

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: 19163A

Luminaire Tested: **607-CF2/26**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 19163A
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 607-CF2/26
Description: INTERIOR WALL MOUNT LUMINAIRE WITH WHITE INTERIOR AND WHITE PLASTIC LENS
Light Source: TWO 26 WATT CPFL LAMPS. LUMEN RATING = 3600 LMS.

Ballast/Driver: -

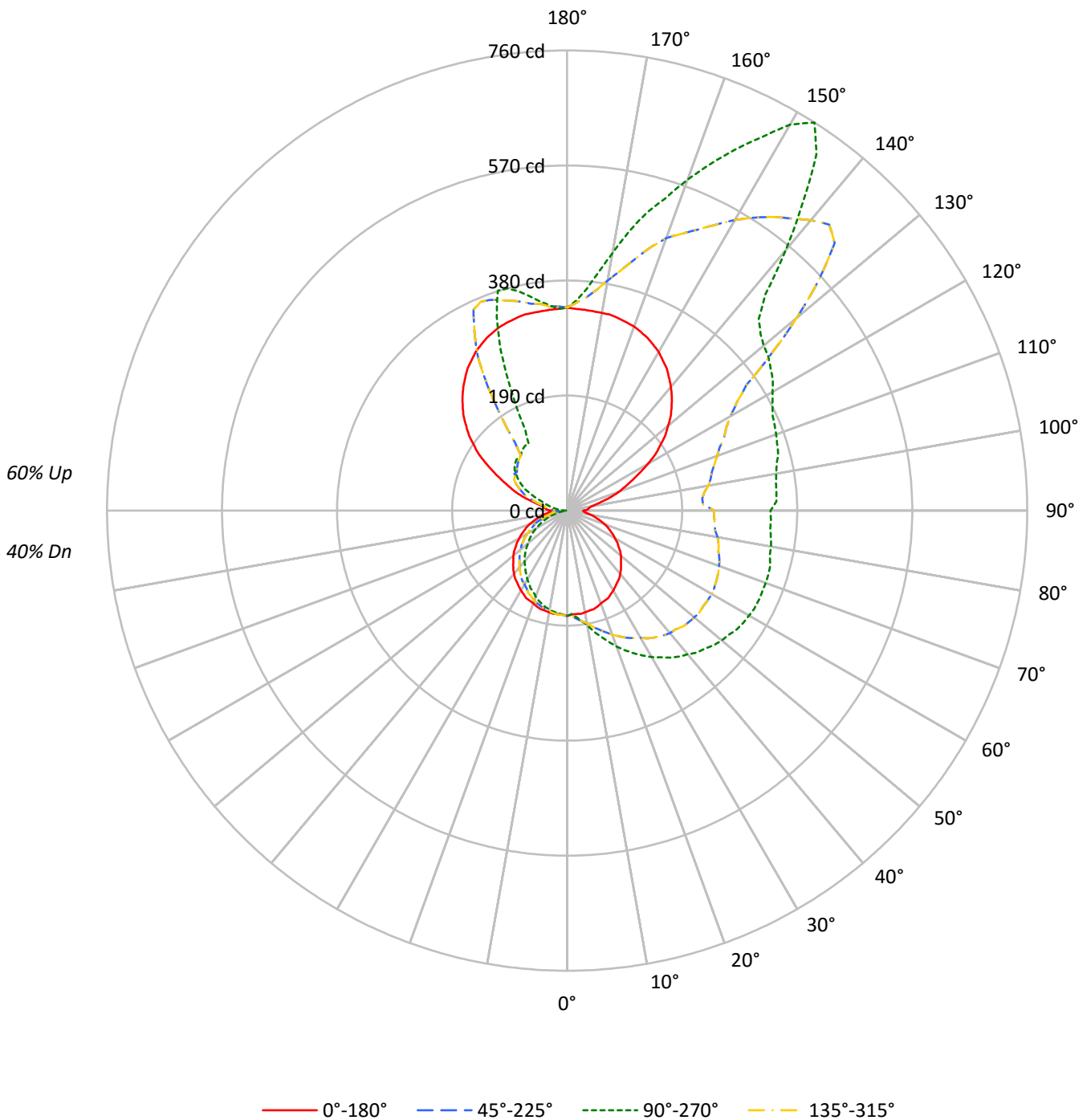
Summary

Lumens per Lamp: 3600 (1 lamp)
Luminaire Lumens: 2474.3 lumens
Efficiency: 68.7%
Efficacy: -
Spacing Criteria (0/90/45): 1.3 / 1.79 / 1.8
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 1.27' x H: 0.42')
CIE Type: General Diffuse

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	0
RCR																		
0	72	72	72	72	66	66	66	66	54	54	54	42	42	42	32	32	32	28
1	64	60	57	54	58	55	52	49	44	42	40	35	33	32	26	25	24	20
2	57	52	47	43	52	47	43	39	38	35	32	29	27	25	22	20	19	15
3	52	45	39	35	47	41	36	32	33	29	26	25	23	20	19	17	15	12
4	47	39	33	29	43	36	30	26	29	25	22	22	19	17	16	14	13	10
5	43	35	29	24	39	31	26	22	25	21	18	20	17	14	14	12	11	8
6	40	31	25	21	36	28	23	19	23	19	16	18	15	12	13	11	9	7
7	36	28	22	18	33	25	20	16	20	16	14	16	13	11	12	10	8	6
8	34	25	19	16	30	23	18	14	18	15	12	14	12	9	11	9	7	5
9	31	23	17	14	28	21	16	13	17	13	10	13	10	8	10	8	6	5
10	29	21	16	12	26	19	14	11	15	12	9	12	9	7	9	7	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5091	5091	5091	5091
5°	4890	4606	4890	4424
10°	4787	4539	4787	3934
15°	4683	4691	4683	3485
20°	4530	4861	4530	3085
25°	4462	4999	4462	2737
30°	4316	5137	4316	2417
35°	4180	5252	4180	2127
40°	4071	5337	4071	1879
45°	3914	5436	3914	1649
50°	3780	5561	3780	1404
55°	3579	5679	3579	1209
60°	3382	5779	3382	981
65°	3172	5883	3172	782
70°	2959	5988	2959	566
75°	2618	6123	2618	368
80°	2335	6247	2335	184
85°	2084	6436	2084	48



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	16.8	0.7	0.5
10°-20°	51.5	2.1	1.4
20°-30°	86.1	3.5	2.4
30°-40°	117.0	4.7	3.2
40°-50°	140.2	5.7	3.9
50°-60°	153.3	6.2	4.3
60°-70°	154.4	6.2	4.3
70°-80°	144.2	5.8	4.0
80°-90°	130.4	5.3	3.6
90°-100°	129.1	5.2	3.6
100°-110°	148.8	6.0	4.1
110°-120°	182.6	7.4	5.1
120°-130°	212.6	8.6	5.9
130°-140°	241.0	9.7	6.7
140°-150°	236.7	9.6	6.6
150°-160°	185.3	7.5	5.1
160°-170°	110.7	4.5	3.1
170°-180°	33.6	1.4	0.9
0°-30°	154.4	6.2	4.3
0°-40°	271.3	11.0	7.5
0°-60°	564.8	22.8	15.7
0°-90°	993.9	40.2	27.6
90°-120°	460.5	18.6	12.8
90°-150°	1150.8	46.5	32.0
90°-180°	1480.0	59.8	41.1
0°-180°	2474.3	100.0	68.7

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	174	174	174	174	174	
5°	172	177	172	170	172	16
15°	168	215	168	160	168	47
25°	160	260	160	142	160	73
35°	144	296	144	120	144	91
45°	126	322	126	98	126	97
55°	103	342	103	73	103	93
65°	78	349	78	46	78	78
75°	52	347	52	21	52	55
85°	30	337	30	2	30	26
90°	27	336	27	0	27	16
95°	35	347	35	10	35	30
105°	62	361	62	32	62	67
115°	119	374	119	68	119	119
125°	188	410	188	102	188	168
135°	244	448	244	119	244	188
145°	287	718	287	126	287	179
155°	314	658	314	218	314	145
165°	329	509	329	380	329	93
175°	333	367	333	340	333	32
180°	335	335	335	335	335	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2
2.5°	171.8	175.0	174.4	176.5	170.9	176.5	174.4	175.0	171.8	172.4	172.4
5°	171.5	176.5	179.5	180.5	176.9	180.5	179.5	176.5	171.5	172.0	172.4
7.5°	172.0	177.5	184.0	186.9	184.0	186.9	184.0	177.5	172.0	168.5	170.9
10°	170.7	179.5	188.9	195.8	192.0	195.8	188.9	179.5	170.7	168.5	168.9
12.5°	169.2	180.9	196.5	204.4	204.8	204.4	196.5	180.9	169.2	167.1	167.1
15°	168.5	184.0	203.4	216.9	215.2	216.9	203.4	184.0	168.5	165.0	164.0
17.5°	166.4	186.5	210.3	227.3	226.9	227.3	210.3	186.5	166.4	163.0	161.6
20°	163.2	186.9	218.3	236.3	238.7	236.3	218.3	186.9	163.2	160.5	158.5
22.5°	161.2	189.3	224.8	247.7	249.7	247.7	224.8	189.3	161.2	156.0	153.6
25°	159.7	190.9	231.8	257.3	259.7	257.3	231.8	190.9	159.7	155.0	150.9
27.5°	155.7	193.4	237.3	266.7	269.7	266.7	237.3	193.4	155.7	150.9	145.0
30°	152.3	194.8	242.8	274.2	279.5	274.2	242.8	194.8	152.3	147.5	140.5
32.5°	148.5	196.5	250.1	284.0	287.1	284.0	250.1	196.5	148.5	142.2	137.7
35°	144.3	196.9	255.2	291.6	296.5	291.6	255.2	196.9	144.3	137.1	133.2
37.5°	141.3	195.4	260.1	297.1	304.0	297.1	260.1	195.4	141.3	134.0	127.1
40°	136.3	195.4	264.2	305.5	309.9	305.5	264.2	195.4	136.3	129.7	122.6
42.5°	131.6	196.9	265.7	311.0	317.9	311.0	265.7	196.9	131.6	122.6	116.6
45°	126.0	195.4	270.6	315.0	322.0	315.0	270.6	195.4	126.0	118.7	111.1
47.5°	120.4	193.0	272.6	321.4	328.9	321.4	272.6	193.0	120.4	113.6	106.2
50°	115.9	193.0	274.2	324.0	333.4	324.0	274.2	193.0	115.9	108.3	100.7
52.5°	110.4	190.3	275.7	327.5	336.9	327.5	275.7	190.3	110.4	102.8	95.2
55°	103.4	187.9	274.6	332.0	342.0	332.0	274.6	187.9	103.4	95.2	88.3
57.5°	98.5	185.4	275.7	333.8	344.9	333.8	275.7	185.4	98.5	90.3	83.2
60°	91.0	180.9	275.7	335.9	346.9	335.9	275.7	180.9	91.0	82.8	74.8
62.5°	85.2	176.5	274.2	336.9	348.9	336.9	274.2	176.5	85.2	76.8	70.3
65°	78.4	174.0	272.2	335.5	349.3	335.5	272.2	174.0	78.4	71.7	62.3
67.5°	72.6	169.5	270.1	334.8	348.9	334.8	270.1	169.5	72.6	63.8	57.4
70°	66.1	165.0	267.1	333.8	348.9	333.8	267.1	165.0	66.1	57.4	50.9
72.5°	58.4	158.1	263.6	333.8	348.9	333.8	263.6	158.1	58.4	50.9	43.4
75°	51.8	152.6	258.7	331.4	347.3	331.4	258.7	152.6	51.8	44.8	37.9
77.5°	45.4	149.1	256.3	328.5	342.8	328.5	256.3	149.1	45.4	39.5	30.9
80°	39.9	143.6	252.2	325.9	342.0	325.9	252.2	143.6	39.9	33.0	26.4
82.5°	32.4	138.1	246.3	322.4	339.3	322.4	246.3	138.1	32.4	28.5	20.5
85°	29.7	135.0	244.6	318.9	336.9	318.9	244.6	135.0	29.7	23.4	17.4
87.5°	26.9	132.6	243.2	318.9	336.9	318.9	243.2	132.6	26.9	23.0	15.0
90°	26.7	131.5	242.8	318.5	335.9	318.5	242.8	131.5	26.7	21.9	14.0
92.5°	33.7	107.3	224.8	306.5	345.9	306.5	224.8	107.3	33.7	28.9	20.9
95°	34.7	112.8	223.8	308.1	346.9	308.1	223.8	112.8	34.7	34.0	27.0
97.5°	37.8	117.7	228.3	310.6	347.9	310.6	228.3	117.7	37.8	38.9	31.9
100°	41.4	123.2	236.7	313.4	350.4	313.4	236.7	123.2	41.4	44.8	38.5
102.5°	49.9	127.7	242.8	317.9	354.4	317.9	242.8	127.7	49.9	53.4	43.4
105°	62.0	134.0	247.7	325.5	360.8	325.5	247.7	134.0	62.0	62.8	53.0
107.5°	76.8	144.0	255.2	330.4	363.8	330.4	255.2	144.0	76.8	67.2	62.8
110°	91.0	172.4	263.6	333.0	367.3	333.0	263.6	172.4	91.0	67.9	73.8



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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°	103.5	219.3	272.6	337.5	370.8	337.5	272.6	219.3	103.5	68.3	80.3
115°	118.7	267.7	286.1	346.5	374.2	346.5	286.1	267.7	118.7	71.3	87.7
117.5°	135.8	308.5	296.1	358.9	382.2	358.9	296.1	308.5	135.8	75.8	94.8
120°	153.5	326.5	311.0	370.8	391.8	370.8	311.0	326.5	153.5	78.3	101.1
122.5°	172.7	342.0	332.0	380.8	402.6	380.8	332.0	342.0	172.7	90.3	102.8
125°	187.7	352.8	361.4	389.1	410.2	389.1	361.4	352.8	187.7	116.2	106.2
127.5°	204.6	366.3	424.7	395.3	418.7	395.3	424.7	366.3	204.6	153.0	104.6
130°	217.6	375.9	494.9	408.7	423.6	408.7	494.9	375.9	217.6	192.0	108.3
132.5°	232.1	383.2	563.7	428.5	433.0	428.5	563.7	383.2	232.1	226.9	111.1
135°	244.0	390.2	624.9	473.4	447.5	473.4	624.9	390.2	244.0	256.7	114.2
137.5°	255.8	394.7	640.8	547.1	484.5	547.1	640.8	394.7	255.8	287.1	116.2
140°	266.7	400.8	625.9	622.9	561.2	622.9	625.9	400.8	266.7	303.0	118.7
142.5°	276.4	402.6	608.0	691.7	638.4	691.7	608.0	402.6	276.4	312.0	141.1
145°	286.9	403.2	592.0	729.2	717.6	729.2	592.0	403.2	286.9	319.9	190.3
147.5°	294.0	399.1	573.7	705.7	760.0	705.7	573.7	399.1	294.0	324.4	245.2
150°	302.3	395.7	554.3	671.9	736.1	671.9	554.3	395.7	302.3	328.9	296.1
152.5°	308.5	390.2	532.2	639.4	695.1	639.4	532.2	390.2	308.5	329.5	331.0
155°	314.4	384.9	512.4	607.6	658.4	607.6	512.4	384.9	314.4	331.4	365.9
157.5°	319.0	379.8	494.5	574.7	620.0	574.7	494.5	379.8	319.0	334.8	373.2
160°	323.4	375.9	479.0	541.8	581.6	541.8	479.0	375.9	323.4	335.9	370.4
162.5°	326.0	369.8	455.1	511.8	541.2	511.8	455.1	369.8	326.0	337.9	364.2
165°	328.7	361.8	429.2	482.0	509.4	482.0	429.2	361.8	328.7	336.9	358.9
167.5°	331.2	357.9	405.3	447.1	472.0	447.1	405.3	357.9	331.2	338.3	353.4
170°	331.4	351.8	385.7	414.7	431.6	414.7	385.7	351.8	331.4	336.5	346.9
172.5°	331.9	348.9	366.9	384.2	396.7	384.2	366.9	348.9	331.9	338.9	344.4
175°	332.9	344.4	352.8	360.8	367.3	360.8	352.8	344.4	332.9	338.3	338.3
177.5°	333.4	340.4	343.4	342.8	346.9	342.8	343.4	340.4	333.4	336.9	337.5
180°	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2	335.2



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	174.2	174.2	174.2	174.2	174.2	174.2
2.5°	174.4	172.0	174.4	172.4	172.4	171.8
5°	171.6	169.9	171.6	172.4	172.0	171.5
7.5°	170.5	168.5	170.5	170.9	168.5	172.0
10°	169.9	166.4	169.9	168.9	168.5	170.7
12.5°	165.4	163.6	165.4	167.1	167.1	169.2
15°	164.0	159.9	164.0	164.0	165.0	168.5
17.5°	159.9	156.0	159.9	161.6	163.0	166.4
20°	154.6	151.5	154.6	158.5	160.5	163.2
22.5°	151.5	145.6	151.5	153.6	156.0	161.2
25°	146.0	142.2	146.0	150.9	155.0	159.7
27.5°	140.5	136.0	140.5	145.0	150.9	155.7
30°	135.0	131.5	135.0	140.5	147.5	152.3
32.5°	131.5	125.6	131.5	137.7	142.2	148.5
35°	126.6	120.1	126.6	133.2	137.1	144.3
37.5°	119.7	114.6	119.7	127.1	134.0	141.3
40°	114.2	109.1	114.2	122.6	129.7	136.3
42.5°	109.7	103.8	109.7	116.6	122.6	131.6
45°	104.2	97.7	104.2	111.1	118.7	126.0
47.5°	98.3	91.3	98.3	106.2	113.6	120.4
50°	90.3	84.2	90.3	100.7	108.3	115.9
52.5°	84.8	78.7	84.8	95.2	102.8	110.4
55°	79.3	72.8	79.3	88.3	95.2	103.4
57.5°	72.8	66.8	72.8	83.2	90.3	98.5
60°	67.9	58.9	67.9	74.8	82.8	91.0
62.5°	60.9	53.0	60.9	70.3	76.8	85.2
65°	54.8	46.4	54.8	62.3	71.7	78.4
67.5°	48.5	39.5	48.5	57.4	63.8	72.6
70°	41.9	33.0	41.9	50.9	57.4	66.1
72.5°	34.0	27.4	34.0	43.4	50.9	58.4
75°	28.5	20.9	28.5	37.9	44.8	51.8
77.5°	21.5	16.0	21.5	30.9	39.5	45.4
80°	16.0	10.1	16.0	26.4	33.0	39.9
82.5°	12.5	6.0	12.5	20.5	28.5	32.4
85°	7.4	2.5	7.4	17.4	23.4	29.7
87.5°	7.0	0.5	7.0	15.0	23.0	26.9
90°	5.6	0.5	5.6	14.0	21.9	26.7
92.5°	11.9	5.6	11.9	20.9	28.9	33.7
95°	17.0	10.5	17.0	27.0	34.0	34.7
97.5°	21.9	16.0	21.9	31.9	38.9	37.8
100°	28.9	21.5	28.9	38.5	44.8	41.4
102.5°	34.0	27.0	34.0	43.4	53.4	49.9
105°	40.9	31.9	40.9	53.0	62.8	62.0
107.5°	47.4	38.9	47.4	62.8	67.2	76.8
110°	56.8	44.8	56.8	73.8	67.9	91.0



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	67.9	56.8	67.9	80.3	68.3	103.5
115°	78.3	68.3	78.3	87.7	71.3	118.7
117.5°	87.3	80.3	87.3	94.8	75.8	135.8
120°	93.2	87.7	93.2	101.1	78.3	153.5
122.5°	101.7	95.6	101.7	102.8	90.3	172.7
125°	107.3	102.2	107.3	106.2	116.2	187.7
127.5°	112.8	109.1	112.8	104.6	153.0	204.6
130°	114.6	113.6	114.6	108.3	192.0	217.6
132.5°	117.1	116.2	117.1	111.1	226.9	232.1
135°	117.1	118.7	117.1	114.2	256.7	244.0
137.5°	117.7	118.7	117.7	116.2	287.1	255.8
140°	121.5	118.7	121.5	118.7	303.0	266.7
142.5°	124.6	123.6	124.6	141.1	312.0	276.4
145°	125.2	126.0	125.2	190.3	319.9	286.9
147.5°	126.6	127.7	126.6	245.2	324.4	294.0
150°	146.6	127.1	146.6	296.1	328.9	302.3
152.5°	203.8	149.5	203.8	331.0	329.5	308.5
155°	272.6	218.3	272.6	365.9	331.4	314.4
157.5°	325.9	286.1	325.9	373.2	334.8	319.0
160°	368.3	340.0	368.3	370.4	335.9	323.4
162.5°	381.8	380.8	381.8	364.2	337.9	326.0
165°	373.2	379.8	373.2	358.9	336.9	328.7
167.5°	364.2	370.8	364.2	353.4	338.3	331.2
170°	355.3	359.8	355.3	346.9	336.5	331.4
172.5°	347.3	348.9	347.3	344.4	338.9	331.9
175°	337.9	340.4	337.9	338.3	338.3	332.9
177.5°	333.0	333.4	333.0	337.5	336.9	333.4
180°	335.2	335.2	335.2	335.2	335.2	335.2

(END OF REPORT)