

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: P631412

Luminaire Tested: GWS-SA1F-750-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-750-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8544.1 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

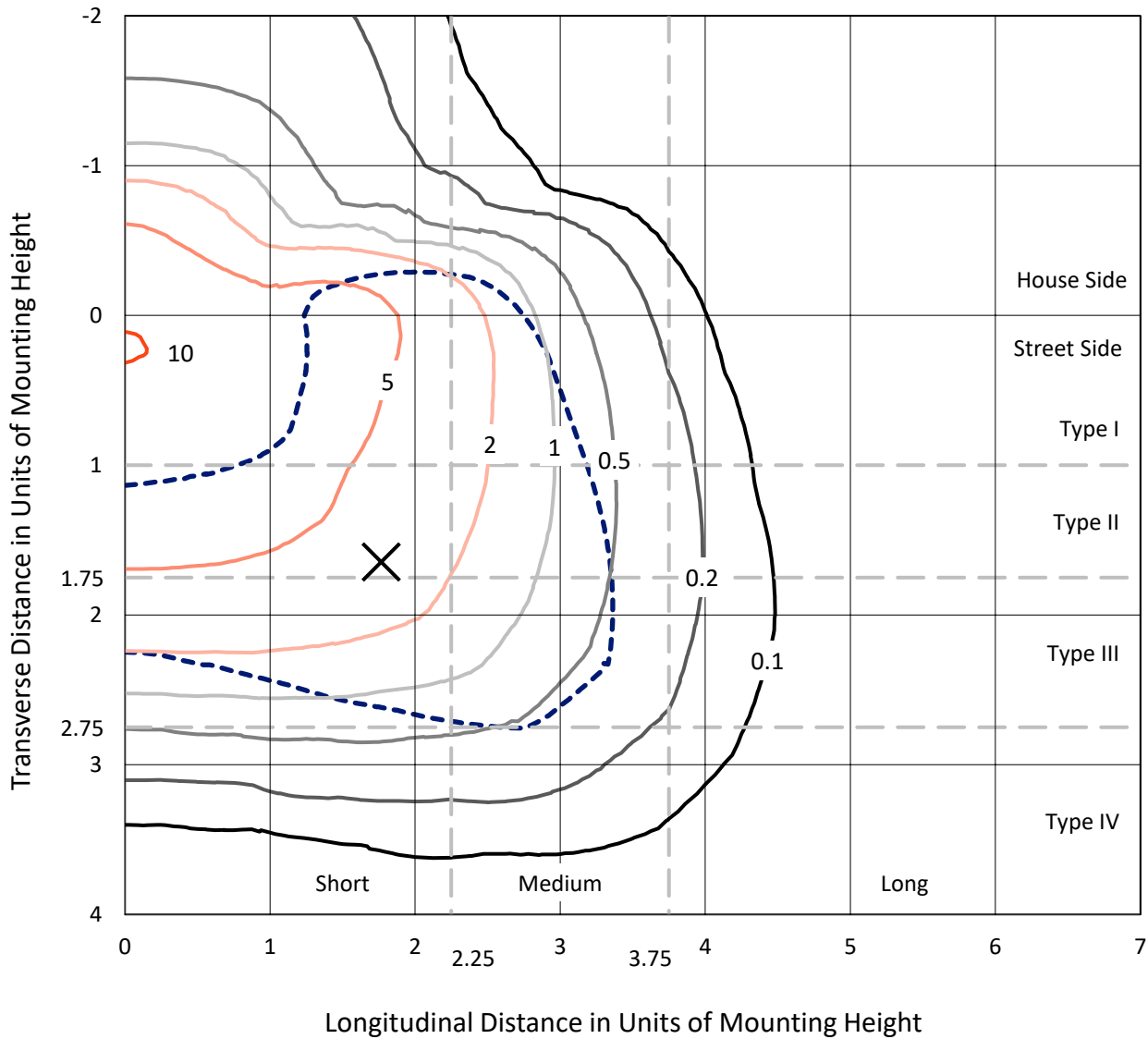
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

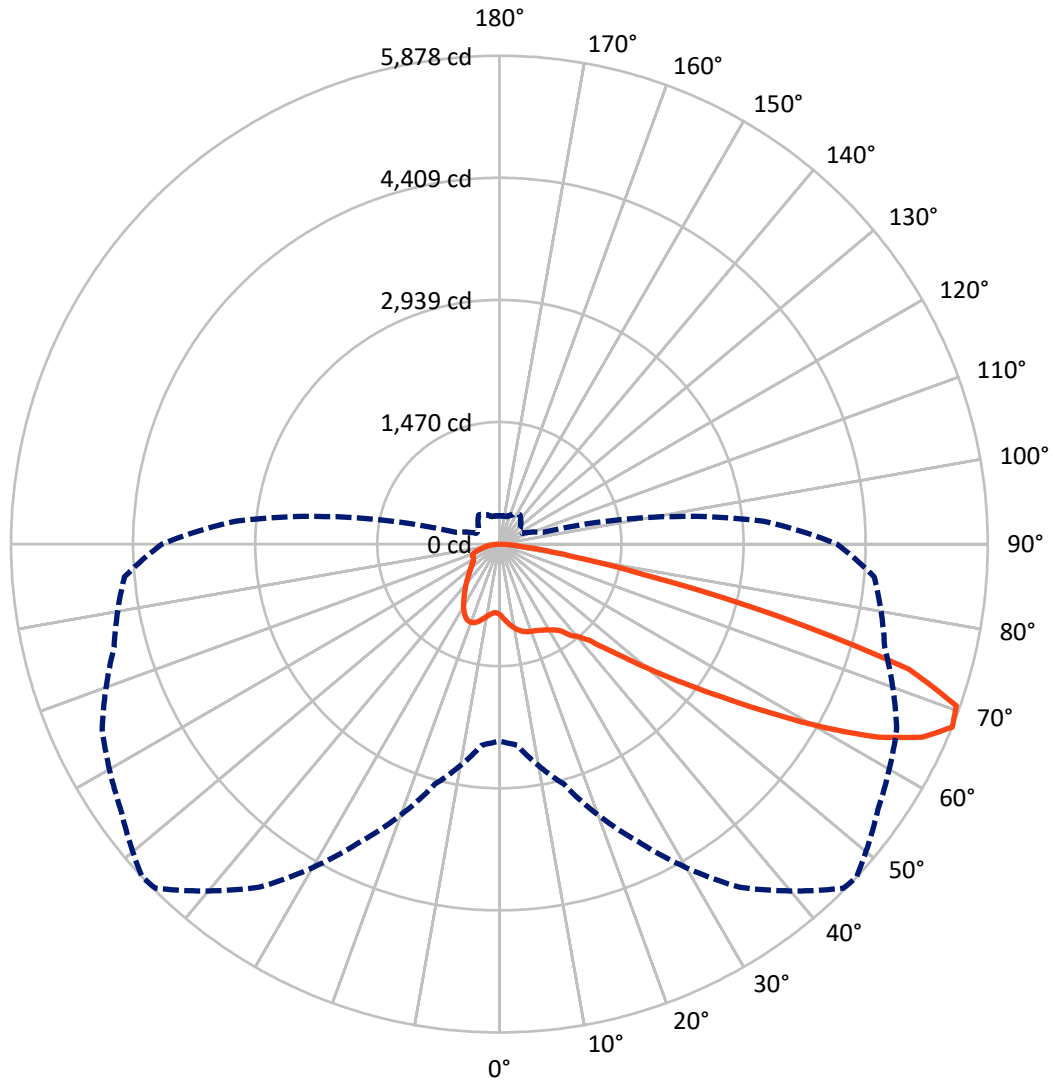
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1947.3	0.0	1947.3
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	6596.8	0.0	6596.8
	% Fixture	77.2	0.0	77.2
Total	Lumens	8544.1	0.0	8544.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	1.0
10°-20°	288.4	3.4
20°-30°	490.2	5.7
30°-40°	718.1	8.4
40°-50°	1094.1	12.8
50°-60°	1957.6	22.9
60°-70°	2612.2	30.6
70°-80°	1181.3	13.8
80°-90°	115.7	1.4
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°	8544.1	100.0
0°-180°	8544.1	100.0

Coefficient of Utilization



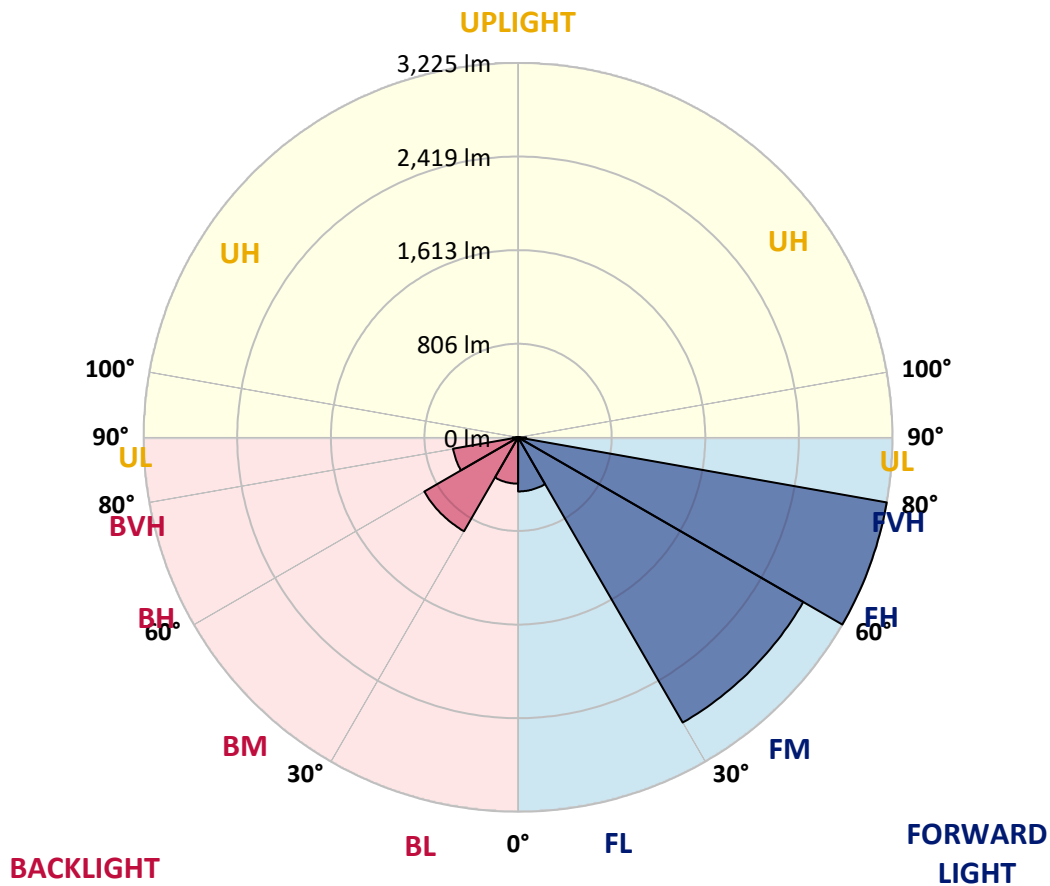
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	466.0	5.5			
FM (30°-60°)	2836.7	33.2			
FH (60°-80°)	3225.3	37.7			G2/5000
FVH (80°-90°)	68.8	0.8			G1/100
BL (0°-30°)	399.2	4.7	B1/500		
BM (30°-60°)	933.0	10.9	B1/1000		
BH (60°-80°)	568.1	6.6	B2/1000		G2/1000
BVH (80°-90°)	46.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	847.0	847.0	847.0	847.0	847.0	847.0	847.0	847.0	847.0	847.0	847.0
2.5°	903.2	906.3	905.7	900.7	897.6	892.1	892.7	884.1	871.1	862.4	852.6
5°	982.9	987.8	981.7	973.6	961.3	943.4	941.5	921.7	897.0	879.7	861.8
7.5°	1052.1	1055.2	1047.8	1034.2	1016.3	992.2	987.8	964.4	933.5	906.3	880.4
10°	1105.8	1109.6	1099.7	1081.8	1058.3	1034.2	1031.1	1007.0	974.3	942.1	909.4
12.5°	1151.6	1152.8	1142.3	1118.2	1092.9	1068.2	1065.1	1042.8	1012.6	979.8	944.0
15°	1178.1	1178.7	1165.8	1139.2	1115.1	1093.5	1091.6	1072.5	1044.7	1013.8	975.5
17.5°	1176.3	1177.5	1168.2	1144.8	1123.8	1110.8	1108.9	1096.6	1075.0	1047.2	1008.9
20°	1153.4	1154.7	1148.5	1133.0	1121.9	1118.2	1118.8	1115.1	1102.1	1079.3	1040.4
22.5°	1135.5	1137.4	1131.8	1120.7	1119.4	1128.1	1129.9	1131.8	1125.6	1105.2	1067.5
25°	1144.1	1147.2	1138.6	1123.1	1125.6	1144.8	1148.5	1154.7	1149.7	1132.4	1099.7
27.5°	1204.1	1205.9	1183.7	1152.2	1144.8	1165.2	1170.7	1180.6	1176.9	1160.8	1135.5
30°	1343.1	1341.8	1294.3	1217.0	1186.2	1194.2	1198.5	1212.7	1214.0	1203.5	1179.4
32.5°	1538.9	1532.7	1459.2	1336.3	1246.7	1226.9	1231.9	1251.0	1265.2	1254.1	1221.4
35°	1745.9	1740.3	1659.4	1515.4	1358.5	1289.9	1284.4	1299.2	1320.8	1289.9	1243.0
37.5°	1943.0	1934.3	1851.5	1673.6	1496.3	1400.5	1392.5	1377.7	1364.7	1305.4	1269.6
40°	2161.6	2151.8	2079.5	1878.1	1648.3	1485.2	1464.8	1406.1	1394.4	1356.7	1338.8
42.5°	2395.2	2395.2	2335.2	2136.9	1831.7	1606.3	1579.7	1491.3	1503.7	1479.0	1458.0
45°	2628.7	2635.5	2587.9	2397.6	2077.0	1834.8	1792.2	1666.8	1696.5	1685.3	1674.8
47.5°	2827.6	2840.6	2831.3	2663.9	2377.3	2112.8	2048.0	1917.6	1981.3	2007.8	2037.5
50°	3042.0	3056.2	3046.9	2980.8	2728.8	2449.5	2391.5	2256.8	2366.1	2445.8	2542.8
52.5°	3360.2	3380.5	3303.3	3278.0	3155.7	2832.0	2780.1	2626.8	2825.2	2957.4	3173.6
55°	3628.9	3628.3	3601.1	3659.2	3614.1	3299.6	3242.2	3103.2	3356.5	3496.7	3813.0
57.5°	3753.7	3768.5	3861.8	4026.1	4116.3	3871.1	3816.1	3674.0	3926.7	3999.6	4341.2
60°	3817.9	3836.5	4016.9	4341.8	4584.6	4495.0	4473.4	4292.4	4434.5	4425.9	4786.6
62.5°	3727.7	3764.8	4054.6	4486.4	4918.8	5122.1	5115.3	4841.6	4866.3	4781.7	5062.8
65°	3313.8	3354.0	3808.7	4414.1	5109.7	5599.0	5600.9	5338.9	5198.1	4954.7	5016.5
67.5°	2369.8	2427.3	2989.5	3949.5	5042.4	5856.7	5878.3	5564.4	5275.9	4801.5	4529.6
70°	1291.8	1333.8	1774.3	2870.9	4435.7	5794.9	5835.0	5455.7	4932.4	4153.4	3486.8
72.5°	586.9	600.5	825.4	1575.4	3030.3	4988.0	5156.1	4868.8	4050.9	3067.9	2217.2
75°	268.7	274.9	359.6	753.7	1583.4	3337.9	3455.9	3626.4	2819.0	1937.4	1155.9
77.5°	168.7	170.5	204.5	344.7	789.5	1666.2	1790.4	2159.2	1650.7	958.8	483.1
80°	99.5	101.3	127.3	186.6	370.7	762.4	880.4	853.8	775.9	413.9	219.9
82.5°	50.0	51.9	73.5	106.3	202.0	303.3	357.1	358.9	289.1	224.3	124.2
85°	17.9	18.5	24.1	42.0	85.9	100.1	111.8	136.5	141.5	130.4	59.9
87.5°	0.0	0.0	0.6	1.2	2.5	9.9	10.5	19.8	41.4	46.3	24.1
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: P631412
 CATALOG NUMBER: GWS-SA1F-750-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	847.0	847.0	847.0	847.0	847.0	847.0	847.0	847.0	847.0	847.0	847.0
2.5°	849.5	840.2	837.1	834.0	829.1	827.2	823.5	819.8	819.8	816.1	814.2
5°	853.8	841.4	833.4	829.7	826.6	828.5	828.5	829.7	834.0	831.5	832.8
7.5°	869.2	855.0	843.9	840.8	840.8	848.2	853.2	859.3	867.4	868.6	868.6
10°	896.4	879.7	868.0	866.1	869.2	879.7	887.1	894.6	904.4	905.1	906.3
12.5°	926.1	909.4	897.6	900.1	903.2	916.8	924.8	931.0	940.9	940.9	940.3
15°	957.0	938.4	928.5	933.5	942.7	958.2	959.4	960.0	965.0	963.8	963.1
17.5°	989.1	969.3	961.9	969.3	979.2	986.6	980.4	971.8	969.9	967.5	966.2
20°	1020.6	1000.2	997.1	1002.7	1005.8	999.6	980.4	964.4	957.0	953.3	952.0
22.5°	1047.8	1030.5	1028.6	1028.6	1013.2	991.6	963.1	941.5	931.6	926.7	925.5
25°	1079.9	1063.8	1060.7	1044.1	1004.5	965.0	926.7	906.9	898.9	896.4	897.0
27.5°	1117.6	1106.5	1096.6	1049.0	979.8	918.0	874.8	866.1	863.1	866.1	868.0
30°	1163.9	1152.8	1130.6	1042.8	940.3	856.9	815.5	814.9	824.1	832.2	833.4
32.5°	1201.6	1196.7	1160.2	1023.1	884.7	789.5	754.3	756.8	773.5	784.6	786.4
35°	1231.3	1239.3	1184.9	990.3	818.6	725.9	698.1	699.3	708.6	724.1	724.7
37.5°	1273.3	1300.4	1207.2	940.3	742.6	670.9	645.6	636.3	635.1	639.4	640.6
40°	1357.9	1398.7	1223.2	867.4	669.1	621.5	593.1	575.2	559.7	548.0	544.3
42.5°	1485.8	1532.7	1232.5	779.0	603.6	572.7	540.6	517.7	490.5	465.8	457.2
45°	1720.5	1736.0	1232.5	685.1	545.5	527.0	494.9	467.7	433.1	404.0	397.9
47.5°	2096.2	2046.7	1233.7	594.3	494.2	486.8	459.0	428.1	389.8	365.7	362.0
50°	2662.1	2488.5	1259.1	518.9	451.6	452.8	432.5	398.5	363.9	346.0	342.9
52.5°	3303.3	3032.7	1327.0	463.3	415.8	425.0	413.9	381.2	350.3	334.8	331.8
55°	3906.3	3533.1	1385.1	423.8	385.5	401.6	400.9	370.7	342.9	327.4	325.6
57.5°	4419.1	3876.0	1376.4	391.7	359.6	379.9	389.2	363.9	337.9	325.0	323.1
60°	4737.8	4057.6	1253.5	362.0	339.8	364.5	382.4	362.0	340.4	337.3	337.9
62.5°	4876.2	4024.3	1017.5	339.8	326.8	357.1	389.8	375.0	363.3	370.7	375.0
65°	4661.2	3737.6	748.8	323.1	314.5	358.9	407.1	395.4	363.3	368.2	370.1
67.5°	4064.4	3181.6	541.2	306.4	299.0	364.5	431.8	392.3	342.3	342.3	338.5
70°	2928.9	2288.3	392.9	289.7	283.6	356.5	433.1	371.3	318.2	316.3	307.0
72.5°	1762.6	1349.9	306.4	271.2	260.1	316.3	405.9	346.6	294.7	279.2	268.1
75°	915.6	676.5	257.0	250.8	223.0	268.1	371.3	308.3	252.1	238.5	232.3
77.5°	392.3	316.3	220.6	223.6	185.3	225.5	299.6	266.9	223.6	206.3	200.8
80°	193.4	179.8	174.2	179.2	148.3	174.2	258.2	233.5	189.7	169.9	161.9
82.5°	110.6	105.0	125.4	127.3	105.6	145.8	218.1	197.7	156.9	135.3	122.3
85°	51.3	55.0	76.0	76.6	65.5	100.1	142.7	111.2	83.4	69.2	66.1
87.5°	20.4	24.1	33.4	32.7	19.2	18.5	12.4	6.8	5.6	4.9	4.3
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)