

Scaled data based on original data using
LM-66-11 Electrical and Photometric Measurements of Single-Ended Compact
Fluorescent Lamps

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: SHAPER

Report Number: 18645A

Luminaire Tested: **626-CF1/26**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 18645A
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 626-CF1/26
Description: FLUORESCENT WALL MOUNT LUMINAIRE WITH WHITE INTERIOR AND FLAT WHITE
PLASTIC LENS
Light Source: ONE 26 WATT CPFL LAMP. LUMEN RATING = 1800 LMS.

Ballast/Driver: -

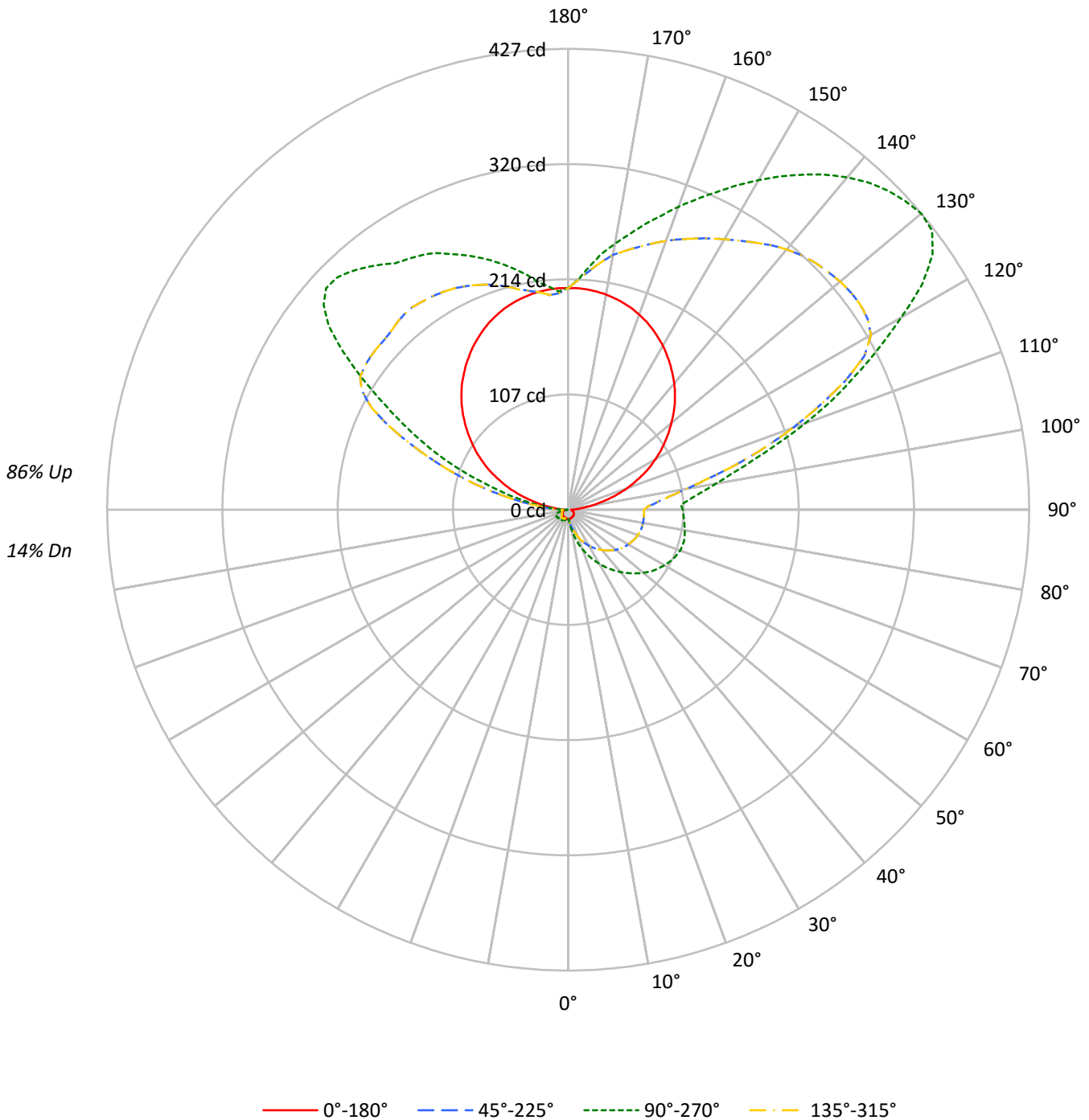
Summary

Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 1343.7 lumens
Efficiency: 74.7%
Efficacy: -
Spacing Criteria (0/90/45): 1.35 / 4.4 / 3.39
Luminous Opening: Rectangular w/ Sides (W: 0.08' x L: 0.67' x H: 0.21')
CIE Type: Semi-Indirect

Input Watts (W): 0
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





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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	50	30	10	50	30	10	50	30	10	0																			
RCR																																														
0	74	74	74	74	64	64	64	64	47	47	47	32	32	32	17	17	17	11																												
1	66	62	59	56	57	55	52	50	40	38	36	26	25	24	14	13	12	7																												
2	60	54	49	45	52	47	43	40	34	31	29	22	21	19	11	10	10	5																												
3	54	47	41	37	47	41	36	33	30	27	24	19	17	16	10	9	8	4																												
4	49	41	35	31	43	36	31	27	26	23	20	17	15	13	8	7	6	3																												
5	45	36	30	26	39	32	27	23	23	20	17	15	13	11	7	6	5	2																												
6	41	32	26	22	36	28	23	19	21	17	14	13	11	9	7	5	4	2																												
7	38	29	23	19	33	25	20	17	18	15	12	12	10	8	6	5	4	1																												
8	35	26	20	16	30	23	18	15	17	13	11	11	9	7	5	4	3	1																												
9	32	23	18	14	28	21	16	13	15	12	9	10	8	6	5	4	3	1																												
10	30	21	16	13	26	19	14	11	14	10	8	9	7	5	4	3	3	1																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	1707	1707	1707	1707
5°	1727	1902	1727	1344
10°	1662	2732	1662	1227
15°	1592	3588	1592	1172
20°	1554	4295	1554	1126
25°	1508	4842	1508	1076
30°	1492	5347	1492	1042
35°	1488	5779	1488	1002
40°	1515	6164	1515	958
45°	1557	6534	1557	917
50°	1569	6879	1569	893
55°	1572	7203	1572	907
60°	1562	7451	1562	898
65°	1563	7698	1563	889
70°	1514	7893	1514	837
75°	1538	7984	1538	661
80°	1541	7985	1541	386
85°	1559	8004	1559	111



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	1.0	0.1	0.1
10°-20°	4.1	0.3	0.2
20°-30°	9.3	0.7	0.5
30°-40°	15.8	1.2	0.9
40°-50°	22.7	1.7	1.3
50°-60°	29.2	2.2	1.6
60°-70°	34.4	2.6	1.9
70°-80°	37.2	2.8	2.1
80°-90°	37.3	2.8	2.1
90°-100°	52.8	3.9	2.9
100°-110°	117.3	8.7	6.5
110°-120°	189.3	14.1	10.5
120°-130°	224.9	16.7	12.5
130°-140°	205.6	15.3	11.4
140°-150°	162.7	12.1	9.0
150°-160°	114.3	8.5	6.4
160°-170°	65.5	4.9	3.6
170°-180°	20.4	1.5	1.1
0°-30°	14.4	1.1	0.8
0°-40°	30.1	2.2	1.7
0°-60°	82.0	6.1	4.6
0°-90°	190.9	14.2	10.6
90°-120°	359.4	26.7	20.0
90°-150°	952.6	70.9	52.9
90°-180°	1153.0	85.8	64.1
0°-180°	1343.7	100.0	74.7

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8	8	8	8	8	
5°	9	12	9	8	9	1
15°	8	29	8	10	8	2
25°	8	49	8	11	8	4
35°	7	67	7	12	7	5
45°	7	83	7	12	7	6
55°	6	98	6	12	6	6
65°	6	107	6	12	6	5
75°	4	111	4	9	4	4
85°	3	108	3	2	3	3
90°	3	106	3	1	3	2
95°	9	113	9	15	9	10
105°	39	177	39	63	39	41
115°	76	293	76	149	76	75
125°	109	412	109	254	109	98
135°	140	418	140	304	140	108
145°	165	379	165	279	165	103
155°	185	325	185	261	185	85
165°	198	274	198	236	198	56
175°	205	226	205	208	205	19
180°	205	205	205	205	205	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
2.5°	8.9	8.9	8.8	8.8	8.6	8.8	8.8	8.9	8.9	8.6	8.3
5°	8.8	9.2	10.3	11.4	11.6	11.4	10.3	9.2	8.8	8.5	8.1
7.5°	8.8	9.9	12.7	14.5	15.2	14.5	12.7	9.9	8.8	8.3	7.9
10°	8.6	10.8	15.2	18.3	19.6	18.3	15.2	10.8	8.6	8.2	7.9
12.5°	8.5	12.0	17.8	22.4	24.2	22.4	17.8	12.0	8.5	7.9	7.8
15°	8.3	13.1	20.7	26.7	29.4	26.7	20.7	13.1	8.3	7.9	8.1
17.5°	8.2	14.2	23.6	31.3	34.4	31.3	23.6	14.2	8.2	7.8	8.3
20°	8.1	15.3	26.9	35.8	39.3	35.8	26.9	15.3	8.1	7.8	8.6
22.5°	8.0	16.5	30.1	40.0	44.0	40.0	30.1	16.5	8.0	7.8	9.1
25°	7.8	17.6	33.0	44.1	48.6	44.1	33.0	17.6	7.8	7.8	9.3
27.5°	7.8	18.7	35.8	48.2	53.3	48.2	35.8	18.7	7.8	7.8	9.5
30°	7.6	19.9	38.5	52.2	58.0	52.2	38.5	19.9	7.6	7.9	9.3
32.5°	7.5	20.9	41.4	56.1	62.6	56.1	41.4	20.9	7.5	7.9	9.3
35°	7.4	21.9	44.0	60.0	66.9	60.0	44.0	21.9	7.4	7.8	9.2
37.5°	7.4	23.1	46.4	63.7	71.3	63.7	46.4	23.1	7.4	7.8	9.5
40°	7.3	24.2	48.7	67.3	75.3	67.3	48.7	24.2	7.3	7.5	9.2
42.5°	7.3	25.3	51.2	70.8	79.4	70.8	51.2	25.3	7.3	7.2	9.1
45°	7.2	26.3	53.5	74.3	83.4	74.3	53.5	26.3	7.2	6.8	8.6
47.5°	7.1	27.1	55.6	77.6	87.3	77.6	55.6	27.1	7.1	6.2	8.2
50°	6.9	27.9	57.8	80.8	90.9	80.8	57.8	27.9	6.9	5.8	7.8
52.5°	6.7	28.5	59.6	83.6	94.4	83.6	59.6	28.5	6.7	5.6	7.5
55°	6.5	29.1	61.5	86.4	97.7	86.4	61.5	29.1	6.5	5.3	7.2
57.5°	6.2	29.6	62.9	88.6	100.4	88.6	62.9	29.6	6.2	5.0	7.0
60°	6.0	30.1	64.3	90.8	102.9	90.8	64.3	30.1	6.0	4.7	6.8
62.5°	5.8	30.4	65.5	92.9	105.3	92.9	65.5	30.4	5.8	4.4	6.5
65°	5.5	30.8	66.8	94.7	107.4	94.7	66.8	30.8	5.5	4.1	6.4
67.5°	5.1	31.0	67.8	96.2	109.1	96.2	67.8	31.0	5.1	4.0	6.2
70°	4.8	31.2	68.6	97.5	110.4	97.5	68.6	31.2	4.8	3.8	6.1
72.5°	4.5	31.2	69.3	98.6	111.1	98.6	69.3	31.2	4.5	3.7	6.0
75°	4.3	31.3	69.9	99.3	111.1	99.3	69.9	31.3	4.3	3.4	5.8
77.5°	3.9	31.2	70.3	99.7	110.5	99.7	70.3	31.2	3.9	3.3	5.8
80°	3.7	31.0	70.4	100.0	109.7	100.0	70.4	31.0	3.7	3.1	5.7
82.5°	3.4	30.9	70.4	100.0	108.6	100.0	70.4	30.9	3.4	2.9	5.4
85°	3.1	30.6	70.3	99.7	107.7	99.7	70.3	30.6	3.1	2.7	5.3
87.5°	2.7	30.4	70.3	99.6	106.9	99.6	70.3	30.4	2.7	2.6	5.0
90°	2.7	30.1	69.9	99.0	106.2	99.0	69.9	30.1	2.7	3.1	5.8
92.5°	5.4	37.5	74.6	99.1	104.4	99.1	74.6	37.5	5.4	7.9	11.7
95°	9.0	44.5	83.5	107.2	113.4	107.2	83.5	44.5	9.0	20.0	19.1
97.5°	14.8	59.5	94.7	117.5	124.7	117.5	94.7	59.5	14.8	36.4	30.2
100°	22.2	86.3	111.0	131.1	138.8	131.1	111.0	86.3	22.2	57.7	45.5
102.5°	29.8	114.0	132.1	148.0	155.5	148.0	132.1	114.0	29.8	79.1	64.0
105°	38.8	145.1	160.9	170.2	177.4	170.2	160.9	145.1	38.8	97.7	86.1
107.5°	48.4	169.1	190.2	196.5	203.2	196.5	190.2	169.1	48.4	108.4	107.9
110°	57.9	181.6	221.1	227.3	233.2	227.3	221.1	181.6	57.9	116.7	131.8



TEST NUMBER: 18645A
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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°	66.8	190.2	252.1	256.8	263.8	256.8	252.1	190.2	66.8	123.6	156.4
115°	75.9	196.6	283.4	286.9	293.3	286.9	283.4	196.6	75.9	129.9	182.8
117.5°	84.9	201.0	309.5	319.1	324.6	319.1	309.5	201.0	84.9	137.8	205.7
120°	93.1	204.5	323.8	351.1	356.0	351.1	323.8	204.5	93.1	146.4	220.7
122.5°	101.5	207.4	328.9	379.0	388.8	379.0	328.9	207.4	101.5	154.3	228.4
125°	109.3	209.8	330.6	395.7	411.9	395.7	330.6	209.8	109.3	159.9	230.6
127.5°	117.3	211.9	330.3	401.8	424.8	401.8	330.3	211.9	117.3	165.2	231.5
130°	124.8	214.1	328.8	401.0	426.8	401.0	328.8	214.1	124.8	169.9	231.9
132.5°	132.4	216.6	326.4	397.9	423.4	397.9	326.4	216.6	132.4	174.6	231.9
135°	139.6	219.0	323.6	393.3	418.3	393.3	323.6	219.0	139.6	178.5	232.8
137.5°	146.4	221.3	319.7	387.3	411.3	387.3	319.7	221.3	146.4	181.9	234.9
140°	152.9	222.9	314.8	379.0	402.0	379.0	314.8	222.9	152.9	185.0	236.3
142.5°	158.7	224.4	308.9	369.6	391.3	369.6	308.9	224.4	158.7	187.6	236.7
145°	164.6	225.8	302.0	358.9	379.0	358.9	302.0	225.8	164.6	190.2	235.4
147.5°	170.0	227.3	295.6	348.3	366.2	348.3	295.6	227.3	170.0	192.3	234.3
150°	175.4	228.7	289.3	336.2	352.6	336.2	289.3	228.7	175.4	193.9	232.8
152.5°	180.1	229.8	283.4	323.5	338.8	323.5	283.4	229.8	180.1	195.2	230.8
155°	184.7	230.6	277.2	312.8	324.6	312.8	277.2	230.6	184.7	196.3	228.2
157.5°	188.8	230.6	271.1	301.6	311.4	301.6	271.1	230.6	188.8	197.3	225.2
160°	192.3	230.0	265.1	290.9	298.7	290.9	265.1	230.0	192.3	198.3	222.0
162.5°	195.6	228.6	258.5	279.7	285.5	279.7	258.5	228.6	195.6	199.4	218.2
165°	198.3	226.4	252.0	269.3	273.6	269.3	252.0	226.4	198.3	199.8	213.7
167.5°	200.5	223.4	245.8	258.4	261.2	258.4	245.8	223.4	200.5	199.3	208.9
170°	202.4	220.1	239.8	249.0	250.3	249.0	239.8	220.1	202.4	198.5	205.8
172.5°	203.8	216.3	231.1	239.2	239.4	239.2	231.1	216.3	203.8	198.7	203.2
175°	204.8	212.8	221.9	227.0	226.0	227.0	221.9	212.8	204.8	200.4	199.7
177.5°	205.5	209.3	212.8	214.8	213.4	214.8	212.8	209.3	205.5	202.9	200.6
180°	205.3	205.3	205.3	205.3	205.3	205.3	205.3	205.3	205.3	205.3	205.3



TEST NUMBER: 18645A
 CATALOG NUMBER: 626-CF1/26

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	8.5	8.5	8.5	8.5	8.5	8.5
2.5°	8.2	8.1	8.2	8.3	8.6	8.9
5°	8.1	8.2	8.1	8.1	8.5	8.8
7.5°	8.1	8.5	8.1	7.9	8.3	8.8
10°	8.2	8.8	8.2	7.9	8.2	8.6
12.5°	8.5	9.2	8.5	7.8	7.9	8.5
15°	8.8	9.6	8.8	8.1	7.9	8.3
17.5°	9.2	10.0	9.2	8.3	7.8	8.2
20°	9.6	10.3	9.6	8.6	7.8	8.1
22.5°	10.0	10.5	10.0	9.1	7.8	8.0
25°	10.1	10.8	10.1	9.3	7.8	7.8
27.5°	10.5	11.1	10.5	9.5	7.8	7.8
30°	10.7	11.3	10.7	9.3	7.9	7.6
32.5°	10.8	11.4	10.8	9.3	7.9	7.5
35°	10.7	11.6	10.7	9.2	7.8	7.4
37.5°	10.7	11.6	10.7	9.5	7.8	7.4
40°	10.7	11.7	10.7	9.2	7.5	7.3
42.5°	10.5	11.7	10.5	9.1	7.2	7.3
45°	10.4	11.7	10.4	8.6	6.8	7.2
47.5°	10.4	11.8	10.4	8.2	6.2	7.1
50°	10.3	11.8	10.3	7.8	5.8	6.9
52.5°	10.1	12.1	10.1	7.5	5.6	6.7
55°	10.0	12.3	10.0	7.2	5.3	6.5
57.5°	9.9	12.3	9.9	7.0	5.0	6.2
60°	9.7	12.4	9.7	6.8	4.7	6.0
62.5°	9.6	12.4	9.6	6.5	4.4	5.8
65°	9.3	12.4	9.3	6.4	4.1	5.5
67.5°	9.1	12.1	9.1	6.2	4.0	5.1
70°	8.6	11.7	8.6	6.1	3.8	4.8
72.5°	8.3	10.8	8.3	6.0	3.7	4.5
75°	7.9	9.2	7.9	5.8	3.4	4.3
77.5°	7.5	7.0	7.5	5.8	3.3	3.9
80°	7.2	5.3	7.2	5.7	3.1	3.7
82.5°	6.9	3.3	6.9	5.4	2.9	3.4
85°	6.4	1.5	6.4	5.3	2.7	3.1
87.5°	5.8	0.5	5.8	5.0	2.6	2.7
90°	6.2	1.2	6.2	5.8	3.1	2.7
92.5°	12.3	8.5	12.3	11.7	7.9	5.4
95°	18.9	15.3	18.9	19.1	20.0	9.0
97.5°	26.6	23.5	26.6	30.2	36.4	14.8
100°	38.3	34.1	38.3	45.5	57.7	22.2
102.5°	51.9	47.2	51.9	64.0	79.1	29.8
105°	68.9	62.9	68.9	86.1	97.7	38.8
107.5°	88.8	80.9	88.8	107.9	108.4	48.4
110°	112.1	103.7	112.1	131.8	116.7	57.9



TEST NUMBER: 18645A
 CATALOG NUMBER: 626-CF1/26

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	134.1	126.8	134.1	156.4	123.6	66.8
115°	156.9	149.1	156.9	182.8	129.9	75.9
117.5°	182.6	172.6	182.6	205.7	137.8	84.9
120°	209.5	197.5	209.5	220.7	146.4	93.1
122.5°	237.9	225.6	237.9	228.4	154.3	101.5
125°	261.2	253.8	261.2	230.6	159.9	109.3
127.5°	277.1	279.4	277.1	231.5	165.2	117.3
130°	284.1	295.7	284.1	231.9	169.9	124.8
132.5°	284.4	304.0	284.4	231.9	174.6	132.4
135°	281.4	303.7	281.4	232.8	178.5	139.6
137.5°	277.1	299.1	277.1	234.9	181.9	146.4
140°	271.9	292.9	271.9	236.3	185.0	152.9
142.5°	266.7	286.2	266.7	236.7	187.6	158.7
145°	265.1	278.9	265.1	235.4	190.2	164.6
147.5°	263.3	275.5	263.3	234.3	192.3	170.0
150°	260.5	272.2	260.5	232.8	193.9	175.4
152.5°	255.2	268.2	255.2	230.8	195.2	180.1
155°	250.3	261.4	250.3	228.2	196.3	184.7
157.5°	245.4	255.5	245.4	225.2	197.3	188.8
160°	239.7	249.3	239.7	222.0	198.3	192.3
162.5°	233.5	242.6	233.5	218.2	199.4	195.6
165°	227.1	235.6	227.1	213.7	199.8	198.3
167.5°	220.6	228.2	220.6	208.9	199.3	200.5
170°	213.4	220.9	213.4	205.8	198.5	202.4
172.5°	207.7	212.6	207.7	203.2	198.7	203.8
175°	203.8	207.7	203.8	199.7	200.4	204.8
177.5°	200.3	202.3	200.3	200.6	202.9	205.5
180°	205.3	205.3	205.3	205.3	205.3	205.3

(END OF REPORT)