

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: P630967

Luminaire Tested: GWS-SA1E-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630967
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-SA1E-760-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5984.7 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

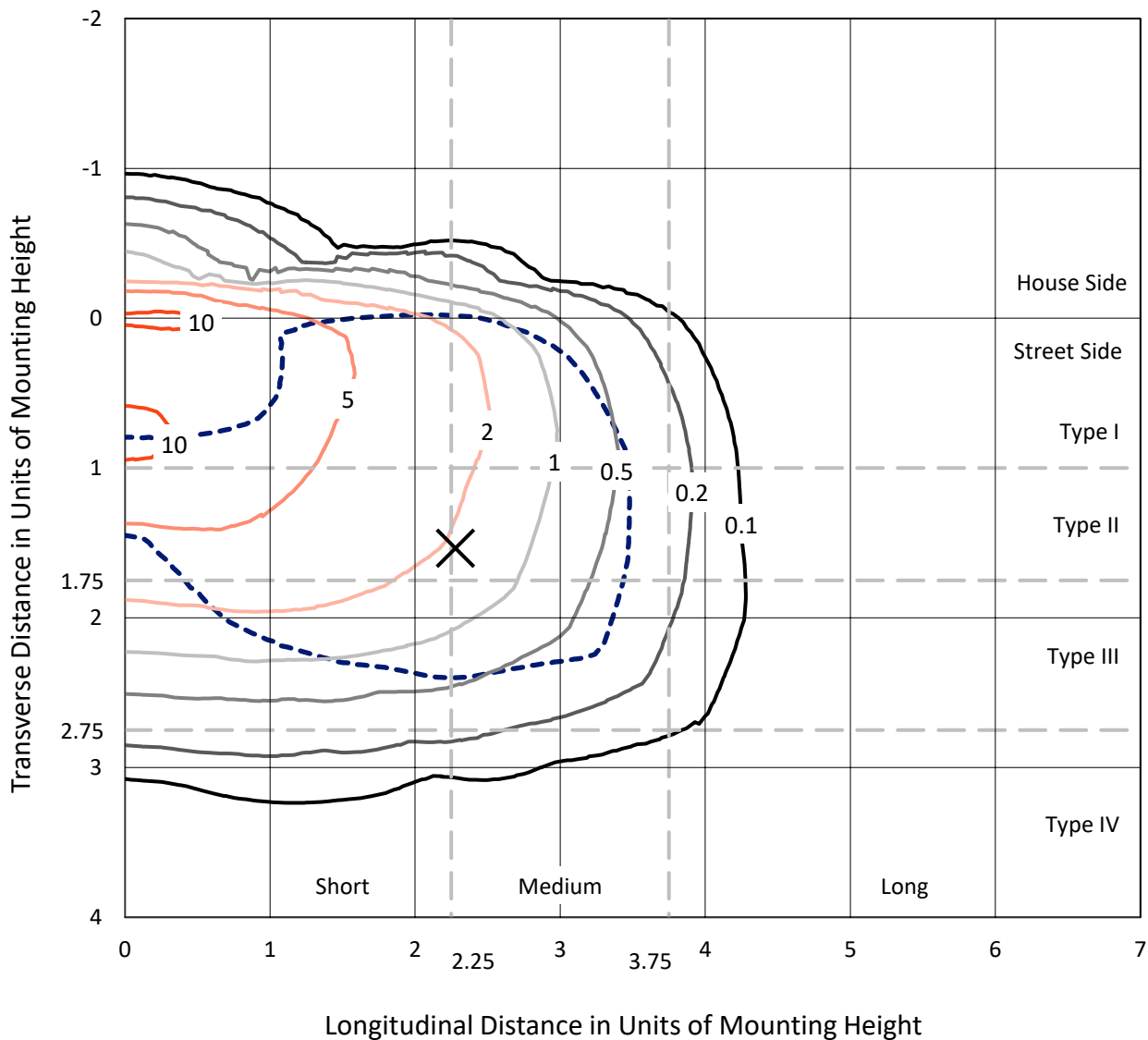
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

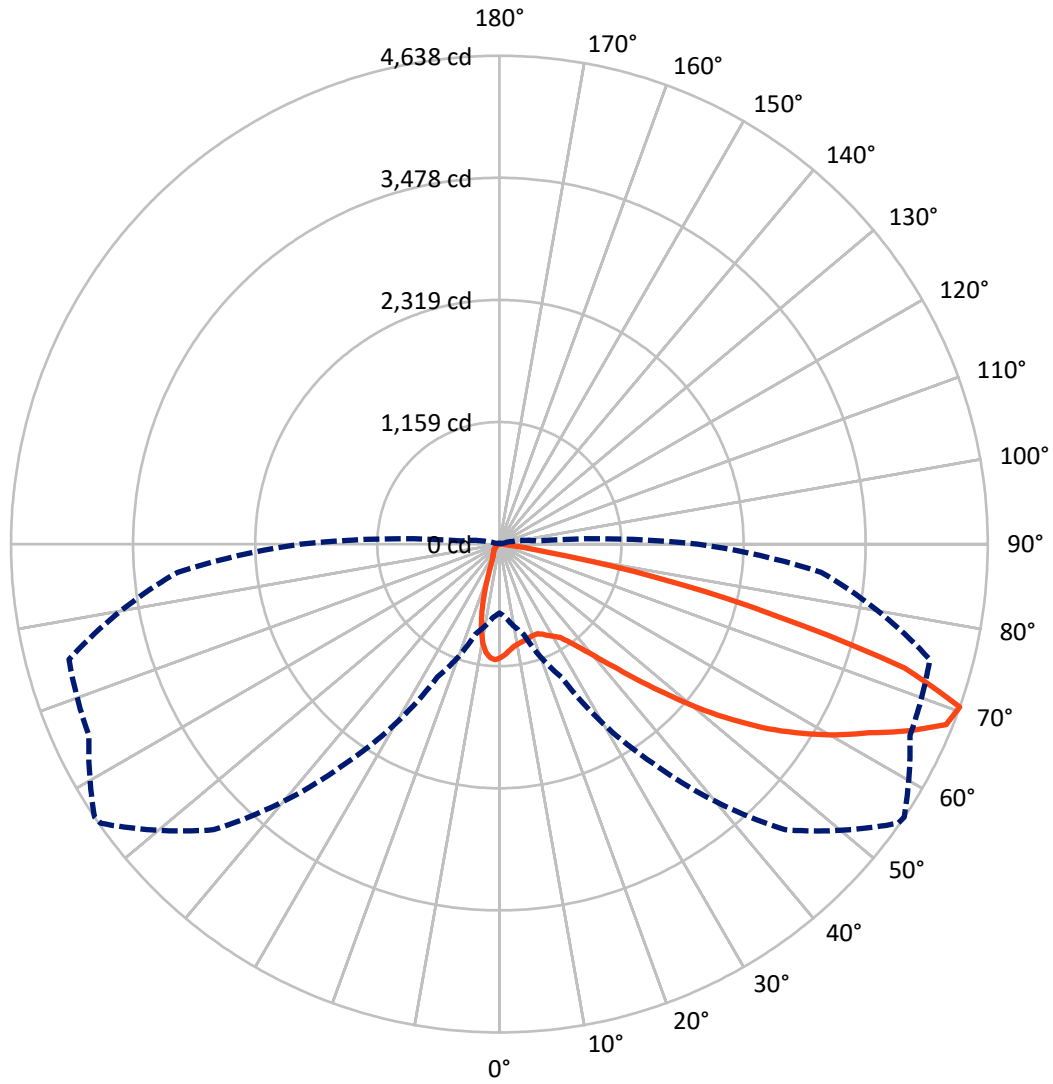
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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	537.5	0.0	537.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	5447.2	0.0	5447.2
	% Fixture	91.0	0.0	91.0
Total	Lumens	5984.7	0.0	5984.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	1.5
10°-20°	208.4	3.5
20°-30°	330.1	5.5
30°-40°	569.2	9.5
40°-50°	961.2	16.1
50°-60°	1412.3	23.6
60°-70°	1674.4	28.0
70°-80°	714.0	11.9
80°-90°	22.4	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°	5984.7	100.0
0°-180°	5984.7	100.0

Coefficient of Utilization



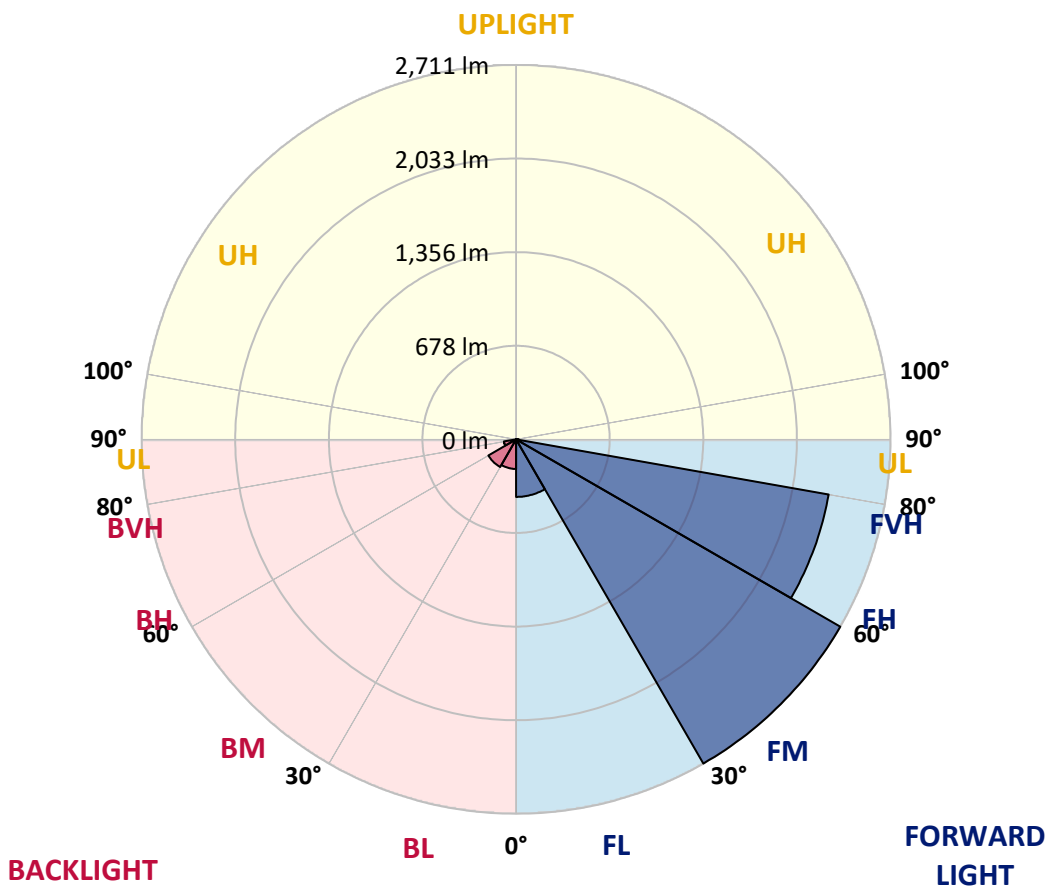
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.0	7.0			
FM (30°-60°)	2711.2	45.3			
FH (60°-80°)	2298.8	38.4			G2/5000
FVH (80°-90°)	20.1	0.3			G1/100
BL (0°-30°)	214.1	3.6	B1/500		
BM (30°-60°)	231.5	3.9	B1/1000		
BH (60°-80°)	89.7	1.5	B0/110		G0/110
BVH (80°-90°)	2.3	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°	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1
2.5°	1004.6	1002.9	1004.0	1012.2	1027.6	1034.7	1046.8	1049.0	1058.8	1071.4	1076.4
5°	939.4	933.9	936.6	948.1	965.7	985.4	1007.9	1013.9	1038.5	1066.5	1087.3
7.5°	879.6	873.6	880.2	898.2	922.9	944.3	977.7	981.5	1021.0	1070.3	1108.1
10°	785.9	787.5	800.7	832.5	870.3	914.7	959.6	965.1	1013.9	1082.9	1141.6
12.5°	714.1	710.3	724.5	760.7	813.8	878.5	945.9	953.1	1014.4	1102.1	1184.3
15°	680.7	679.6	685.6	711.9	763.4	839.6	933.3	942.6	1021.6	1119.7	1224.9
17.5°	681.8	680.1	679.6	694.9	733.3	810.6	919.6	931.7	1027.6	1138.8	1267.6
20°	729.4	721.8	708.1	701.0	724.0	791.9	910.3	924.0	1036.4	1159.1	1313.1
22.5°	829.2	831.9	795.2	756.9	745.9	794.1	909.2	925.1	1055.5	1190.9	1369.0
25°	1028.7	1024.3	956.3	870.3	810.6	819.3	928.4	947.6	1093.4	1236.4	1421.6
27.5°	1278.6	1282.4	1189.3	1052.2	927.3	871.4	963.5	982.6	1137.2	1264.9	1456.7
30°	1551.0	1547.1	1447.4	1295.6	1092.8	958.0	998.5	1015.5	1159.1	1280.2	1492.9
32.5°	1808.6	1799.8	1701.1	1542.2	1303.8	1094.4	1046.8	1056.6	1188.2	1313.7	1541.7
35°	2028.3	2027.8	1941.7	1772.4	1520.8	1265.4	1129.5	1137.7	1242.4	1366.8	1613.4
37.5°	2255.2	2247.5	2151.1	1996.5	1743.9	1452.9	1256.1	1252.8	1327.9	1445.2	1701.7
40°	2441.5	2436.6	2362.6	2214.1	1975.7	1660.0	1409.6	1399.7	1429.3	1553.7	1824.4
42.5°	2579.7	2580.2	2557.2	2466.8	2221.2	1899.5	1602.5	1587.1	1586.6	1717.6	1986.7
45°	2684.3	2691.5	2726.0	2712.3	2511.1	2178.5	1849.7	1833.8	1806.9	1930.2	2172.5
47.5°	2733.1	2742.4	2846.5	2901.4	2764.9	2455.2	2144.0	2110.5	2057.9	2213.0	2380.2
50°	2728.2	2744.6	2889.8	3056.4	2995.1	2735.8	2464.6	2448.7	2362.6	2512.2	2585.7
52.5°	2616.4	2651.4	2892.6	3150.7	3172.1	2994.5	2796.1	2766.5	2724.9	2824.6	2778.6
55°	2312.8	2355.5	2776.9	3180.9	3310.2	3220.3	3120.6	3096.5	3027.4	3119.5	2946.8
57.5°	2147.8	2184.5	2533.6	3166.1	3427.5	3429.1	3409.4	3389.7	3332.7	3411.0	3144.1
60°	2048.6	2085.3	2403.7	3111.8	3533.8	3649.4	3680.7	3678.5	3596.3	3742.6	3375.4
62.5°	1903.4	1953.8	2268.4	2971.0	3609.4	3866.5	3960.7	3945.9	3854.4	4087.9	3604.5
65°	1610.2	1654.0	1991.0	2738.6	3565.0	4046.2	4264.3	4272.0	4166.2	4412.9	3785.4
67.5°	1129.0	1161.3	1496.2	2250.8	3263.6	4105.4	4575.1	4574.5	4394.2	4579.5	3705.3
70°	654.4	698.8	884.0	1391.5	2539.1	3836.3	4621.7	4637.6	4301.6	4231.5	3066.3
72.5°	253.2	289.9	500.9	739.3	1324.1	2938.6	3975.5	4022.1	3600.1	3264.2	2134.1
75°	75.6	84.4	235.7	393.5	531.6	1419.4	2691.5	2704.6	2469.5	2036.0	1093.9
77.5°	56.4	62.5	103.0	198.9	186.3	430.2	1392.6	1520.8	1310.9	727.3	301.4
80°	38.4	45.5	73.4	97.0	69.1	114.5	391.3	429.7	400.1	163.3	75.6
82.5°	17.0	21.9	52.1	48.8	25.2	32.9	120.6	128.2	82.8	49.3	26.3
85°	1.6	2.2	19.7	21.4	9.3	7.7	25.2	25.2	18.1	17.0	11.0
87.5°	0.0	0.0	0.5	1.1	1.1	1.6	2.2	2.7	3.3	4.4	5.5
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°	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1	1079.1
2.5°	1089.0	1082.4	1090.6	1097.2	1098.8	1086.8	1079.6	1069.2	1067.0	1067.6	1064.9
5°	1103.8	1100.5	1106.5	1099.4	1080.7	1045.7	1015.5	982.1	964.0	953.6	952.5
7.5°	1131.2	1129.5	1122.9	1090.6	1032.5	954.7	879.6	806.2	760.7	744.2	741.5
10°	1171.7	1168.4	1141.6	1064.9	941.0	791.4	665.3	560.1	496.0	477.3	454.3
12.5°	1218.3	1211.7	1153.1	1009.5	802.9	595.7	438.4	320.6	265.3	248.8	248.8
15°	1263.2	1249.0	1146.5	918.0	633.0	387.5	245.0	185.2	168.2	163.9	163.9
17.5°	1309.3	1281.9	1120.8	793.0	437.3	229.1	163.3	151.8	149.6	150.2	150.7
20°	1352.6	1309.8	1075.3	642.9	279.0	160.0	146.3	143.6	142.5	143.6	143.0
22.5°	1399.7	1335.6	1006.2	479.0	181.4	144.1	139.2	137.0	135.9	137.6	137.6
25°	1446.3	1354.2	914.7	322.3	144.1	134.3	131.5	129.3	128.2	128.8	128.8
27.5°	1470.4	1347.1	794.7	205.5	129.3	124.4	121.7	118.9	117.3	116.7	117.3
30°	1486.8	1325.2	647.8	146.3	117.3	111.3	108.5	106.3	101.9	99.2	100.3
32.5°	1512.6	1303.3	488.3	122.8	107.4	98.1	93.7	88.2	82.2	79.5	79.5
35°	1543.3	1273.1	342.5	110.7	97.0	87.1	78.9	69.6	62.5	60.3	60.3
37.5°	1583.9	1244.6	228.0	102.5	88.2	77.8	66.3	55.4	47.7	46.6	46.0
40°	1644.7	1220.5	160.6	96.5	80.6	68.0	54.3	42.7	37.3	35.6	35.6
42.5°	1723.6	1195.8	127.1	90.4	74.0	58.6	43.3	34.0	29.6	28.5	28.0
45°	1821.2	1166.8	110.7	84.9	67.4	48.8	34.5	28.5	25.2	24.1	24.1
47.5°	1926.9	1127.3	103.0	77.8	59.7	39.5	29.0	24.7	23.0	22.5	21.9
50°	2031.1	1074.2	96.5	71.2	51.0	32.3	25.2	22.5	21.4	20.8	20.8
52.5°	2122.0	1012.2	88.2	63.6	41.7	28.0	22.5	20.8	19.7	18.6	18.1
55°	2199.9	944.8	77.8	54.8	34.0	24.7	20.8	19.2	18.1	17.0	16.4
57.5°	2300.1	906.5	62.5	44.4	28.0	21.9	19.2	17.5	16.4	14.8	14.8
60°	2411.4	878.5	46.6	35.1	24.1	20.3	17.5	15.9	14.8	13.2	13.2
62.5°	2500.7	836.9	36.7	28.5	20.8	18.1	15.9	14.2	13.2	11.5	11.5
65°	2534.7	750.8	30.1	22.5	17.0	15.9	14.2	13.2	11.5	9.9	9.9
67.5°	2381.3	578.7	25.2	18.1	14.2	13.7	12.6	12.1	9.9	8.8	8.2
70°	1885.8	352.9	20.8	14.8	12.1	11.5	11.5	10.4	8.8	8.2	7.7
72.5°	1292.3	182.0	17.0	12.1	10.4	10.4	9.9	9.3	8.2	7.7	7.7
75°	671.4	60.8	13.2	9.3	8.2	8.8	8.8	8.2	7.7	7.7	7.1
77.5°	192.4	27.4	9.9	7.1	6.6	6.6	7.1	7.1	7.1	6.6	6.6
80°	49.9	15.9	7.1	5.5	5.5	5.5	5.5	6.0	6.6	6.0	6.0
82.5°	20.3	8.8	4.9	4.4	4.4	4.4	4.4	4.9	5.5	5.5	5.5
85°	12.6	4.4	3.8	3.8	3.8	3.3	3.3	3.8	3.8	4.4	4.4
87.5°	7.7	3.3	3.3	3.3	3.3	2.7	2.7	2.7	2.7	2.7	2.7
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)