

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: P630909

Luminaire Tested: GWS-SA1E-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630909
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7756.5 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

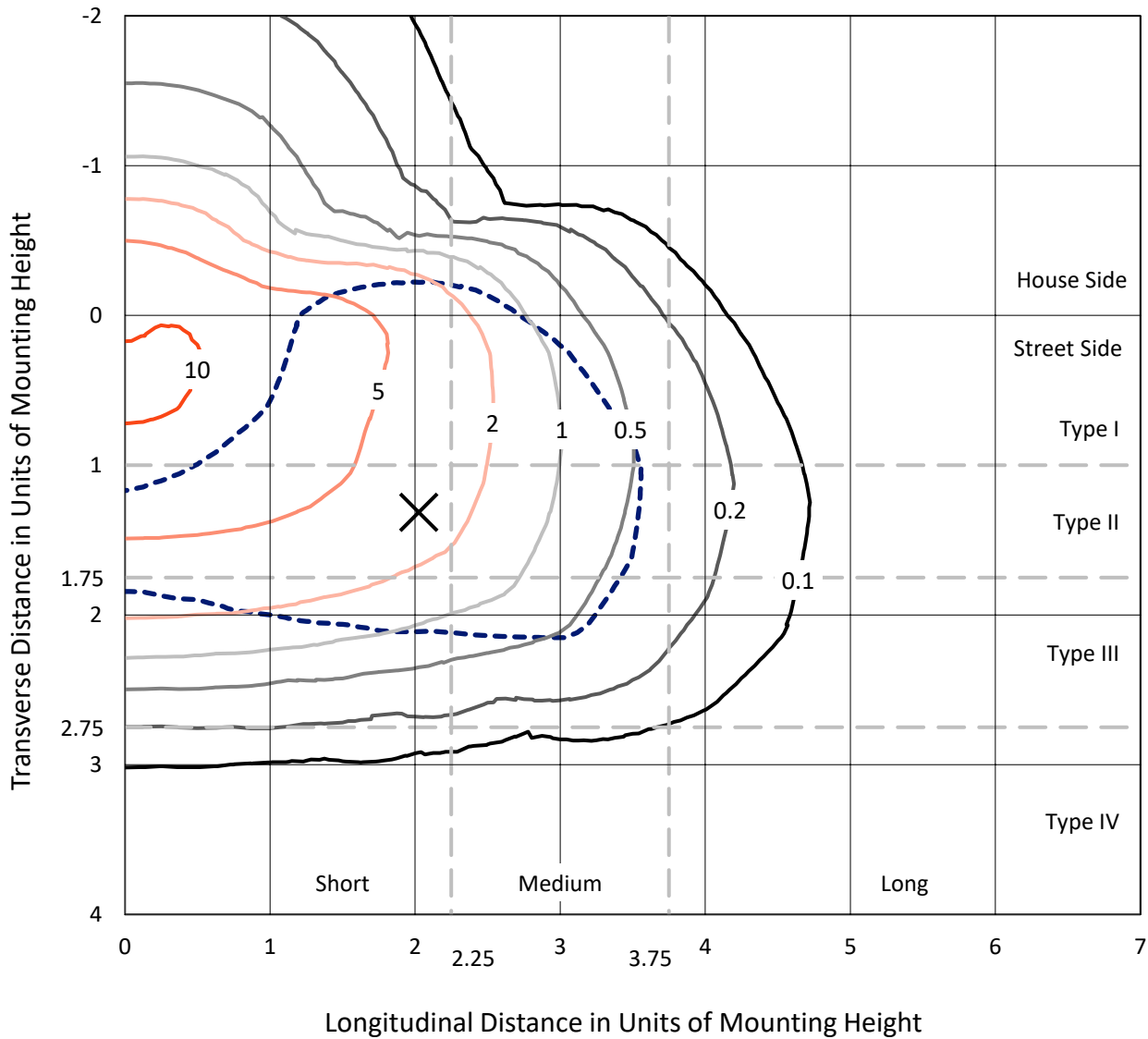
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

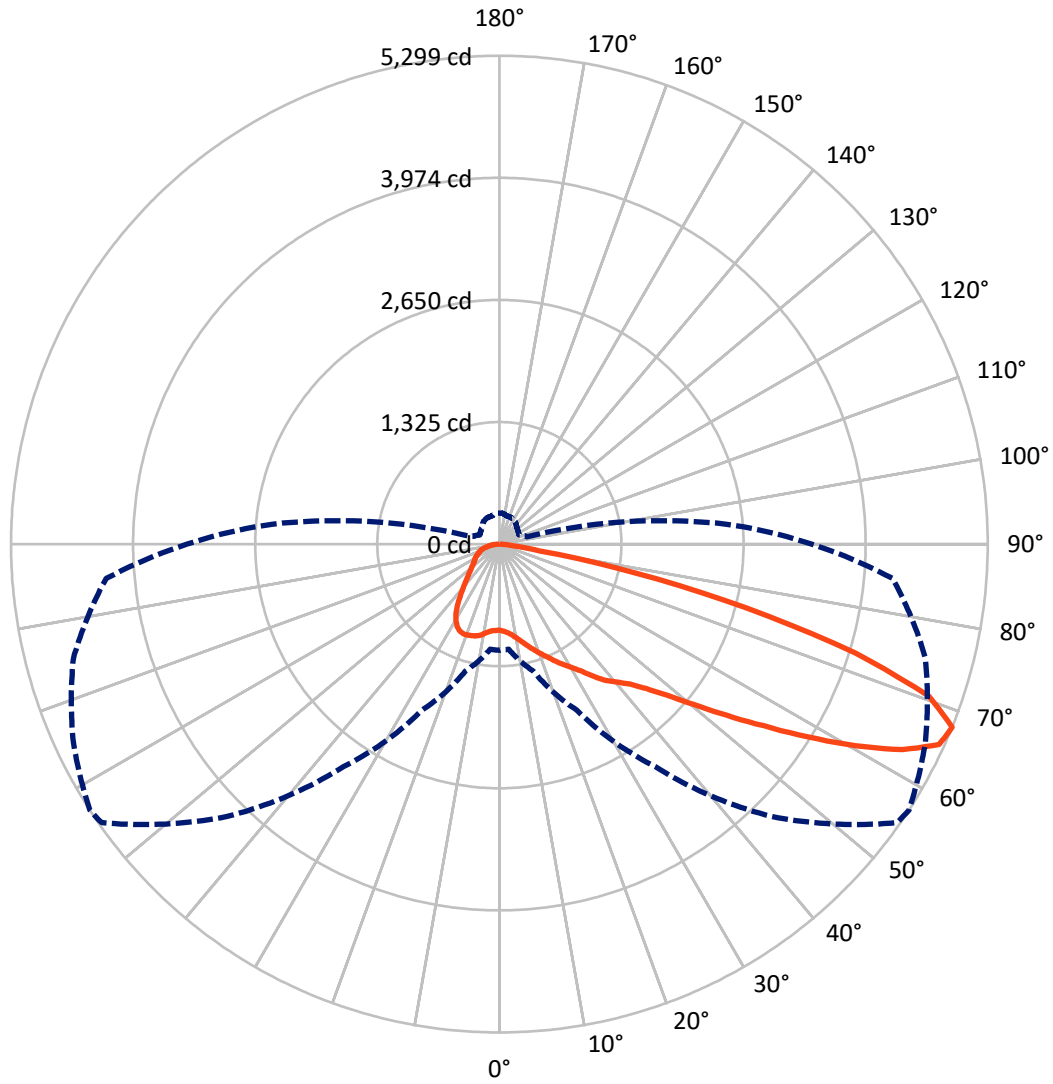
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1705.4	0.0	1705.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	6051.1	0.0	6051.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	7756.5	0.0	7756.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	1.2
10°-20°	306.9	4.0
20°-30°	547.1	7.1
30°-40°	795.4	10.3
40°-50°	1151.2	14.8
50°-60°	1801.6	23.2
60°-70°	2101.6	27.1
70°-80°	877.3	11.3
80°-90°	82.8	1.1
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°	7756.5	100.0
0°-180°	7756.5	100.0

Coefficient of Utilization



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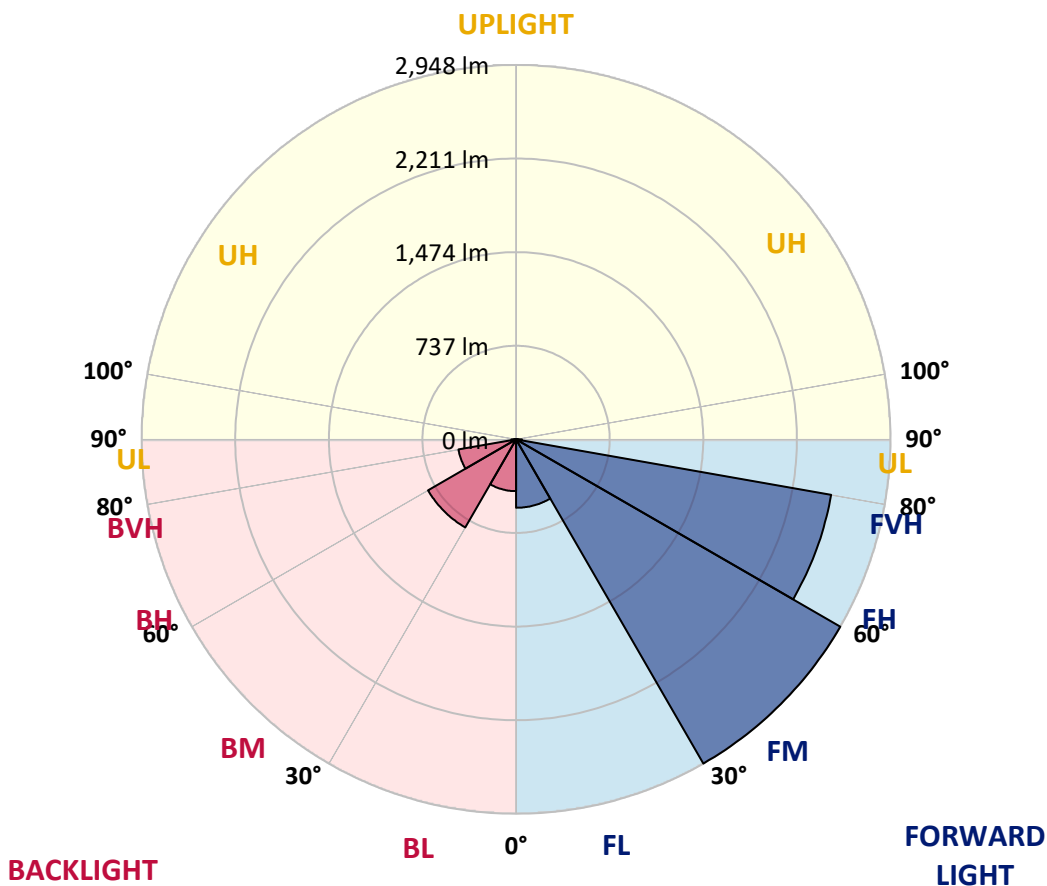
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	538.8	6.9			
FM (30°-60°)	2947.6	38.0			
FH (60°-80°)	2518.7	32.5			G2/5000
FVH (80°-90°)	46.1	0.6			G1/100
BL (0°-30°)	407.9	5.3	B1/500		
BM (30°-60°)	800.5	10.3	B1/1000		
BH (60°-80°)	460.3	5.9	B1/500		G1/500
BVH (80°-90°)	36.7	0.5			G1/100
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°	57°	65°	75°	85°
0°	934.6	934.6	934.6	934.6	934.6	934.6	934.6	934.6	934.6	934.6	934.6
2.5°	947.9	946.8	946.3	949.6	948.5	947.9	947.9	947.4	946.3	941.8	935.7
5°	974.1	971.8	969.6	972.4	970.2	967.9	967.4	966.3	962.4	955.7	946.3
7.5°	1001.3	999.1	999.6	1001.3	999.6	998.5	996.8	995.7	989.6	979.1	966.3
10°	1039.6	1039.6	1040.7	1042.4	1043.0	1041.3	1038.0	1036.3	1029.1	1015.7	997.9
12.5°	1095.2	1094.1	1094.1	1093.0	1094.6	1093.0	1089.6	1086.9	1078.0	1060.7	1035.2
15°	1168.5	1164.1	1160.2	1153.0	1150.8	1144.6	1145.8	1144.1	1135.8	1112.4	1080.2
17.5°	1246.9	1246.3	1240.2	1225.8	1211.3	1201.3	1203.5	1203.0	1198.5	1166.9	1125.7
20°	1315.8	1318.6	1313.0	1301.9	1282.4	1263.6	1262.4	1265.2	1259.7	1228.0	1170.8
22.5°	1393.0	1390.8	1385.2	1370.8	1356.3	1336.3	1329.7	1327.5	1325.2	1289.1	1216.9
25°	1466.4	1473.0	1465.8	1452.5	1430.2	1408.6	1403.0	1405.2	1399.1	1351.3	1266.3
27.5°	1559.2	1561.9	1557.5	1539.2	1520.3	1489.7	1479.1	1479.1	1476.9	1409.7	1305.2
30°	1658.1	1665.8	1658.1	1643.1	1623.6	1579.7	1556.9	1554.7	1548.0	1469.7	1350.8
32.5°	1757.5	1763.1	1757.5	1743.1	1720.9	1682.5	1649.7	1644.7	1635.8	1535.3	1397.5
35°	1845.9	1850.9	1849.8	1853.1	1834.8	1786.4	1766.4	1764.2	1740.9	1620.8	1460.8
37.5°	1942.6	1948.7	1940.3	1947.0	1939.8	1894.2	1888.1	1877.0	1843.7	1701.4	1527.5
40°	2052.6	2058.1	2044.8	2047.6	2039.2	2013.7	1982.6	1967.6	1918.1	1788.6	1632.5
42.5°	2170.4	2183.2	2189.3	2184.3	2164.8	2150.4	2095.9	2077.0	2035.9	1945.9	1805.3
45°	2341.0	2359.9	2368.7	2356.0	2347.6	2327.1	2260.4	2237.6	2215.9	2167.6	2046.5
47.5°	2524.9	2542.1	2570.4	2576.0	2582.7	2567.1	2473.2	2451.0	2454.9	2449.3	2343.2
50°	2671.6	2686.0	2749.9	2818.3	2874.9	2879.4	2759.4	2735.5	2756.6	2774.4	2700.5
52.5°	2778.3	2791.0	2875.5	3016.6	3145.0	3240.0	3110.5	3083.3	3100.5	3140.5	3106.6
55°	2864.9	2882.7	2971.1	3187.8	3447.3	3597.3	3514.5	3480.0	3472.8	3522.3	3541.7
57.5°	2910.5	2916.1	3040.0	3321.7	3669.0	3947.9	3984.0	3945.1	3876.2	3903.5	4004.6
60°	2806.6	2816.0	2985.5	3356.1	3844.0	4295.7	4476.9	4444.7	4298.0	4313.0	4424.7
62.5°	2519.3	2532.7	2736.6	3192.2	3858.4	4528.0	4932.0	4911.4	4714.7	4633.6	4666.9
65°	2020.9	2025.3	2236.5	2786.6	3571.2	4556.9	5249.2	5244.2	5005.9	4815.8	4673.0
67.5°	1152.4	1144.6	1426.9	1987.6	2947.2	4181.3	5269.8	5299.2	5100.3	4785.8	4284.1
70°	499.5	500.6	630.7	980.7	1907.6	3379.5	4894.7	4945.3	4826.9	4286.3	3408.4
72.5°	231.2	234.5	290.6	424.5	814.6	2096.5	3991.2	4036.8	3935.1	3430.6	2479.9
75°	163.4	166.1	193.9	243.4	374.5	816.8	2669.9	2765.5	2814.9	2566.0	1634.2
77.5°	123.9	127.8	141.7	168.9	231.2	289.5	1277.4	1505.3	1793.1	1596.4	841.8
80°	78.9	78.9	93.9	112.8	141.1	150.6	369.0	437.3	877.4	657.9	330.6
82.5°	53.3	55.0	63.9	71.7	81.1	85.6	158.4	168.9	253.4	223.9	136.1
85°	28.3	29.4	33.3	32.8	38.9	33.9	66.7	66.1	92.8	101.7	51.7
87.5°	0.0	0.0	0.6	0.6	1.1	1.7	7.2	7.8	19.4	31.1	17.2
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°	934.6	934.6	934.6	934.6	934.6	934.6	934.6	934.6	934.6	934.6	934.6
2.5°	939.1	932.4	935.7	934.6	937.9	937.9	931.8	930.2	930.7	924.0	921.8
5°	947.4	939.6	941.3	939.1	942.4	945.2	942.4	942.4	945.7	940.7	937.9
7.5°	966.3	957.4	957.4	954.6	958.5	960.7	958.5	961.8	967.9	962.9	960.2
10°	996.3	985.7	986.3	982.9	984.6	983.5	974.6	971.8	973.5	969.1	966.8
12.5°	1035.2	1020.7	1020.7	1014.1	1010.2	998.5	980.2	973.5	974.6	970.7	969.1
15°	1072.4	1059.1	1056.3	1043.0	1025.2	1003.5	986.8	982.4	983.5	979.6	976.8
17.5°	1116.3	1099.1	1089.1	1064.6	1031.8	1009.6	992.9	982.4	973.5	964.6	962.4
20°	1156.9	1135.2	1116.9	1079.1	1039.1	1008.5	977.4	951.3	929.6	917.9	915.2
22.5°	1198.5	1170.8	1138.5	1089.1	1038.5	988.5	931.3	891.8	859.6	842.4	845.7
25°	1238.0	1203.0	1159.1	1098.5	1020.7	944.1	866.3	807.4	770.7	757.4	753.5
27.5°	1270.8	1227.4	1178.0	1094.1	984.1	880.2	777.4	711.8	676.2	661.2	657.3
30°	1307.4	1258.6	1205.2	1073.5	926.3	790.7	676.8	623.4	597.9	583.4	584.0
32.5°	1349.7	1298.6	1243.5	1034.1	852.4	694.0	594.0	557.3	536.8	522.3	520.1
35°	1406.4	1355.8	1269.1	974.6	758.5	605.1	537.3	507.3	481.7	462.9	459.0
37.5°	1476.4	1441.9	1271.9	895.2	657.9	544.0	496.8	464.5	433.4	408.4	405.6
40°	1596.4	1556.9	1249.1	795.7	572.3	504.5	462.9	425.6	389.5	361.7	357.8
42.5°	1767.5	1686.4	1200.2	683.5	507.9	473.4	430.6	383.4	346.7	327.3	324.5
45°	1985.3	1830.9	1126.9	577.9	460.1	442.9	396.7	347.3	327.8	313.9	311.2
47.5°	2252.1	1999.2	1042.4	495.6	422.9	415.1	362.3	335.1	317.8	306.2	303.4
50°	2571.0	2213.7	972.9	431.2	389.5	382.8	351.2	327.8	313.9	304.5	302.3
52.5°	2935.0	2452.1	939.1	385.1	360.6	353.9	347.3	326.2	314.5	307.3	304.5
55°	3312.8	2703.2	907.4	349.5	336.2	340.1	347.8	331.7	322.8	313.4	310.6
57.5°	3677.9	2938.8	829.6	321.7	318.4	333.4	350.6	337.3	326.7	317.3	313.9
60°	3929.6	3067.8	697.9	299.5	305.1	325.1	343.4	328.9	315.6	311.7	310.1
62.5°	3997.4	3052.2	541.8	276.7	288.9	306.7	324.5	315.1	301.2	307.3	307.8
65°	3839.0	2885.5	406.7	254.5	267.8	282.8	305.1	301.2	296.2	312.8	313.4
67.5°	3390.6	2476.0	310.1	235.0	246.2	264.5	298.9	315.1	316.2	337.3	335.1
70°	2565.4	1849.8	242.8	216.7	229.5	264.5	318.4	325.6	312.3	331.7	327.3
72.5°	1773.6	1220.8	206.7	200.6	208.9	252.3	317.8	317.8	303.4	303.4	295.1
75°	1101.9	717.9	180.0	180.0	180.0	220.6	308.9	292.8	267.3	255.6	248.9
77.5°	544.0	348.9	151.1	156.7	150.6	184.5	252.3	239.5	223.9	211.7	207.3
80°	232.3	174.5	122.2	128.4	121.1	138.9	200.0	197.3	182.3	166.1	161.1
82.5°	106.7	90.0	97.8	100.6	88.3	104.5	146.1	146.1	137.8	115.6	107.2
85°	45.6	47.8	67.8	67.8	55.6	58.9	78.3	74.5	66.7	54.5	50.0
87.5°	15.6	23.3	34.5	30.0	11.7	5.0	2.8	1.1	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)