

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: 19098

Luminaire Tested: **AW-WB-1T5-UP**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 19098
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: AW-WB-1T5-UP
Description: CLASS A DIRECT/INDIRECT WALL LUMINAIRE WITH WHITE INTERIOR AND WHITE
18 CELL PERF BAFFLE WITH WHITE LAMP ISOLATOR
Light Source: ONE SYLVANIA 54 WATT T5 LAMP

FP54/841HO. LUMEN RATING = 4500 LMS.

Ballast/Driver: -

Summary

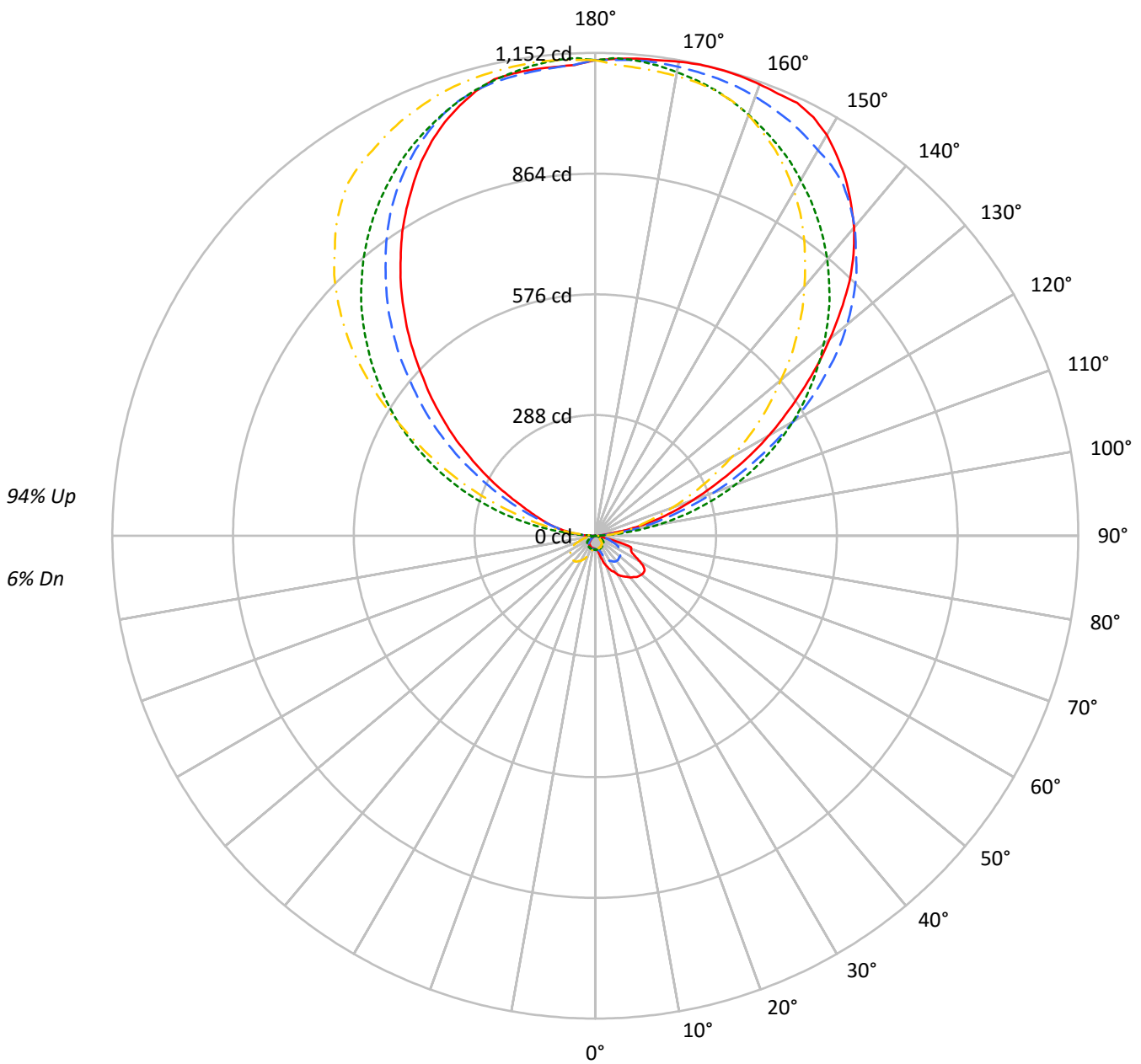
Lumens per Lamp: 4500 (1 lamp)
Luminaire Lumens: 3402.1 lumens
Efficiency: 75.6%
Efficacy: 52.3 lumens/watt
Spacing Criteria (0/90/45): 2.68 / 1.38 / 2.02
Luminous Opening: Rectangular w/ Sides (W: 0.19' x L: 3' x H: 0.09')
CIE Type: Indirect

Input Watts (W): 65
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: 19098
CATALOG NUMBER: AW-WB-1T5-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	73	73	73	73	63	63	63	63	44	44	44	27	27	27	12	12	12	4
1	66	63	61	58	57	55	52	50	39	37	36	24	23	22	10	10	10	4
2	60	55	51	47	52	48	44	41	34	31	30	21	20	19	9	8	8	3
3	55	48	43	39	47	42	38	34	30	27	25	18	17	16	8	7	7	2
4	50	42	37	33	43	37	32	29	26	23	21	16	14	13	7	6	6	2
5	46	38	32	28	39	33	28	24	23	20	18	14	13	11	6	5	5	2
6	42	33	28	24	36	29	24	21	21	17	15	13	11	10	5	5	4	1
7	39	30	24	20	33	26	21	18	18	15	13	11	10	8	5	4	4	1
8	36	27	21	18	31	23	19	16	17	14	11	10	9	7	4	4	3	1
9	33	24	19	16	28	21	17	14	15	12	10	9	8	6	4	3	3	1
10	31	22	17	14	26	19	15	12	14	11	9	9	7	6	4	3	2	1

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	618	618	618	618
5°	631	608	569	608
10°	700	570	591	570
15°	1086	574	572	574
20°	1511	559	586	559
25°	1909	529	588	529
30°	2302	536	581	536
35°	2678	509	592	509
40°	3126	483	534	483
45°	3614	487	451	487
50°	4090	477	357	477
55°	4534	444	218	444
60°	4405	367	104	367
65°	4064	330	21	330
70°	4657	281	26	281
75°	3517	192	33	192
80°	1450	130	46	130
85°	1743	57	81	57



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	3.1	0.1	0.1
10°-20°	10.2	0.3	0.2
20°-30°	20.5	0.6	0.5
30°-40°	31.0	0.9	0.7
40°-50°	38.6	1.1	0.9
50°-60°	40.4	1.2	0.9
60°-70°	31.8	0.9	0.7
70°-80°	19.0	0.6	0.4
80°-90°	5.9	0.2	0.1
90°-100°	46.0	1.4	1.0
100°-110°	188.8	5.5	4.2
110°-120°	362.3	10.6	8.1
120°-130°	515.7	15.2	11.5
130°-140°	596.3	17.5	13.3
140°-150°	585.8	17.2	13.0
150°-160°	484.1	14.2	10.8
160°-170°	314.6	9.2	7.0
170°-180°	108.0	3.2	2.4
0°-30°	33.8	1.0	0.8
0°-40°	64.8	1.9	1.4
0°-60°	143.9	4.2	3.2
0°-90°	200.6	5.9	4.5
90°-120°	597.0	17.5	13.3
90°-150°	2294.9	67.5	51.0
90°-180°	3201.0	94.1	71.1
0°-180°	3402.1	100.0	75.6

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	33	33	33	33	33	
5°	33	33	30	33	33	3
15°	56	33	30	33	56	17
25°	93	31	29	31	93	43
35°	119	29	26	29	119	75
45°	139	27	17	27	139	107
55°	144	23	7	23	144	125
65°	97	15	0	15	97	100
75°	54	7	0	7	54	56
85°	11	2	0	2	11	10
90°	8	0	0	0	8	5
95°	8	52	42	52	8	19
105°	155	255	120	255	155	163
115°	354	451	230	451	354	354
125°	601	629	411	629	601	538
135°	857	790	610	790	857	657
145°	1041	924	809	924	1041	650
155°	1139	1029	984	1029	1139	524
165°	1152	1101	1098	1101	1152	326
175°	1143	1138	1122	1138	1143	109
180°	1134	1134	1134	1134	1134	



TEST NUMBER: 19098

CATALOG NUMBER: AW-WB-1T5-UP

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
2.5°	33.4	33.4	35.0	34.3	32.5	32.5	31.9	31.9	30.1	31.9	31.9
5°	33.4	33.4	33.4	33.4	33.4	31.9	31.9	30.1	30.1	30.1	31.9
7.5°	35.0	35.0	33.4	32.5	33.4	31.0	31.9	31.0	31.0	31.0	31.9
10°	36.7	35.0	33.4	33.4	32.2	31.9	31.9	30.1	31.0	30.1	31.9
12.5°	44.6	35.8	35.8	32.5	33.9	31.9	31.9	30.1	29.5	30.1	31.9
15°	56.0	46.4	35.8	33.4	33.1	30.1	31.0	29.5	29.5	29.5	31.0
17.5°	67.9	55.1	40.7	32.5	32.5	31.0	29.5	29.5	29.5	29.5	29.5
20°	76.0	67.2	46.4	33.4	32.6	31.0	29.5	28.6	29.5	28.6	29.5
22.5°	84.1	74.5	55.1	34.3	32.6	30.1	30.1	28.6	29.5	28.6	30.1
25°	92.9	81.7	60.8	33.4	31.0	29.5	28.6	27.7	28.6	27.7	28.6
27.5°	96.8	88.1	64.8	34.3	31.0	28.6	29.5	26.2	26.2	26.2	29.5
30°	107.4	93.8	69.6	34.3	31.3	27.7	26.2	26.2	27.1	26.2	26.2
32.5°	113.7	99.2	71.2	35.8	29.0	27.7	26.2	27.1	26.2	27.1	26.2
35°	118.6	103.4	75.1	37.4	29.4	26.2	26.2	27.1	26.2	27.1	26.2
37.5°	123.4	108.2	77.5	40.7	28.6	26.2	24.6	23.8	23.8	23.8	24.6
40°	130.0	109.8	78.4	43.1	27.4	23.8	25.3	21.3	22.2	21.3	25.3
42.5°	133.9	113.1	79.3	43.9	26.9	23.8	22.9	18.9	18.9	18.9	22.9
45°	139.4	116.1	78.4	43.9	26.9	22.2	19.8	16.5	17.4	16.5	19.8
47.5°	141.8	117.9	76.9	43.1	26.2	20.5	18.1	13.2	13.2	13.2	18.1
50°	144.2	119.4	76.9	42.2	25.4	18.9	16.5	10.8	12.6	10.8	16.5
52.5°	145.1	118.6	75.1	41.5	24.5	18.1	13.2	8.4	8.4	8.4	13.2
55°	143.6	118.6	72.7	39.8	22.6	15.6	13.2	7.7	6.9	7.7	13.2
57.5°	136.3	117.0	71.2	37.4	21.0	14.1	10.8	5.3	6.0	5.3	10.8
60°	122.7	110.7	68.7	32.5	17.7	14.1	9.3	3.6	2.9	3.6	9.3
62.5°	107.4	104.1	63.9	29.5	16.5	10.8	6.0	2.0	1.2	2.0	6.0
65°	96.8	89.6	60.0	27.1	14.9	9.3	6.0	0.5	0.5	0.5	6.0
67.5°	92.0	78.4	51.8	24.6	12.0	7.7	4.4	0.5	1.2	0.5	4.4
70°	91.3	71.2	43.1	22.2	11.7	6.0	0.5	0.5	0.5	0.5	0.5
72.5°	88.9	69.6	37.4	19.8	8.9	3.6	0.5	0.5	0.5	0.5	0.5
75°	53.6	66.3	31.9	18.9	7.3	2.0	0.5	0.5	0.5	0.5	0.5
77.5°	18.1	40.7	26.2	17.4	5.7	1.2	0.5	0.5	0.5	0.5	0.5
80°	15.6	19.8	19.8	15.0	4.4	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	13.2	15.6	15.0	10.8	3.2	0.5	0.5	0.5	0.5	0.5	0.5
85°	10.8	13.2	10.8	8.4	1.7	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	9.3	10.2	9.3	5.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90°	8.0	8.0	7.7	4.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
92.5°	8.4	8.4	8.4	18.1	13.7	12.6	23.8	18.9	25.3	18.9	23.8
95°	8.4	10.2	14.1	61.5	52.0	29.5	39.1	35.0	42.2	35.0	39.1
97.5°	24.6	49.4	56.0	109.8	104.1	50.3	59.1	52.7	60.8	52.7	59.1
100°	66.3	115.5	101.0	186.1	154.4	73.6	79.9	71.2	79.3	71.2	79.9
102.5°	108.9	137.9	146.0	210.3	204.2	85.6	101.7	81.7	101.0	81.7	101.7
105°	154.8	183.7	191.0	264.9	254.8	145.1	125.1	112.2	120.3	112.2	125.1
107.5°	200.6	227.8	241.7	327.7	304.6	191.0	158.1	133.9	141.2	133.9	158.1
110°	246.5	279.4	301.8	388.7	354.9	239.9	194.3	155.6	165.3	155.6	194.3



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CATALOG NUMBER: AW-WB-1T5-UP

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	297.8	336.5	358.2	450.6	403.6	291.5	234.4	191.0	193.4	191.0	234.4
115°	354.2	396.8	417.7	510.0	450.6	343.7	279.4	228.7	230.3	228.7	279.4
117.5°	417.7	459.3	481.1	564.0	498.1	398.3	325.3	272.2	272.2	272.2	325.3
120°	478.0	523.6	545.4	621.1	543.8	452.1	376.6	316.3	315.6	316.3	376.6
122.5°	538.1	619.3	611.4	695.7	587.6	505.2	427.3	365.4	360.6	365.4	427.3
125°	600.9	650.7	670.0	719.2	629.4	528.5	478.7	386.3	411.3	386.3	478.7
127.5°	666.7	713.5	731.0	759.3	671.2	601.8	528.5	458.7	458.7	458.7	528.5
130°	730.4	775.3	784.1	794.7	711.0	650.7	577.6	507.6	509.2	507.6	577.6
132.5°	793.8	838.8	833.9	827.6	751.2	700.5	632.3	557.4	557.4	557.4	632.3
135°	857.4	891.9	880.7	861.4	789.8	747.9	681.2	610.5	609.7	610.5	681.2
137.5°	912.1	940.1	920.0	894.3	825.2	791.4	730.4	660.4	661.9	660.4	730.4
140°	960.1	981.2	962.5	924.8	860.6	835.7	776.2	713.5	711.9	713.5	776.2
142.5°	1001.1	1019.6	997.2	954.6	893.1	875.8	821.9	761.7	762.4	761.7	821.9
145°	1040.6	1072.7	1027.7	998.1	924.0	912.7	867.7	811.5	809.1	811.5	867.7
147.5°	1073.6	1086.5	1047.9	1006.8	953.0	928.1	910.3	832.4	857.4	832.4	910.3
150°	1104.1	1110.4	1062.4	1030.1	979.9	977.0	948.9	900.0	900.6	900.0	948.9
152.5°	1125.8	1124.9	1078.4	1048.5	1006.1	1004.4	983.6	941.7	942.6	941.7	983.6
155°	1139.4	1131.5	1092.9	1067.2	1028.9	1026.8	1015.6	981.8	983.6	981.8	1015.6
157.5°	1141.1	1137.0	1104.1	1084.1	1049.4	1047.0	1042.2	1018.0	1018.9	1018.0	1042.2
160°	1146.0	1141.8	1115.3	1096.8	1069.1	1063.9	1067.9	1049.4	1050.3	1049.4	1067.9
162.5°	1149.9	1146.0	1123.4	1110.4	1086.4	1079.9	1087.2	1073.6	1076.0	1073.6	1087.2
165°	1151.5	1148.4	1129.1	1121.0	1101.3	1092.9	1100.1	1095.9	1098.4	1095.9	1100.1
167.5°	1151.5	1146.6	1133.0	1133.9	1113.4	1103.2	1108.9	1112.8	1115.3	1112.8	1108.9
170°	1148.4	1146.0	1136.3	1137.0	1122.9	1108.9	1113.7	1118.5	1120.1	1118.5	1113.7
172.5°	1144.2	1144.2	1138.7	1140.3	1131.8	1121.8	1117.7	1122.5	1122.5	1122.5	1117.7
175°	1142.7	1141.1	1138.7	1141.1	1137.9	1128.2	1121.0	1122.5	1122.5	1122.5	1121.0
177.5°	1138.7	1136.3	1136.3	1141.1	1140.7	1133.0	1124.9	1126.7	1124.2	1126.7	1124.9
180°	1134.5	1134.5	1134.5	1134.5	1134.5	1134.5	1134.5	1134.5	1134.5	1134.5	1134.5



TEST NUMBER: 19098

CATALOG NUMBER: AW-WB-1T5-UP

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	32.7	32.7	32.7	32.7	32.7	32.7
2.5°	32.5	32.5	34.3	35.0	33.4	33.4
5°	31.9	33.4	33.4	33.4	33.4	33.4
7.5°	31.0	33.4	32.5	33.4	35.0	35.0
10°	31.9	32.2	33.4	33.4	35.0	36.7
12.5°	31.9	33.9	32.5	35.8	35.8	44.6
15°	30.1	33.1	33.4	35.8	46.4	56.0
17.5°	31.0	32.5	32.5	40.7	55.1	67.9
20°	31.0	32.6	33.4	46.4	67.2	76.0
22.5°	30.1	32.6	34.3	55.1	74.5	84.1
25°	29.5	31.0	33.4	60.8	81.7	92.9
27.5°	28.6	31.0	34.3	64.8	88.1	96.8
30°	27.7	31.3	34.3	69.6	93.8	107.4
32.5°	27.7	29.0	35.8	71.2	99.2	113.7
35°	26.2	29.4	37.4	75.1	103.4	118.6
37.5°	26.2	28.6	40.7	77.5	108.2	123.4
40°	23.8	27.4	43.1	78.4	109.8	130.0
42.5°	23.8	26.9	43.9	79.3	113.1	133.9
45°	22.2	26.9	43.9	78.4	116.1	139.4
47.5°	20.5	26.2	43.1	76.9	117.9	141.8
50°	18.9	25.4	42.2	76.9	119.4	144.2
52.5°	18.1	24.5	41.5	75.1	118.6	145.1
55°	15.6	22.6	39.8	72.7	118.6	143.6
57.5°	14.1	21.0	37.4	71.2	117.0	136.3
60°	14.1	17.7	32.5	68.7	110.7	122.7
62.5°	10.8	16.5	29.5	63.9	104.1	107.4
65°	9.3	14.9	27.1	60.0	89.6	96.8
67.5°	7.7	12.0	24.6	51.8	78.4	92.0
70°	6.0	11.7	22.2	43.1	71.2	91.3
72.5°	3.6	8.9	19.8	37.4	69.6	88.9
75°	2.0	7.3	18.9	31.9	66.3	53.6
77.5°	1.2	5.7	17.4	26.2	40.7	18.1
80°	0.5	4.4	15.0	19.8	19.8	15.6
82.5°	0.5	3.2	10.8	15.0	15.6	13.2
85°	0.5	1.7	8.4	10.8	13.2	10.8
87.5°	0.5	0.5	5.3	9.3	10.2	9.3
90°	0.5	0.5	4.4	7.7	8.0	8.0
92.5°	12.6	13.7	18.1	8.4	8.4	8.4
95°	29.5	52.0	61.5	14.1	10.2	8.4
97.5°	50.3	104.1	109.8	56.0	49.4	24.6
100°	73.6	154.4	186.1	101.0	115.5	66.3
102.5°	85.6	204.2	210.3	146.0	137.9	108.9
105°	145.1	254.8	264.9	191.0	183.7	154.8
107.5°	191.0	304.6	327.7	241.7	227.8	200.6
110°	239.9	354.9	388.7	301.8	279.4	246.5



TEST NUMBER: 19098

CATALOG NUMBER: AW-WB-1T5-UP

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	291.5	403.6	450.6	358.2	336.5	297.8
115°	343.7	450.6	510.0	417.7	396.8	354.2
117.5°	398.3	498.1	564.0	481.1	459.3	417.7
120°	452.1	543.8	621.1	545.4	523.6	478.0
122.5°	505.2	587.6	695.7	611.4	619.3	538.1
125°	528.5	629.4	719.2	670.0	650.7	600.9
127.5°	601.8	671.2	759.3	731.0	713.5	666.7
130°	650.7	711.0	794.7	784.1	775.3	730.4
132.5°	700.5	751.2	827.6	833.9	838.8	793.8
135°	747.9	789.8	861.4	880.7	891.9	857.4
137.5°	791.4	825.2	894.3	920.0	940.1	912.1
140°	835.7	860.6	924.8	962.5	981.2	960.1
142.5°	875.8	893.1	954.6	997.2	1019.6	1001.1
145°	912.7	924.0	998.1	1027.7	1072.7	1040.6
147.5°	928.1	953.0	1006.8	1047.9	1086.5	1073.6
150°	977.0	979.9	1030.1	1062.4	1110.4	1104.1
152.5°	1004.4	1006.1	1048.5	1078.4	1124.9	1125.8
155°	1026.8	1028.9	1067.2	1092.9	1131.5	1139.4
157.5°	1047.0	1049.4	1084.1	1104.1	1137.0	1141.1
160°	1063.9	1069.1	1096.8	1115.3	1141.8	1146.0
162.5°	1079.9	1086.4	1110.4	1123.4	1146.0	1149.9
165°	1092.9	1101.3	1121.0	1129.1	1148.4	1151.5
167.5°	1103.2	1113.4	1133.9	1133.0	1146.6	1151.5
170°	1108.9	1122.9	1137.0	1136.3	1146.0	1148.4
172.5°	1121.8	1131.8	1140.3	1138.7	1144.2	1144.2
175°	1128.2	1137.9	1141.1	1138.7	1141.1	1142.7
177.5°	1133.0	1140.7	1141.1	1136.3	1136.3	1138.7
180°	1134.5	1134.5	1134.5	1134.5	1134.5	1134.5

(END OF REPORT)