

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: P634923

Luminaire Tested: GWS-SA3C-760-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634923
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10332.1 lumens
Efficiency: N/A
Efficacy: 111.1 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

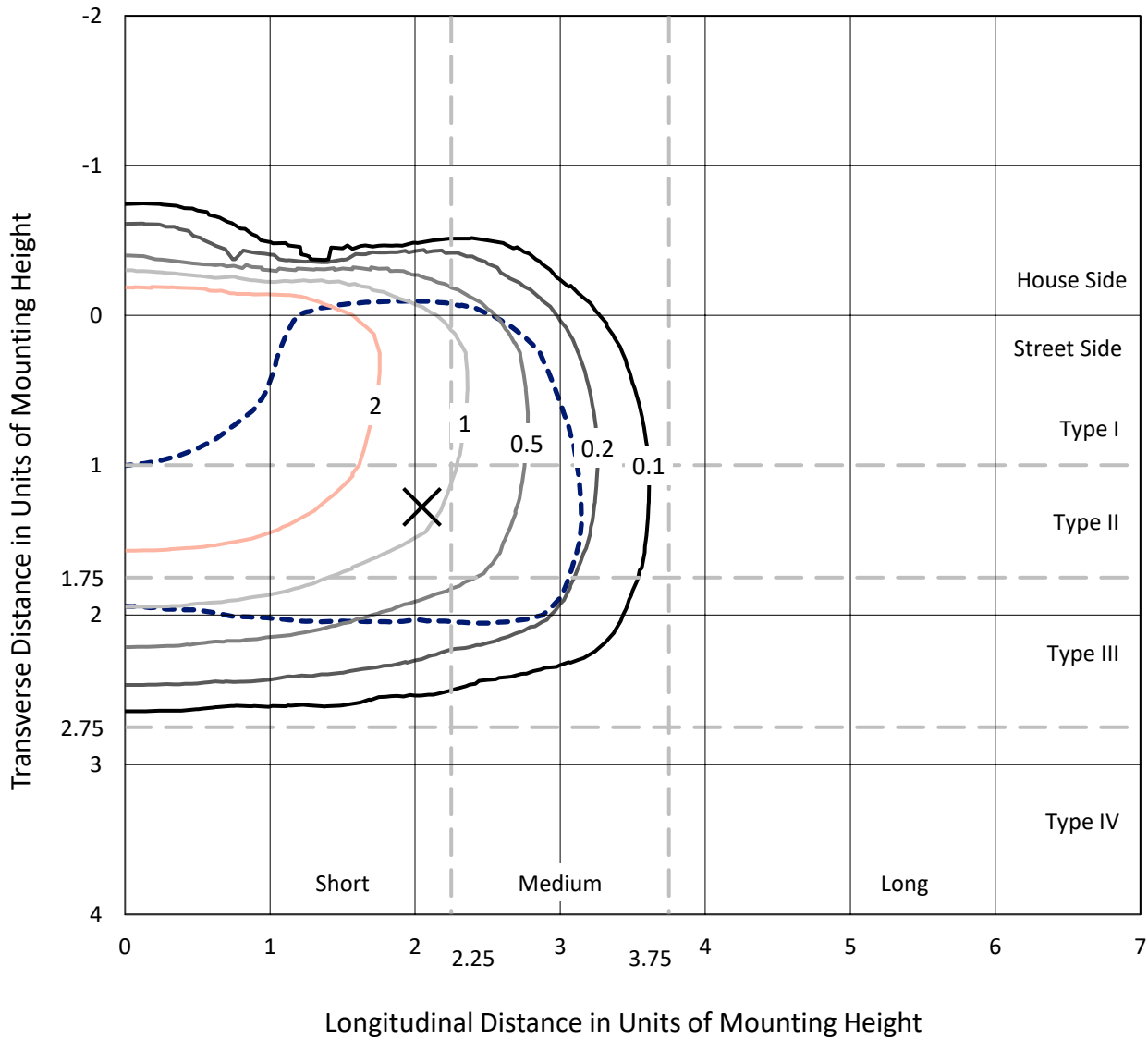
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

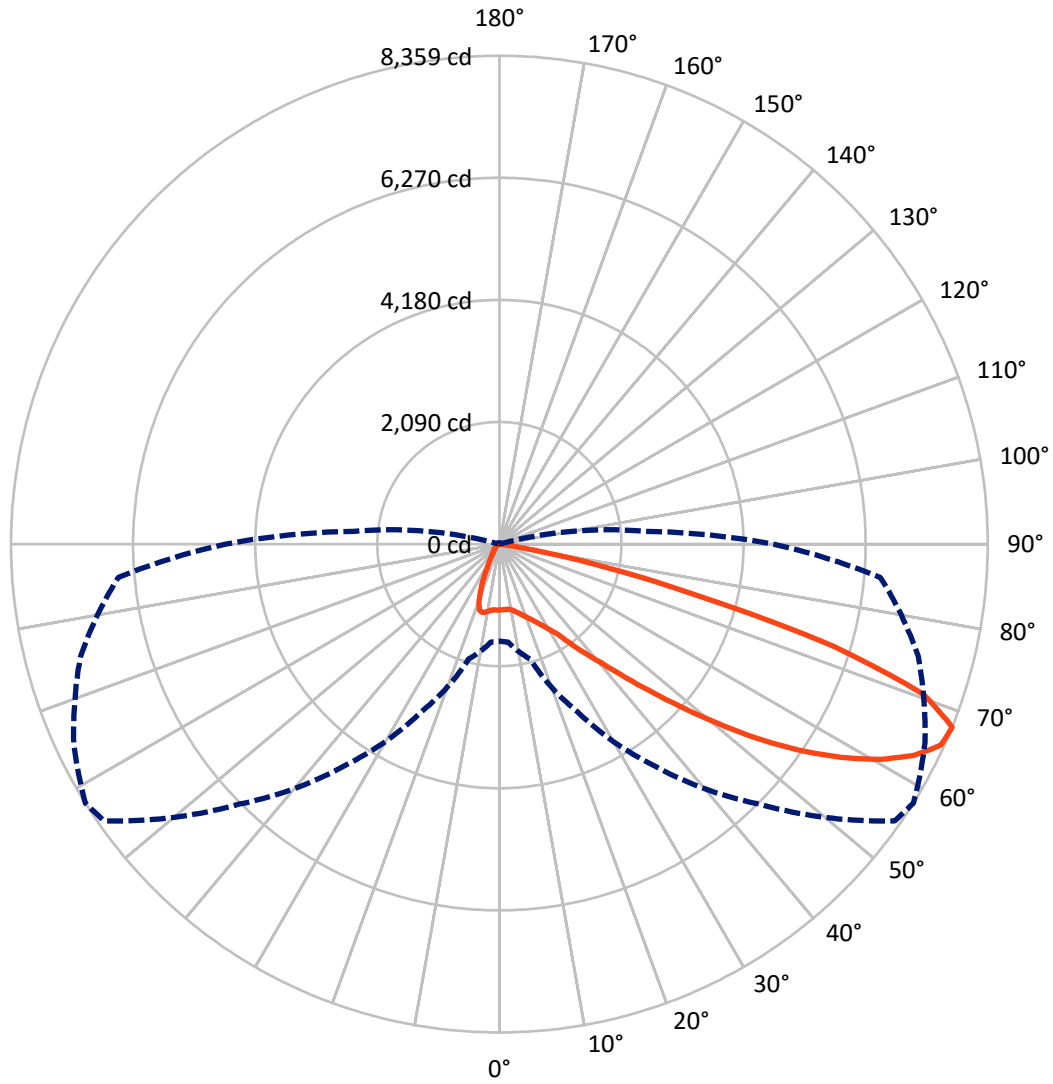
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 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	1127.2	0.0	1127.2
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	9204.9	0.0	9204.9
	% Fixture	89.1	0.0	89.1
Total	Lumens	10332.1	0.0	10332.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	1.0
10°-20°	297.0	2.9
20°-30°	518.3	5.0
30°-40°	925.7	9.0
40°-50°	1692.0	16.4
50°-60°	2814.0	27.2
60°-70°	3056.4	29.6
70°-80°	897.4	8.7
80°-90°	25.5	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°	10332.1	100.0
0°-180°	10332.1	100.0

Coefficient of Utilization



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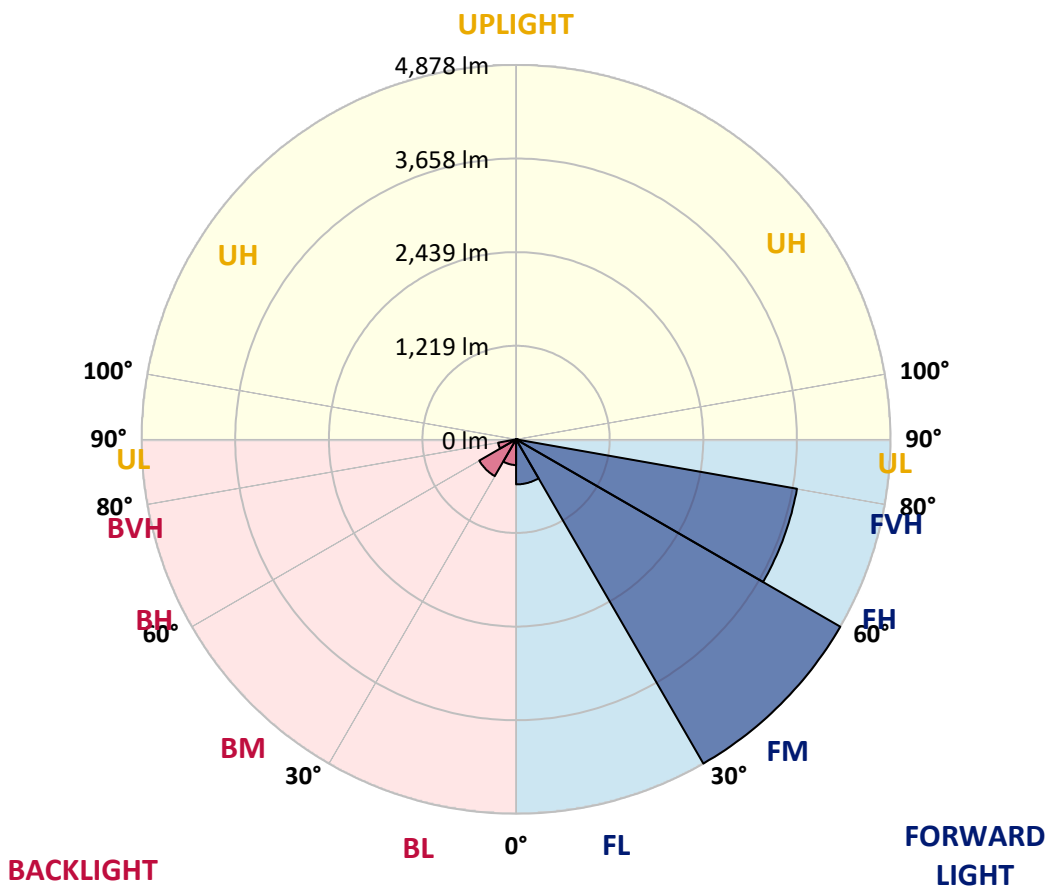
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	586.7	5.7			
FM (30°-60°)	4878.0	47.2			
FH (60°-80°)	3715.9	36.0			G2/5000
FVH (80°-90°)	24.3	0.2			G1/100
BL (0°-30°)	334.4	3.2	B1/500		
BM (30°-60°)	553.6	5.4	B1/1000		
BH (60°-80°)	237.9	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°	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9
2.5°	1104.7	1102.7	1102.7	1110.8	1111.8	1115.8	1124.9	1125.9	1130.9	1128.9	1121.9
5°	1047.2	1048.2	1054.3	1068.4	1080.5	1095.6	1117.8	1122.9	1134.0	1140.0	1136.0
7.5°	993.7	994.7	1003.8	1026.0	1049.2	1079.5	1115.8	1125.9	1148.1	1164.2	1165.2
10°	973.6	972.5	981.6	1006.8	1037.1	1079.5	1131.9	1145.1	1178.4	1206.6	1211.6
12.5°	979.6	978.6	987.7	1010.9	1044.2	1097.6	1160.2	1178.4	1220.7	1264.1	1273.2
15°	1003.8	1002.8	1008.9	1028.0	1064.3	1119.8	1196.5	1223.7	1277.2	1329.7	1343.8
17.5°	1076.5	1071.4	1065.4	1067.4	1088.6	1146.1	1242.9	1276.2	1342.8	1405.3	1417.5
20°	1205.6	1192.5	1176.3	1155.1	1145.1	1184.4	1296.4	1334.7	1415.4	1487.1	1489.1
22.5°	1400.3	1395.3	1357.9	1296.4	1253.0	1254.0	1358.9	1403.3	1502.2	1580.9	1569.8
25°	1671.7	1668.7	1611.2	1510.3	1397.3	1358.9	1438.6	1484.0	1605.1	1688.8	1653.5
27.5°	2008.6	1987.5	1919.9	1783.7	1615.2	1495.1	1539.5	1579.9	1714.1	1792.7	1726.2
30°	2302.2	2303.2	2239.7	2097.4	1907.8	1699.9	1662.6	1697.9	1813.9	1896.7	1816.0
32.5°	2584.7	2593.8	2524.2	2396.0	2188.2	1967.3	1839.2	1845.2	1942.1	2031.8	1934.0
35°	2847.0	2854.1	2805.6	2696.7	2503.0	2246.7	2085.3	2082.3	2134.8	2226.6	2098.4
37.5°	3140.6	3147.7	3100.2	3002.4	2820.8	2566.5	2364.8	2360.7	2381.9	2456.6	2310.3
40°	3453.3	3466.5	3414.0	3331.3	3157.7	2942.9	2689.6	2653.3	2632.1	2719.9	2584.7
42.5°	3770.1	3790.3	3772.1	3689.4	3541.1	3363.5	3111.3	3054.8	3009.4	3119.4	2976.1
45°	4163.6	4187.8	4179.7	4116.2	4001.1	3856.9	3618.8	3553.2	3532.0	3633.9	3463.4
47.5°	4541.9	4568.1	4597.4	4583.3	4501.5	4435.0	4170.6	4133.3	4127.3	4236.2	3971.9
50°	4823.4	4847.6	4959.6	5040.3	5095.8	5081.6	4852.6	4797.1	4788.1	4857.7	4508.6
52.5°	5025.1	5048.3	5202.7	5454.9	5658.7	5769.7	5538.7	5526.5	5477.1	5452.9	5011.0
55°	5181.5	5213.8	5376.2	5757.6	6168.2	6414.3	6270.1	6226.7	6099.6	5960.4	5477.1
57.5°	5212.8	5225.9	5454.9	5969.4	6563.7	6962.2	6962.2	6886.5	6641.3	6448.6	6015.8
60°	4932.3	4972.7	5282.4	5952.3	6733.1	7320.3	7536.2	7483.7	7152.8	6915.8	6534.4
62.5°	4309.9	4355.3	4732.6	5541.7	6563.7	7394.0	7971.0	7962.9	7589.7	7302.1	6964.2
65°	3305.0	3338.3	3667.2	4635.7	5847.4	7110.5	8281.7	8303.9	7934.7	7557.4	7112.5
67.5°	1660.6	1683.8	2038.9	3166.8	4634.7	6294.3	8260.6	8359.4	8039.6	7422.2	6546.5
70°	580.1	603.3	770.8	1358.9	2820.8	4806.2	7546.3	7707.7	7423.2	6335.7	4829.4
72.5°	198.7	209.8	319.8	504.4	1097.6	2849.0	5738.4	5981.5	5472.1	4253.4	2775.4
75°	113.0	120.1	171.5	273.4	460.0	937.2	3255.6	3404.9	3190.0	2318.4	1142.0
77.5°	76.7	82.7	106.9	155.4	254.2	301.6	1327.7	1671.7	1457.8	756.6	291.6
80°	45.4	49.4	65.6	91.8	130.1	117.0	284.5	378.3	487.3	226.0	87.8
82.5°	21.2	24.2	42.4	60.5	65.6	49.4	83.7	101.9	137.2	111.0	36.3
85°	0.0	0.0	14.1	25.2	24.2	14.1	23.2	25.2	37.3	55.5	14.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	6.1	11.1	6.1
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°	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9
2.5°	1129.9	1122.9	1130.9	1126.9	1130.9	1129.9	1121.9	1116.8	1116.8	1107.7	1104.7
5°	1144.0	1137.0	1139.0	1129.9	1127.9	1122.9	1112.8	1108.7	1108.7	1099.7	1096.6
7.5°	1175.3	1164.2	1162.2	1144.0	1136.0	1121.9	1103.7	1096.6	1095.6	1086.5	1083.5
10°	1224.8	1211.6	1202.6	1179.4	1156.2	1127.9	1089.6	1057.3	1039.1	1014.9	1012.9
12.5°	1285.3	1269.1	1255.0	1219.7	1181.4	1117.8	1004.8	886.8	814.2	756.6	760.7
15°	1352.9	1337.8	1315.6	1262.1	1183.4	1017.9	781.9	600.3	511.5	464.1	462.1
17.5°	1426.5	1404.3	1368.0	1295.4	1119.8	777.8	508.5	359.2	312.7	296.6	292.6
20°	1495.1	1467.9	1422.5	1302.4	936.2	526.6	317.8	278.4	270.4	265.3	265.3
22.5°	1567.8	1533.5	1465.9	1248.0	696.1	337.0	270.4	261.3	255.2	248.2	247.2
25°	1641.4	1597.0	1505.2	1105.7	456.0	265.3	253.2	243.1	232.0	220.9	217.9
27.5°	1704.0	1646.5	1535.5	893.9	292.6	239.1	231.0	213.9	198.7	186.6	184.6
30°	1778.6	1705.0	1548.6	653.7	230.0	210.9	198.7	180.6	162.4	150.3	146.3
32.5°	1878.5	1797.8	1528.4	425.7	203.8	185.6	166.5	145.3	127.1	114.0	112.0
35°	2033.9	1938.0	1435.6	271.4	184.6	160.4	137.2	115.0	99.9	89.8	87.8
37.5°	2223.5	2134.8	1283.3	203.8	165.5	139.2	112.0	90.8	79.7	72.6	70.6
40°	2505.0	2380.9	1094.6	178.6	146.3	118.0	91.8	74.7	66.6	60.5	58.5
42.5°	2870.2	2671.5	877.7	162.4	128.1	98.9	74.7	61.5	54.5	50.4	49.4
45°	3297.0	2955.0	648.7	146.3	111.0	81.7	61.5	50.4	45.4	42.4	41.4
47.5°	3733.8	3203.1	447.9	129.1	94.8	67.6	51.5	43.4	39.3	35.3	34.3
50°	4199.9	3413.0	305.7	112.0	80.7	55.5	44.4	39.3	34.3	31.3	30.3
52.5°	4541.9	3490.7	212.9	96.9	68.6	47.4	39.3	35.3	31.3	27.2	26.2
55°	4857.7	3488.6	161.4	81.7	58.5	41.4	35.3	31.3	27.2	24.2	23.2
57.5°	5172.4	3461.4	127.1	69.6	50.4	37.3	31.3	27.2	25.2	21.2	20.2
60°	5376.2	3358.5	98.9	58.5	43.4	32.3	27.2	24.2	21.2	18.2	17.2
62.5°	5484.2	3215.2	75.7	46.4	35.3	28.2	24.2	21.2	18.2	15.1	14.1
65°	5337.9	2961.0	59.5	36.3	27.2	24.2	20.2	17.2	14.1	11.1	10.1
67.5°	4689.2	2496.9	46.4	29.3	21.2	18.2	17.2	14.1	10.1	8.1	7.1
70°	3314.1	1710.0	36.3	22.2	16.1	14.1	13.1	11.1	8.1	6.1	5.0
72.5°	1819.0	862.6	26.2	16.1	12.1	11.1	10.1	9.1	7.1	5.0	5.0
75°	700.2	237.1	19.2	11.1	8.1	8.1	7.1	7.1	6.1	4.0	4.0
77.5°	182.6	70.6	12.1	7.1	5.0	5.0	5.0	4.0	4.0	3.0	3.0
80°	58.5	23.2	7.1	5.0	4.0	3.0	3.0	2.0	3.0	2.0	2.0
82.5°	19.2	8.1	4.0	4.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0
85°	7.1	4.0	3.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0
87.5°	4.0	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)