

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: P630887

Luminaire Tested: GWS-SA1E-750-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6107.3 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

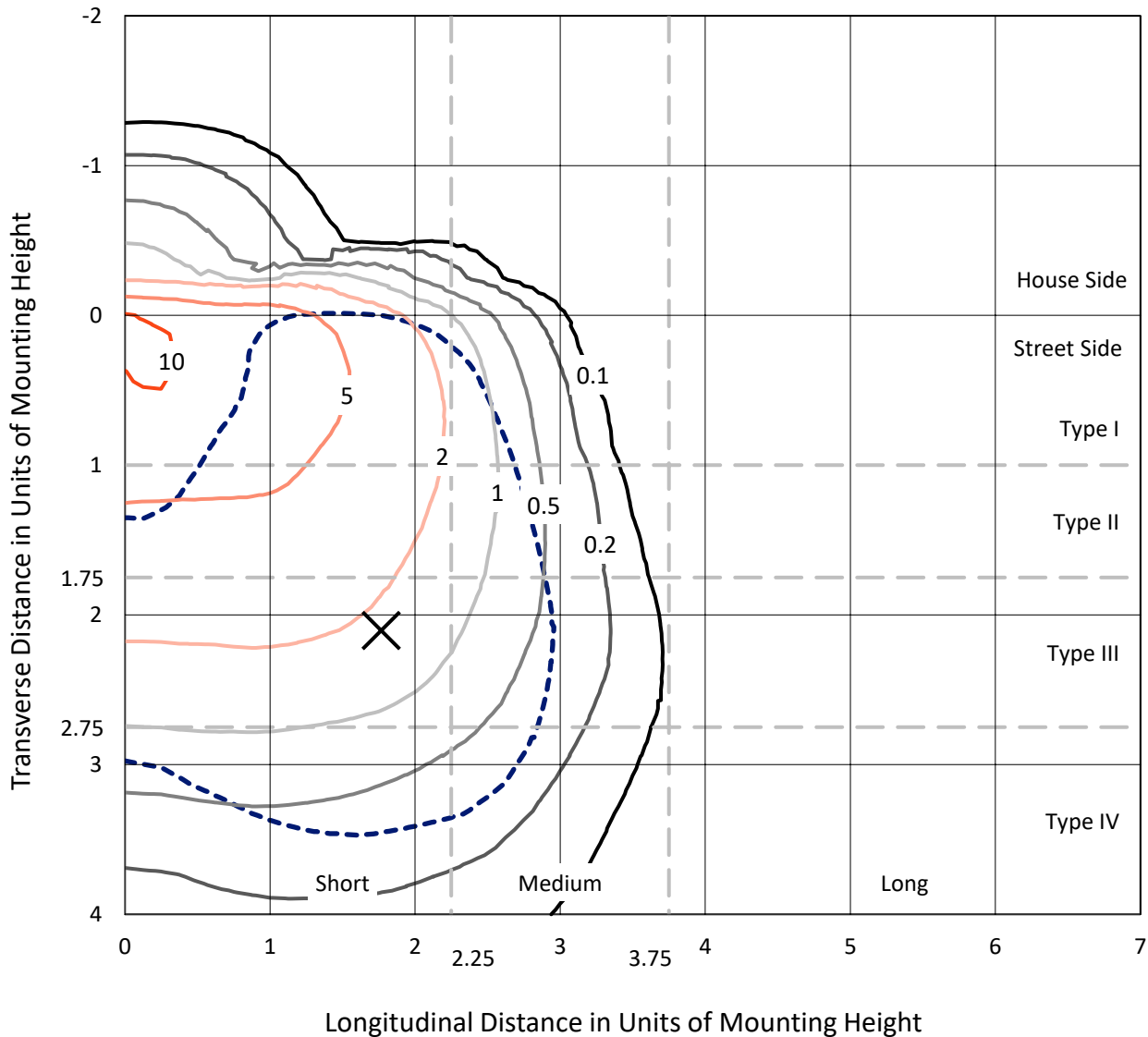
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

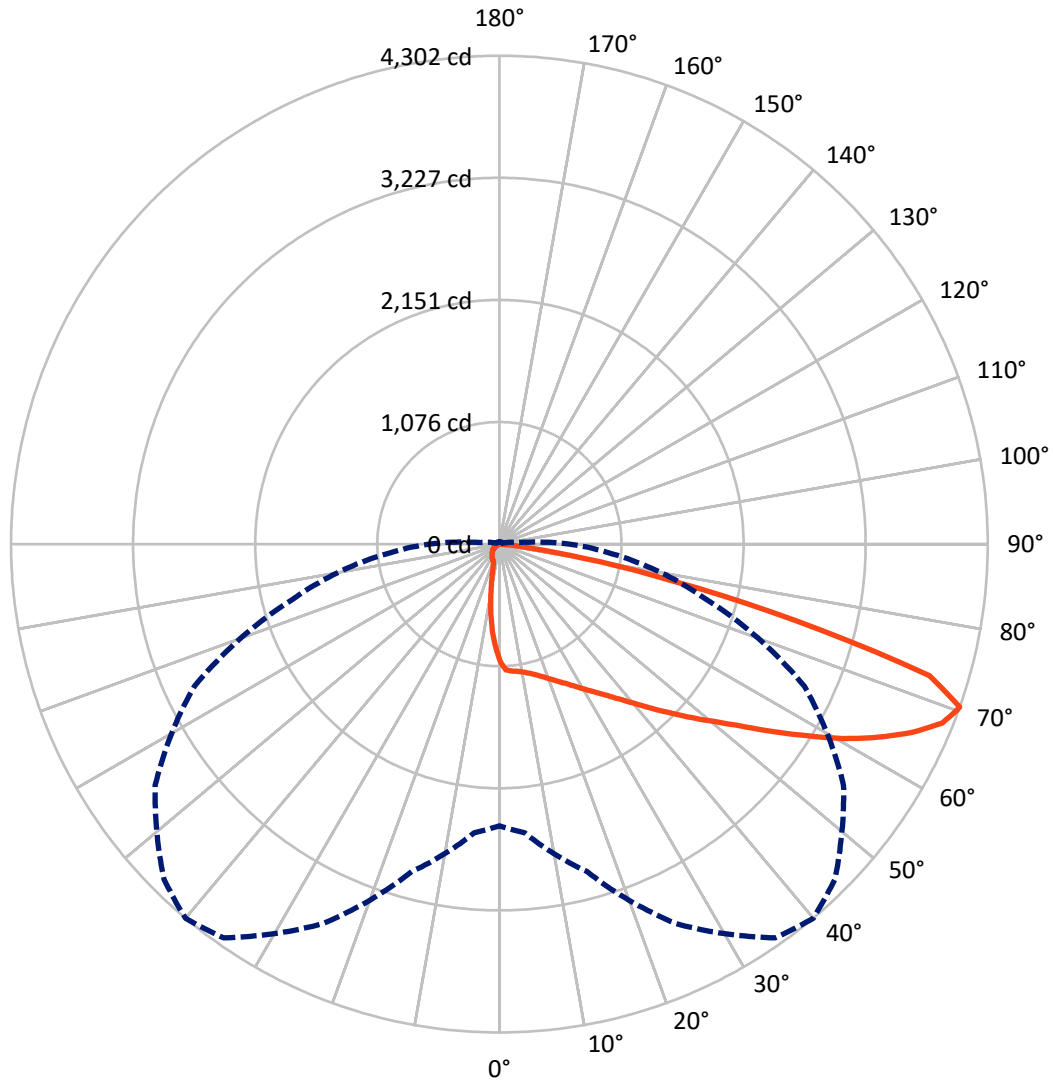
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	499.4	0.0	499.4
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	5607.9	0.0	5607.9
	% Fixture	91.8	0.0	91.8
Total	Lumens	6107.3	0.0	6107.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	1.4
10°-20°	222.2	3.6
20°-30°	371.8	6.1
30°-40°	584.0	9.6
40°-50°	923.7	15.1
50°-60°	1347.5	22.1
60°-70°	1670.4	27.4
70°-80°	845.1	13.8
80°-90°	55.2	0.9
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°	6107.3	100.0
0°-180°	6107.3	100.0

Coefficient of Utilization



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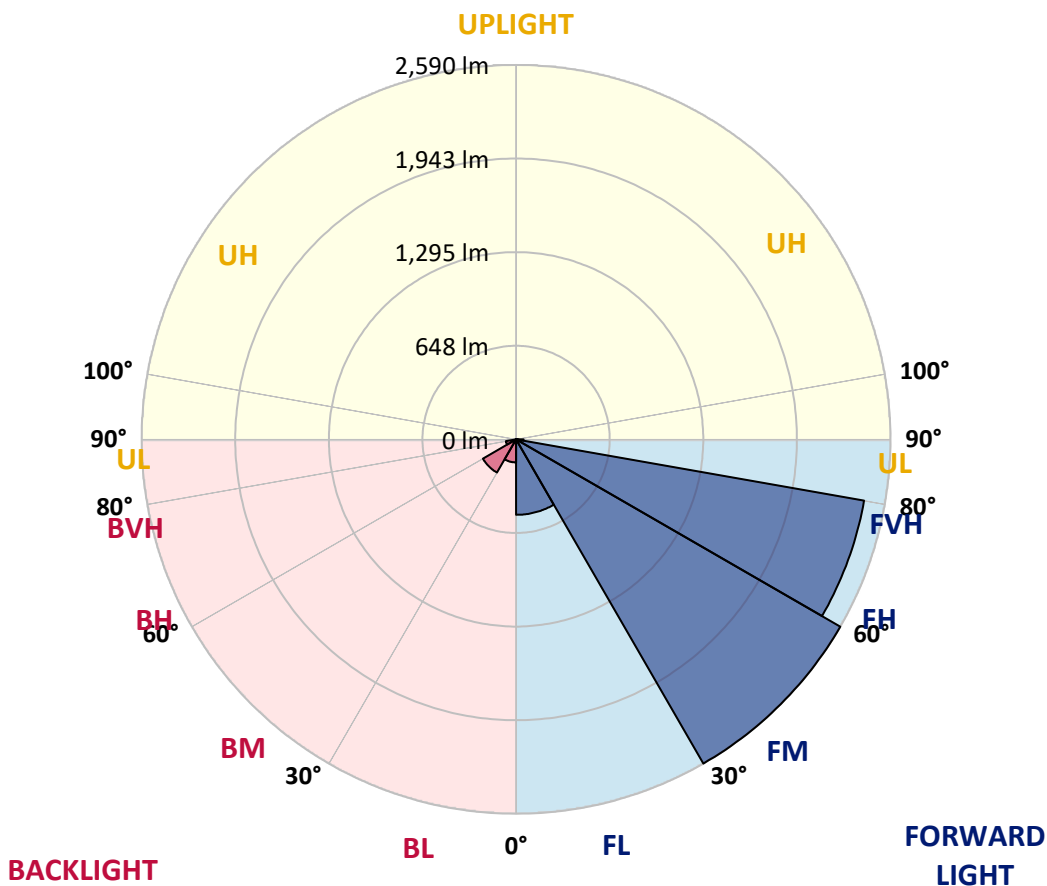
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	522.1	8.5			
FM (30°-60°)	2590.0	42.4			
FH (60°-80°)	2444.2	40.0			G2/5000
FVH (80°-90°)	51.5	0.8			G1/100
BL (0°-30°)	159.5	2.6	B1/500		
BM (30°-60°)	265.1	4.3	B1/1000		
BH (60°-80°)	71.2	1.2	B0/110		G0/110
BVH (80°-90°)	3.6	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1036.3	1036.3	1036.3	1036.3	1036.3	1036.3	1036.3	1036.3	1036.3	1036.3	1036.3
2.5°	1114.1	1118.0	1117.5	1119.1	1115.2	1109.1	1108.0	1099.7	1084.7	1065.8	1044.7
5°	1136.9	1141.4	1138.0	1136.4	1129.1	1122.5	1120.8	1111.9	1094.7	1069.1	1032.4
7.5°	1156.4	1157.5	1155.3	1151.4	1140.8	1131.9	1125.8	1113.6	1093.0	1067.5	1025.2
10°	1159.7	1159.1	1160.3	1160.8	1154.1	1146.4	1141.4	1124.7	1098.6	1071.3	1025.8
12.5°	1155.8	1155.8	1163.0	1171.4	1171.4	1167.5	1162.5	1147.5	1116.9	1084.7	1036.9
15°	1160.8	1162.5	1176.4	1191.9	1196.9	1193.0	1190.8	1175.3	1143.6	1108.0	1056.9
17.5°	1178.6	1180.3	1202.5	1225.8	1231.9	1227.5	1223.0	1207.5	1173.6	1134.7	1079.7
20°	1204.7	1209.2	1237.5	1267.5	1273.1	1267.5	1258.6	1236.9	1203.0	1163.6	1101.3
22.5°	1252.5	1255.3	1285.8	1317.5	1320.3	1311.4	1298.1	1268.1	1232.5	1194.1	1125.8
25°	1315.8	1319.7	1350.3	1380.9	1373.6	1360.3	1342.0	1308.1	1267.5	1230.3	1156.9
27.5°	1391.4	1395.9	1425.9	1452.5	1433.6	1418.1	1397.5	1355.3	1314.2	1280.3	1196.9
30°	1473.1	1477.0	1503.7	1527.6	1502.5	1484.2	1459.8	1416.4	1374.7	1349.2	1253.6
32.5°	1552.0	1551.4	1577.0	1596.5	1570.9	1556.4	1534.2	1490.3	1457.0	1445.9	1338.1
35°	1625.4	1625.4	1646.5	1665.9	1647.6	1639.8	1619.2	1584.2	1565.3	1578.7	1450.9
37.5°	1699.3	1695.4	1715.4	1737.0	1735.4	1735.9	1724.3	1707.6	1708.7	1755.9	1605.9
40°	1760.4	1758.7	1782.1	1810.4	1832.6	1850.4	1843.2	1849.3	1884.3	1972.6	1804.3
42.5°	1809.3	1813.2	1843.2	1888.2	1944.3	1980.4	1985.4	2010.4	2100.5	2237.2	2028.2
45°	1865.4	1866.0	1907.6	1976.5	2066.0	2123.2	2143.2	2207.7	2335.5	2511.7	2273.8
47.5°	1934.3	1927.6	1974.3	2071.0	2200.5	2284.9	2320.5	2401.1	2598.9	2779.5	2473.9
50°	2010.4	1998.2	2051.0	2182.7	2351.1	2456.6	2528.9	2646.7	2860.1	2999.5	2622.8
52.5°	2098.8	2087.1	2147.1	2311.1	2531.7	2660.0	2752.8	2871.7	3084.0	3167.4	2711.7
55°	2211.0	2199.4	2262.7	2465.0	2745.0	2911.7	3009.0	3109.0	3292.4	3291.3	2776.2
57.5°	2335.5	2319.4	2407.2	2659.5	3011.2	3184.6	3283.5	3332.4	3450.7	3387.4	2819.5
60°	2478.3	2463.9	2585.6	2891.2	3318.5	3479.1	3541.3	3521.3	3580.8	3444.1	2804.5
62.5°	2607.2	2600.6	2751.7	3136.8	3611.3	3746.9	3764.1	3676.9	3676.4	3445.2	2703.4
65°	2741.1	2753.9	2978.4	3419.6	3905.8	3997.0	3967.5	3831.4	3714.7	3309.1	2404.4
67.5°	2791.2	2828.4	3127.9	3675.2	4138.1	4209.2	4157.6	3908.6	3555.2	2851.2	1831.0
70°	2482.2	2552.2	2986.8	3689.7	4234.3	4302.0	4178.1	3700.8	2964.0	1888.7	1003.0
72.5°	1887.6	1969.3	2488.9	3021.2	3808.0	3962.5	3750.8	3015.1	1910.4	827.4	336.7
75°	1056.3	1144.7	1853.7	2274.9	2556.7	2697.8	2620.0	1934.3	846.3	216.2	100.6
77.5°	357.3	386.8	862.4	1407.5	1687.6	1560.9	1321.4	960.8	311.2	82.2	53.3
80°	211.7	222.8	321.2	700.7	888.0	736.3	581.2	355.1	158.4	43.9	37.2
82.5°	63.3	75.0	177.3	260.1	347.9	216.7	183.4	202.8	82.2	23.9	31.1
85°	0.0	0.0	37.8	80.6	91.1	35.6	35.6	115.0	15.0	10.0	22.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.8	1.7	2.2	5.0
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°	1036.3	1036.3	1036.3	1036.3	1036.3	1036.3	1036.3	1036.3	1036.3	1036.3	1036.3
2.5°	1029.7	1010.2	987.4	965.8	945.2	918.5	905.8	890.2	876.9	869.6	873.5
5°	1009.1	978.5	931.9	884.6	836.8	791.8	751.3	724.0	699.6	686.8	689.6
7.5°	991.3	950.2	877.4	800.2	723.5	646.3	583.5	534.6	496.8	481.2	478.4
10°	983.5	931.9	829.1	717.9	600.1	496.2	407.3	353.4	315.1	296.2	299.5
12.5°	987.4	922.4	787.9	637.4	484.5	363.4	278.4	227.8	200.6	189.5	186.7
15°	998.5	920.2	751.3	555.1	374.0	253.9	192.3	171.7	166.1	165.0	165.0
17.5°	1011.3	920.8	713.5	471.8	284.0	188.4	164.5	160.6	158.9	157.8	158.4
20°	1024.1	920.8	670.1	387.3	213.4	162.8	156.7	153.9	152.3	151.7	151.7
22.5°	1039.7	920.8	621.8	309.0	171.1	154.5	149.5	147.8	146.1	145.6	145.0
25°	1058.6	921.3	568.5	241.7	155.6	147.3	143.4	141.7	140.0	138.9	138.9
27.5°	1085.8	925.8	509.6	188.4	146.7	140.6	137.3	135.6	133.9	132.3	132.3
30°	1125.2	936.9	443.4	155.6	138.4	133.4	130.0	128.9	127.2	125.6	125.0
32.5°	1184.1	956.3	375.1	139.5	130.6	125.6	121.7	120.6	118.9	117.2	116.7
35°	1266.4	991.9	308.4	129.5	120.6	115.6	113.4	112.8	110.6	108.9	108.9
37.5°	1387.0	1049.7	244.5	119.5	112.2	108.4	105.6	104.5	102.2	100.6	100.0
40°	1534.2	1124.7	190.0	111.7	104.5	100.6	97.8	96.1	93.4	91.1	90.0
42.5°	1722.0	1216.4	150.0	103.4	97.2	93.4	91.1	87.8	83.9	80.6	80.0
45°	1917.6	1310.8	123.9	95.6	90.6	87.2	84.5	80.0	74.5	70.6	69.5
47.5°	2067.7	1369.7	108.4	87.2	83.4	80.6	77.2	71.7	65.0	60.6	59.5
50°	2174.9	1378.6	96.7	79.5	77.2	74.5	69.5	62.8	55.6	51.1	50.0
52.5°	2227.7	1338.6	87.2	72.2	70.6	67.8	61.7	54.5	46.7	42.2	41.1
55°	2251.6	1263.1	78.4	66.1	63.9	60.6	53.9	46.1	38.3	34.5	33.3
57.5°	2242.2	1151.4	70.6	60.0	57.2	53.3	46.1	37.8	31.7	27.8	27.2
60°	2172.1	994.7	62.8	53.9	50.6	46.1	38.9	31.1	25.6	22.8	22.2
62.5°	2021.0	800.2	55.0	46.7	44.5	40.0	33.3	25.6	21.1	19.4	18.9
65°	1711.5	565.7	47.2	39.5	38.3	33.9	27.8	21.1	18.3	17.2	16.7
67.5°	1230.3	344.0	40.0	33.9	32.8	28.9	23.3	18.3	16.7	16.1	16.1
70°	618.5	162.8	31.7	27.8	27.8	23.9	20.0	16.7	16.1	15.6	15.6
72.5°	210.0	69.5	23.9	21.7	22.8	20.6	17.2	15.6	15.6	15.6	15.6
75°	71.7	36.7	16.7	15.6	16.7	16.7	15.0	15.0	15.6	15.6	15.6
77.5°	46.7	24.4	11.7	10.6	12.8	12.8	12.8	13.9	15.0	15.0	15.0
80°	38.3	13.3	7.8	7.2	9.4	9.4	10.6	12.8	13.9	13.9	13.9
82.5°	32.8	8.3	4.4	5.0	6.7	7.2	8.9	10.6	12.2	12.8	12.8
85°	22.2	4.4	3.3	3.9	4.4	5.6	7.2	8.9	10.0	11.1	11.1
87.5°	6.1	1.7	2.2	2.8	2.8	3.9	5.6	6.7	7.8	8.3	8.3
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)