

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: 19095

Luminaire Tested: **AW-WB-1T8-UP**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 19095
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: AW-WB-1T8-UP
Description: CLASS A DIRECT/INDIRECT WALL LUMINAIRE WITH WHITE INTERIOR AND WHITE
18 CELL PERF BAFFLE WITH WHITE LAMP ISOLATOR
Light Source: ONE PHILIPS 32 WATT T8 LAMP

F32T8/TL841. LUMEN RATING = 2950 LMS.

Ballast/Driver: -

Summary

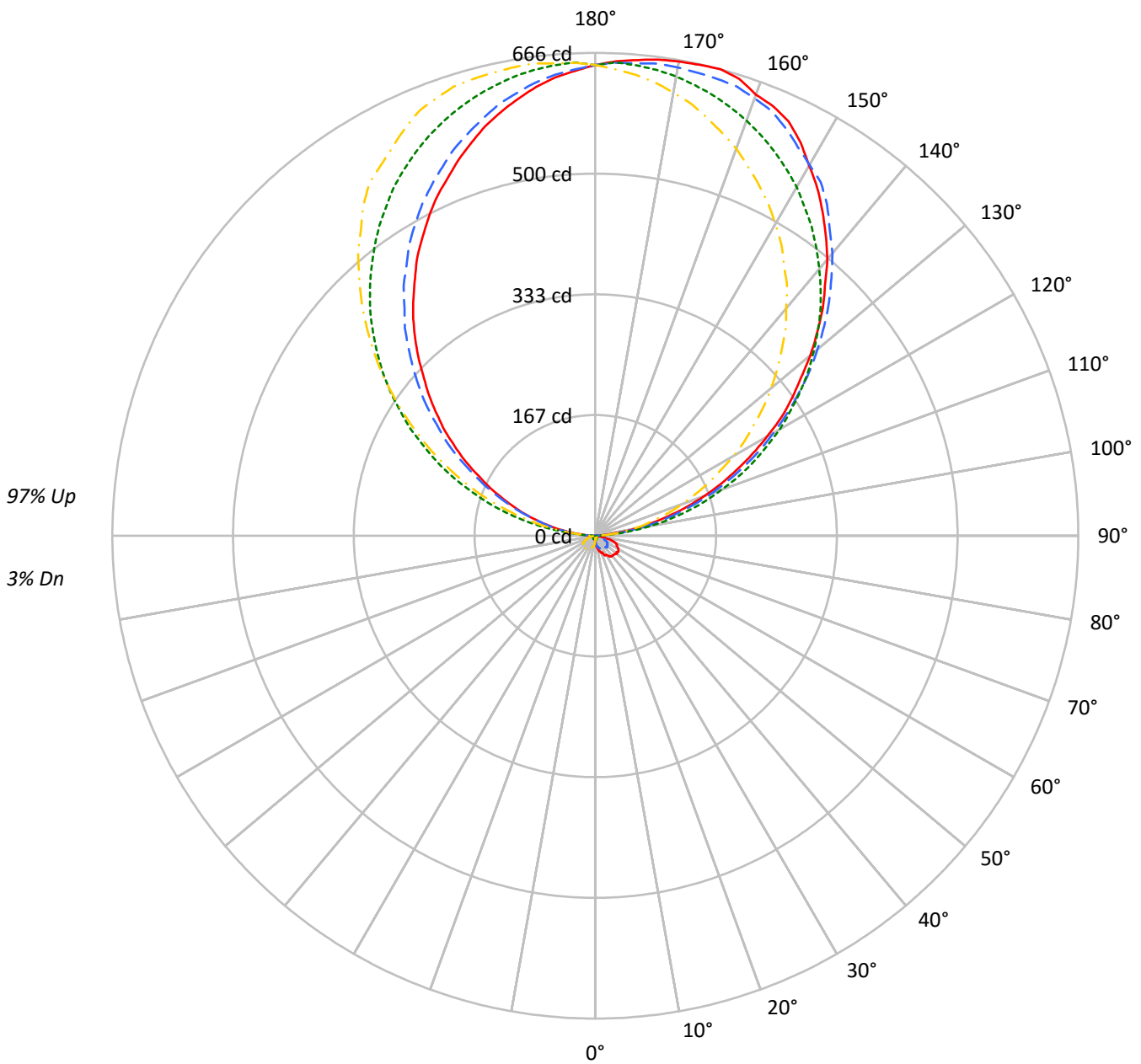
Lumens per Lamp: 2950 (1 lamp)
Luminaire Lumens: 1811.5 lumens
Efficiency: 61.4%
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 3.73 / 1.5 / 2.69
Luminous Opening: Rectangular w/ Sides (W: 0.19' x L: 3' x H: 0.09')
CIE Type: Indirect

Input Watts (W): 33
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



TEST NUMBER: 19095
CATALOG NUMBER: AW-WB-1T8-UP

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	59	59	59	59	51	51	51	51	35	35	35	21	21	21	8	8	8	2
1	54	51	49	47	46	44	42	40	30	29	28	18	18	17	7	7	6	1
2	49	44	41	38	42	38	35	33	27	25	23	16	15	14	6	6	5	1
3	44	39	35	32	38	34	30	27	23	21	20	14	13	12	5	5	5	1
4	40	34	30	26	34	30	26	23	21	18	16	12	11	10	5	4	4	1
5	37	30	26	22	32	26	22	20	18	16	14	11	10	9	4	4	3	1
6	34	27	22	19	29	23	20	17	16	14	12	10	8	7	4	3	3	1
7	31	24	20	17	27	21	17	14	15	12	10	9	7	6	3	3	2	0
8	29	22	17	14	25	19	15	13	13	11	9	8	7	6	3	2	2	0
9	27	20	15	13	23	17	13	11	12	10	8	7	6	5	3	2	2	0
10	25	18	14	11	21	15	12	10	11	9	7	7	5	4	2	2	2	0

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	72	72	72	72
5°	240	69	62	69
10°	315	51	116	51
15°	444	99	83	99
20°	511	91	50	91
25°	606	67	51	67
30°	654	82	54	82
35°	793	83	75	83
40°	868	69	79	69
45°	954	71	86	71
50°	1103	64	43	64
55°	1228	75	16	75
60°	1321	60	18	60
65°	1356	33	21	33
70°	1556	12	26	12
75°	1450	13	33	13
80°	232	15	46	15
85°	242	17	81	17



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	0.7	0.0	0.0
10°-20°	2.8	0.2	0.1
20°-30°	5.2	0.3	0.2
30°-40°	7.7	0.4	0.3
40°-50°	9.5	0.5	0.3
50°-60°	9.9	0.5	0.3
60°-70°	8.5	0.5	0.3
70°-80°	5.6	0.3	0.2
80°-90°	1.2	0.1	0.0
90°-100°	26.4	1.5	0.9
100°-110°	112.0	6.2	3.8
110°-120°	204.0	11.3	6.9
120°-130°	279.0	15.4	9.5
130°-140°	319.0	17.6	10.8
140°-150°	316.1	17.5	10.7
150°-160°	266.0	14.7	9.0
160°-170°	176.4	9.7	6.0
170°-180°	61.5	3.4	2.1
0°-30°	8.7	0.5	0.3
0°-40°	16.4	0.9	0.6
0°-60°	35.8	2.0	1.2
0°-90°	51.1	2.8	1.7
90°-120°	342.4	18.9	11.6
90°-150°	1256.5	69.4	42.6
90°-180°	1760.0	97.2	59.7
0°-180°	1811.5	100.0	61.4

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4	4	4	4	4	
5°	13	4	3	4	13	1
15°	23	6	4	6	23	6
25°	30	4	2	4	30	13
35°	35	5	3	5	35	22
45°	37	4	3	4	37	29
55°	39	4	0	4	39	34
65°	32	2	0	2	32	33
75°	22	0	0	0	22	20
85°	2	0	0	0	2	1
90°	0	0	0	0	0	0
95°	12	25	19	25	12	20
105°	104	132	84	132	104	111
115°	215	240	163	240	215	214
125°	331	344	254	344	331	296
135°	444	439	344	439	444	341
145°	546	520	434	520	546	341
155°	631	585	516	585	631	289
165°	666	629	585	629	666	187
175°	659	651	634	651	659	63
180°	649	649	649	649	649	



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CATALOG NUMBER: AW-WB-1T8-UP

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	9.9	8.9	8.9	4.3	3.4	4.3	3.3	3.3	4.3	3.3	3.3
5°	12.7	11.7	11.7	5.3	3.8	3.3	2.5	5.3	3.3	5.3	2.5
7.5°	15.5	14.5	13.7	8.9	4.8	4.3	2.5	3.3	4.3	3.3	2.5
10°	16.5	15.5	14.5	10.9	2.9	4.3	2.5	3.3	6.1	3.3	2.5
12.5°	20.1	17.3	15.5	10.9	3.4	3.3	5.3	4.3	4.3	4.3	5.3
15°	22.9	20.1	16.5	11.7	5.7	4.3	5.3	3.3	4.3	3.3	5.3
17.5°	22.9	21.1	18.3	11.7	4.3	4.3	4.3	3.3	2.5	3.3	4.3
20°	25.7	22.9	18.3	12.7	5.3	4.3	2.5	4.3	2.5	4.3	2.5
22.5°	24.9	23.9	19.3	12.7	3.9	4.3	4.3	3.3	2.5	3.3	4.3
25°	29.5	25.7	20.1	12.7	3.9	4.3	5.3	3.3	2.5	3.3	5.3
27.5°	30.5	27.7	20.1	13.7	3.9	4.3	4.3	4.3	2.5	4.3	4.3
30°	30.5	26.7	21.1	14.5	4.8	3.3	2.5	2.5	2.5	2.5	2.5
32.5°	32.3	29.5	21.1	13.7	4.3	3.3	4.3	3.3	2.5	3.3	4.3
35°	35.1	31.2	22.9	14.5	4.8	2.5	4.3	2.5	3.3	2.5	4.3
37.5°	36.1	30.5	22.1	13.7	3.3	3.3	4.3	3.3	2.5	3.3	4.3
40°	36.1	30.5	21.1	12.7	3.9	3.3	2.5	3.3	3.3	3.3	2.5
42.5°	36.1	32.3	21.1	13.7	4.3	3.3	2.5	3.3	2.5	3.3	2.5
45°	36.8	33.3	22.9	12.7	3.9	3.3	2.5	3.3	3.3	3.3	2.5
47.5°	36.8	31.2	21.1	11.7	3.4	3.3	3.3	1.5	2.5	1.5	3.3
50°	38.9	32.3	22.1	12.7	3.4	3.3	2.5	0.5	1.5	0.5	2.5
52.5°	36.8	32.3	21.1	10.9	3.4	3.3	1.5	0.5	1.5	0.5	1.5
55°	38.9	31.2	19.3	10.9	3.8	2.5	0.5	0.5	0.5	0.5	0.5
57.5°	37.9	31.2	20.1	8.9	2.5	0.5	0.5	0.5	0.5	0.5	0.5
60°	36.8	29.5	18.3	8.9	2.9	0.5	0.5	0.5	0.5	0.5	0.5
62.5°	35.1	28.4	18.3	7.1	2.9	0.5	0.5	0.5	0.5	0.5	0.5
65°	32.3	27.7	14.5	6.1	1.5	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	32.3	24.9	13.7	5.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	30.5	25.7	12.7	4.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	26.7	21.1	10.9	5.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	22.1	18.3	9.9	3.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	11.7	15.5	6.1	4.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	2.5	8.1	2.5	2.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	1.5	3.3	2.5	2.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	1.5	2.5	2.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.5	1.0	1.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
92.5°	0.5	1.5	0.5	13.7	5.2	2.5	8.1	3.3	8.1	3.3	8.1
95°	11.7	22.9	20.1	33.3	24.8	14.5	20.1	13.7	19.3	13.7	20.1
97.5°	33.3	43.4	40.6	57.4	49.9	28.4	36.8	27.7	31.2	27.7	36.8
100°	54.6	80.5	64.0	96.5	77.4	43.4	50.8	43.4	50.0	43.4	50.8
102.5°	78.8	93.7	88.9	109.5	104.4	52.8	68.6	51.8	66.8	51.8	68.6
105°	103.9	119.7	114.1	135.7	131.9	85.4	84.3	77.7	84.3	77.7	84.3
107.5°	131.9	146.9	141.3	165.4	159.3	105.7	106.7	96.5	103.9	96.5	106.7
110°	159.8	174.5	170.0	195.1	184.8	130.8	127.3	115.1	122.5	115.1	127.3



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CATALOG NUMBER: AW-WB-1T8-UP

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	187.8	201.7	197.9	224.1	213.7	154.2	148.6	135.7	142.0	135.7	148.6
115°	214.7	230.4	225.9	253.8	240.4	179.4	171.8	155.2	163.4	155.2	171.8
117.5°	244.4	259.4	255.6	282.5	265.9	205.3	194.1	177.3	183.9	177.3	194.1
120°	273.4	289.1	283.5	313.3	293.8	231.5	220.3	199.7	208.1	199.7	220.3
122.5°	304.1	334.6	313.3	358.0	318.1	259.4	244.4	223.1	229.7	223.1	244.4
125°	331.1	346.8	342.2	371.0	344.4	269.6	266.8	236.0	253.8	236.0	266.8
127.5°	357.0	374.8	372.0	399.9	369.2	308.7	292.9	270.6	275.2	270.6	292.9
130°	387.0	401.7	399.9	427.9	392.4	334.6	316.1	292.9	298.5	292.9	316.1
132.5°	414.9	432.4	427.9	450.2	415.8	360.8	340.2	318.1	319.9	318.1	340.2
135°	443.6	457.6	455.8	471.6	438.9	384.9	363.6	342.2	344.0	342.2	363.6
137.5°	468.8	484.5	481.7	495.7	459.9	410.1	388.7	365.4	367.4	365.4	388.7
140°	497.7	510.7	508.7	518.1	480.5	432.4	409.3	388.7	390.5	388.7	409.3
142.5°	521.9	534.8	531.0	540.4	500.4	454.8	434.2	410.1	412.1	410.1	434.2
145°	546.0	571.2	557.2	565.6	520.0	477.2	453.8	432.4	433.5	432.4	453.8
147.5°	569.4	581.3	578.5	572.9	537.1	485.5	477.2	441.8	456.6	441.8	477.2
150°	589.7	604.7	590.7	586.9	555.4	518.1	496.7	473.3	476.1	473.3	496.7
152.5°	612.1	621.5	604.7	599.1	570.2	535.9	516.3	494.9	496.7	494.9	516.3
155°	630.6	631.6	620.5	610.3	584.6	552.6	533.8	514.3	516.3	514.3	533.8
157.5°	641.0	641.0	634.4	619.4	597.6	570.2	550.6	533.1	533.1	533.1	550.6
160°	647.4	653.0	641.8	628.8	609.3	584.1	568.4	549.8	551.6	549.8	568.4
162.5°	660.6	661.4	649.4	637.2	619.6	599.1	582.3	566.6	568.4	566.6	582.3
165°	666.2	664.2	652.2	642.8	628.8	610.3	596.3	582.3	585.1	582.3	596.3
167.5°	665.2	662.4	654.0	650.2	636.3	621.5	610.3	596.3	599.1	596.3	610.3
170°	664.2	661.4	655.8	651.2	643.2	625.0	620.5	602.7	612.1	602.7	620.5
172.5°	662.4	660.6	656.8	653.0	648.0	637.2	630.6	621.5	624.3	621.5	630.6
175°	658.6	658.6	654.0	654.0	651.2	643.8	638.2	633.4	634.4	633.4	638.2
177.5°	655.0	653.0	653.0	654.0	653.5	648.4	643.8	639.0	641.8	639.0	643.8
180°	649.1	649.1	649.1	649.1	649.1	649.1	649.1	649.1	649.1	649.1	649.1



TEST NUMBER: 19095

CATALOG NUMBER: AW-WB-1T8-UP

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	4.3	3.4	4.3	8.9	8.9	9.9
5°	3.3	3.8	5.3	11.7	11.7	12.7
7.5°	4.3	4.8	8.9	13.7	14.5	15.5
10°	4.3	2.9	10.9	14.5	15.5	16.5
12.5°	3.3	3.4	10.9	15.5	17.3	20.1
15°	4.3	5.7	11.7	16.5	20.1	22.9
17.5°	4.3	4.3	11.7	18.3	21.1	22.9
20°	4.3	5.3	12.7	18.3	22.9	25.7
22.5°	4.3	3.9	12.7	19.3	23.9	24.9
25°	4.3	3.9	12.7	20.1	25.7	29.5
27.5°	4.3	3.9	13.7	20.1	27.7	30.5
30°	3.3	4.8	14.5	21.1	26.7	30.5
32.5°	3.3	4.3	13.7	21.1	29.5	32.3
35°	2.5	4.8	14.5	22.9	31.2	35.1
37.5°	3.3	3.3	13.7	22.1	30.5	36.1
40°	3.3	3.9	12.7	21.1	30.5	36.1
42.5°	3.3	4.3	13.7	21.1	32.3	36.1
45°	3.3	3.9	12.7	22.9	33.3	36.8
47.5°	3.3	3.4	11.7	21.1	31.2	36.8
50°	3.3	3.4	12.7	22.1	32.3	38.9
52.5°	3.3	3.4	10.9	21.1	32.3	36.8
55°	2.5	3.8	10.9	19.3	31.2	38.9
57.5°	0.5	2.5	8.9	20.1	31.2	37.9
60°	0.5	2.9	8.9	18.3	29.5	36.8
62.5°	0.5	2.9	7.1	18.3	28.4	35.1
65°	0.5	1.5	6.1	14.5	27.7	32.3
67.5°	0.5	0.5	5.3	13.7	24.9	32.3
70°	0.5	0.5	4.3	12.7	25.7	30.5
72.5°	0.5	0.5	5.3	10.9	21.1	26.7
75°	0.5	0.5	3.3	9.9	18.3	22.1
77.5°	0.5	0.5	4.3	6.1	15.5	11.7
80°	0.5	0.5	2.5	2.5	8.1	2.5
82.5°	0.5	0.5	2.5	2.5	3.3	1.5
85°	0.5	0.5	0.5	2.5	2.5	1.5
87.5°	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.5	0.5	0.5	1.5	1.0	0.5
92.5°	2.5	5.2	13.7	0.5	1.5	0.5
95°	14.5	24.8	33.3	20.1	22.9	11.7
97.5°	28.4	49.9	57.4	40.6	43.4	33.3
100°	43.4	77.4	96.5	64.0	80.5	54.6
102.5°	52.8	104.4	109.5	88.9	93.7	78.8
105°	85.4	131.9	135.7	114.1	119.7	103.9
107.5°	105.7	159.3	165.4	141.3	146.9	131.9
110°	130.8	184.8	195.1	170.0	174.5	159.8



TEST NUMBER: 19095

CATALOG NUMBER: AW-WB-1T8-UP

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	154.2	213.7	224.1	197.9	201.7	187.8
115°	179.4	240.4	253.8	225.9	230.4	214.7
117.5°	205.3	265.9	282.5	255.6	259.4	244.4
120°	231.5	293.8	313.3	283.5	289.1	273.4
122.5°	259.4	318.1	358.0	313.3	334.6	304.1
125°	269.6	344.4	371.0	342.2	346.8	331.1
127.5°	308.7	369.2	399.9	372.0	374.8	357.0
130°	334.6	392.4	427.9	399.9	401.7	387.0
132.5°	360.8	415.8	450.2	427.9	432.4	414.9
135°	384.9	438.9	471.6	455.8	457.6	443.6
137.5°	410.1	459.9	495.7	481.7	484.5	468.8
140°	432.4	480.5	518.1	508.7	510.7	497.7
142.5°	454.8	500.4	540.4	531.0	534.8	521.9
145°	477.2	520.0	565.6	557.2	571.2	546.0
147.5°	485.5	537.1	572.9	578.5	581.3	569.4
150°	518.1	555.4	586.9	590.7	604.7	589.7
152.5°	535.9	570.2	599.1	604.7	621.5	612.1
155°	552.6	584.6	610.3	620.5	631.6	630.6
157.5°	570.2	597.6	619.4	634.4	641.0	641.0
160°	584.1	609.3	628.8	641.8	653.0	647.4
162.5°	599.1	619.6	637.2	649.4	661.4	660.6
165°	610.3	628.8	642.8	652.2	664.2	666.2
167.5°	621.5	636.3	650.2	654.0	662.4	665.2
170°	625.0	643.2	651.2	655.8	661.4	664.2
172.5°	637.2	648.0	653.0	656.8	660.6	662.4
175°	643.8	651.2	654.0	654.0	658.6	658.6
177.5°	648.4	653.5	654.0	653.0	653.0	655.0
180°	649.1	649.1	649.1	649.1	649.1	649.1

(END OF REPORT)