

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: P630363

Luminaire Tested: GWS-SA1D-740-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-740-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6164.4 lumens
Efficiency: N/A
Efficacy: 139.2 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

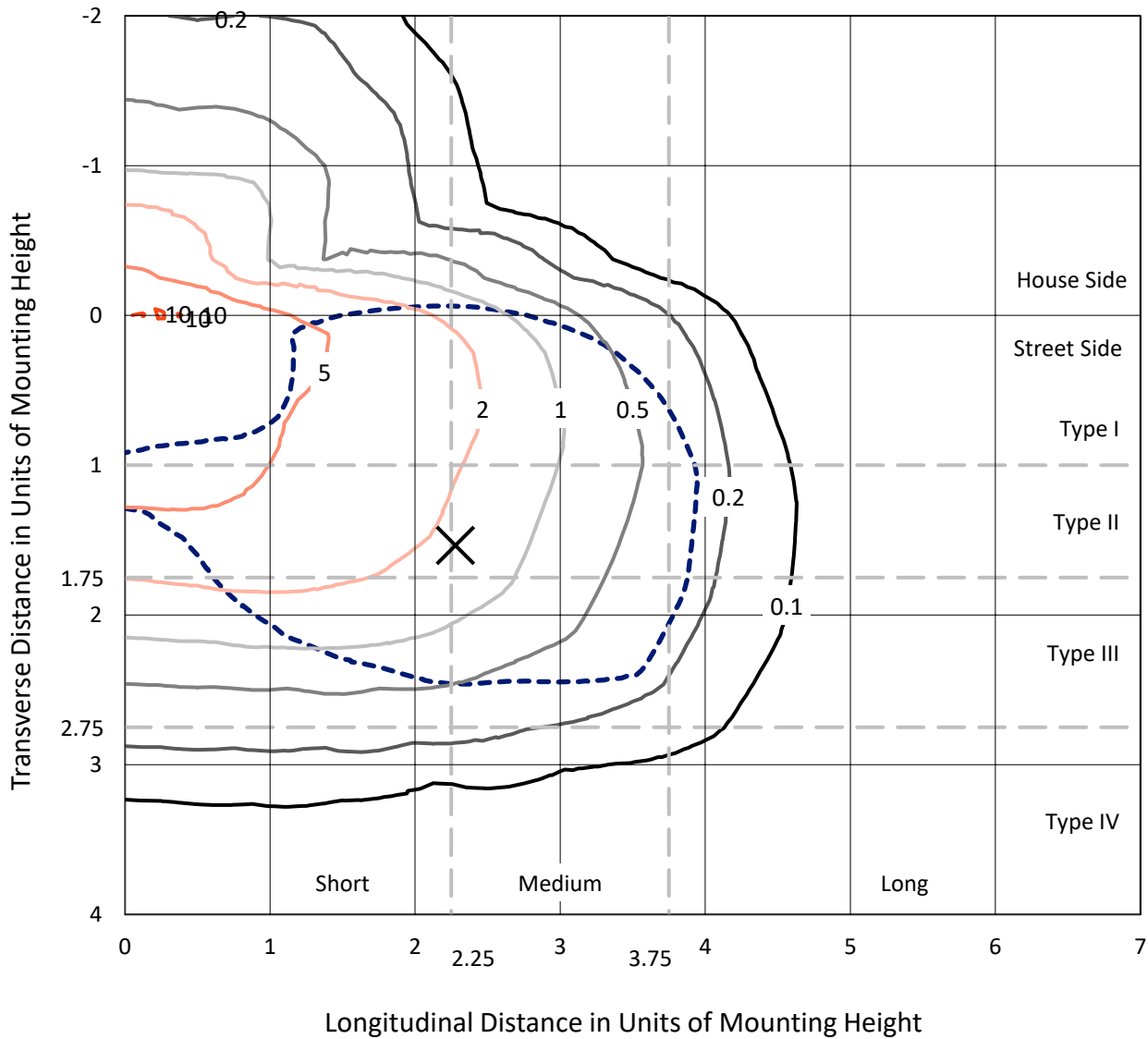
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

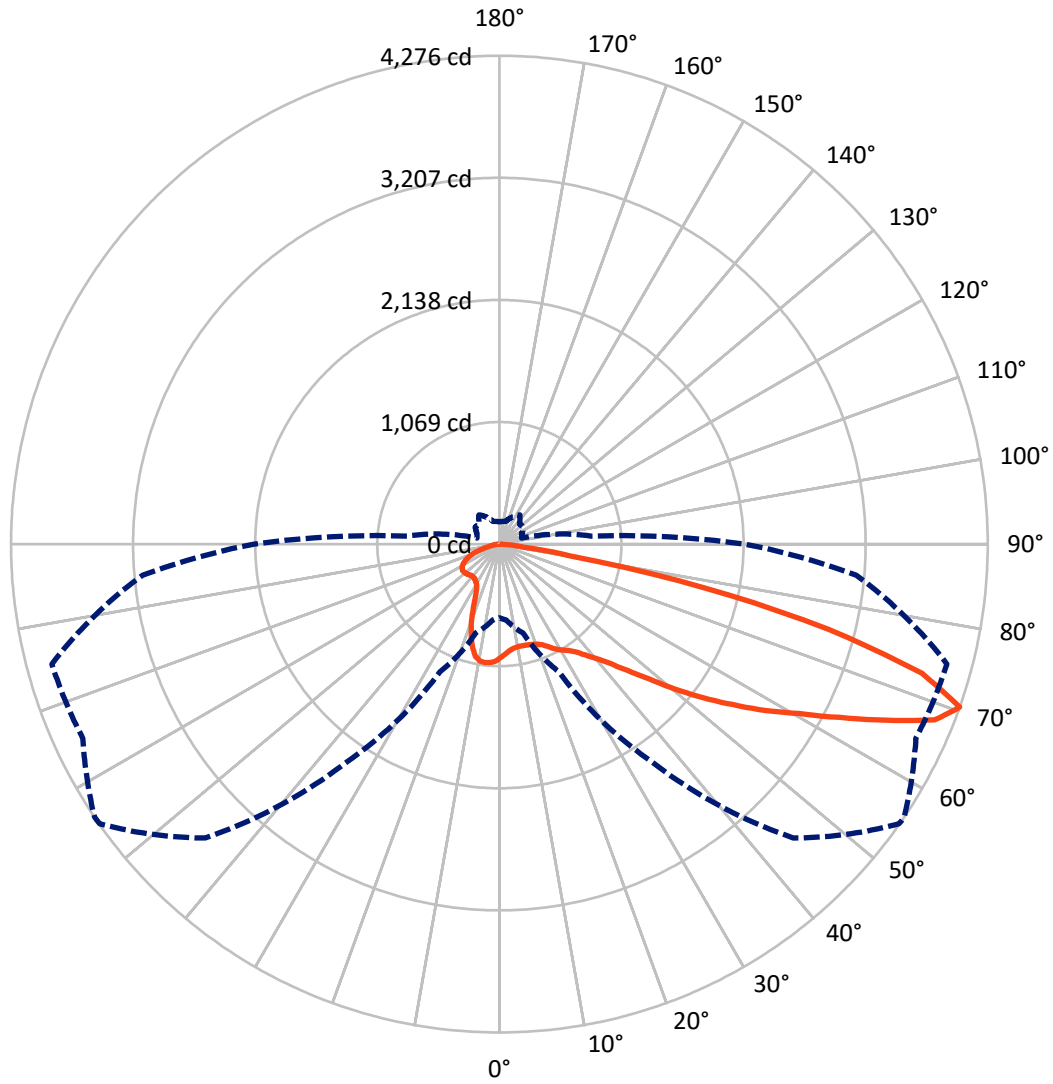
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 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	1185.1	0.0	1185.1
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	4979.3	0.0	4979.3
	% Fixture	80.8	0.0	80.8
Total	Lumens	6164.4	0.0	6164.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.1	1.5
10°-20°	249.5	4.0
20°-30°	412.5	6.7
30°-40°	616.7	10.0
40°-50°	917.7	14.9
50°-60°	1304.8	21.2
60°-70°	1616.0	26.2
70°-80°	892.3	14.5
80°-90°	62.8	1.0
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°	6164.4	100.0
0°-180°	6164.4	100.0

Coefficient of Utilization



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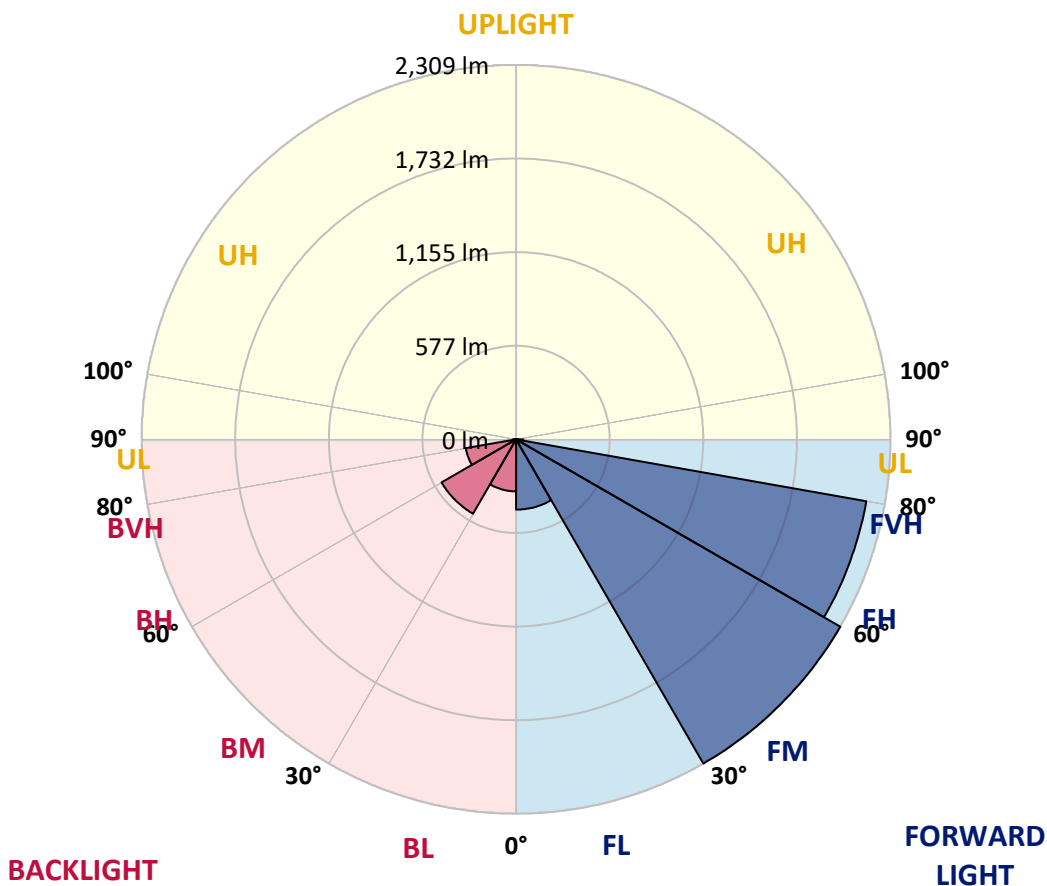
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	433.2	7.0			
FM (30°-60°)	2309.1	37.5			
FH (60°-80°)	2193.3	35.6			G2/5000
FVH (80°-90°)	43.7	0.7			G1/100
BL (0°-30°)	320.8	5.2	B1/500		
BM (30°-60°)	530.1	8.6	B1/1000		
BH (60°-80°)	315.0	5.1	B1/500		G1/500
BVH (80°-90°)	19.2	0.3			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0
2.5°	931.1	925.9	932.0	935.0	942.9	954.2	964.2	964.6	969.8	982.4	994.6
5°	889.0	886.4	888.1	897.2	905.5	919.8	935.0	936.3	951.1	975.9	1000.2
7.5°	856.4	852.9	859.4	871.1	881.6	897.7	917.7	919.4	940.3	977.6	1015.0
10°	809.4	806.8	819.0	834.6	857.2	883.7	910.3	912.4	939.8	988.9	1041.1
12.5°	789.0	789.0	794.2	809.0	833.8	869.0	909.0	912.4	946.8	1006.3	1074.6
15°	820.7	822.9	818.5	817.7	827.7	861.1	910.7	915.9	959.8	1024.2	1107.6
17.5°	884.6	886.8	875.5	857.7	847.7	868.5	917.2	922.9	973.7	1043.7	1143.3
20°	974.2	976.8	952.0	924.6	890.3	889.8	929.8	935.0	991.6	1065.0	1181.1
22.5°	1078.9	1080.7	1049.4	1005.9	953.3	929.4	951.6	956.8	1014.6	1094.6	1221.9
25°	1200.2	1205.4	1167.6	1104.6	1033.3	983.7	987.6	993.7	1055.9	1134.1	1270.2
27.5°	1329.7	1336.3	1292.8	1223.2	1125.0	1043.7	1034.2	1039.4	1099.8	1158.5	1295.8
30°	1462.3	1467.1	1423.6	1344.1	1223.7	1111.5	1073.3	1076.3	1118.9	1170.2	1321.9
32.5°	1609.7	1605.8	1564.1	1472.3	1337.6	1192.8	1109.8	1108.9	1140.2	1193.7	1359.3
35°	1747.9	1753.6	1709.2	1608.0	1462.8	1293.2	1164.6	1161.1	1185.4	1231.9	1411.9
37.5°	1915.3	1913.6	1860.5	1751.0	1588.4	1389.3	1241.5	1235.4	1244.1	1291.5	1485.4
40°	2034.8	2047.0	2012.7	1910.5	1735.3	1507.5	1331.5	1318.0	1320.2	1365.0	1583.6
42.5°	2132.6	2143.9	2147.4	2082.2	1903.6	1653.6	1443.6	1430.2	1431.5	1494.9	1704.5
45°	2207.8	2223.1	2272.2	2253.1	2093.1	1822.3	1595.4	1581.4	1582.3	1652.7	1850.5
47.5°	2238.7	2255.2	2354.8	2400.4	2294.3	2024.0	1784.0	1763.6	1766.6	1844.4	2017.4
50°	2228.7	2250.9	2385.6	2513.9	2463.0	2229.1	2009.6	1995.3	1983.5	2096.6	2198.7
52.5°	2142.6	2167.0	2382.6	2586.0	2600.8	2423.0	2242.6	2234.4	2231.8	2364.3	2401.3
55°	1889.2	1930.1	2277.8	2605.2	2708.6	2605.6	2495.2	2481.3	2494.7	2651.2	2606.0
57.5°	1748.8	1779.2	2072.7	2583.9	2796.9	2779.5	2747.3	2748.6	2763.8	2962.9	2854.2
60°	1668.8	1704.5	1958.8	2525.6	2881.6	2990.7	3011.2	3011.2	3038.6	3298.9	3106.4
62.5°	1562.7	1598.8	1852.3	2413.5	2959.9	3239.4	3342.8	3341.5	3352.4	3659.3	3352.8
65°	1347.6	1381.0	1638.4	2236.5	2998.1	3513.2	3719.7	3715.8	3694.1	3980.1	3515.9
67.5°	978.5	1010.2	1255.0	1900.1	2860.3	3734.1	4107.9	4109.7	3979.7	4182.3	3524.5
70°	645.1	666.8	806.8	1234.1	2326.1	3638.9	4270.5	4275.7	4023.6	4056.2	3136.8
72.5°	402.5	417.7	503.8	735.9	1374.5	2880.3	3853.2	3867.5	3619.7	3564.5	2577.3
75°	267.3	277.8	335.2	429.0	636.0	1558.8	2929.0	2975.1	2901.2	2794.3	1795.7
77.5°	160.8	169.5	213.4	272.6	281.7	609.0	1709.7	1828.8	1839.2	1458.9	752.0
80°	73.5	83.5	117.8	155.6	150.0	212.1	602.9	630.8	744.2	463.4	237.3
82.5°	43.5	47.8	78.2	77.4	63.9	103.0	216.9	222.6	189.1	169.5	101.3
85°	17.4	20.4	33.0	29.1	23.5	33.5	81.7	85.6	82.2	73.9	37.4
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	7.4	7.8	11.3	20.4	11.3
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°	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0
2.5°	1002.4	999.8	1012.9	1022.8	1027.2	1031.5	1027.6	1026.3	1026.3	1017.6	1013.3
5°	1013.3	1014.6	1032.4	1040.7	1040.7	1037.2	1026.8	1019.4	1016.8	1005.5	1002.4
7.5°	1033.7	1039.4	1055.9	1055.5	1043.3	1024.2	998.1	978.1	959.8	952.0	947.2
10°	1067.2	1074.6	1085.9	1067.6	1033.7	983.3	928.1	884.6	858.5	837.7	837.7
12.5°	1105.4	1112.4	1110.2	1068.1	998.1	903.7	824.2	774.2	737.7	718.6	718.6
15°	1143.7	1149.3	1125.9	1048.1	923.7	798.1	711.2	651.2	619.4	601.6	601.6
17.5°	1182.4	1182.0	1132.4	1002.0	826.8	681.2	596.0	549.5	538.6	535.6	535.1
20°	1219.8	1209.8	1124.1	925.0	714.2	563.4	509.5	512.5	528.6	535.6	536.4
22.5°	1261.9	1237.2	1099.8	826.8	586.4	481.6	485.1	510.3	533.8	544.2	545.5
25°	1305.0	1260.6	1058.9	711.6	479.5	451.7	478.6	506.9	533.4	546.9	548.2
27.5°	1322.4	1260.6	989.4	578.2	422.5	439.0	468.6	496.0	523.8	539.5	542.5
30°	1336.7	1249.8	892.0	457.7	399.1	426.9	452.5	477.7	505.1	524.2	527.7
32.5°	1356.7	1240.2	774.2	384.7	388.2	415.1	433.0	454.3	479.0	491.6	490.3
35°	1380.2	1225.4	632.1	349.9	379.1	405.1	417.7	430.4	419.1	418.6	419.9
37.5°	1413.6	1212.4	508.2	334.3	373.0	398.2	408.6	381.7	366.0	359.5	356.9
40°	1461.9	1207.2	400.8	325.2	372.1	397.8	390.4	348.6	327.3	304.7	304.3
42.5°	1522.8	1203.3	331.2	320.8	375.1	407.7	365.1	326.9	283.0	273.0	272.1
45°	1601.0	1197.2	296.5	319.9	382.5	415.6	362.5	296.9	266.9	262.6	262.6
47.5°	1695.3	1187.6	280.8	319.9	390.8	412.1	354.7	290.4	259.5	264.3	267.3
50°	1803.6	1175.4	272.6	319.1	399.1	412.1	338.2	289.1	257.8	282.6	292.6
52.5°	1919.2	1161.5	266.9	315.6	404.7	412.5	339.1	293.4	259.5	286.9	295.2
55°	2047.0	1159.3	259.1	308.2	406.4	401.2	341.2	303.0	262.1	260.0	260.4
57.5°	2208.3	1185.4	253.4	297.3	399.5	378.2	345.6	309.9	259.1	259.5	262.6
60°	2376.9	1234.5	258.2	286.9	385.1	356.5	348.6	306.5	244.3	237.3	238.2
62.5°	2520.4	1271.9	262.1	282.1	364.3	337.3	345.6	298.6	236.0	234.3	238.2
65°	2580.4	1241.1	252.6	272.1	333.8	313.9	339.1	288.6	229.1	222.6	223.0
67.5°	2513.9	1096.3	233.9	250.0	299.5	283.9	328.6	275.6	219.5	211.7	210.0
70°	2147.4	805.5	201.7	214.7	257.8	248.6	312.5	258.6	204.3	198.7	194.7
72.5°	1730.5	570.3	167.4	170.8	202.1	209.5	284.7	237.3	186.9	170.8	165.2
75°	1204.6	358.2	139.5	136.1	146.1	160.0	222.1	196.9	161.3	144.3	139.1
77.5°	518.2	183.9	109.1	107.4	97.4	110.8	170.4	164.3	135.2	115.6	112.6
80°	173.4	106.5	78.7	75.6	64.8	77.8	120.0	131.3	106.1	85.6	80.4
82.5°	86.9	61.7	50.0	45.2	43.5	49.1	70.9	81.7	73.5	59.1	50.0
85°	42.6	35.2	27.4	27.0	22.6	21.3	29.6	34.8	33.0	24.3	23.0
87.5°	15.6	13.9	8.7	7.0	4.3	3.0	1.7	1.7	1.3	1.3	1.3
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)