

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: P631352

Luminaire Tested: GWS-SA1F-740-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631352
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-SA1F-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6595.2 lumens
Efficiency: N/A
Efficacy: 98.1 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

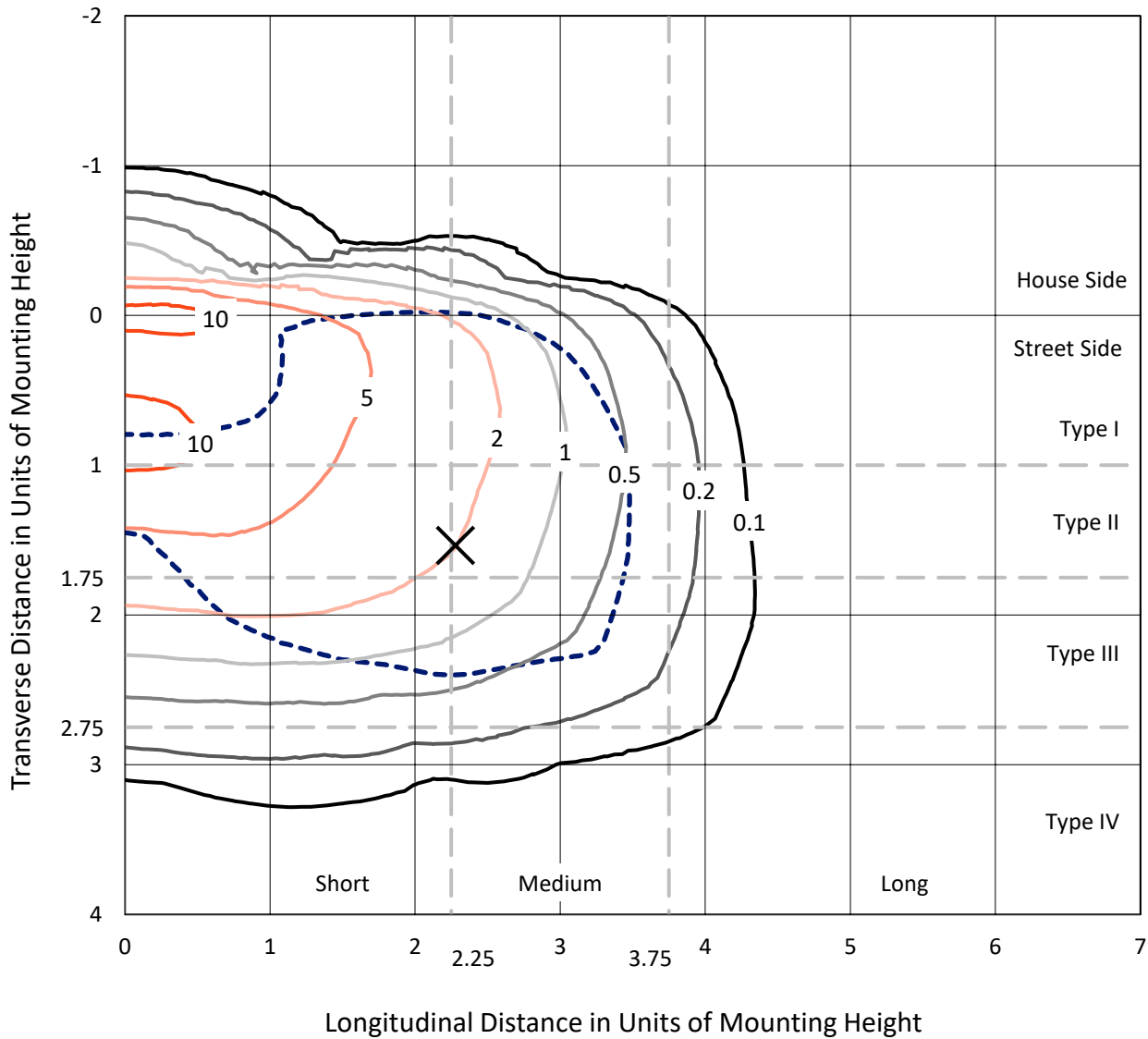
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631352
 CATALOG NUMBER: GWS-SA1F-740-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

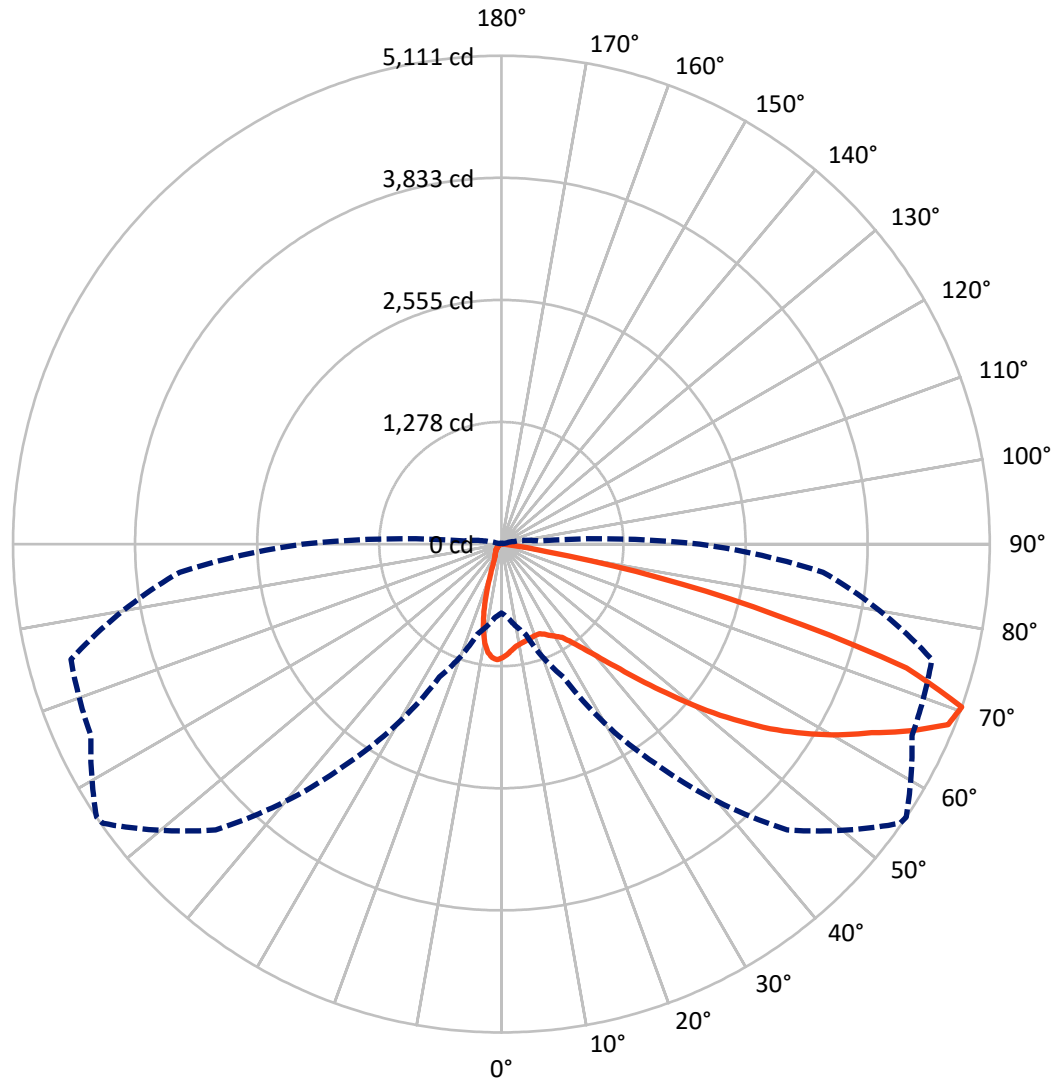
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P631352
CATALOG NUMBER: GWS-SA1F-740-U-T3R-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631352
 CATALOG NUMBER: GWS-SA1F-740-U-T3R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	592.4	0.0	592.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	6002.8	0.0	6002.8
	% Fixture	91.0	0.0	91.0
Total	Lumens	6595.2	0.0	6595.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.1	1.5
10°-20°	229.6	3.5
20°-30°	363.7	5.5
30°-40°	627.3	9.5
40°-50°	1059.3	16.1
50°-60°	1556.4	23.6
60°-70°	1845.2	28.0
70°-80°	786.9	11.9
80°-90°	24.7	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°	6595.2	100.0
0°-180°	6595.2	100.0

Coefficient of Utilization



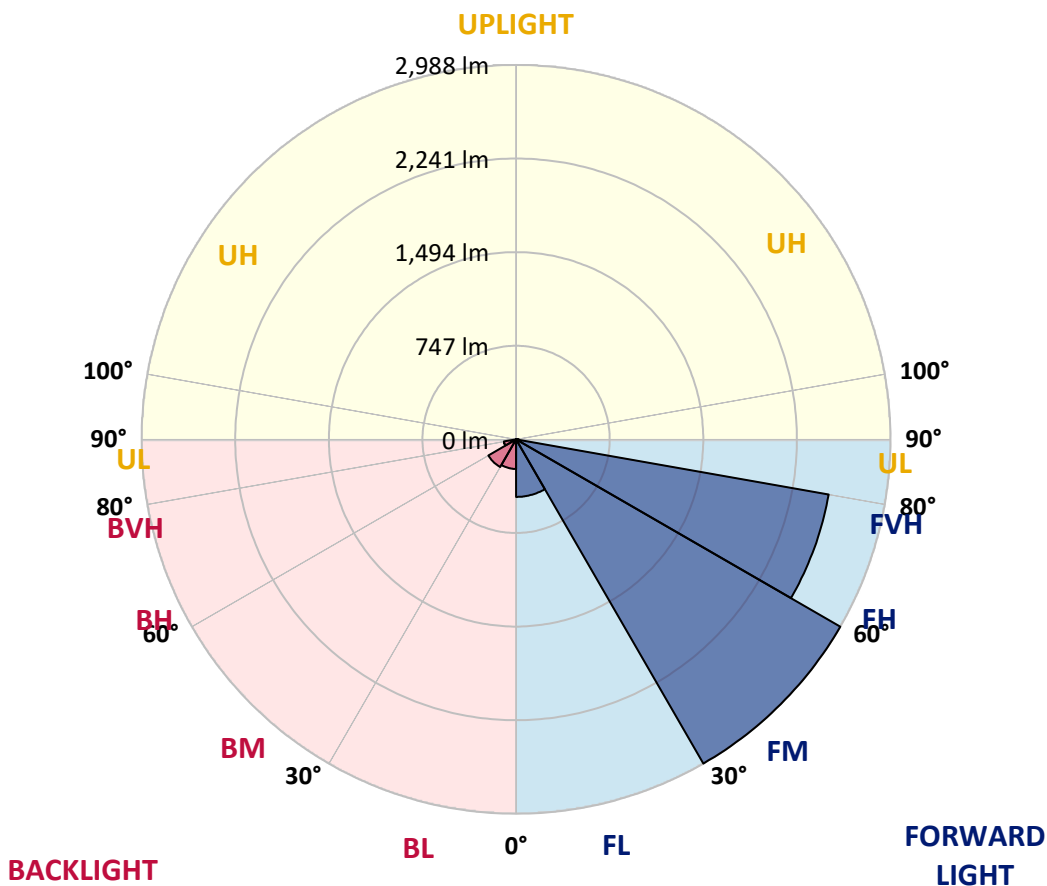
REPORT NUMBER: P631352

CATALOG NUMBER: GWS-SA1F-740-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.6	7.0			
FM (30°-60°)	2987.8	45.3			
FH (60°-80°)	2533.3	38.4			G2/5000
FVH (80°-90°)	22.2	0.3			G1/100
BL (0°-30°)	235.9	3.6	B1/500		
BM (30°-60°)	255.1	3.9	B1/1000		
BH (60°-80°)	98.8	1.5	B0/110		G0/110
BVH (80°-90°)	2.5	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





REPORT NUMBER: P631352

CATALOG NUMBER: GWS-SA1F-740-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2
2.5°	1107.0	1105.2	1106.4	1115.5	1132.4	1140.3	1153.5	1156.0	1166.8	1180.7	1186.2
5°	1035.2	1029.1	1032.2	1044.8	1064.2	1085.9	1110.7	1117.3	1144.5	1175.3	1198.2
7.5°	969.3	962.7	969.9	989.9	1017.1	1040.6	1077.4	1081.7	1125.2	1179.5	1221.2
10°	866.1	867.9	882.4	917.4	959.1	1008.0	1057.5	1063.6	1117.3	1193.4	1258.0
12.5°	786.9	782.7	798.4	838.3	896.9	968.1	1042.4	1050.3	1117.9	1214.5	1305.1
15°	750.1	748.9	755.5	784.5	841.3	925.3	1028.5	1038.8	1125.8	1233.9	1349.8
17.5°	751.3	749.5	748.9	765.8	808.1	893.2	1013.4	1026.7	1132.4	1255.0	1396.9
20°	803.9	795.4	780.3	772.5	797.8	872.7	1003.2	1018.3	1142.1	1277.4	1447.1
22.5°	913.8	916.8	876.3	834.1	822.0	875.1	1002.0	1019.5	1163.2	1312.4	1508.7
25°	1133.6	1128.8	1053.9	959.1	893.2	902.9	1023.1	1044.2	1204.9	1362.5	1566.7
27.5°	1409.0	1413.2	1310.6	1159.6	1021.9	960.3	1061.7	1082.9	1253.2	1393.9	1605.3
30°	1709.2	1705.0	1595.0	1427.7	1204.3	1055.7	1100.4	1119.1	1277.4	1410.8	1645.2
32.5°	1993.0	1983.4	1874.7	1699.5	1436.8	1206.1	1153.5	1164.4	1309.4	1447.7	1698.9
35°	2235.2	2234.6	2139.8	1953.2	1676.0	1394.5	1244.7	1253.8	1369.2	1506.3	1778.0
37.5°	2485.3	2476.8	2370.5	2200.2	1921.8	1601.1	1384.3	1380.6	1463.4	1592.6	1875.3
40°	2690.6	2685.2	2603.6	2440.0	2177.2	1829.4	1553.4	1542.5	1575.1	1712.2	2010.6
42.5°	2842.8	2843.4	2818.0	2718.4	2447.8	2093.3	1766.0	1749.0	1748.4	1892.8	2189.3
45°	2958.2	2966.0	3004.1	2989.0	2767.3	2400.7	2038.3	2020.8	1991.2	2127.1	2394.1
47.5°	3011.9	3022.2	3136.9	3197.3	3046.9	2705.7	2362.7	2325.8	2267.8	2438.8	2623.0
50°	3006.5	3024.6	3184.6	3368.2	3300.6	3014.9	2716.0	2698.5	2603.6	2768.5	2849.4
52.5°	2883.3	2921.9	3187.7	3472.1	3495.7	3300.0	3081.4	3048.7	3002.8	3112.8	3062.0
55°	2548.7	2595.8	3060.2	3505.3	3647.9	3548.8	3438.9	3412.3	3336.2	3437.7	3247.4
57.5°	2366.9	2407.4	2792.1	3489.0	3777.1	3778.9	3757.2	3735.4	3672.6	3759.0	3464.9
60°	2257.6	2298.0	2648.9	3429.2	3894.3	4021.7	4056.1	4053.7	3963.1	4124.4	3719.7
62.5°	2097.5	2153.1	2499.8	3274.0	3977.6	4260.9	4364.8	4348.5	4247.6	4504.9	3972.2
65°	1774.4	1822.7	2194.2	3017.9	3928.7	4459.0	4699.3	4707.8	4591.2	4863.0	4171.5
67.5°	1244.1	1279.8	1648.8	2480.4	3596.5	4524.2	5041.8	5041.2	4842.5	5046.6	4083.3
70°	721.1	770.0	974.2	1533.4	2798.1	4227.7	5093.1	5110.6	4740.4	4663.1	3379.1
72.5°	279.0	319.5	552.0	814.7	1459.1	3238.4	4381.1	4432.4	3967.4	3597.1	2351.8
75°	83.3	93.0	259.7	433.6	585.8	1564.2	2966.0	2980.5	2721.4	2243.7	1205.5
77.5°	62.2	68.9	113.5	219.2	205.3	474.1	1534.6	1676.0	1444.7	801.4	332.2
80°	42.3	50.1	80.9	106.9	76.1	126.2	431.2	473.5	440.9	180.0	83.3
82.5°	18.7	24.2	57.4	53.8	27.8	36.2	132.9	141.3	91.2	54.4	29.0
85°	1.8	2.4	21.7	23.6	10.3	8.5	27.8	27.8	19.9	18.7	12.1
87.5°	0.0	0.0	0.6	1.2	1.2	1.8	2.4	3.0	3.6	4.8	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631352
 CATALOG NUMBER: GWS-SA1F-740-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2
2.5°	1200.1	1192.8	1201.9	1209.1	1210.9	1197.6	1189.8	1178.3	1175.9	1176.5	1173.5
5°	1216.4	1212.7	1219.4	1211.5	1191.0	1152.3	1119.1	1082.3	1062.4	1050.9	1049.7
7.5°	1246.6	1244.7	1237.5	1201.9	1137.8	1052.1	969.3	888.4	838.3	820.2	817.1
10°	1291.2	1287.6	1258.0	1173.5	1037.0	872.1	733.2	617.2	546.6	526.0	500.7
12.5°	1342.6	1335.3	1270.7	1112.5	884.8	656.5	483.2	353.3	292.3	274.2	274.2
15°	1392.1	1376.4	1263.5	1011.6	697.6	427.0	270.0	204.1	185.4	180.6	180.6
17.5°	1442.8	1412.6	1235.1	873.9	482.0	252.5	180.0	167.3	164.9	165.5	166.1
20°	1490.6	1443.4	1185.0	708.4	307.4	176.4	161.3	158.2	157.0	158.2	157.6
22.5°	1542.5	1471.8	1108.9	527.9	199.9	158.8	153.4	151.0	149.8	151.6	151.6
25°	1593.8	1492.4	1008.0	355.1	158.8	148.0	144.9	142.5	141.3	141.9	141.9
27.5°	1620.4	1484.5	875.7	226.5	142.5	137.1	134.1	131.1	129.2	128.6	129.2
30°	1638.5	1460.4	713.9	161.3	129.2	122.6	119.6	117.2	112.3	109.3	110.5
32.5°	1666.9	1436.2	538.1	135.3	118.4	108.1	103.3	97.2	90.6	87.6	87.6
35°	1700.7	1403.0	377.5	122.0	106.9	96.0	87.0	76.7	68.9	66.4	66.4
37.5°	1745.4	1371.6	251.2	112.9	97.2	85.8	73.1	61.0	52.5	51.3	50.7
40°	1812.5	1345.0	177.0	106.3	88.8	74.9	59.8	47.1	41.1	39.3	39.3
42.5°	1899.4	1317.8	140.1	99.7	81.5	64.6	47.7	37.4	32.6	31.4	30.8
45°	2006.9	1285.8	122.0	93.6	74.3	53.8	38.0	31.4	27.8	26.6	26.6
47.5°	2123.5	1242.3	113.5	85.8	65.8	43.5	32.0	27.2	25.4	24.8	24.2
50°	2238.2	1183.7	106.3	78.5	56.2	35.6	27.8	24.8	23.6	23.0	23.0
52.5°	2338.5	1115.5	97.2	70.1	45.9	30.8	24.8	23.0	21.7	20.5	19.9
55°	2424.3	1041.2	85.8	60.4	37.4	27.2	23.0	21.1	19.9	18.7	18.1
57.5°	2534.8	998.9	68.9	48.9	30.8	24.2	21.1	19.3	18.1	16.3	16.3
60°	2657.4	968.1	51.3	38.7	26.6	22.3	19.3	17.5	16.3	14.5	14.5
62.5°	2755.8	922.2	40.5	31.4	23.0	19.9	17.5	15.7	14.5	12.7	12.7
65°	2793.3	827.4	33.2	24.8	18.7	17.5	15.7	14.5	12.7	10.9	10.9
67.5°	2624.2	637.8	27.8	19.9	15.7	15.1	13.9	13.3	10.9	9.7	9.1
70°	2078.2	388.9	23.0	16.3	13.3	12.7	12.7	11.5	9.7	9.1	8.5
72.5°	1424.1	200.5	18.7	13.3	11.5	11.5	10.9	10.3	9.1	8.5	8.5
75°	739.8	67.0	14.5	10.3	9.1	9.7	9.7	9.1	8.5	8.5	7.9
77.5°	212.0	30.2	10.9	7.9	7.2	7.2	7.9	7.9	7.9	7.2	7.2
80°	55.0	17.5	7.9	6.0	6.0	6.0	6.0	6.6	7.2	6.6	6.6
82.5°	22.3	9.7	5.4	4.8	4.8	4.8	4.8	5.4	6.0	6.0	6.0
85°	13.9	4.8	4.2	4.2	4.2	3.6	3.6	4.2	4.2	4.8	4.8
87.5°	8.5	3.6	3.6	3.6	3.6	3.0	3.0	3.0	3.0	3.0	3.0
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)