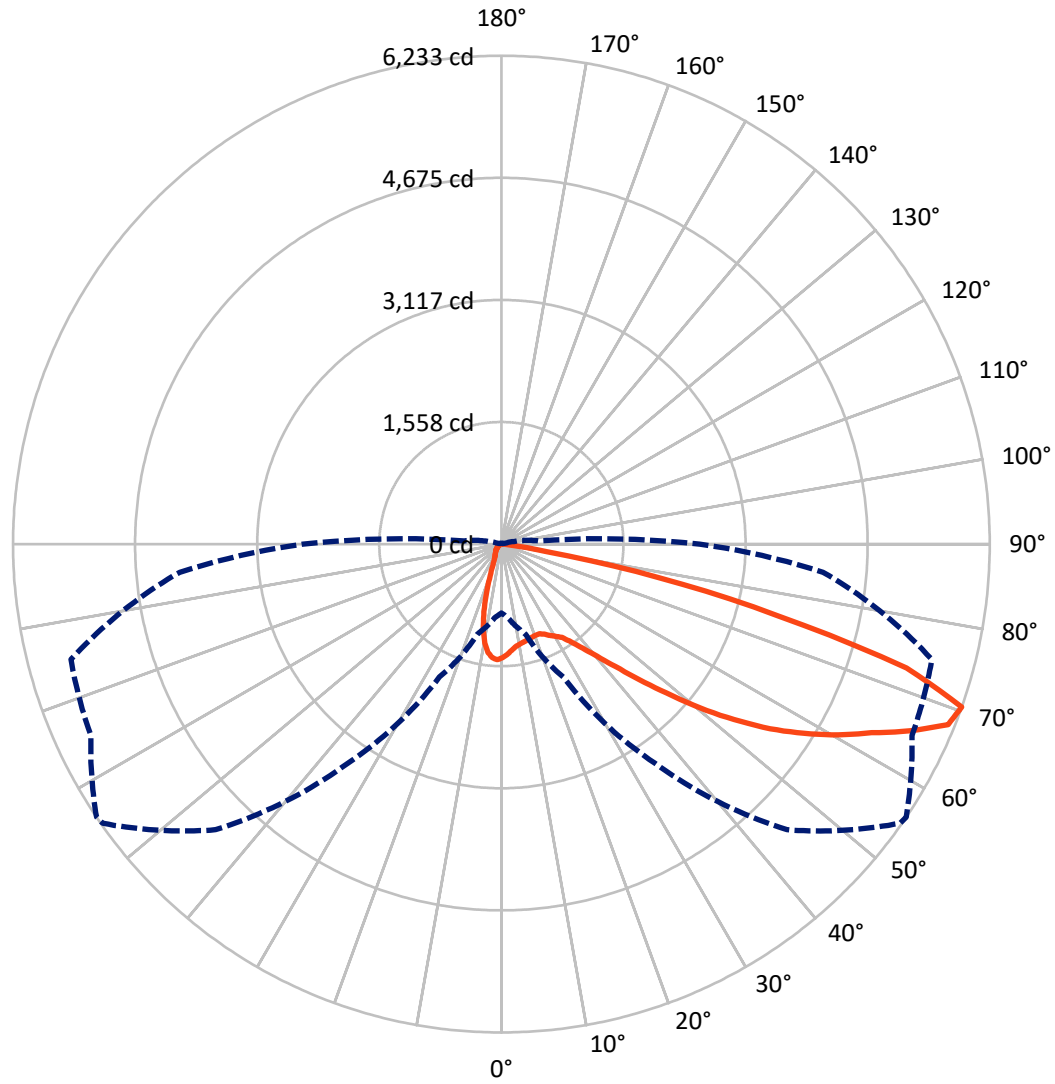
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	722.5	0.0	722.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	7321.1	0.0	7321.1
	% Fixture	91.0	0.0	91.0
Total	Lumens	8043.6	0.0	8043.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	1.5
10°-20°	280.1	3.5
20°-30°	443.6	5.5
30°-40°	765.0	9.5
40°-50°	1291.9	16.1
50°-60°	1898.2	23.6
60°-70°	2250.4	28.0
70°-80°	959.7	11.9
80°-90°	30.1	0.4
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°	8043.6	100.0
0°-180°	8043.6	100.0

Coefficient of Utilization



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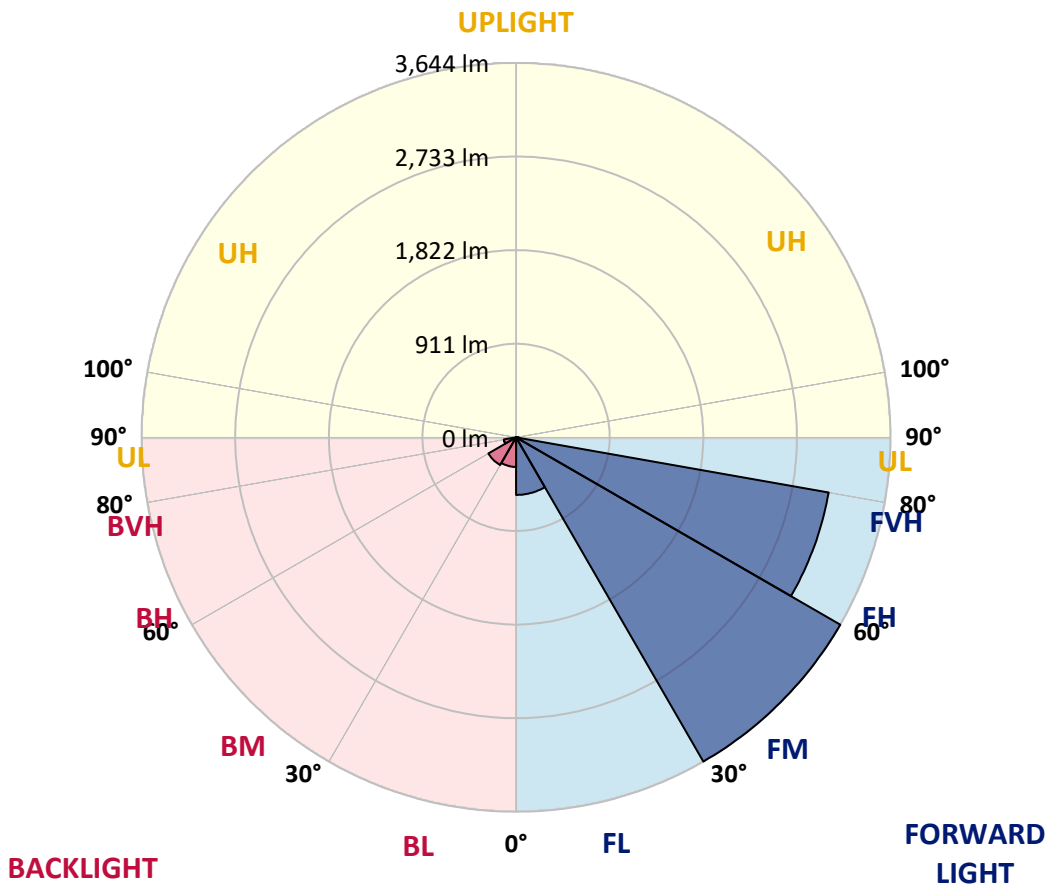
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	560.5	7.0			
FM (30°-60°)	3644.0	45.3			
FH (60°-80°)	3089.6	38.4			G2/5000
FVH (80°-90°)	27.1	0.3			G1/100
BL (0°-30°)	287.7	3.6	B1/500		
BM (30°-60°)	311.2	3.9	B1/1000		
BH (60°-80°)	120.5	1.5	B1/500		G1/500
BVH (80°-90°)	3.1	0.0			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3
2.5°	1350.2	1348.0	1349.4	1360.5	1381.1	1390.7	1406.9	1409.8	1423.1	1440.0	1446.7
5°	1262.5	1255.1	1258.8	1274.3	1297.9	1324.4	1354.6	1362.7	1395.8	1433.4	1461.4
7.5°	1182.2	1174.1	1183.0	1207.3	1240.4	1269.1	1314.1	1319.2	1372.3	1438.6	1489.4
10°	1056.3	1058.5	1076.2	1118.9	1169.7	1229.4	1289.8	1297.1	1362.7	1455.5	1534.3
12.5°	959.8	954.6	973.8	1022.4	1093.8	1180.8	1271.4	1280.9	1363.4	1481.3	1591.8
15°	914.8	913.4	921.5	956.8	1026.1	1128.5	1254.4	1266.9	1373.0	1504.8	1646.3
17.5°	916.3	914.1	913.4	934.0	985.6	1089.4	1236.0	1252.2	1381.1	1530.6	1703.7
20°	980.4	970.1	951.7	942.1	973.0	1064.4	1223.5	1241.9	1392.9	1557.9	1764.9
22.5°	1114.5	1118.1	1068.8	1017.2	1002.5	1067.3	1222.0	1243.4	1418.7	1600.6	1840.0
25°	1382.6	1376.7	1285.3	1169.7	1089.4	1101.2	1247.8	1273.6	1469.5	1661.7	1910.7
27.5°	1718.5	1723.6	1598.4	1414.2	1246.3	1171.2	1294.9	1320.7	1528.4	1700.0	1957.9
30°	2084.5	2079.4	1945.3	1741.3	1468.8	1287.6	1342.1	1364.9	1557.9	1720.7	2006.5
32.5°	2430.7	2419.0	2286.4	2072.8	1752.3	1471.0	1406.9	1420.1	1596.9	1765.6	2072.0
35°	2726.1	2725.4	2609.7	2382.1	2044.0	1700.8	1518.1	1529.2	1669.8	1837.1	2168.5
37.5°	3031.1	3020.7	2891.1	2683.4	2343.8	1952.7	1688.3	1683.8	1784.8	1942.4	2287.1
40°	3281.5	3274.9	3175.4	2975.8	2655.4	2231.1	1894.5	1881.2	1921.0	2088.2	2452.1
42.5°	3467.1	3467.9	3436.9	3315.4	2985.4	2553.0	2153.8	2133.2	2132.4	2308.5	2670.1
45°	3607.8	3617.4	3663.8	3645.4	3375.0	2927.9	2486.0	2464.6	2428.5	2594.3	2919.8
47.5°	3673.4	3685.9	3825.8	3899.5	3716.1	3299.9	2881.5	2836.6	2765.9	2974.3	3199.0
50°	3666.7	3688.8	3884.0	4108.0	4025.5	3677.0	3312.4	3291.1	3175.4	3376.5	3475.2
52.5°	3516.5	3563.6	3887.7	4234.6	4263.4	4024.7	3758.1	3718.3	3662.3	3796.4	3734.5
55°	3108.4	3165.9	3732.3	4275.2	4449.0	4328.2	4194.1	4161.7	4068.9	4192.7	3960.6
57.5°	2886.7	2936.0	3405.2	4255.3	4606.6	4608.8	4582.3	4555.8	4479.2	4584.5	4225.8
60°	2753.4	2802.7	3230.7	4182.3	4749.5	4904.9	4946.9	4944.0	4833.5	5030.2	4536.6
62.5°	2558.2	2625.9	3048.7	3993.0	4851.2	5196.6	5323.3	5303.4	5180.4	5494.2	4844.5
65°	2164.1	2223.0	2676.0	3680.7	4791.5	5438.2	5731.4	5741.7	5599.5	5931.0	5087.6
67.5°	1517.4	1560.8	2010.9	3025.2	4386.4	5517.8	6149.0	6148.3	5906.0	6154.9	4980.1
70°	879.5	939.1	1188.1	1870.2	3412.6	5156.1	6211.6	6233.0	5781.5	5687.2	4121.2
72.5°	340.3	389.7	673.2	993.7	1779.6	3949.6	5343.2	5405.8	4838.6	4387.1	2868.3
75°	101.6	113.4	316.7	528.9	714.5	1907.8	3617.4	3635.1	3319.1	2736.4	1470.2
77.5°	75.9	84.0	138.5	267.4	250.4	578.2	1871.7	2044.0	1761.9	977.5	405.1
80°	51.6	61.1	98.7	130.4	92.8	153.9	525.9	577.5	537.7	219.5	101.6
82.5°	22.8	29.5	70.0	65.6	33.9	44.2	162.0	172.4	111.2	66.3	35.4
85°	2.2	2.9	26.5	28.7	12.5	10.3	33.9	33.9	24.3	22.8	14.7
87.5°	0.0	0.0	0.7	1.5	1.5	2.2	2.9	3.7	4.4	5.9	7.4
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°	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3	1450.3
2.5°	1463.6	1454.8	1465.8	1474.6	1476.9	1460.7	1451.1	1437.1	1434.1	1434.9	1431.2
5°	1483.5	1479.1	1487.2	1477.6	1452.6	1405.4	1364.9	1320.0	1295.7	1281.7	1280.2
7.5°	1520.3	1518.1	1509.3	1465.8	1387.7	1283.1	1182.2	1083.5	1022.4	1000.3	996.6
10°	1574.8	1570.4	1534.3	1431.2	1264.7	1063.6	894.2	752.8	666.6	641.6	610.6
12.5°	1637.4	1628.6	1549.8	1356.8	1079.1	800.7	589.3	430.9	356.5	334.4	334.4
15°	1697.8	1678.7	1540.9	1233.8	850.8	520.8	329.3	249.0	226.1	220.2	220.2
17.5°	1759.7	1722.9	1506.3	1065.8	587.8	307.9	219.5	204.0	201.1	201.8	202.6
20°	1817.9	1760.4	1445.2	864.0	374.9	215.1	196.7	193.0	191.5	193.0	192.2
22.5°	1881.2	1795.1	1352.4	643.8	243.8	193.7	187.1	184.1	182.7	184.9	184.9
25°	1943.9	1820.1	1229.4	433.1	193.7	180.5	176.8	173.8	172.4	173.1	173.1
27.5°	1976.3	1810.5	1068.1	276.2	173.8	167.2	163.5	159.8	157.6	156.9	157.6
30°	1998.4	1781.1	870.6	196.7	157.6	149.5	145.8	142.9	137.0	133.3	134.8
32.5°	2033.0	1751.6	656.3	165.0	144.4	131.8	126.0	118.6	110.5	106.8	106.8
35°	2074.2	1711.1	460.4	148.8	130.4	117.1	106.1	93.5	84.0	81.0	81.0
37.5°	2128.7	1672.8	306.4	137.7	118.6	104.6	89.1	74.4	64.1	62.6	61.9
40°	2210.5	1640.4	215.8	129.6	108.3	91.3	72.9	57.5	50.1	47.9	47.9
42.5°	2316.6	1607.2	170.9	121.5	99.4	78.8	58.2	45.7	39.8	38.3	37.6
45°	2447.7	1568.2	148.8	114.2	90.6	65.6	46.4	38.3	33.9	32.4	32.4
47.5°	2589.8	1515.2	138.5	104.6	80.3	53.0	39.0	33.1	30.9	30.2	29.5
50°	2729.8	1443.7	129.6	95.8	68.5	43.5	33.9	30.2	28.7	28.0	28.0
52.5°	2852.1	1360.5	118.6	85.4	56.0	37.6	30.2	28.0	26.5	25.0	24.3
55°	2956.7	1269.9	104.6	73.7	45.7	33.1	28.0	25.8	24.3	22.8	22.1
57.5°	3091.5	1218.3	84.0	59.7	37.6	29.5	25.8	23.6	22.1	19.9	19.9
60°	3241.0	1180.8	62.6	47.1	32.4	27.3	23.6	21.4	19.9	17.7	17.7
62.5°	3361.1	1124.8	49.4	38.3	28.0	24.3	21.4	19.2	17.7	15.5	15.5
65°	3406.7	1009.1	40.5	30.2	22.8	21.4	19.2	17.7	15.5	13.3	13.3
67.5°	3200.5	777.8	33.9	24.3	19.2	18.4	16.9	16.2	13.3	11.8	11.0
70°	2534.6	474.4	28.0	19.9	16.2	15.5	15.5	14.0	11.8	11.0	10.3
72.5°	1736.9	244.5	22.8	16.2	14.0	14.0	13.3	12.5	11.0	10.3	10.3
75°	902.3	81.8	17.7	12.5	11.0	11.8	11.8	11.0	10.3	10.3	9.6
77.5°	258.5	36.8	13.3	9.6	8.8	8.8	9.6	9.6	9.6	8.8	8.8
80°	67.0	21.4	9.6	7.4	7.4	7.4	7.4	8.1	8.8	8.1	8.1
82.5°	27.3	11.8	6.6	5.9	5.9	5.9	5.9	6.6	7.4	7.4	7.4
85°	16.9	5.9	5.2	5.2	5.2	4.4	4.4	5.2	5.2	5.9	5.9
87.5°	10.3	4.4	4.4	4.4	4.4	3.7	3.7	3.7	3.7	3.7	3.7
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)