

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: P634758

Luminaire Tested: GWS-SA3C-735-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-735-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10100.6 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

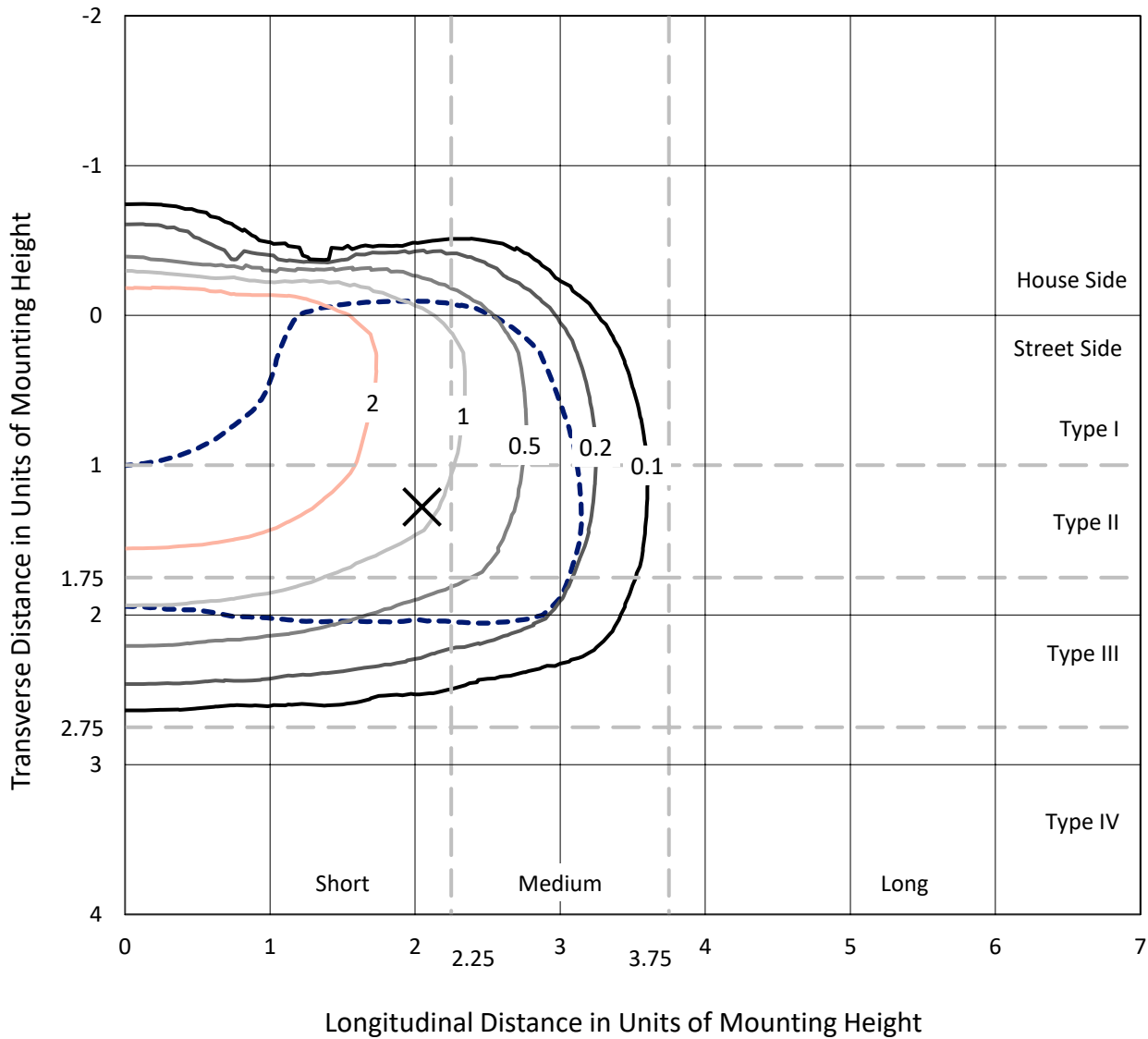
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

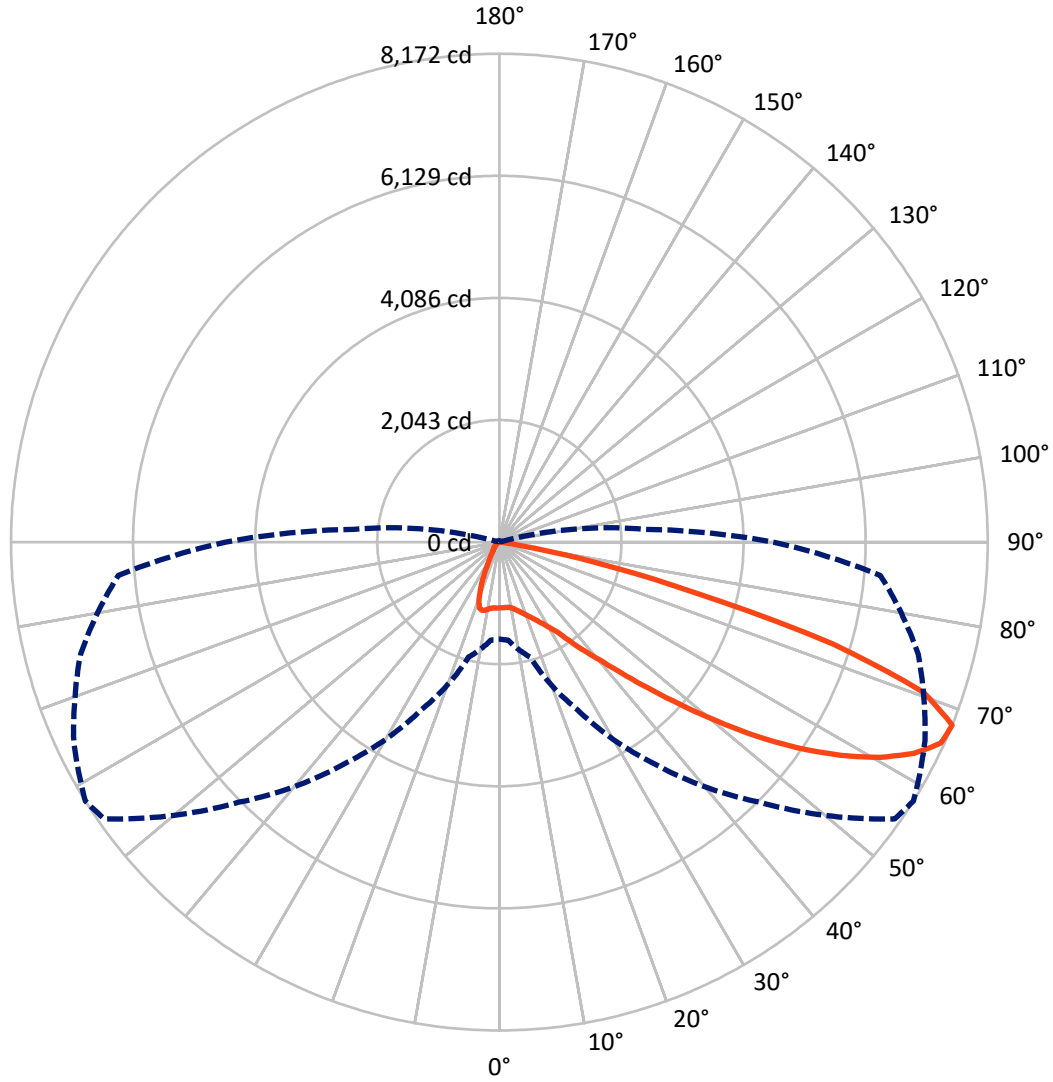
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1102.0	0.0	1102.0
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	8998.6	0.0	8998.6
	% Fixture	89.1	0.0	89.1
Total	Lumens	10100.6	0.0	10100.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	1.0
10°-20°	290.3	2.9
20°-30°	506.7	5.0
30°-40°	904.9	9.0
40°-50°	1654.1	16.4
50°-60°	2750.9	27.2
60°-70°	2988.0	29.6
70°-80°	877.3	8.7
80°-90°	25.0	0.2
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°	10100.6	100.0
0°-180°	10100.6	100.0

Coefficient of Utilization



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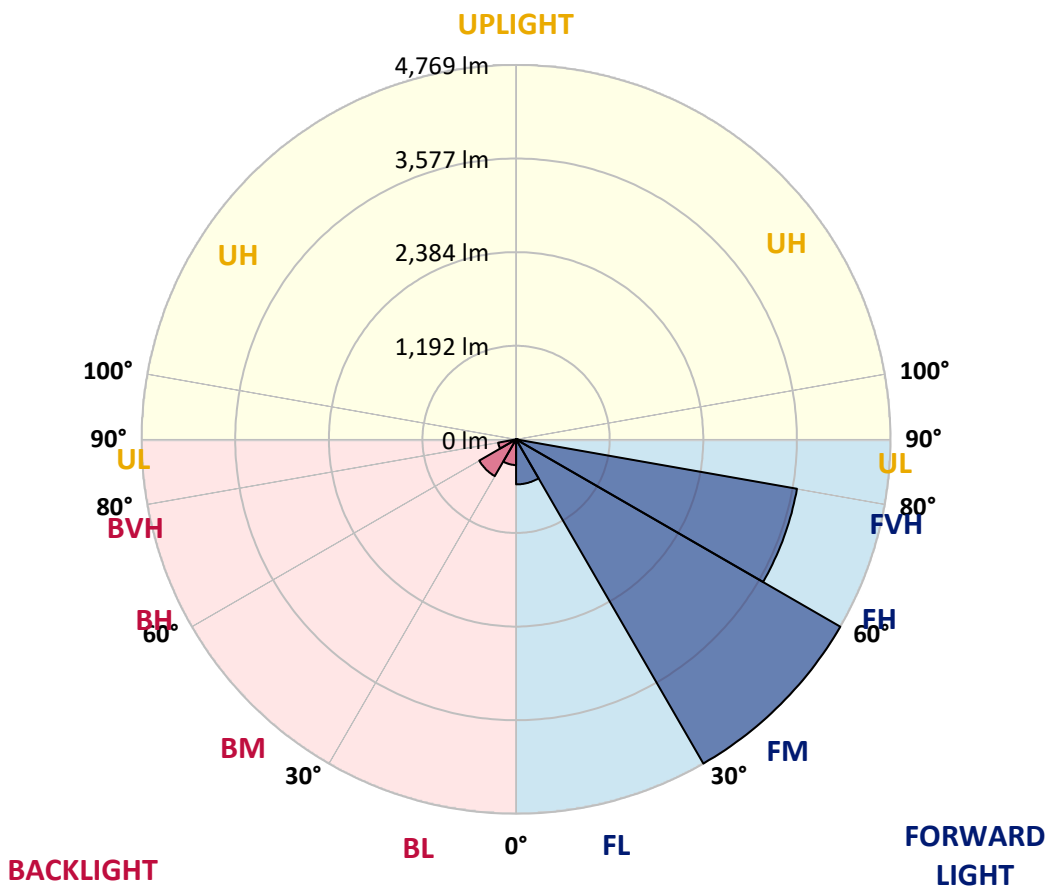
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	573.6	5.7			
FM (30°-60°)	4768.7	47.2			
FH (60°-80°)	3632.6	36.0			G2/5000
FVH (80°-90°)	23.8	0.2			G1/100
BL (0°-30°)	326.9	3.2	B1/500		
BM (30°-60°)	541.2	5.4	B1/1000		
BH (60°-80°)	232.6	2.3	B1/500		G1/500
BVH (80°-90°)	1.2	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7
2.5°	1080.0	1078.0	1078.0	1085.9	1086.9	1090.8	1099.7	1100.7	1105.6	1103.6	1096.7
5°	1023.7	1024.7	1030.6	1044.4	1056.3	1071.1	1092.8	1097.7	1108.6	1114.5	1110.5
7.5°	971.5	972.5	981.3	1003.0	1025.7	1055.3	1090.8	1100.7	1122.4	1138.1	1139.1
10°	951.7	950.8	959.6	984.3	1013.9	1055.3	1106.6	1119.4	1151.9	1179.6	1184.5
12.5°	957.7	956.7	965.5	988.2	1020.8	1073.0	1134.2	1151.9	1193.4	1235.8	1244.7
15°	981.3	980.3	986.3	1005.0	1040.5	1094.7	1169.7	1196.3	1248.6	1299.9	1313.7
17.5°	1052.3	1047.4	1041.5	1043.5	1064.2	1120.4	1215.1	1247.6	1312.7	1373.9	1385.7
20°	1178.6	1165.8	1150.0	1129.3	1119.4	1157.9	1267.3	1304.8	1383.7	1453.7	1455.7
22.5°	1368.9	1364.0	1327.5	1267.3	1224.9	1225.9	1328.5	1371.9	1468.5	1545.5	1534.6
25°	1634.2	1631.3	1575.1	1476.4	1366.0	1328.5	1406.4	1450.8	1569.1	1651.0	1616.5
27.5°	1963.6	1942.9	1876.8	1743.7	1579.0	1461.6	1505.0	1544.5	1675.7	1752.6	1687.5
30°	2250.6	2251.6	2189.5	2050.4	1865.0	1661.8	1625.4	1659.9	1773.3	1854.2	1775.3
32.5°	2526.8	2535.7	2467.6	2342.4	2139.2	1923.2	1797.9	1803.9	1898.5	1986.3	1890.7
35°	2783.2	2790.1	2742.8	2636.3	2446.9	2196.4	2038.6	2035.6	2086.9	2176.7	2051.4
37.5°	3070.2	3077.1	3030.8	2935.1	2757.6	2509.0	2311.8	2307.8	2328.6	2401.5	2258.5
40°	3376.0	3388.8	3337.5	3256.6	3087.0	2876.9	2629.4	2593.9	2573.1	2659.0	2526.8
42.5°	3685.6	3705.4	3687.6	3606.7	3461.8	3288.2	3041.6	2986.4	2942.0	3049.5	2909.5
45°	4070.3	4094.0	4086.1	4023.9	3911.5	3770.5	3537.7	3473.6	3452.9	3552.5	3385.8
47.5°	4440.1	4465.8	4494.4	4480.6	4400.7	4335.6	4077.2	4040.7	4034.8	4141.3	3882.9
50°	4715.3	4739.0	4848.4	4927.3	4981.6	4967.8	4743.9	4689.7	4680.8	4748.8	4407.6
52.5°	4912.5	4935.2	5086.1	5332.7	5531.9	5640.4	5414.6	5402.7	5354.4	5330.7	4898.7
55°	5065.4	5097.0	5255.8	5628.6	6030.0	6270.6	6129.6	6087.2	5962.9	5826.8	5354.4
57.5°	5096.0	5108.8	5332.7	5835.7	6416.6	6806.2	6806.2	6732.2	6492.5	6304.2	5881.1
60°	4821.8	4861.3	5164.0	5818.9	6582.3	7156.3	7367.3	7316.1	6992.6	6760.8	6388.0
62.5°	4213.3	4257.7	4626.5	5417.5	6416.6	7228.3	7792.4	7784.5	7419.6	7138.5	6808.1
65°	3231.0	3263.5	3585.0	4531.9	5716.3	6951.1	8096.2	8117.9	7756.9	7388.1	6953.1
67.5°	1623.4	1646.1	1993.2	3095.9	4530.9	6153.3	8075.5	8172.1	7859.5	7255.9	6399.8
70°	567.1	589.8	753.5	1328.5	2757.6	4698.5	7377.2	7535.0	7256.9	6193.7	4721.2
72.5°	194.3	205.1	312.6	493.1	1073.0	2785.2	5609.8	5847.5	5349.5	4158.1	2713.2
75°	110.5	117.4	167.7	267.3	449.7	916.2	3182.7	3328.6	3118.5	2266.4	1116.4
77.5°	75.0	80.9	104.5	151.9	248.5	294.9	1297.9	1634.2	1425.1	739.7	285.0
80°	44.4	48.3	64.1	89.7	127.2	114.4	278.1	369.8	476.4	220.9	85.8
82.5°	20.7	23.7	41.4	59.2	64.1	48.3	81.9	99.6	134.1	108.5	35.5
85°	0.0	0.0	13.8	24.7	23.7	13.8	22.7	24.7	36.5	54.2	13.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	5.9	10.8	5.9
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°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7
2.5°	1104.6	1097.7	1105.6	1101.6	1105.6	1104.6	1096.7	1091.8	1091.8	1082.9	1080.0
5°	1118.4	1111.5	1113.5	1104.6	1102.6	1097.7	1087.8	1083.9	1083.9	1075.0	1072.1
7.5°	1149.0	1138.1	1136.2	1118.4	1110.5	1096.7	1079.0	1072.1	1071.1	1062.2	1059.2
10°	1197.3	1184.5	1175.6	1152.9	1130.3	1102.6	1065.2	1033.6	1015.8	992.2	990.2
12.5°	1256.5	1240.7	1226.9	1192.4	1154.9	1092.8	982.3	866.9	795.9	739.7	743.6
15°	1322.6	1307.8	1286.1	1233.8	1156.9	995.1	764.3	586.8	500.0	453.7	451.7
17.5°	1394.6	1372.9	1337.4	1266.4	1094.7	760.4	497.1	351.1	305.7	290.0	286.0
20°	1461.6	1435.0	1390.6	1273.3	915.2	514.8	310.7	272.2	264.3	259.4	259.4
22.5°	1532.6	1499.1	1433.0	1220.0	680.5	329.4	264.3	255.4	249.5	242.6	241.6
25°	1604.6	1561.2	1471.5	1080.9	445.8	259.4	247.6	237.7	226.8	216.0	213.0
27.5°	1665.8	1609.6	1501.1	873.8	286.0	233.7	225.9	209.1	194.3	182.5	180.5
30°	1738.8	1666.8	1513.9	639.1	224.9	206.1	194.3	176.5	158.8	147.0	143.0
32.5°	1836.4	1757.5	1494.2	416.2	199.2	181.5	162.7	142.0	124.3	111.4	109.5
35°	1988.3	1894.6	1403.4	265.3	180.5	156.8	134.1	112.4	97.6	87.8	85.8
37.5°	2173.7	2086.9	1254.5	199.2	161.7	136.1	109.5	88.8	77.9	71.0	69.0
40°	2448.9	2327.6	1070.1	174.6	143.0	115.4	89.7	73.0	65.1	59.2	57.2
42.5°	2805.9	2611.6	858.0	158.8	125.3	96.7	73.0	60.2	53.3	49.3	48.3
45°	3223.1	2888.7	634.2	143.0	108.5	79.9	60.2	49.3	44.4	41.4	40.4
47.5°	3650.1	3131.4	437.9	126.2	92.7	66.1	50.3	42.4	38.5	34.5	33.5
50°	4105.8	3336.5	298.8	109.5	78.9	54.2	43.4	38.5	33.5	30.6	29.6
52.5°	4440.1	3412.5	208.1	94.7	67.1	46.4	38.5	34.5	30.6	26.6	25.6
55°	4748.8	3410.5	157.8	79.9	57.2	40.4	34.5	30.6	26.6	23.7	22.7
57.5°	5056.5	3383.9	124.3	68.1	49.3	36.5	30.6	26.6	24.7	20.7	19.7
60°	5255.8	3283.3	96.7	57.2	42.4	31.6	26.6	23.7	20.7	17.8	16.8
62.5°	5361.3	3143.2	74.0	45.4	34.5	27.6	23.7	20.7	17.8	14.8	13.8
65°	5218.3	2894.7	58.2	35.5	26.6	23.7	19.7	16.8	13.8	10.8	9.9
67.5°	4584.1	2441.0	45.4	28.6	20.7	17.8	16.8	13.8	9.9	7.9	6.9
70°	3239.9	1671.7	35.5	21.7	15.8	13.8	12.8	10.8	7.9	5.9	4.9
72.5°	1778.2	843.3	25.6	15.8	11.8	10.8	9.9	8.9	6.9	4.9	4.9
75°	684.5	231.8	18.7	10.8	7.9	7.9	6.9	6.9	5.9	3.9	3.9
77.5°	178.5	69.0	11.8	6.9	4.9	4.9	4.9	3.9	3.9	3.0	3.0
80°	57.2	22.7	6.9	4.9	3.9	3.0	3.0	2.0	3.0	2.0	2.0
82.5°	18.7	7.9	3.9	3.9	3.0	2.0	2.0	1.0	1.0	0.0	0.0
85°	6.9	3.9	3.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0
87.5°	3.9	2.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
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)