

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: 16787

Luminaire Tested: **606-CF2/26-120SSB-MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-66-11  
Report Number: 16787  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 606-CF2/26-120SSB-MW  
Description: WALL MOUNT LUMINAIRE  
WITH WHITE INTERIOR AND WHITE LENS  
Light Source: TWO SYLVANIA 26 WATT CPFL LAMPS  
  
CF26DD/E/841. LUMEN RATING = 3650 LMS.  
  
Ballast/Driver: -

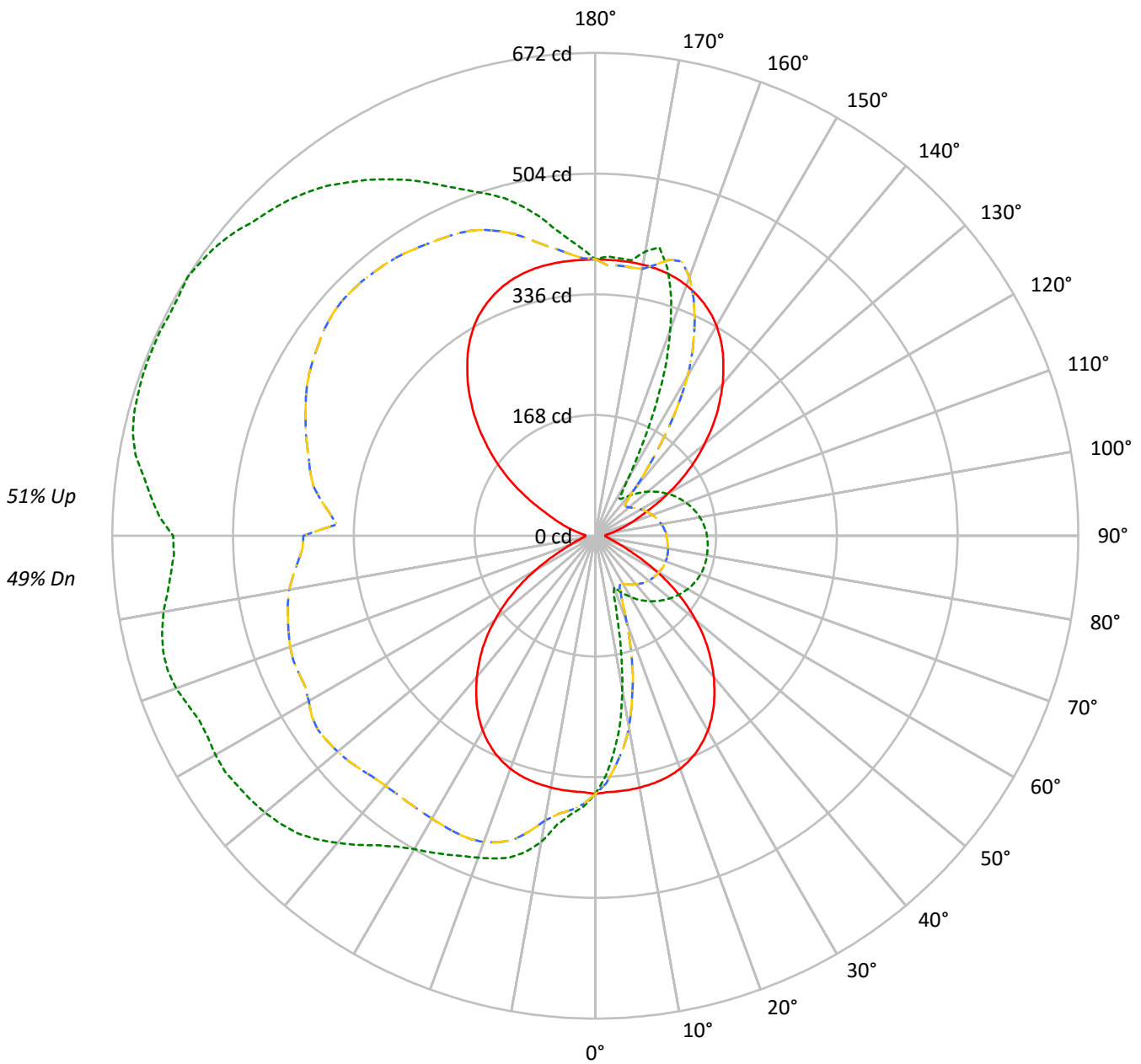
**Summary**

Lumens per Lamp: 3650 (1 lamp)  
Luminaire Lumens: 3372.6 lumens  
Efficiency: 92.4%  
Efficacy: 64.9 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.54  
Luminous Opening: (L: 0 ' x W: -1.58 ' x H: 0 '  
CIE Type: General Diffuse  
  
Input Watts (W): 52  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



— 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	99	99	99	99	91	91	91	91	76	76	76		63	63	63		51	51	51	45
1	87	81	76	72	79	75	70	66	62	59	56		50	48	46		40	38	36	31
2	78	69	62	56	71	63	57	52	53	48	44		42	39	36		33	30	28	24
3	70	60	52	46	64	55	48	42	45	40	35		37	32	29		28	25	23	19
4	64	52	44	38	58	48	41	35	40	34	29		32	28	24		25	22	19	15
5	58	46	38	32	53	42	35	29	35	29	25		28	24	20		22	19	16	13
6	54	41	33	27	49	38	31	25	31	26	21		25	21	17		20	16	14	11
7	49	37	29	24	45	34	27	22	28	23	19		23	19	15		18	15	12	9
8	46	34	26	21	42	31	24	19	26	20	16		21	17	13		17	13	11	8
9	43	30	23	18	39	28	21	17	24	18	14		19	15	12		15	12	9	7
10	40	28	21	16	36	26	19	15	22	16	13		18	14	11		14	11	8	7

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.			
5°				
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	33.1	1.0	0.9
10°-20°	89.7	2.7	2.5
20°-30°	134.4	4.0	3.7
30°-40°	173.9	5.2	4.8
40°-50°	210.8	6.3	5.8
50°-60°	238.3	7.1	6.5
60°-70°	250.6	7.4	6.9
70°-80°	258.7	7.7	7.1
80°-90°	252.1	7.5	6.9
90°-100°	241.2	7.2	6.6
100°-110°	248.1	7.4	6.8
110°-120°	244.8	7.3	6.7
120°-130°	238.4	7.1	6.5
130°-140°	226.0	6.7	6.2
140°-150°	205.3	6.1	5.6
150°-160°	174.7	5.2	4.8
160°-170°	115.1	3.4	3.2
170°-180°	37.3	1.1	1.0
0°-30°	257.2	7.6	7.0
0°-40°	431.2	12.8	11.8
0°-60°	880.3	26.1	24.1
0°-90°	1641.6	48.7	45.0
90°-120°	734.1	21.8	20.1
90°-150°	1403.8	41.6	38.5
90°-180°	1731.0	51.3	47.4
0°-180°	3372.6	100.0	92.4

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	359	359	359	359	359	
5°	357	301	357	389	357	34
15°	352	116	352	464	352	100
25°	332	87	332	490	332	153
35°	288	109	288	526	288	179
45°	222	128	222	586	222	170
55°	140	142	140	607	140	125
65°	59	153	59	608	59	61
75°	26	157	26	623	26	28
85°	15	157	15	593	15	13
90°	14	155	14	588	14	8
95°	16	152	16	620	16	14
105°	35	142	35	664	35	38
115°	77	126	77	669	77	79
125°	157	106	157	668	157	140
135°	238	84	238	640	238	183
145°	310	62	310	600	310	193
155°	357	196	357	541	357	164
165°	379	387	379	486	379	107
175°	384	388	384	413	384	37
180°	385	385	385	385	385	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3
2.5°	357.2	349.1	344.6	338.8	334.5	338.8	344.6	349.1	357.2	364.2	373.6
5°	357.2	338.0	321.6	307.8	301.1	307.8	321.6	338.0	357.2	371.2	383.2
7.5°	356.8	325.3	298.1	274.9	263.8	274.9	298.1	325.3	356.8	376.4	390.1
10°	355.8	310.7	270.2	229.8	216.0	229.8	270.2	310.7	355.8	380.4	402.3
12.5°	354.5	297.0	234.9	187.4	166.3	187.4	234.9	297.0	354.5	382.8	421.2
15°	352.4	281.3	202.0	138.7	116.4	138.7	202.0	281.3	352.4	385.0	437.9
17.5°	349.4	264.4	163.1	98.5	84.2	98.5	163.1	264.4	349.4	389.0	447.4
20°	345.2	243.8	126.9	79.4	76.7	79.4	126.9	243.8	345.2	395.5	453.8
22.5°	339.5	219.5	96.2	78.8	81.6	78.8	96.2	219.5	339.5	400.4	456.6
25°	332.5	199.0	79.4	82.9	87.0	82.9	79.4	199.0	332.5	401.2	456.6
27.5°	323.4	174.9	75.0	87.8	92.8	87.8	75.0	174.9	323.4	396.7	455.7
30°	313.2	149.3	77.3	92.6	98.3	92.6	77.3	149.3	313.2	386.9	454.7
32.5°	301.0	125.0	80.1	97.2	103.9	97.2	80.1	125.0	301.0	371.8	453.8
35°	287.5	103.4	82.9	102.0	109.1	102.0	82.9	103.4	287.5	355.8	453.3
37.5°	272.0	83.7	85.5	106.3	114.2	106.3	85.5	83.7	272.0	340.2	453.3
40°	256.5	70.7	88.0	110.7	118.8	110.7	88.0	70.7	256.5	328.3	454.2
42.5°	239.1	62.9	90.7	114.7	123.4	114.7	90.7	62.9	239.1	318.6	456.3
45°	221.8	61.0	93.2	118.3	127.7	118.3	93.2	61.0	221.8	309.4	460.4
47.5°	202.8	60.8	95.3	121.7	131.8	121.7	95.3	60.8	202.8	300.5	464.7
50°	182.1	60.4	97.2	125.0	135.5	125.0	97.2	60.4	182.1	291.6	467.7
52.5°	161.6	59.9	98.5	128.0	139.1	128.0	98.5	59.9	161.6	283.5	469.8
55°	140.4	59.7	99.9	130.7	142.5	130.7	99.9	59.7	140.4	274.6	471.2
57.5°	118.9	59.1	100.9	133.1	145.5	133.1	100.9	59.1	118.9	264.6	467.7
60°	96.8	58.6	101.8	135.3	148.5	135.3	101.8	58.6	96.8	254.6	460.4
62.5°	76.4	57.8	102.9	137.2	150.9	137.2	102.9	57.8	76.4	248.3	454.9
65°	58.8	57.0	103.7	139.1	152.8	139.1	103.7	57.0	58.8	244.4	454.7
67.5°	46.4	56.1	104.2	140.4	154.7	140.4	104.2	56.1	46.4	239.5	454.7
70°	37.5	55.0	104.2	141.5	156.1	141.5	104.2	55.0	37.5	232.4	451.9
72.5°	30.8	54.0	104.2	142.1	157.1	142.1	104.2	54.0	30.8	224.7	447.4
75°	25.9	52.9	103.9	142.3	157.4	142.3	103.9	52.9	25.9	217.9	442.8
77.5°	21.8	51.6	103.4	142.3	157.7	142.3	103.4	51.6	21.8	210.9	438.2
80°	19.0	50.2	102.9	141.7	157.7	141.7	102.9	50.2	19.0	205.4	432.3
82.5°	16.6	48.8	101.8	141.5	157.4	141.5	101.8	48.8	16.6	199.8	423.9
85°	14.8	47.3	100.9	141.2	157.1	141.2	100.9	47.3	14.8	193.3	415.2
87.5°	14.0	45.8	99.9	140.4	156.3	140.4	99.9	45.8	14.0	183.3	407.7
90°	14.4	44.5	98.5	139.3	155.2	139.3	98.5	44.5	14.4	182.0	406.1
92.5°	13.6	45.4	98.5	138.2	154.4	138.2	98.5	45.4	13.6	151.5	359.9
95°	15.7	44.5	96.6	136.3	152.2	136.3	96.6	44.5	15.7	160.6	371.5
97.5°	18.5	44.3	95.3	133.9	150.4	133.9	95.3	44.3	18.5	160.4	385.6
100°	23.1	43.4	93.4	131.8	147.7	131.8	93.4	43.4	23.1	165.5	398.2
102.5°	28.0	42.6	91.5	129.3	144.9	129.3	91.5	42.6	28.0	174.1	406.1
105°	34.8	42.1	89.3	126.4	141.7	126.4	89.3	42.1	34.8	183.1	412.6
107.5°	43.0	41.3	87.0	123.1	138.2	123.1	87.0	41.3	43.0	193.0	420.4
110°	53.2	40.8	84.6	119.6	134.2	119.6	84.6	40.8	53.2	203.6	429.1



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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°	63.7	40.8	81.8	115.9	130.1	115.9	81.8	40.8	63.7	213.3	436.4
115°	77.2	41.0	79.4	112.1	126.1	112.1	79.4	41.0	77.2	223.2	444.6
117.5°	95.3	42.6	76.4	107.8	121.5	107.8	76.4	42.6	95.3	232.4	452.3
120°	115.4	48.1	73.4	103.7	116.6	103.7	73.4	48.1	115.4	240.8	458.7
122.5°	136.6	64.2	70.2	99.0	111.5	99.0	70.2	64.2	136.6	250.8	463.9
125°	157.3	87.8	67.2	94.7	106.3	94.7	67.2	87.8	157.3	260.5	469.0
127.5°	178.1	119.3	64.0	89.9	100.9	89.9	64.0	119.3	178.1	272.5	474.4
130°	198.2	153.9	61.5	84.8	95.6	84.8	61.5	153.9	198.2	284.3	478.2
132.5°	218.4	191.2	59.3	79.7	89.6	79.7	59.3	191.2	218.4	298.7	480.6
135°	238.3	225.5	58.6	74.5	83.7	74.5	58.6	225.5	238.3	312.9	480.6
137.5°	257.0	258.4	62.3	70.0	77.8	70.0	62.3	258.4	257.0	328.1	480.4
140°	275.7	291.4	84.8	65.6	72.1	65.6	84.8	291.4	275.7	343.1	478.9
142.5°	292.5	318.9	120.4	61.5	67.2	61.5	120.4	318.9	292.5	357.7	477.6
145°	309.6	346.7	165.3	61.0	62.3	61.0	165.3	346.7	309.6	371.5	475.5
147.5°	324.1	368.0	212.2	81.8	61.8	81.8	212.2	368.0	324.1	382.8	472.0
150°	337.5	381.8	257.3	124.1	87.4	124.1	257.3	381.8	337.5	392.6	468.8
152.5°	348.3	387.7	293.5	175.8	135.3	175.8	293.5	387.7	348.3	399.1	465.8
155°	357.3	387.7	327.0	233.9	195.5	233.9	327.0	387.7	357.3	401.7	463.0
157.5°	364.7	385.0	357.5	284.3	255.6	284.3	357.5	385.0	364.7	401.7	459.2
160°	370.9	382.6	382.8	323.8	304.9	323.8	382.8	382.6	370.9	400.2	453.1
162.5°	375.6	382.6	400.2	362.6	350.4	362.6	400.2	382.6	375.6	398.5	444.4
165°	379.1	383.7	397.8	392.6	386.6	392.6	397.8	383.7	379.1	396.9	434.7
167.5°	381.5	385.6	386.1	403.1	411.2	403.1	386.1	385.6	381.5	394.4	422.5
170°	383.0	386.4	377.2	389.6	401.7	389.6	377.2	386.4	383.0	392.0	410.9
172.5°	383.8	385.8	376.6	377.4	386.6	377.4	376.6	385.8	383.8	389.6	401.7
175°	384.2	384.7	377.4	378.5	387.5	378.5	377.4	384.7	384.2	387.7	393.1
177.5°	384.2	384.7	377.0	378.8	389.0	378.8	377.0	384.7	384.2	386.4	386.6
180°	384.9	384.9	384.9	384.9	384.9	384.9	384.9	384.9	384.9	384.9	384.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	359.3	359.3	359.3	359.3	359.3	359.3
2.5°	379.6	377.2	379.6	373.6	364.2	357.2
5°	390.1	389.0	390.1	383.2	371.2	357.2
7.5°	402.8	405.3	402.8	390.1	376.4	356.8
10°	427.9	432.6	427.9	402.3	380.4	355.8
12.5°	448.5	451.0	448.5	421.2	382.8	354.5
15°	461.7	463.9	461.7	437.9	385.0	352.4
17.5°	469.8	470.9	469.8	447.4	389.0	349.4
20°	474.4	476.8	474.4	453.8	395.5	345.2
22.5°	479.3	482.5	479.3	456.6	400.4	339.5
25°	484.1	489.6	484.1	456.6	401.2	332.5
27.5°	489.8	496.5	489.8	455.7	396.7	323.4
30°	494.6	503.6	494.6	454.7	386.9	313.2
32.5°	501.2	513.0	501.2	453.8	371.8	301.0
35°	509.5	525.9	509.5	453.3	355.8	287.5
37.5°	521.6	542.4	521.6	453.3	340.2	272.0
40°	536.2	558.1	536.2	454.2	328.3	256.5
42.5°	548.9	573.2	548.9	456.3	318.6	239.1
45°	560.2	585.7	560.2	460.4	309.4	221.8
47.5°	568.6	593.5	568.6	464.7	300.5	202.8
50°	573.5	599.7	573.5	467.7	291.6	182.1
52.5°	577.3	604.0	577.3	469.8	283.5	161.6
55°	580.5	607.2	580.5	471.2	274.6	140.4
57.5°	581.9	610.8	581.9	467.7	264.6	118.9
60°	578.6	610.2	578.6	460.4	254.6	96.8
62.5°	573.7	607.6	573.7	454.9	248.3	76.4
65°	575.4	607.8	575.4	454.7	244.4	58.8
67.5°	580.2	614.0	580.2	454.7	239.5	46.4
70°	583.4	620.7	583.4	451.9	232.4	37.5
72.5°	584.6	623.7	584.6	447.4	224.7	30.8
75°	584.3	622.6	584.3	442.8	217.9	25.9
77.5°	580.0	617.5	580.0	438.2	210.9	21.8
80°	573.2	610.0	573.2	432.3	205.4	19.0
82.5°	564.9	599.9	564.9	423.9	199.8	16.6
85°	558.3	592.6	558.3	415.2	193.3	14.8
87.5°	552.4	586.8	552.4	407.7	183.3	14.0
90°	552.7	587.5	552.7	406.1	182.0	14.4
92.5°	530.0	607.0	530.0	359.9	151.5	13.6
95°	542.2	620.5	542.2	371.5	160.6	15.7
97.5°	555.7	633.7	555.7	385.6	160.4	18.5
100°	571.6	649.9	571.6	398.2	165.5	23.1
102.5°	581.6	659.1	581.6	406.1	174.1	28.0
105°	586.4	664.2	586.4	412.6	183.1	34.8
107.5°	588.3	666.4	588.3	420.4	193.0	43.0
110°	591.1	668.3	591.1	429.1	203.6	53.2





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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	594.5	668.8	594.5	436.4	213.3	63.7
115°	595.4	669.0	595.4	444.6	223.2	77.2
117.5°	596.7	667.5	596.7	452.3	232.4	95.3
120°	601.8	668.8	601.8	458.7	240.8	115.4
122.5°	601.3	671.8	601.3	463.9	250.8	136.6
125°	599.4	667.9	599.4	469.0	260.5	157.3
127.5°	596.7	663.4	596.7	474.4	272.5	178.1
130°	591.3	656.3	591.3	478.2	284.3	198.2
132.5°	588.1	646.4	588.1	480.6	298.7	218.4
135°	584.0	640.0	584.0	480.6	312.9	238.3
137.5°	577.6	632.9	577.6	480.4	328.1	257.0
140°	570.3	623.9	570.3	478.9	343.1	275.7
142.5°	560.8	613.7	560.8	477.6	357.7	292.5
145°	550.8	600.3	550.8	475.5	371.5	309.6
147.5°	540.3	587.5	540.3	472.0	382.8	324.1
150°	529.5	572.7	529.5	468.8	392.6	337.5
152.5°	517.1	558.1	517.1	465.8	399.1	348.3
155°	503.0	541.3	503.0	463.0	401.7	357.3
157.5°	491.4	525.2	491.4	459.2	401.7	364.7
160°	481.9	510.9	481.9	453.1	400.2	370.9
162.5°	472.0	498.7	472.0	444.4	398.5	375.6
165°	459.2	486.2	459.2	434.7	396.9	379.1
167.5°	443.9	469.5	443.9	422.5	394.4	381.5
170°	427.9	451.7	427.9	410.9	392.0	383.0
172.5°	410.1	430.4	410.1	401.7	389.6	383.8
175°	396.7	413.4	396.7	393.1	387.7	384.2
177.5°	385.6	399.1	385.6	386.6	386.4	384.2
180°	384.9	384.9	384.9	384.9	384.9	384.9

(END OF REPORT)