

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: 1,708

Luminaire Tested: **JW-WL-1T8-1C-UNV-SU-WA-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 1,708
Test Lab: TUV SUD America
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: JW-WL-1T8-1C-UNV-SU-WA-4
Description: Jaylum Wall, FROSTED Lens, Fluorescent
Light Source: -
TEST 29, F32T8,
Ballast/Driver: -

Summary

Lumens per Lamp: 3100 (1 lamp)
Luminaire Lumens: 2251.0 lumens
Efficiency: 72.6%
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.22 / 1.34
Luminous Opening: Rectangular (W 3.62' x L: 0.09' x H: 0')
CIE Type: Semi-Indirect

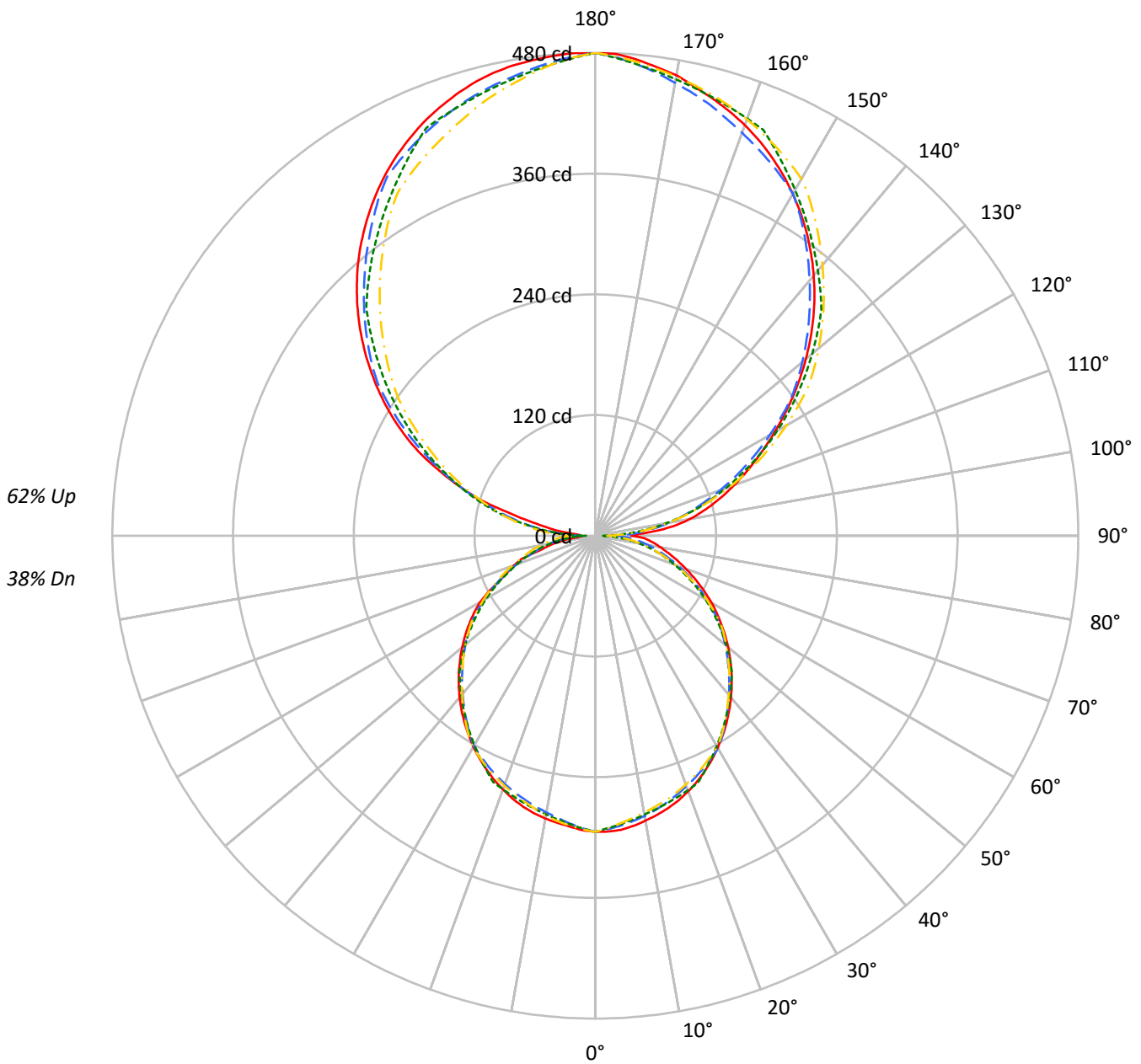
Input Watts (W): 32.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270° - · 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	76	76	76	76	69	69	69	69	56	56	56	44	44	44	33	33	33	28
1	69	65	62	60	62	59	57	55	48	46	45	38	37	36	28	28	27	22
2	62	57	52	49	56	52	48	45	42	39	37	33	31	29	25	23	22	18
3	57	50	44	40	51	45	41	37	37	33	31	29	27	25	22	20	19	15
4	52	44	38	34	47	40	35	31	33	29	26	26	23	21	19	18	16	13
5	47	39	33	29	43	36	30	27	29	25	22	23	20	18	17	15	14	11
6	44	35	29	25	39	32	27	23	26	22	19	21	18	16	16	14	12	10
7	40	31	26	22	36	29	24	20	24	20	17	19	16	14	14	12	11	9
8	37	28	23	19	34	26	21	18	21	18	15	17	14	12	13	11	10	8
9	35	26	20	17	31	24	19	16	20	16	13	16	13	11	12	10	9	7
10	32	24	18	15	29	22	17	14	18	14	12	14	12	10	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9300	9300	9300	9300
5°	9304	9126	9202	9129
10°	9222	9029	9158	9026
15°	9163	9003	9111	8987
20°	9086	9046	9026	9019
25°	8989	8982	8930	8951
30°	8878	8802	8838	8765
35°	8765	8669	8742	8630
40°	8651	8590	8651	8548
45°	8550	8573	8568	8524
50°	8463	8354	8492	8300
55°	8410	8156	8432	8096
60°	8428	7973	8352	7904
65°	8506	7803	7781	7714
70°	8820	7731	7924	7666
75°	9703	7836	7018	7884
80°	11915	8132	7131	8386
85°	19427	9134	6306	10003



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	27.4	1.2	0.9
10°-20°	77.5	3.4	2.5
20°-30°	117.3	5.2	3.8
30°-40°	140.2	6.2	4.5
40°-50°	146.1	6.5	4.7
50°-60°	133.5	5.9	4.3
60°-70°	105.1	4.7	3.4
70°-80°	70.8	3.1	2.3
80°-90°	36.3	1.6	1.2
90°-100°	48.9	2.2	1.6
100°-110°	111.0	4.9	3.6
110°-120°	172.7	7.7	5.6
120°-130°	221.6	9.8	7.1
130°-140°	243.5	10.8	7.9
140°-150°	233.1	10.4	7.5
150°-160°	193.8	8.6	6.3
160°-170°	127.3	5.7	4.1
170°-180°	44.8	2.0	1.4
0°-30°	222.1	9.9	7.2
0°-40°	362.4	16.1	11.7
0°-60°	641.9	28.5	20.7
0°-90°	854.1	37.9	27.6
90°-120°	332.6	14.8	10.7
90°-150°	1030.9	45.8	33.3
90°-180°	1397.0	62.1	45.1
0°-180°	2251.0	100.0	72.6

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	294	294	294	294	294	
5°	293	288	290	288	293	28
15°	280	275	279	275	280	79
25°	258	258	256	257	258	119
35°	227	225	227	224	227	142
45°	191	192	192	191	191	148
55°	153	148	153	147	153	137
65°	114	104	104	103	114	113
75°	80	64	58	65	80	84
85°	54	25	17	28	54	46
90°	36	6	15	9	36	22
95°	64	39	20	43	64	59
105°	120	105	90	110	120	127
115°	175	173	191	178	175	174
125°	239	245	268	250	239	214
135°	306	318	335	322	306	236
145°	367	370	392	374	367	229
155°	415	423	436	426	415	191
165°	450	451	466	453	450	127
175°	475	471	479	471	475	45
180°	480	480	480	480	480	



TEST NUMBER: 1,708

CATALOG NUMBER: JW-WL-1T8-1C-UNV-SU-WA-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4
2.5°	294.4	292.9	291.9	291.2	290.9	290.5	290.7	291.3	293.0	291.8	291.1
5°	293.4	290.7	289.2	288.3	287.8	287.0	286.9	287.8	290.2	288.1	287.2
7.5°	291.0	288.2	286.1	285.3	284.6	283.4	283.0	284.8	287.9	284.8	283.1
10°	287.5	284.5	282.9	282.0	281.5	279.6	279.5	281.5	285.5	281.4	279.3
12.5°	284.2	280.0	278.9	278.6	278.4	275.8	275.8	277.8	282.4	277.6	275.5
15°	280.2	275.2	274.5	275.2	275.3	272.2	272.0	273.4	278.6	273.3	271.5
17.5°	275.6	270.2	269.7	271.8	272.2	268.7	267.9	268.2	273.9	268.2	267.3
20°	270.3	264.6	264.9	268.5	269.1	265.2	263.1	262.7	268.5	262.6	262.6
22.5°	264.4	258.7	259.9	264.6	266.0	261.6	258.1	256.7	262.6	256.6	257.7
25°	257.9	252.3	254.8	259.2	257.7	256.6	253.1	250.4	256.2	250.2	252.5
27.5°	250.9	245.4	249.4	250.6	249.5	248.4	247.7	243.7	249.5	243.4	247.0
30°	243.4	238.3	243.9	241.8	241.3	240.1	242.4	236.9	242.3	236.4	241.5
32.5°	235.6	230.7	235.1	233.0	233.0	231.8	234.0	229.6	234.6	229.1	232.9
35°	227.3	222.8	225.6	224.4	224.8	223.5	224.6	222.0	226.7	221.4	223.5
37.5°	218.7	214.8	216.1	215.7	216.6	215.0	215.4	214.3	218.4	213.7	214.3
40°	209.8	206.6	206.5	207.1	208.3	206.5	206.2	206.4	209.8	205.7	205.2
42.5°	200.7	198.4	196.9	198.5	200.1	198.2	197.0	198.4	200.9	197.5	196.0
45°	191.4	190.2	187.3	189.9	191.9	189.8	187.9	190.2	191.8	189.3	186.8
47.5°	181.9	181.6	177.8	181.1	180.9	181.3	178.8	181.8	182.4	180.9	177.6
50°	172.2	170.9	168.5	170.0	170.0	170.5	169.8	171.4	172.8	170.6	168.6
52.5°	162.5	160.2	159.3	158.9	159.0	159.8	161.0	160.5	163.1	159.8	159.6
55°	152.7	149.7	150.1	147.9	148.1	149.0	151.7	148.4	153.1	149.3	150.5
57.5°	143.1	139.4	139.2	136.9	137.2	138.3	140.0	134.9	143.0	138.8	139.3
60°	133.4	129.2	128.5	126.0	126.2	127.7	128.6	121.0	132.2	127.9	128.0
62.5°	123.5	119.4	118.0	115.2	115.3	117.1	117.5	107.3	118.5	116.5	116.7
65°	113.8	110.0	107.7	104.4	104.4	106.6	106.6	94.2	104.1	104.1	105.3
67.5°	104.4	100.9	97.6	93.7	93.4	96.1	96.0	82.2	94.1	92.9	94.1
70°	95.5	92.0	87.8	83.8	83.7	85.9	85.4	71.0	85.8	82.9	82.9
72.5°	87.3	83.2	78.1	75.1	73.9	76.3	75.0	58.5	76.9	73.6	71.8
75°	79.5	75.0	69.4	66.5	64.2	66.7	64.9	48.8	57.5	63.8	62.4
77.5°	72.1	67.4	61.3	57.8	54.4	57.2	55.4	41.0	48.3	53.7	54.3
80°	65.5	60.4	53.3	49.2	44.7	47.6	46.2	34.2	39.2	43.7	46.2
82.5°	59.9	53.0	45.4	40.6	34.9	38.1	37.2	28.1	30.0	35.5	38.2
85°	53.6	45.0	37.4	32.1	25.2	28.5	28.4	22.4	17.4	28.8	30.2
87.5°	47.4	37.0	29.5	23.5	15.4	19.0	19.6	17.0	14.4	22.6	22.2
90°	35.8	28.9	21.6	14.9	5.7	9.5	11.0	11.7	15.0	16.6	14.2
92.5°	44.2	43.2	34.8	29.2	22.2	25.9	26.4	21.3	15.5	23.0	28.8
95°	64.3	57.4	48.0	43.5	38.7	42.4	41.9	31.2	19.8	29.5	43.5
97.5°	81.4	71.8	61.3	57.8	55.3	58.8	57.6	41.7	38.2	36.5	58.4
100°	95.2	85.4	74.6	72.1	71.8	75.2	73.4	56.1	49.5	45.6	73.7
102.5°	107.8	98.2	87.9	86.5	88.3	91.7	89.5	76.0	66.8	58.6	89.3
105°	120.5	111.4	101.3	101.0	104.9	108.2	105.9	97.3	90.0	74.1	105.5
107.5°	133.5	125.2	115.7	115.5	121.4	124.7	123.6	119.8	121.5	92.5	123.6
110°	146.6	139.6	131.8	130.1	137.9	141.2	142.4	143.2	144.0	114.0	143.4



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CATALOG NUMBER: JW-WL-1T8-1C-UNV-SU-WA-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	160.5	153.6	148.2	146.7	154.4	158.7	161.5	164.2	166.5	135.8	163.1
115°	174.7	167.7	165.0	164.6	172.6	176.9	180.7	183.6	190.7	159.7	182.9
117.5°	189.7	182.8	182.4	182.6	190.7	195.0	199.8	203.0	211.4	185.3	203.2
120°	205.6	199.2	200.2	200.6	208.8	213.2	219.2	221.6	230.9	210.1	223.8
122.5°	221.9	216.2	218.5	218.6	227.0	231.5	238.6	240.5	249.6	236.0	243.9
125°	239.0	233.9	237.2	236.8	245.1	249.8	258.3	259.3	267.7	260.2	264.0
127.5°	256.1	252.1	253.0	255.1	263.3	268.1	274.2	278.1	285.4	281.0	279.7
130°	273.0	270.6	268.6	273.4	281.4	286.5	289.7	297.1	302.4	300.3	294.9
132.5°	289.9	289.0	284.1	291.8	299.5	304.8	305.1	315.1	319.1	318.3	309.9
135°	306.5	303.8	299.9	306.1	317.7	319.0	320.7	329.5	335.0	332.6	325.1
137.5°	322.3	318.0	315.6	320.0	330.9	332.8	336.0	343.2	350.4	346.0	340.1
140°	337.7	332.0	331.4	334.0	344.1	346.4	351.2	356.5	365.2	359.1	355.2
142.5°	352.5	345.5	347.1	348.1	357.3	360.1	366.3	369.4	378.8	371.8	370.0
145°	366.6	358.6	362.8	362.2	370.5	373.8	381.4	381.7	392.0	383.9	384.8
147.5°	379.9	371.2	378.4	376.6	383.7	387.4	396.4	393.7	404.4	395.6	399.7
150°	392.5	383.4	392.7	391.0	396.9	400.8	409.8	404.9	416.0	406.7	413.0
152.5°	404.3	394.9	401.5	405.5	410.1	414.3	418.0	415.2	426.6	416.7	420.8
155°	415.2	405.8	410.0	419.4	423.3	427.4	426.0	425.2	436.2	426.6	428.5
157.5°	425.3	416.0	418.1	428.1	436.5	435.4	433.4	434.1	445.2	435.4	435.6
160°	434.4	425.4	426.3	434.3	441.4	440.7	440.5	442.5	452.9	443.6	442.4
162.5°	442.5	434.1	434.4	440.5	446.2	445.9	447.2	450.3	459.9	451.3	448.8
165°	450.0	442.5	443.0	446.8	451.1	451.2	453.1	457.2	466.2	458.0	454.4
167.5°	457.0	451.0	450.3	453.1	456.0	456.4	458.4	463.1	471.0	463.7	459.4
170°	464.9	459.0	457.1	459.2	460.8	461.6	463.3	467.8	474.6	468.3	464.1
172.5°	469.7	465.4	464.2	465.3	465.7	466.7	468.2	471.6	476.8	471.9	468.8
175°	475.1	472.0	470.7	470.6	470.6	471.4	472.9	475.3	478.8	475.5	473.2
177.5°	479.4	477.6	476.2	475.5	475.4	475.9	477.0	478.6	480.4	478.7	477.1
180°	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0



TEST NUMBER: 1,708

CATALOG NUMBER: JW-WL-1T8-1C-UNV-SU-WA-4

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	294.4	294.4	294.4	294.4	294.4	294.4
2.5°	290.8	291.2	291.4	292.1	293.1	294.4
5°	287.3	287.9	288.4	289.3	291.0	293.4
7.5°	283.5	284.6	285.2	286.2	287.9	291.0
10°	279.5	281.4	281.8	282.4	283.7	287.5
12.5°	275.5	278.1	278.4	277.9	279.5	284.2
15°	271.7	274.8	274.7	273.4	275.0	280.2
17.5°	268.0	271.6	271.0	269.1	269.9	275.6
20°	264.4	268.3	267.3	264.3	264.3	270.3
22.5°	260.7	265.1	263.2	259.3	258.4	264.4
25°	255.5	256.8	257.5	254.1	252.0	257.9
27.5°	247.2	248.6	248.9	248.7	245.1	250.9
30°	238.8	240.3	240.4	243.2	237.9	243.4
32.5°	230.4	232.1	231.9	234.6	230.4	235.6
35°	222.1	223.8	223.4	225.0	222.6	227.3
37.5°	213.6	215.6	214.7	215.4	214.6	218.7
40°	205.2	207.3	206.0	205.9	206.5	209.8
42.5°	196.8	199.0	197.4	196.4	198.2	200.7
45°	188.4	190.8	188.8	187.0	190.0	191.4
47.5°	179.8	179.8	180.0	177.7	181.4	181.9
50°	169.0	168.9	168.9	168.5	170.8	172.2
52.5°	158.2	158.0	157.9	159.4	160.3	162.5
55°	147.4	147.0	147.0	150.2	149.9	152.7
57.5°	136.7	136.1	136.1	139.4	139.6	143.3
60°	126.1	125.1	125.3	128.8	129.7	133.7
62.5°	115.5	114.2	114.5	118.4	120.0	123.9
65°	105.0	103.2	103.8	108.2	110.8	114.2
67.5°	94.5	92.3	93.2	98.3	101.9	104.9
70°	84.4	83.0	83.5	88.6	93.2	95.9
72.5°	75.1	73.8	75.4	79.0	84.6	87.6
75°	65.8	64.6	67.2	70.7	76.6	79.8
77.5°	56.5	55.3	59.2	63.2	69.2	72.5
80°	47.2	46.1	51.1	55.7	62.3	66.0
82.5°	37.9	36.8	43.0	48.4	55.2	60.2
85°	28.6	27.6	34.9	41.0	47.6	54.1
87.5°	19.3	18.4	26.9	33.7	40.0	47.6
90°	10.0	9.1	18.8	26.3	32.4	35.8
92.5°	27.2	25.9	33.2	39.7	47.2	44.2
95°	44.4	42.8	47.7	53.1	62.0	64.3
97.5°	61.6	59.6	62.2	66.5	76.9	81.4
100°	78.8	76.4	76.7	80.0	90.7	95.2
102.5°	96.0	93.2	91.2	93.4	102.9	107.8
105°	113.2	110.0	105.8	106.9	115.5	120.5
107.5°	130.5	126.8	120.5	121.1	128.7	133.5
110°	147.7	143.6	135.3	136.7	142.5	146.6



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CATALOG NUMBER: JW-WL-1T8-1C-UNV-SU-WA-4

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	165.4	160.4	151.8	152.6	156.0	160.5
115°	183.3	178.3	169.4	168.9	169.9	174.7
117.5°	201.3	196.3	187.1	185.8	184.8	189.7
120°	219.3	214.2	204.8	203.2	201.0	205.6
122.5°	237.4	232.2	222.6	221.0	217.9	221.9
125°	255.5	250.1	240.5	239.4	235.4	239.0
127.5°	273.7	268.0	258.4	254.9	253.4	256.1
130°	291.9	286.0	276.5	270.3	271.8	273.0
132.5°	310.2	303.9	294.6	285.8	290.0	289.9
135°	324.1	321.9	308.7	301.5	304.6	306.5
137.5°	337.7	334.9	322.4	317.1	318.7	322.3
140°	351.0	347.9	336.2	332.9	332.6	337.7
142.5°	364.4	360.9	350.0	348.4	346.0	352.5
145°	377.8	373.9	363.9	363.9	359.1	366.6
147.5°	391.0	386.9	378.2	379.3	371.7	379.9
150°	404.2	399.9	392.6	393.4	383.9	392.5
152.5°	417.4	412.9	407.2	402.2	395.3	404.3
155°	430.2	425.9	421.1	410.8	406.2	415.2
157.5°	437.7	438.9	429.7	418.9	416.3	425.3
160°	442.6	443.5	435.7	426.9	425.7	434.4
162.5°	447.6	448.1	441.9	434.9	434.4	442.5
165°	452.6	452.7	448.2	443.7	442.7	450.0
167.5°	457.6	457.3	454.3	450.9	451.3	457.0
170°	462.5	461.9	460.1	457.6	459.3	464.9
172.5°	467.4	466.5	466.0	464.7	465.6	469.7
175°	471.9	471.1	471.1	471.1	472.2	475.1
177.5°	476.1	475.7	475.7	476.4	477.7	479.4
180°	480.0	480.0	480.0	480.0	480.0	480.0

(END OF REPORT)