

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: 19092

Luminaire Tested: **AW-WB-2T8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 19092
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: AW-WB-2T8
Description: CLASS A DIRECT/INDIRECT WALL LUMINAIRE WITH WHITE INTERIOR AND WHITE
18 CELL PERF BAFFLE
Light Source: TWO PHILIPS 32 WATT T8 LAMPS

F32T8/TL841. LUMEN RATING = 2950 LMS.

Ballast/Driver: -

Summary

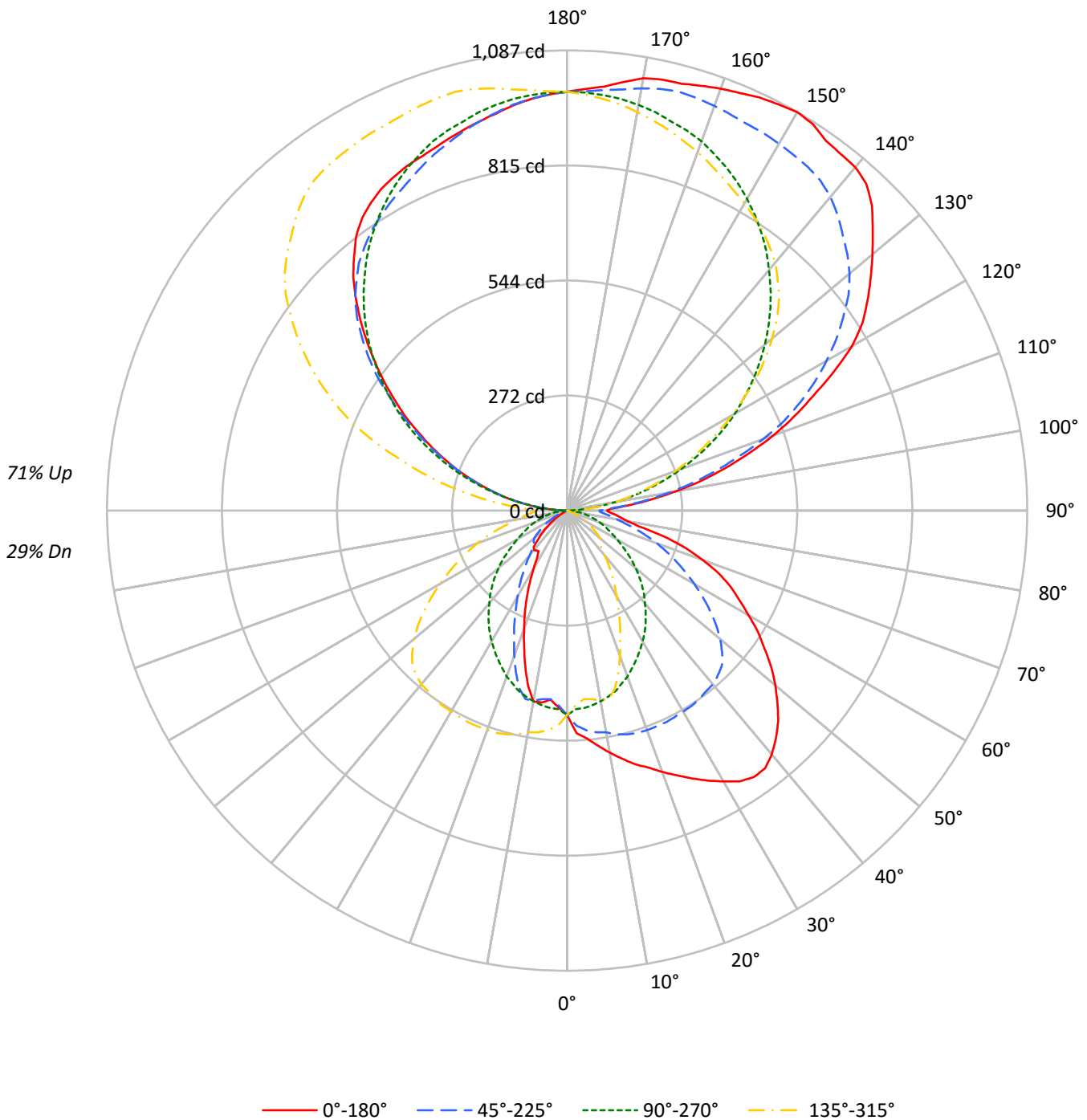
Lumens per Lamp: 2950 (2 lamps)
Luminaire Lumens: 4764.3 lumens
Efficiency: 80.8%
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 1.41 / 1.11 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.19' x L: 3' x H: 0.09')
CIE Type: Semi-Indirect

Input Watts (W): 66
Input Voltage (V): NR
Input Current (A_{in}): 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: 19092
CATALOG NUMBER: AW-WB-2T8

Luminous Intensity Polar Plot





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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	82	82	82	82	74	74	74	74	58	58	58	43	43	43	30	30	30	23
1	75	71	68	66	67	64	61	59	50	48	47	38	36	35	26	25	25	19
2	68	62	57	53	61	56	52	48	44	41	39	33	31	29	23	22	21	16
3	62	55	49	44	55	49	44	40	39	35	32	29	27	25	20	19	17	13
4	57	48	42	37	51	43	38	34	34	30	27	26	23	21	18	16	15	12
5	52	43	36	32	46	39	33	29	31	27	24	23	20	18	16	14	13	10
6	48	38	32	27	43	35	29	25	27	23	20	21	18	16	14	13	11	9
7	44	34	28	24	39	31	26	22	25	21	18	19	16	14	13	11	10	8
8	41	31	25	21	36	28	23	19	22	19	16	17	14	12	12	10	9	7
9	38	28	22	19	34	26	20	17	21	17	14	16	13	11	11	9	8	6
10	35	26	20	16	32	23	18	15	19	15	12	14	12	10	10	9	7	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9117	9117	9117	9117
5°	10221	8515	8480	8515
10°	11078	8095	8732	8095
15°	12030	7658	7407	7658
20°	13058	7148	5910	7148
25°	14347	6612	4623	6612
30°	15833	6103	3395	6103
35°	17356	5602	2644	5602
40°	18078	5045	2926	5045
45°	18277	4529	2546	4529
50°	18204	3968	1883	3968
55°	17980	3370	1206	3370
60°	17786	2807	460	2807
65°	17885	2374	139	2374
70°	17363	1965	133	1965
75°	15571	1539	171	1539
80°	13411	1086	139	1086
85°	18442	497	81	497



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	46.4	1.0	0.8
10°-20°	134.2	2.8	2.3
20°-30°	196.0	4.1	3.3
30°-40°	234.1	4.9	4.0
40°-50°	245.7	5.2	4.2
50°-60°	214.0	4.5	3.6
60°-70°	157.8	3.3	2.7
70°-80°	94.9	2.0	1.6
80°-90°	47.7	1.0	0.8
90°-100°	100.9	2.1	1.7
100°-110°	283.9	6.0	4.8
110°-120°	462.4	9.7	7.8
120°-130°	577.9	12.1	9.8
130°-140°	609.4	12.8	10.3
140°-150°	555.3	11.7	9.4
150°-160°	434.3	9.1	7.4
160°-170°	275.1	5.8	4.7
170°-180°	94.0	2.0	1.6
0°-30°	376.6	7.9	6.4
0°-40°	610.7	12.8	10.4
0°-60°	1070.4	22.5	18.1
0°-90°	1370.8	28.8	23.2
90°-120°	847.3	17.8	14.4
90°-150°	2590.0	54.4	43.9
90°-180°	3393.0	71.2	57.5
0°-180°	4764.3	100.0	80.8

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	483	483	483	483	483	
5°	541	468	448	468	541	53
15°	620	441	382	441	620	177
25°	698	387	225	387	698	324
35°	769	324	117	324	769	478
45°	705	250	98	250	705	542
55°	570	172	38	172	570	510
65°	426	107	3	107	426	418
75°	237	58	3	58	237	249
85°	114	15	0	15	114	99
90°	94	0	0	0	94	54
95°	147	41	48	41	147	144
105°	386	200	190	200	386	408
115°	641	373	351	373	641	638
125°	866	535	526	535	866	774
135°	1018	679	705	679	1018	782
145°	1066	800	844	800	1066	672
155°	1076	892	897	892	1076	498
165°	1044	951	933	951	1044	297
175°	1005	985	976	985	1005	97
180°	989	989	989	989	989	



TEST NUMBER: 19092
 CATALOG NUMBER: AW-WB-2T8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8
2.5°	526.5	513.1	508.5	487.0	469.6	460.6	460.6	450.3	465.5	450.3	460.6
5°	540.6	531.1	520.8	499.3	467.8	447.5	447.5	452.1	448.5	452.1	447.5
7.5°	560.3	539.5	528.3	504.7	463.5	444.7	449.3	457.8	457.0	457.8	449.3
10°	580.8	559.3	532.1	505.7	457.4	443.7	454.9	454.9	457.8	454.9	454.9
12.5°	600.5	577.2	541.3	501.9	449.8	441.9	456.0	419.3	425.0	419.3	456.0
15°	620.3	592.1	547.0	495.4	441.4	437.3	435.2	370.6	381.9	370.6	435.2
17.5°	636.2	602.3	550.8	487.0	428.3	429.6	401.6	335.8	337.6	335.8	401.6
20°	656.9	618.5	551.8	479.6	417.0	418.3	365.0	297.3	297.3	297.3	365.0
22.5°	676.7	629.8	551.8	471.9	401.9	402.4	327.3	261.7	260.7	261.7	327.3
25°	698.2	643.9	551.8	463.4	387.4	376.3	295.5	226.8	225.0	226.8	295.5
27.5°	719.0	656.9	549.8	452.1	372.0	341.4	262.5	189.4	190.2	189.4	262.5
30°	738.7	670.0	548.0	443.7	356.4	318.1	233.5	164.8	158.4	164.8	233.5
32.5°	758.2	680.3	547.0	428.8	340.9	289.9	209.1	138.7	132.0	138.7	209.1
35°	768.7	690.8	543.4	413.7	323.6	263.5	182.7	117.9	117.1	117.9	182.7
37.5°	767.7	698.2	538.5	399.6	304.4	236.3	160.2	117.1	118.9	117.1	160.2
40°	751.8	695.4	535.7	385.5	286.0	213.8	137.6	117.1	121.7	117.1	137.6
42.5°	730.2	676.7	527.2	367.8	268.7	193.0	118.9	116.1	117.1	116.1	118.9
45°	704.9	653.1	517.0	350.9	249.9	171.5	110.5	101.0	98.2	101.0	110.5
47.5°	673.8	625.9	496.5	331.9	231.1	152.8	107.6	85.1	82.3	85.1	107.6
50°	641.8	593.9	471.9	313.2	211.3	133.0	101.0	66.4	66.4	66.4	101.0
52.5°	608.0	563.9	443.7	296.3	192.6	121.7	87.9	56.1	51.3	56.1	87.9
55°	569.5	527.2	411.9	275.8	171.6	106.6	74.8	42.0	38.2	42.0	74.8
57.5°	534.9	491.6	379.8	255.0	153.1	94.6	62.5	28.7	25.1	28.7	62.5
60°	495.4	456.0	347.0	234.5	135.3	80.5	49.5	15.6	12.8	15.6	49.5
62.5°	458.8	425.0	315.3	215.5	120.8	70.2	37.2	8.2	5.4	8.2	37.2
65°	426.0	383.7	284.2	188.4	107.1	58.9	26.9	4.3	3.3	4.3	26.9
67.5°	387.5	350.9	254.0	167.6	94.4	47.7	15.6	3.3	2.6	3.3	15.6
70°	340.4	317.1	225.0	148.1	81.9	36.4	8.2	3.3	2.6	3.3	8.2
72.5°	291.7	276.6	195.0	130.2	70.1	23.1	3.3	3.3	1.5	3.3	3.3
75°	237.3	236.3	166.8	115.1	58.4	15.6	4.3	2.6	2.6	2.6	4.3
77.5°	174.3	194.0	139.7	101.0	46.6	6.1	3.3	0.5	2.6	0.5	3.3
80°	144.3	151.0	118.9	86.9	36.8	0.5	1.5	0.5	1.5	0.5	1.5
82.5°	128.4	131.2	103.8	73.8	26.0	0.5	2.6	1.5	0.5	1.5	2.6
85°	114.3	119.9	89.7	62.5	14.7	0.5	1.5	0.5	0.5	0.5	1.5
87.5°	101.0	103.0	78.4	48.4	4.7	0.5	0.5	0.5	0.5	0.5	0.5
90°	93.5	90.7	76.1	42.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5
92.5°	103.8	120.7	97.4	83.3	12.8	8.2	17.4	4.3	15.6	4.3	17.4
95°	147.1	168.6	139.7	125.6	41.4	33.6	48.4	32.5	47.7	32.5	48.4
97.5°	199.7	226.1	190.2	177.1	77.7	61.8	81.2	67.4	83.3	67.4	81.2
100°	260.7	317.1	245.5	266.3	116.1	92.5	117.1	102.0	117.1	102.0	117.1
102.5°	322.7	348.1	304.0	295.5	156.9	108.7	152.8	118.9	154.5	118.9	152.8
105°	385.5	411.9	364.0	349.9	199.7	168.6	189.4	174.3	190.2	174.3	189.4
107.5°	450.3	477.5	425.0	406.2	242.5	212.7	229.6	212.0	229.6	212.0	229.6
110°	518.0	539.5	492.6	457.0	285.7	256.8	270.9	252.2	270.1	252.2	270.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	580.0	600.5	555.4	504.7	329.2	306.8	313.2	292.7	309.6	292.7	313.2
115°	641.0	669.2	609.0	549.0	373.3	353.7	357.3	334.7	350.9	334.7	357.3
117.5°	710.5	732.0	659.7	592.1	416.1	399.6	400.6	379.1	392.2	379.1	400.6
120°	777.1	782.8	707.7	635.4	457.4	443.7	449.3	423.2	439.1	423.2	449.3
122.5°	827.9	847.4	753.6	692.6	495.4	482.4	494.4	469.0	480.3	469.0	494.4
125°	866.3	866.3	795.9	706.7	534.9	501.1	545.2	488.8	526.5	488.8	545.2
127.5°	903.8	905.8	838.1	732.0	572.9	555.4	589.3	558.2	569.5	558.2	589.3
130°	941.4	947.1	871.0	755.6	609.4	587.5	631.6	605.2	615.7	605.2	631.6
132.5°	978.9	984.5	897.4	781.8	644.8	620.3	672.8	651.3	661.5	651.3	672.8
135°	1018.3	1010.9	920.7	803.3	679.0	650.3	707.7	696.4	704.9	696.4	707.7
137.5°	1046.5	1026.8	946.1	827.9	711.3	680.3	736.6	731.0	747.9	731.0	736.6
140°	1058.8	1033.5	967.6	849.4	741.9	710.5	764.8	774.3	782.8	774.3	764.8
142.5°	1061.7	1047.6	982.7	872.0	772.8	737.7	785.6	804.3	818.4	804.3	785.6
145°	1066.3	1066.3	991.2	904.8	800.5	766.6	806.1	828.7	843.8	828.7	806.1
147.5°	1081.4	1069.1	995.8	914.3	825.8	777.1	822.3	838.1	862.5	838.1	822.3
150°	1087.0	1069.1	1000.6	932.0	849.8	817.4	838.1	861.5	877.6	861.5	838.1
152.5°	1081.4	1062.4	1005.3	950.7	872.4	841.0	852.2	872.7	887.9	872.7	852.2
155°	1076.5	1056.0	1007.1	964.8	892.5	862.5	868.1	884.0	897.4	884.0	868.1
157.5°	1067.3	1052.2	1011.9	974.2	910.4	882.2	885.0	892.5	903.8	892.5	885.0
160°	1060.6	1044.7	1017.3	981.7	928.2	900.9	900.9	903.8	912.2	903.8	900.9
162.5°	1052.2	1041.9	1021.2	986.6	940.9	917.1	915.0	915.0	922.7	915.0	915.0
165°	1043.7	1039.9	1024.0	991.2	951.2	932.0	930.2	926.3	933.0	926.3	930.2
167.5°	1042.7	1032.4	1020.1	991.2	963.9	947.1	943.2	939.4	943.2	939.4	943.2
170°	1037.0	1025.8	1012.7	993.0	972.8	951.7	955.5	944.3	953.5	944.3	955.5
172.5°	1021.2	1009.9	1003.5	994.0	980.4	970.4	967.6	961.2	965.8	961.2	967.6
175°	1005.3	999.6	996.8	995.0	985.1	978.9	976.0	971.4	976.0	971.4	976.0
177.5°	996.8	994.0	991.2	995.0	988.3	985.5	983.7	978.9	983.7	978.9	983.7
180°	989.3	989.3	989.3	989.3	989.3	989.3	989.3	989.3	989.3	989.3	989.3



TEST NUMBER: 19092
 CATALOG NUMBER: AW-WB-2T8

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	482.8	482.8	482.8	482.8	482.8	482.8
2.5°	460.6	469.6	487.0	508.5	513.1	526.5
5°	447.5	467.8	499.3	520.8	531.1	540.6
7.5°	444.7	463.5	504.7	528.3	539.5	560.3
10°	443.7	457.4	505.7	532.1	559.3	580.8
12.5°	441.9	449.8	501.9	541.3	577.2	600.5
15°	437.3	441.4	495.4	547.0	592.1	620.3
17.5°	429.6	428.3	487.0	550.8	602.3	636.2
20°	418.3	417.0	479.6	551.8	618.5	656.9
22.5°	402.4	401.9	471.9	551.8	629.8	676.7
25°	376.3	387.4	463.4	551.8	643.9	698.2
27.5°	341.4	372.0	452.1	549.8	656.9	719.0
30°	318.1	356.4	443.7	548.0	670.0	738.7
32.5°	289.9	340.9	428.8	547.0	680.3	758.2
35°	263.5	323.6	413.7	543.4	690.8	768.7
37.5°	236.3	304.4	399.6	538.5	698.2	767.7
40°	213.8	286.0	385.5	535.7	695.4	751.8
42.5°	193.0	268.7	367.8	527.2	676.7	730.2
45°	171.5	249.9	350.9	517.0	653.1	704.9
47.5°	152.8	231.1	331.9	496.5	625.9	673.8
50°	133.0	211.3	313.2	471.9	593.9	641.8
52.5°	121.7	192.6	296.3	443.7	563.9	608.0
55°	106.6	171.6	275.8	411.9	527.2	569.5
57.5°	94.6	153.1	255.0	379.8	491.6	534.9
60°	80.5	135.3	234.5	347.0	456.0	495.4
62.5°	70.2	120.8	215.5	315.3	425.0	458.8
65°	58.9	107.1	188.4	284.2	383.7	426.0
67.5°	47.7	94.4	167.6	254.0	350.9	387.5
70°	36.4	81.9	148.1	225.0	317.1	340.4
72.5°	23.1	70.1	130.2	195.0	276.6	291.7
75°	15.6	58.4	115.1	166.8	236.3	237.3
77.5°	6.1	46.6	101.0	139.7	194.0	174.3
80°	0.5	36.8	86.9	118.9	151.0	144.3
82.5°	0.5	26.0	73.8	103.8	131.2	128.4
85°	0.5	14.7	62.5	89.7	119.9	114.3
87.5°	0.5	4.7	48.4	78.4	103.0	101.0
90°	0.5	0.5	42.8	76.1	90.7	93.5
92.5°	8.2	12.8	83.3	97.4	120.7	103.8
95°	33.6	41.4	125.6	139.7	168.6	147.1
97.5°	61.8	77.7	177.1	190.2	226.1	199.7
100°	92.5	116.1	266.3	245.5	317.1	260.7
102.5°	108.7	156.9	295.5	304.0	348.1	322.7
105°	168.6	199.7	349.9	364.0	411.9	385.5
107.5°	212.7	242.5	406.2	425.0	477.5	450.3
110°	256.8	285.7	457.0	492.6	539.5	518.0



TEST NUMBER: 19092
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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	306.8	329.2	504.7	555.4	600.5	580.0
115°	353.7	373.3	549.0	609.0	669.2	641.0
117.5°	399.6	416.1	592.1	659.7	732.0	710.5
120°	443.7	457.4	635.4	707.7	782.8	777.1
122.5°	482.4	495.4	692.6	753.6	847.4	827.9
125°	501.1	534.9	706.7	795.9	866.3	866.3
127.5°	555.4	572.9	732.0	838.1	905.8	903.8
130°	587.5	609.4	755.6	871.0	947.1	941.4
132.5°	620.3	644.8	781.8	897.4	984.5	978.9
135°	650.3	679.0	803.3	920.7	1010.9	1018.3
137.5°	680.3	711.3	827.9	946.1	1026.8	1046.5
140°	710.5	741.9	849.4	967.6	1033.5	1058.8
142.5°	737.7	772.8	872.0	982.7	1047.6	1061.7
145°	766.6	800.5	904.8	991.2	1066.3	1066.3
147.5°	777.1	825.8	914.3	995.8	1069.1	1081.4
150°	817.4	849.8	932.0	1000.6	1069.1	1087.0
152.5°	841.0	872.4	950.7	1005.3	1062.4	1081.4
155°	862.5	892.5	964.8	1007.1	1056.0	1076.5
157.5°	882.2	910.4	974.2	1011.9	1052.2	1067.3
160°	900.9	928.2	981.7	1017.3	1044.7	1060.6
162.5°	917.1	940.9	986.6	1021.2	1041.9	1052.2
165°	932.0	951.2	991.2	1024.0	1039.9	1043.7
167.5°	947.1	963.9	991.2	1020.1	1032.4	1042.7
170°	951.7	972.8	993.0	1012.7	1025.8	1037.0
172.5°	970.4	980.4	994.0	1003.5	1009.9	1021.2
175°	978.9	985.1	995.0	996.8	999.6	1005.3
177.5°	985.5	988.3	995.0	991.2	994.0	996.8
180°	989.3	989.3	989.3	989.3	989.3	989.3

(END OF REPORT)