

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: P593937

Luminaire Tested: **WP1150LPC**

Issue Date: 3/1/2022

Test Information

Test Method: LM-79-08
Report Number: P593937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27788-R2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/1/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: WP1150LPC
Description: LED WALL PACK
Light Source: (24) 5000K, 85 CRI LEDS
Ballast/Driver: _ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1180 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.19' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U3 - G2

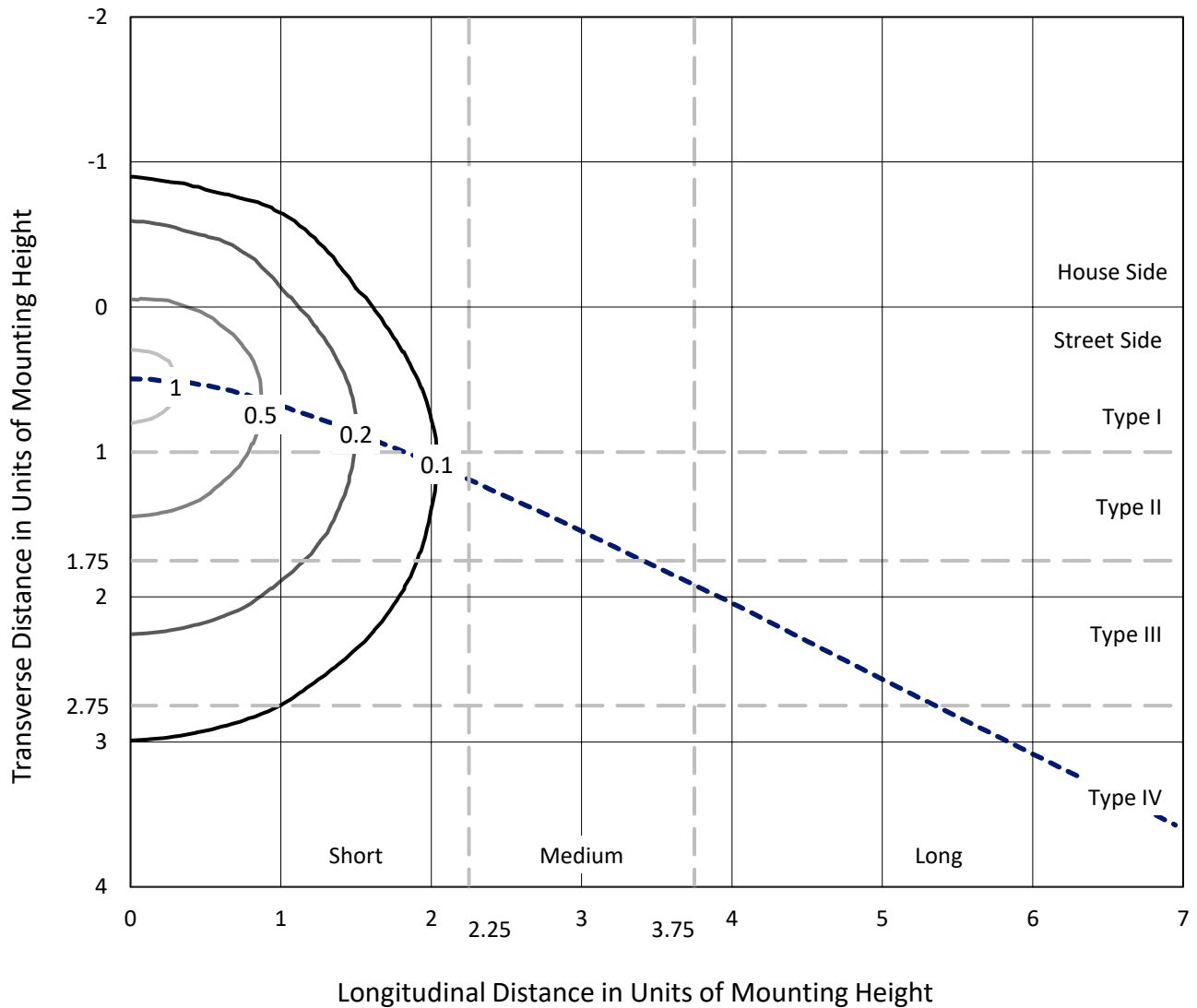
Input Watts (W): 13.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

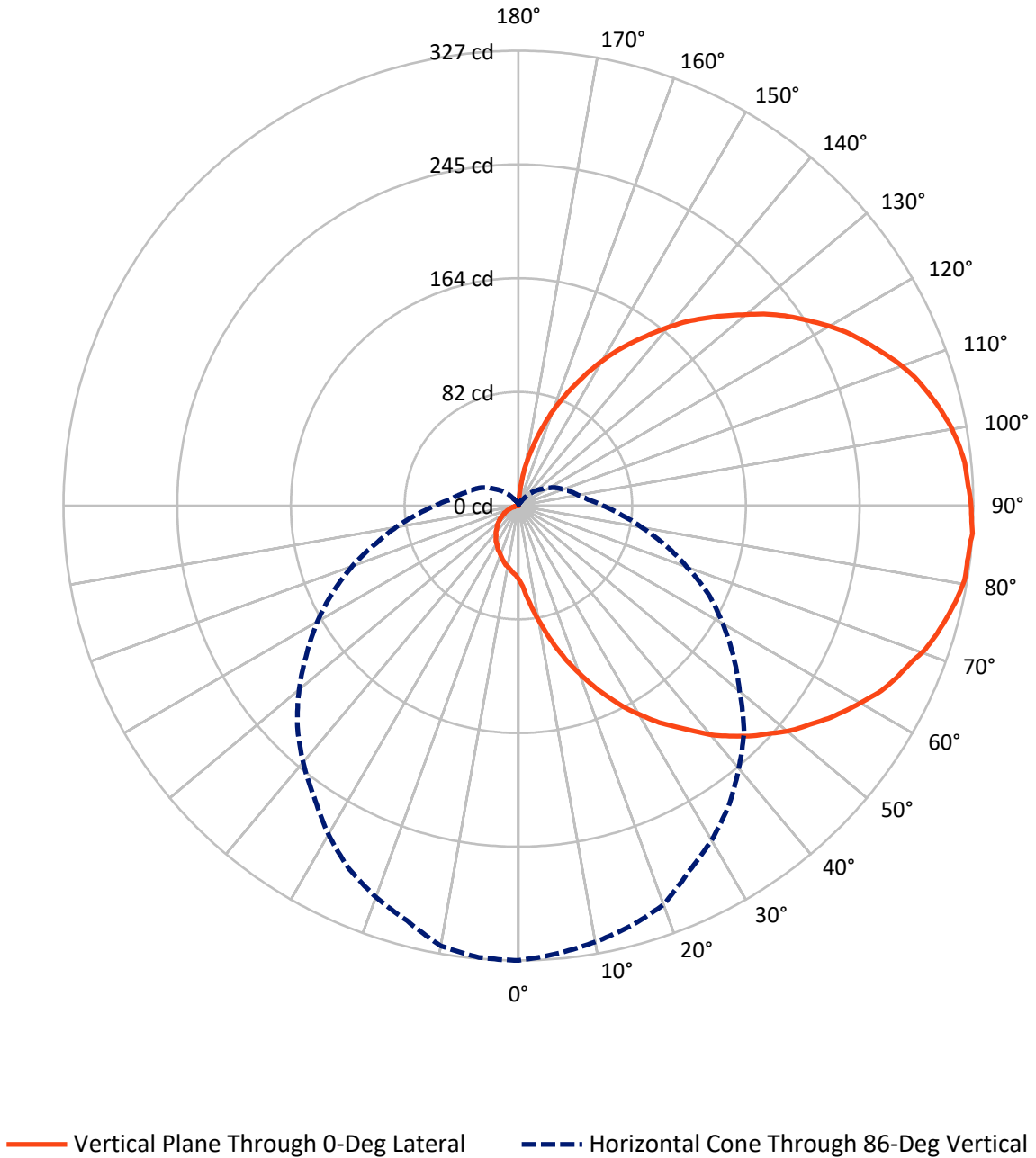
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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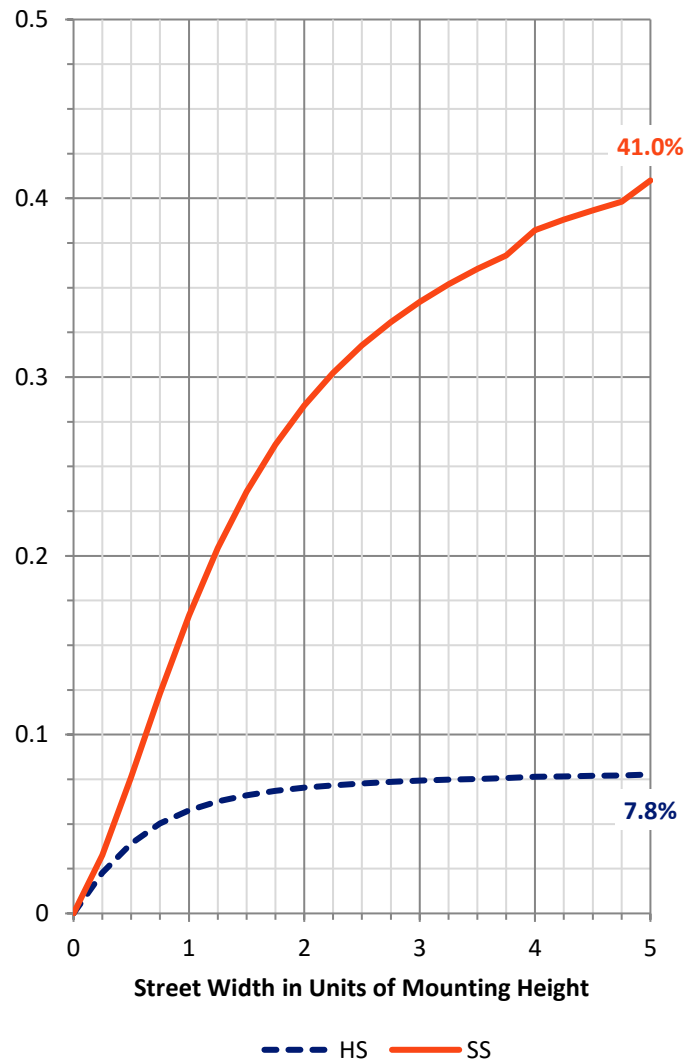
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	95.3	39.9	135.1
	% Fixture	8.1	3.4	11.5
Street Side	Lumens	567.6	477.2	1044.8
	% Fixture	48.1	40.4	88.5
Total	Lumens	662.9	517.1	1180.0
	% Fixture	56.2	43.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.5
10°-20°	19.5	1.7
20°-30°	37.4	3.2
30°-40°	57.7	4.9
40°-50°	78.8	6.7
50°-60°	98.4	8.3
60°-70°	114.1	9.7
70°-80°	124.2	10.5
80°-90°	127.2	10.8
90°-100°	124.1	10.5
100°-110°	114.2	9.7
110°-120°	97.1	8.2
120°-130°	75.4	6.4
130°-140°	52.8	4.5
140°-150°	32.2	2.7
150°-160°	15.8	1.3
160°-170°	5.0	0.4
170°-180°	0.4	0.0
0°-90°	662.9	56.2
0°-180°	1180.0	100.0



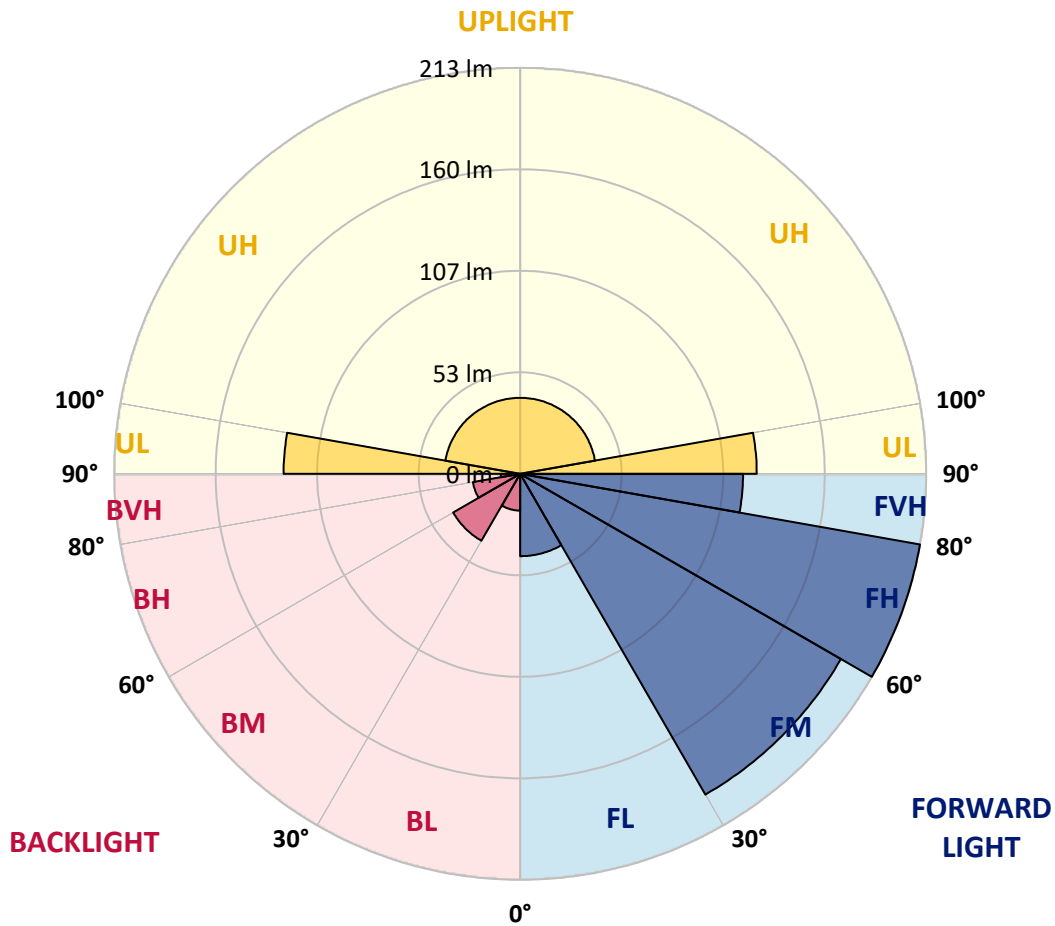
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	43.2	3.7			
FM (30°-60°)	194.4	16.5			
FH (60°-80°)	213.1	18.1			G0/660
FVH (80°-90°)	116.9	9.9			G2/225
BL (0°-30°)	19.3	1.6	B0/110		
BM (30°-60°)	40.6	3.4	B0/220		
BH (60°-80°)	25.2	2.1	B0/110		G0/110
BVH (80°-90°)	10.2	0.9			G1/100
UL (90°-100°)	124.1	10.5		U3/500	
UH (100°-180°)	39.9	3.4		U2/50	

BUG Rating: B0-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	57.9	56.9	57.9	58.8	56.9	56.9	56.0	56.0	56.0	56.0	56.0
5°	66.4	65.5	66.4	66.4	65.5	64.5	63.6	63.6	62.6	61.7	61.7
7.5°	75.9	75.0	75.9	75.9	74.0	73.1	71.2	71.2	70.2	68.3	67.4
10°	85.4	84.4	85.4	85.4	83.5	81.6	79.7	78.8	77.8	75.0	73.1
12.5°	96.8	94.9	95.8	95.8	93.9	92.0	89.2	88.2	85.4	82.5	80.7
15°	108.2	107.2	107.2	107.2	104.4	102.5	99.6	97.7	94.9	91.1	88.2
17.5°	119.6	118.6	118.6	118.6	115.8	112.9	109.1	107.2	103.4	98.7	94.9
20°	130.9	129.0	130.0	130.0	126.2	122.4	118.6	116.7	112.0	107.2	102.5
22.5°	142.3	140.4	140.4	139.5	137.6	132.8	128.1	125.2	120.5	114.8	109.1
25°	153.7	152.8	151.8	150.9	148.0	143.3	137.6	134.7	129.0	122.4	115.8
27.5°	165.1	162.3	163.2	161.3	158.5	151.8	148.0	143.3	137.6	130.9	123.3
30°	175.5	173.6	173.6	172.7	168.9	162.3	156.6	152.8	146.1	138.5	130.0
32.5°	186.0	184.1	183.1	181.2	178.4	170.8	165.1	161.3	153.7	145.2	136.6
35°	195.5	194.5	192.6	190.7	187.9	179.3	173.6	168.9	161.3	152.8	142.3
37.5°	205.9	204.0	203.1	201.2	197.4	188.8	182.2	177.4	168.9	159.4	149.0
40°	217.3	213.5	212.5	210.6	205.9	197.4	190.7	185.0	176.5	166.0	154.7
42.5°	226.8	224.9	223.9	222.0	215.4	205.9	199.3	192.6	183.1	172.7	160.4
45°	236.3	234.4	233.4	230.6	225.8	216.3	206.8	200.2	189.8	178.4	166.0
47.5°	244.8	242.9	241.0	239.1	234.4	223.9	216.3	206.8	196.4	184.1	170.8
50°	254.3	251.4	249.5	246.7	242.0	230.6	223.0	213.5	202.1	189.8	175.5
52.5°	261.9	260.0	258.1	255.2	249.5	238.2	229.6	222.0	207.8	194.5	180.3
55°	270.4	267.6	265.7	262.8	257.1	245.7	236.3	227.7	213.5	199.3	185.0
57.5°	278.0	276.1	273.3	270.4	263.8	252.4	242.0	233.4	220.1	204.0	188.8
60°	285.6	282.8	279.9	277.1	270.4	258.1	247.6	238.2	224.9	208.7	192.6
62.5°	293.2	289.4	285.6	282.8	277.1	263.8	253.3	242.9	229.6	212.5	195.5
65°	298.9	296.0	292.2	288.4	282.8	269.5	258.1	247.6	233.4	215.4	199.3
67.5°	303.6	301.7	297.9	294.1	287.5	273.3	262.8	251.4	236.3	221.1	202.1
70°	310.3	307.4	303.6	299.8	293.2	278.0	266.6	255.2	240.1	223.9	204.0
72.5°	315.0	312.2	307.4	303.6	297.0	281.8	270.4	258.1	242.0	225.8	205.9
75°	318.8	316.0	311.2	307.4	299.8	285.6	273.3	260.9	243.9	227.7	206.8
77.5°	322.6	319.8	315.0	310.3	302.7	288.4	276.1	262.8	246.7	229.6	207.8
80°	325.5	321.7	316.9	312.2	304.6	289.4	277.1	263.8	247.6	230.6	208.7
82.5°	325.5	323.6	317.9	313.1	305.5	290.3	277.1	263.8	247.6	229.6	208.7
85°	326.4	323.6	317.9	313.1	305.5	290.3	277.1	263.8	246.7	229.6	207.8
86°	327.3	323.6	318.8	313.1	305.5	290.3	278.0	263.8	246.7	229.6	207.8
87.5°	326.4	323.6	317.9	313.1	305.5	290.3	278.0	263.8	245.7	229.6	207.8
90°	325.5	322.6	316.9	312.2	304.6	289.4	276.1	262.8	244.8	228.7	206.8
92.5°	323.6	320.7	315.0	310.3	303.6	288.4	275.2	260.9	243.9	226.8	204.9
95°	322.6	318.8	313.1	308.4	300.8	286.5	273.3	260.0	242.0	225.8	204.0
97.5°	319.8	316.0	310.3	305.5	298.9	283.7	271.4	257.1	240.1	223.9	202.1
100°	316.0	313.1	307.4	301.7	295.1	281.8	268.5	254.3	237.2	222.0	200.2
102.5°	311.2	308.4	302.7	297.9	291.3	278.0	265.7	250.5	234.4	219.2	197.4
105°	305.5	302.7	297.0	292.2	285.6	272.3	260.0	245.7	229.6	213.5	193.6
107.5°	299.8	296.0	291.3	285.6	279.9	267.6	256.2	242.0	225.8	208.7	190.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	292.2	289.4	283.7	279.9	273.3	260.9	249.5	236.3	220.1	204.9	186.0
112.5°	283.7	281.8	276.1	272.3	266.6	254.3	243.9	229.6	213.5	199.3	181.2
115°	275.2	272.3	267.6	261.9	258.1	246.7	236.3	223.0	206.8	193.6	176.5
117.5°	266.6	263.8	259.0	255.2	249.5	239.1	228.7	214.4	200.2	187.9	170.8
120°	256.2	254.3	249.5	245.7	241.0	230.6	220.1	206.8	193.6	181.2	165.1
122.5°	245.7	243.9	240.1	235.3	231.5	221.1	210.6	198.3	186.0	174.6	158.5
125°	235.3	233.4	229.6	224.9	221.1	210.6	202.1	190.7	178.4	167.9	151.8
127.5°	223.9	222.0	218.2	212.5	209.7	201.2	192.6	182.2	170.8	160.4	145.2
130°	211.6	208.7	204.9	201.2	199.3	190.7	183.1	172.7	162.3	152.8	138.5
132.5°	200.2	198.3	194.5	190.7	187.9	182.2	173.6	163.2	153.7	144.2	130.9
135°	188.8	186.9	183.1	180.3	177.4	171.7	164.1	154.7	146.1	136.6	124.3
137.5°	177.4	175.5	171.7	168.9	167.0	161.3	154.7	145.2	136.6	128.1	116.7
140°	165.1	163.2	160.4	157.5	155.6	150.9	144.2	135.7	127.1	119.6	108.2
142.5°	152.8	150.9	148.0	147.1	144.2	139.5	133.8	125.2	118.6	111.0	100.6
145°	141.4	139.5	136.6	135.7	132.8	129.0	123.3	115.8	109.1	102.5	93.0
147.5°	130.0	128.1	126.2	124.3	122.4	118.6	112.9	106.3	100.6	93.9	84.4
150°	117.7	116.7	113.9	112.9	111.0	107.2	102.5	96.8	91.1	85.4	76.9
152.5°	105.3	104.4	102.5	101.5	98.7	96.8	92.0	86.3	81.6	75.9	69.3
155°	93.0	93.0	90.1	89.2	87.3	85.4	81.6	75.9	72.1	67.4	60.7
157.5°	81.6	80.7	79.7	78.8	76.9	75.0	71.2	66.4	62.6	58.8	54.1
160°	70.2	69.3	67.4	67.4	65.5	64.5	61.7	56.9	53.1	50.3	44.6
162.5°	57.9	57.9	56.0	56.0	54.1	53.1	51.2	47.4	44.6	41.7	37.0
165°	46.5	46.5	45.5	44.6	43.6	42.7	40.8	38.0	35.1	33.2	29.4
167.5°	36.1	35.1	34.2	34.2	33.2	33.2	31.3	28.5	27.5	25.6	22.8
170°	26.6	25.6	24.7	24.7	23.7	23.7	22.8	20.9	19.9	18.0	16.1
172.5°	16.1	16.1	15.2	15.2	15.2	15.2	14.2	12.3	11.4	10.4	9.5
175°	0.0	0.0	0.0	0.0	0.0	0.9	1.9	0.9	1.9	1.9	1.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	54.1	55.0	55.0	54.1	53.1	53.1	53.1	53.1	52.2	52.2	52.2
5°	58.8	58.8	58.8	56.9	56.0	55.0	54.1	54.1	53.1	53.1	52.2
7.5°	64.5	63.6	62.6	59.8	58.8	56.9	56.0	55.0	53.1	53.1	53.1
10°	70.2	68.3	66.4	63.6	61.7	58.8	56.9	56.0	54.1	53.1	53.1
12.5°	75.9	74.0	71.2	67.4	64.5	60.7	58.8	56.9	55.0	54.1	53.1
15°	82.5	79.7	75.9	71.2	67.4	63.6	60.7	58.8	56.0	54.1	53.1
17.5°	89.2	85.4	80.7	75.0	71.2	65.5	62.6	59.8	56.0	55.0	53.1
20°	94.9	91.1	85.4	78.8	73.1	68.3	63.6	60.7	56.9	55.0	53.1
22.5°	101.5	95.8	90.1	82.5	75.9	70.2	65.5	61.7	56.9	55.0	53.1
25°	108.2	101.5	94.9	86.3	79.7	72.1	66.4	62.6	57.9	55.0	53.1
27.5°	113.9	107.2	99.6	90.1	82.5	74.0	68.3	63.6	57.9	55.0	53.1
30°	120.5	112.0	104.4	93.0	84.4	75.9	69.3	64.5	58.8	55.0	53.1
32.5°	126.2	117.7	108.2	96.8	87.3	77.8	70.2	64.5	58.8	55.0	53.1
35°	131.9	122.4	112.0	99.6	90.1	79.7	71.2	65.5	58.8	55.0	52.2
37.5°	137.6	127.1	115.8	103.4	92.0	81.6	72.1	65.5	58.8	55.0	52.2
40°	142.3	131.9	119.6	106.3	94.9	83.5	74.0	66.4	58.8	55.0	52.2
42.5°	148.0	135.7	123.3	109.1	96.8	84.4	74.0	66.4	58.8	55.0	51.2
45°	152.8	140.4	127.1	112.0	98.7	86.3	75.0	67.4	59.8	55.0	51.2
47.5°	156.6	144.2	130.9	114.8	100.6	87.3	75.9	67.4	58.8	54.1	51.2
50°	161.3	148.0	133.8	116.7	102.5	88.2	76.9	67.4	58.8	54.1	50.3
52.5°	165.1	150.9	136.6	119.6	104.4	89.2	77.8	68.3	58.8	54.1	49.3
55°	168.9	154.7	139.5	121.5	105.3	90.1	77.8	68.3	58.8	53.1	49.3
57.5°	172.7	157.5	142.3	123.3	107.2	91.1	77.8	68.3	58.8	53.1	48.4
60°	175.5	160.4	144.2	125.2	108.2	92.0	77.8	67.4	57.9	52.2	47.4
62.5°	178.4	162.3	146.1	126.2	109.1	92.0	77.8	67.4	56.9	51.2	47.4
65°	181.2	165.1	148.0	128.1	110.1	93.0	77.8	67.4	56.9	50.3	46.5
67.5°	183.1	167.0	149.9	129.0	111.0	93.0	78.8	66.4	56.0	50.3	45.5
70°	185.0	167.9	150.9	130.0	111.0	93.0	77.8	66.4	56.0	49.3	44.6
72.5°	186.9	169.8	151.8	130.0	111.0	93.0	77.8	65.5	55.0	48.4	43.6
75°	187.9	170.8	151.8	130.0	111.0	93.0	76.9	64.5	54.1	47.4	42.7
77.5°	188.8	170.8	152.8	130.0	111.0	92.0	76.9	64.5	53.1	46.5	41.7
80°	189.8	170.8	151.8	130.0	110.1	92.0	75.9	63.6	52.2	45.5	40.8
82.5°	188.8	170.8	151.8	130.0	110.1	91.1	75.0	62.6	51.2	44.6	39.9
85°	188.8	169.8	150.9	129.0	109.1	90.1	74.0	61.7	50.3	43.6	38.9
86°	188.8	169.8	150.9	129.0	109.1	90.1	74.0	60.7	50.3	43.6	38.9
87.5°	187.9	169.8	150.9	128.1	108.2	89.2	73.1	60.7	49.3	42.7	38.0
90°	186.9	168.9	149.9	127.1	107.2	89.2	72.1	59.8	48.4	42.7	38.0
92.5°	186.0	167.9	149.0	126.2	106.3	88.2	72.1	58.8	48.4	41.7	37.0
95°	185.0	166.0	147.1	125.2	106.3	87.3	71.2	58.8	47.4	41.7	37.0
97.5°	183.1	165.1	146.1	124.3	104.4	86.3	70.2	57.9	47.4	40.8	37.0
100°	181.2	163.2	144.2	122.4	103.4	85.4	69.3	56.9	46.5	40.8	36.1
102.5°	178.4	161.3	142.3	120.5	102.5	84.4	68.3	56.9	46.5	39.9	36.1
105°	175.5	158.5	140.4	118.6	100.6	82.5	67.4	55.0	45.5	38.9	35.1
107.5°	172.7	155.6	137.6	116.7	97.7	81.6	66.4	54.1	44.6	38.9	34.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
110°	168.9	151.8	133.8	113.9	95.8	78.8	64.5	53.1	43.6	38.0	33.2
112.5°	164.1	148.0	130.9	111.0	93.0	76.9	62.6	51.2	42.7	37.0	32.3
115°	159.4	144.2	127.1	107.2	90.1	75.0	60.7	50.3	40.8	35.1	31.3
117.5°	154.7	139.5	123.3	104.4	87.3	72.1	58.8	48.4	39.9	34.2	31.3
120°	149.0	134.7	118.6	100.6	84.4	70.2	56.0	46.5	38.0	33.2	29.4
122.5°	143.3	130.0	113.9	96.8	81.6	67.4	54.1	44.6	36.1	31.3	28.5
125°	138.5	124.3	109.1	93.0	77.8	64.5	52.2	42.7	35.1	30.4	27.5
127.5°	131.9	118.6	104.4	89.2	74.0	60.7	49.3	40.8	33.2	29.4	25.6
130°	125.2	112.9	99.6	84.4	70.2	57.9	46.5	38.9	31.3	27.5	24.7
132.5°	119.6	107.2	93.9	79.7	66.4	55.0	44.6	36.1	29.4	25.6	23.7
135°	112.9	100.6	89.2	75.0	62.6	51.2	41.7	34.2	28.5	24.7	21.8
137.5°	106.3	94.9	83.5	70.2	58.8	48.4	38.9	32.3	26.6	22.8	20.9
140°	97.7	88.2	77.8	65.5	55.0	44.6	36.1	29.4	24.7	21.8	19.0
142.5°	91.1	81.6	72.1	60.7	50.3	41.7	33.2	27.5	22.8	19.9	18.0
145°	83.5	75.0	65.5	56.0	46.5	38.0	30.4	25.6	20.9	18.0	16.1
147.5°	76.9	69.3	60.7	51.2	42.7	35.1	28.5	22.8	19.0	16.1	15.2
150°	69.3	62.6	54.1	45.5	38.0	31.3	25.6	20.9	17.1	15.2	13.3
152.5°	62.6	56.0	48.4	40.8	34.2	28.5	22.8	18.0	15.2	13.3	12.3
155°	55.0	49.3	42.7	36.1	29.4	24.7	19.9	16.1	13.3	11.4	10.4
157.5°	47.4	42.7	38.0	31.3	25.6	21.8	17.1	14.2	11.4	10.4	8.5
160°	40.8	37.0	32.3	26.6	21.8	18.0	14.2	11.4	9.5	8.5	7.6
162.5°	34.2	30.4	26.6	21.8	18.0	15.2	11.4	9.5	7.6	6.6	5.7
165°	26.6	23.7	20.9	17.1	14.2	11.4	9.5	7.6	5.7	5.7	4.7
167.5°	20.9	18.0	16.1	13.3	10.4	8.5	6.6	5.7	4.7	3.8	2.8
170°	14.2	13.3	11.4	9.5	7.6	5.7	4.7	3.8	2.8	2.8	1.9
172.5°	7.6	6.6	6.6	4.7	3.8	2.8	2.8	1.9	1.9	0.9	0.9
175°	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	52.2	51.2	51.2	51.2	51.2	50.3	50.3	49.3	49.3	50.3	50.3
5°	52.2	51.2	51.2	50.3	50.3	49.3	49.3	48.4	48.4	49.3	48.4
7.5°	52.2	51.2	50.3	49.3	49.3	48.4	48.4	47.4	46.5	47.4	47.4
10°	52.2	50.3	49.3	49.3	48.4	47.4	47.4	45.5	45.5	45.5	45.5
12.5°	52.2	50.3	49.3	48.4	47.4	46.5	45.5	44.6	43.6	44.6	43.6
15°	52.2	50.3	49.3	47.4	46.5	45.5	44.6	43.6	42.7	42.7	42.7
17.5°	52.2	50.3	48.4	46.5	45.5	43.6	43.6	41.7	40.8	41.7	40.8
20°	51.2	49.3	48.4	46.5	44.6	42.7	41.7	39.9	39.9	39.9	38.9
22.5°	51.2	48.4	47.4	45.5	43.6	41.7	40.8	38.9	38.0	38.0	37.0
25°	51.2	48.4	46.5	44.6	42.7	40.8	38.9	37.0	37.0	36.1	36.1
27.5°	51.2	48.4	45.5	43.6	41.7	39.9	38.0	36.1	35.1	35.1	34.2
30°	50.3	47.4	45.5	42.7	40.8	38.0	37.0	34.2	33.2	33.2	32.3
32.5°	50.3	47.4	44.6	41.7	39.9	37.0	35.1	33.2	32.3	31.3	31.3
35°	49.3	46.5	43.6	40.8	38.9	36.1	34.2	31.3	30.4	30.4	29.4
37.5°	49.3	45.5	43.6	39.9	38.0	35.1	32.3	30.4	29.4	28.5	27.5
40°	49.3	45.5	42.7	38.9	37.0	33.2	31.3	28.5	27.5	27.5	26.6
42.5°	48.4	44.6	41.7	38.9	36.1	32.3	30.4	27.5	26.6	25.6	24.7
45°	47.4	44.6	40.8	38.0	35.1	31.3	28.5	25.6	24.7	23.7	23.7
47.5°	47.4	43.6	39.9	37.0	34.2	30.4	27.5	24.7	23.7	22.8	21.8
50°	46.5	42.7	39.9	36.1	32.3	28.5	26.6	22.8	21.8	20.9	19.9
52.5°	45.5	41.7	38.9	35.1	31.3	27.5	24.7	21.8	20.9	19.9	19.0
55°	45.5	41.7	38.0	34.2	30.4	26.6	23.7	19.9	19.0	18.0	17.1
57.5°	44.6	40.8	37.0	32.3	29.4	25.6	21.8	19.0	17.1	17.1	16.1
60°	43.6	39.9	36.1	31.3	28.5	23.7	20.9	17.1	16.1	15.2	14.2
62.5°	42.7	38.9	34.2	30.4	26.6	22.8	19.0	16.1	14.2	13.3	12.3
65°	41.7	38.0	33.2	29.4	25.6	21.8	18.0	14.2	13.3	12.3	11.4
67.5°	40.8	37.0	32.3	28.5	24.7	19.9	16.1	13.3	11.4	10.4	9.5
70°	39.9	36.1	31.3	27.5	23.7	19.0	15.2	11.4	10.4	9.5	8.5
72.5°	38.9	34.2	30.4	25.6	21.8	17.1	14.2	10.4	8.5	7.6	6.6
75°	38.0	33.2	29.4	24.7	20.9	16.1	12.3	8.5	7.6	6.6	5.7
77.5°	37.0	32.3	28.5	23.7	19.9	15.2	11.4	7.6	6.6	5.7	4.7
80°	36.1	31.3	27.5	22.8	19.0	14.2	10.4	6.6	5.7	4.7	3.8
82.5°	35.1	30.4	26.6	21.8	18.0	13.3	9.5	5.7	4.7	3.8	2.8
85°	34.2	30.4	25.6	21.8	17.1	13.3	8.5	4.7	3.8	2.8	1.9
86°	34.2	30.4	25.6	20.9	17.1	13.3	8.5	4.7	3.8	2.8	1.9
87.5°	34.2	29.4	25.6	20.9	17.1	12.3	8.5	4.7	3.8	2.8	1.9
90°	33.2	29.4	24.7	20.9	16.1	12.3	8.5	4.7	3.8	2.8	1.9
92.5°	33.2	28.5	24.7	19.9	16.1	12.3	8.5	4.7	3.8	2.8	1.9
95°	32.3	28.5	24.7	19.9	16.1	12.3	8.5	4.7	3.8	2.8	1.9
97.5°	32.3	28.5	24.7	19.9	16.1	12.3	8.5	4.7	3.8	2.8	1.9
100°	32.3	28.5	23.7	19.9	16.1	11.4	7.6	4.7	3.8	2.8	1.9
102.5°	31.3	27.5	23.7	19.0	16.1	11.4	7.6	4.7	3.8	2.8	1.9
105°	31.3	27.5	23.7	19.0	15.2	11.4	7.6	3.8	2.8	2.8	1.9
107.5°	30.4	26.6	22.8	19.0	15.2	11.4	7.6	3.8	2.8	1.9	1.9



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
110°	29.4	25.6	21.8	18.0	15.2	10.4	7.6	3.8	2.8	1.9	0.9	0°
112.5°	29.4	25.6	21.8	18.0	14.2	10.4	7.6	3.8	2.8	1.9	1.9	2.5°
115°	28.5	24.7	20.9	17.1	14.2	10.4	6.6	3.8	2.8	1.9	0.9	5°
117.5°	27.5	23.7	20.9	17.1	13.3	9.5	6.6	3.8	2.8	1.9	0.9	7.5°
120°	26.6	22.8	19.9	16.1	13.3	9.5	6.6	3.8	2.8	1.9	0.9	10°
122.5°	25.6	21.8	19.0	15.2	12.3	9.5	5.7	2.8	2.8	1.9	0.9	12.5°
125°	23.7	20.9	18.0	15.2	12.3	8.5	5.7	2.8	2.8	1.9	0.9	15°
127.5°	22.8	19.9	17.1	14.2	11.4	8.5	5.7	2.8	1.9	1.9	0.9	17.5°
130°	21.8	19.0	16.1	13.3	10.4	7.6	5.7	2.8	1.9	0.9	0.9	20°
132.5°	20.9	18.0	15.2	12.3	10.4	7.6	4.7	2.8	1.9	0.9	0.9	22.5°
135°	19.9	17.1	14.2	11.4	9.5	6.6	4.7	1.9	1.9	0.9	0.9	25°
137.5°	18.0	16.1	14.2	11.4	8.5	6.6	3.8	1.9	1.9	0.9	0.9	27.5°
140°	17.1	15.2	12.3	10.4	8.5	5.7	3.8	1.9	0.9	0.9	0.9	30°
142.5°	15.2	14.2	11.4	9.5	7.6	5.7	3.8	1.9	0.9	0.9	0.0	32.5°
145°	14.2	12.3	10.4	8.5	6.6	4.7	2.8	1.9	0.9	0.9	0.0	35°
147.5°	13.3	11.4	9.5	7.6	5.7	4.7	2.8	0.9	0.9	0.9	0.0	37.5°
150°	11.4	10.4	8.5	6.6	5.7	3.8	1.9	0.9	0.9	0.0	0.0	40°
152.5°	10.4	9.5	7.6	5.7	4.7	2.8	1.9	0.9	0.9	0.0	0.0	42.5°
155°	9.5	7.6	6.6	4.7	3.8	2.8	1.9	0.9	0.9	0.0	0.0	45°
157.5°	7.6	6.6	5.7	4.7	2.8	1.9	0.9	0.0	0.0	0.0	0.0	47.5°
160°	6.6	5.7	4.7	3.8	2.8	1.9	0.9	0.0	0.0	0.0	0.0	50°
162.5°	4.7	4.7	3.8	2.8	1.9	0.9	0.9	0.0	0.0	0.0	0.0	52.5°
165°	3.8	2.8	2.8	1.9	1.9	0.9	0.0	0.0	0.0	0.0	0.0	55°
167.5°	2.8	1.9	1.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	1.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
172.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												86°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°



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REPORT NUMBER: P
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DISTRIBUTION (continued):

CANDELA DISTRIBUTION:

165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°	110°	165°
53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	110°	0.9
50.3	50.3	49.3	50.3	50.3	50.3	51.2	51.2	51.2	51.2	52.2	112.5°	0.9
48.4	48.4	48.4	48.4	48.4	49.3	49.3	49.3	50.3	50.3	51.2	115°	0.9
46.5	46.5	46.5	46.5	47.4	47.4	47.4	48.4	48.4	49.3	49.3	117.5°	0.9
45.5	44.6	44.6	44.6	45.5	45.5	46.5	46.5	46.5	47.4	48.4	120°	0.9
43.6	43.6	42.7	43.6	43.6	43.6	44.6	44.6	45.5	45.5	46.5	122.5°	0.9
41.7	41.7	41.7	41.7	41.7	41.7	42.7	42.7	43.6	44.6	44.6	125°	0.9
39.9	39.9	39.9	39.9	39.9	40.8	41.7	41.7	41.7	42.7	43.6	127.5°	0.9
38.9	38.0	38.0	38.0	38.9	38.9	39.9	39.9	40.8	40.8	41.7	130°	0.9
37.0	36.1	36.1	36.1	37.0	37.0	38.0	38.0	38.9	39.9	39.9	132.5°	0.0
35.1	35.1	35.1	35.1	35.1	35.1	36.1	36.1	37.0	38.0	38.9	135°	0.0
33.2	33.2	33.2	33.2	33.2	34.2	34.2	35.1	36.1	36.1	37.0	137.5°	0.0
32.3	31.3	31.3	31.3	31.3	32.3	33.2	33.2	34.2	35.1	36.1	140°	0.0
30.4	30.4	30.4	30.4	30.4	30.4	31.3	31.3	32.3	33.2	34.2	142.5°	0.0
28.5	28.5	28.5	28.5	28.5	28.5	29.4	30.4	30.4	31.3	33.2	145°	0.0
27.5	26.6	26.6	26.6	26.6	27.5	27.5	28.5	29.4	30.4	31.3	147.5°	0.0
25.6	24.7	25.6	25.6	25.6	25.6	26.6	27.5	27.5	28.5	30.4	150°	0.0
23.7	23.7	23.7	23.7	23.7	24.7	24.7	25.6	26.6	27.5	28.5	152.5°	0.0
22.8	21.8	21.8	21.8	21.8	22.8	23.7	23.7	24.7	25.6	27.5	155°	0.0
20.9	20.9	20.9	20.9	20.9	20.9	21.8	22.8	23.7	24.7	25.6	157.5°	0.0
19.0	19.0	19.0	19.0	19.0	19.9	19.9	20.9	21.8	22.8	24.7	160°	0.0
18.0	17.1	17.1	17.1	17.1	18.0	19.0	19.9	20.9	21.8	22.8	162.5°	0.0
16.1	16.1	16.1	16.1	16.1	16.1	17.1	18.0	19.0	20.9	21.8	165°	0.0
15.2	14.2	14.2	14.2	14.2	15.2	16.1	17.1	18.0	19.0	19.9	167.5°	0.0
13.3	12.3	12.3	12.3	13.3	13.3	14.2	15.2	16.1	17.1	19.0	170°	0.0
11.4	11.4	11.4	11.4	11.4	12.3	12.3	13.3	14.2	16.1	17.1	172.5°	0.0
10.4	9.5	9.5	9.5	9.5	10.4	11.4	12.3	13.3	14.2	16.1	175°	0.0
8.5	8.5	7.6	8.5	8.5	8.5	9.5	10.4	11.4	13.3	14.2	177.5°	0.0
7.6	6.6	6.6	6.6	6.6	7.6	8.5	9.5	10.4	11.4	13.3	180°	0.9
5.7	5.7	4.7	5.7	5.7	5.7	6.6	7.6	9.5	10.4	11.4		
4.7	3.8	3.8	3.8	4.7	4.7	5.7	6.6	7.6	9.5	10.4		
3.8	2.8	2.8	2.8	2.8	3.8	4.7	5.7	6.6	7.6	9.5		
2.8	1.9	1.9	1.9	1.9	2.8	3.8	4.7	5.7	6.6	8.5		
1.9	0.9	0.9	0.9	0.9	1.9	2.8	3.8	4.7	5.7	7.6		
0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	3.8	4.7	6.6		
0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	3.8	4.7	5.7		
0.9	0.0	0.0	0.9	0.9	0.9	1.9	2.8	3.8	4.7	5.7		
0.9	0.0	0.0	0.0	0.0	0.9	1.9	2.8	3.8	4.7	5.7		
0.9	0.0	0.0	0.0	0.0	0.9	1.9	2.8	3.8	4.7	5.7		
0.9	0.0	0.0	0.0	0.0	0.9	1.9	2.8	3.8	4.7	5.7		
0.9	0.0	0.0	0.0	0.0	0.9	1.9	1.9	2.8	4.7	5.7		
0.9	0.0	0.0	0.0	0.0	0.9	0.9	1.9	2.8	4.7	5.7		
0.9	0.0	0.0	0.0	0.0	0.9	0.9	1.9	2.8	3.8	4.7		
0.9	0.0	0.0	0.0	0.0	0.9	0.9	1.9	2.8	3.8	4.7		

'593937
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 CATALOG NUMBER: WP1150L

TION (continued):

CANDELA DISTRIBUTION (con

170°	175°	180°	185°	190°	195°	200°	205°	210°	215°		220°	225°
0.0	0.0	0.0	0.0	0.9	0.9	1.9	2.8	3.8	4.7	0°	53.1	53.1
0.0	0.0	0.0	0.0	0.9	0.9	1.9	2.8	3.8	4.7	2.5°	53.1	53.1
0.0	0.0	0.0	0.0	0.9	0.9	1.9	2.8	3.8	4.7	5°	52.2	52.2
0.0	0.0	0.0	0.9	0.9	1.9	2.8	2.8	3.8	4.7	7.5°	50.3	50.3
0.0	0.0	0.0	0.9	0.9	1.9	1.9	2.8	3.8	4.7	10°	49.3	49.3
0.0	0.0	0.0	0.0	0.9	0.9	1.9	2.8	3.8	4.7	12.5°	48.4	48.4
0.0	0.0	0.0	0.9	0.9	1.9	1.9	2.8	3.8	4.7	15°	46.5	46.5
0.0	0.0	0.0	0.0	0.9	0.9	1.9	2.8	3.8	4.7	17.5°	45.5	45.5
0.0	0.0	0.0	0.0	0.9	0.9	1.9	2.8	3.8	4.7	20°	43.6	44.6
0.0	0.0	0.0	0.0	0.9	0.9	1.9	2.8	2.8	3.8	22.5°	42.7	42.7
0.0	0.0	0.0	0.0	0.9	0.9	1.9	2.8	2.8	3.8	25°	40.8	41.7
0.0	0.0	0.0	0.0	0.9	0.9	1.9	2.8	2.8	3.8	27.5°	39.9	40.8
0.0	0.0	0.0	0.0	0.9	0.9	1.9	1.9	2.8	3.8	30°	38.0	39.9
0.0	0.0	0.0	0.0	0.9	0.9	1.9	1.9	2.8	2.8	32.5°	37.0	38.0
0.0	0.0	0.0	0.0	0.9	0.9	1.9	1.9	2.8	2.8	35°	35.1	37.0
0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.9	2.8	2.8	37.5°	34.2	36.1
0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.9	1.9	2.8	40°	32.3	35.1
0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.9	1.9	2.8	42.5°	31.3	33.2
0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.9	1.9	2.8	45°	30.4	32.3
0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.9	1.9	1.9	47.5°	28.5	31.3
0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.9	1.9	50°	27.5	29.4
0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.9	1.9	52.5°	25.6	28.5
0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.9	1.9	55°	24.7	27.5
0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.9	57.5°	23.7	26.6
0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.9	60°	21.8	24.7
0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	62.5°	20.9	23.7
0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	65°	19.0	22.8
0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	67.5°	18.0	20.9
0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	70°	16.1	19.9
										72.5°	15.2	19.0
										75°	14.2	17.1
										77.5°	12.3	16.1
										80°	11.4	15.2
										82.5°	10.4	14.2
										85°	9.5	13.3
										86°	9.5	13.3
										87.5°	9.5	13.3
										90°	8.5	12.3
										92.5°	8.5	12.3
										95°	8.5	12.3
										97.5°	8.5	12.3
										100°	8.5	12.3
										102.5°	8.5	12.3
										105°	8.5	11.4
										107.5°	7.6	11.4

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PC

tinued):										CANDELA DISTRIBUTION (continued):		
230°	235°	240°	245°	250°	255°	260°	265°	270°		220°	225°	230°
53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	110°	7.6	11.4	15.2
53.1	53.1	54.1	55.0	54.1	55.0	56.0	56.0	56.0	112.5°	7.6	11.4	15.2
52.2	53.1	54.1	55.0	54.1	56.0	56.0	56.0	56.9	115°	7.6	11.4	14.2
51.2	52.2	53.1	54.1	54.1	56.0	56.9	56.9	57.9	117.5°	7.6	11.4	14.2
50.3	51.2	52.2	54.1	54.1	55.0	56.9	56.9	58.8	120°	7.6	10.4	14.2
49.3	50.3	51.2	53.1	53.1	55.0	56.9	57.9	59.8	122.5°	7.6	10.4	13.3
48.4	49.3	51.2	52.2	53.1	55.0	56.9	57.9	60.7	125°	7.6	9.5	13.3
47.4	48.4	50.3	52.2	53.1	55.0	56.9	58.8	61.7	127.5°	6.6	9.5	12.3
46.5	47.4	49.3	51.2	52.2	55.0	56.9	58.8	62.6	130°	6.6	9.5	12.3
44.6	46.5	48.4	51.2	52.2	55.0	56.9	58.8	62.6	132.5°	5.7	8.5	11.4
43.6	45.5	48.4	50.3	52.2	55.0	56.9	59.8	63.6	135°	5.7	8.5	10.4
42.7	44.6	47.4	50.3	51.2	55.0	56.9	59.8	64.5	137.5°	5.7	7.6	10.4
41.7	43.6	46.5	49.3	51.2	54.1	56.9	59.8	65.5	140°	5.7	7.6	9.5
40.8	42.7	45.5	48.4	50.3	54.1	56.9	59.8	65.5	142.5°	4.7	6.6	9.5
39.9	41.7	44.6	47.4	50.3	53.1	56.9	59.8	65.5	145°	4.7	6.6	8.5
38.9	40.8	43.6	47.4	49.3	53.1	56.9	59.8	66.4	147.5°	4.7	5.7	7.6
38.0	39.9	43.6	46.5	49.3	53.1	56.0	59.8	66.4	150°	3.8	5.7	6.6
36.1	38.9	42.7	45.5	48.4	52.2	56.0	59.8	67.4	152.5°	3.8	4.7	6.6
35.1	38.0	41.7	45.5	47.4	52.2	56.0	59.8	67.4	155°	2.8	4.7	5.7
34.2	37.0	40.8	44.6	47.4	51.2	55.0	59.8	67.4	157.5°	2.8	3.8	5.7
33.2	36.1	39.9	43.6	46.5	51.2	55.0	59.8	67.4	160°	2.8	3.8	4.7
32.3	35.1	38.9	42.7	45.5	50.3	54.1	59.8	67.4	162.5°	2.8	2.8	3.8
31.3	34.2	38.0	42.7	45.5	49.3	54.1	58.8	67.4	165°	1.9	2.8	3.8
30.4	33.2	37.0	41.7	44.6	49.3	53.1	58.8	67.4	167.5°	1.9	1.9	2.8
28.5	32.3	36.1	40.8	43.6	48.4	53.1	57.9	67.4	170°	1.9	1.9	2.8
27.5	31.3	35.1	38.9	42.7	47.4	52.2	57.9	66.4	172.5°	1.9	1.9	1.9
26.6	29.4	34.2	38.9	41.7	46.5	51.2	56.9	66.4	175°	1.9	1.9	1.9
24.7	28.5	33.2	38.0	40.8	45.5	50.3	56.0	65.5	177.5°	0.9	0.9	1.9
23.7	27.5	32.3	36.1	39.9	44.6	49.3	56.0	65.5	180°	0.9	0.9	0.9
22.8	26.6	30.4	35.1	38.9	43.6	48.4	55.0	64.5				
21.8	25.6	29.4	34.2	38.0	42.7	47.4	54.1	63.6				
20.9	24.7	28.5	33.2	37.0	41.7	46.5	53.1	62.6				
19.9	23.7	27.5	32.3	36.1	40.8	45.5	52.2	62.6				
19.0	22.8	26.6	31.3	35.1	39.9	44.6	51.2	60.7				
18.0	21.8	25.6	30.4	34.2	38.9	43.6	49.3	59.8				
17.1	20.9	25.6	30.4	34.2	38.0	43.6	49.3	59.8				
17.1	20.9	24.7	29.4	33.2	38.0	42.7	48.4	58.8				
17.1	20.9	24.7	29.4	33.2	37.0	41.7	48.4	57.9				
16.1	19.9	24.7	28.5	32.3	37.0	41.7	47.4	57.9				
16.1	19.9	24.7	28.5	32.3	36.1	40.8	47.4	56.9				
16.1	19.9	23.7	28.5	32.3	36.1	40.8	46.5	56.0				
16.1	19.9	23.7	27.5	31.3	36.1	40.8	45.5	56.0				
16.1	19.9	23.7	27.5	31.3	35.1	39.9	45.5	55.0				
15.2	19.0	22.8	27.5	30.4	35.1	38.9	44.6	54.1				
15.2	19.0	22.8	26.6	30.4	34.2	38.9	43.6	53.1				



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CANDELA DISTRIBUTION (continued):

235°	240°	245°	250°	255°	260°	265°	270°		275°	280°	285°	290°
18.0	21.8	26.6	29.4	33.2	38.0	42.7	51.2	0°	53.1	53.1	53.1	53.1
18.0	21.8	25.6	29.4	33.2	37.0	41.7	50.3	2.5°	56.0	56.0	56.0	56.9
18.0	20.9	25.6	28.5	32.3	36.1	40.8	49.3	5°	57.9	57.9	58.8	60.7
18.0	20.9	24.7	27.5	31.3	35.1	39.9	47.4	7.5°	58.8	59.8	60.7	63.6
17.1	19.9	23.7	26.6	30.4	34.2	38.0	45.5	10°	59.8	61.7	63.6	66.4
16.1	19.9	22.8	25.6	29.4	33.2	37.0	43.6	12.5°	61.7	64.5	66.4	70.2
16.1	19.0	22.8	24.7	28.5	31.3	35.1	42.7	15°	63.6	66.4	69.3	74.0
15.2	18.0	21.8	23.7	27.5	30.4	34.2	39.9	17.5°	64.5	68.3	72.1	77.8
14.2	17.1	20.9	22.8	25.6	28.5	32.3	38.0	20°	66.4	70.2	75.0	81.6
14.2	16.1	19.0	21.8	24.7	27.5	30.4	37.0	22.5°	67.4	72.1	76.9	84.4
13.3	15.2	18.0	20.9	23.7	25.6	29.4	34.2	25°	68.3	74.0	79.7	88.2
12.3	15.2	17.1	19.0	21.8	24.7	27.5	32.3	27.5°	69.3	75.9	82.5	92.0
11.4	14.2	16.1	18.0	20.9	22.8	25.6	30.4	30°	71.2	77.8	85.4	94.9
11.4	13.3	15.2	17.1	19.0	20.9	23.7	27.5	32.5°	72.1	79.7	87.3	98.7
10.4	12.3	14.2	16.1	18.0	19.9	21.8	25.6	35°	73.1	80.7	89.2	101.5
9.5	11.4	13.3	14.2	16.1	18.0	19.9	23.7	37.5°	74.0	82.5	92.0	104.4
8.5	10.4	12.3	13.3	15.2	16.1	18.0	21.8	40°	75.0	84.4	93.9	107.2
7.6	9.5	11.4	12.3	13.3	15.2	16.1	19.9	42.5°	75.0	85.4	95.8	110.1
6.6	8.5	9.5	10.4	12.3	13.3	15.2	17.1	45°	75.9	87.3	97.7	112.9
6.6	7.6	8.5	9.5	10.4	12.3	13.3	15.2	47.5°	76.9	88.2	99.6	114.8
5.7	6.6	7.6	8.5	9.5	10.4	11.4	13.3	50°	77.8	89.2	101.5	117.7
4.7	5.7	6.6	7.6	7.6	8.5	9.5	11.4	52.5°	77.8	90.1	103.4	119.6
3.8	4.7	5.7	5.7	6.6	7.6	7.6	8.5	55°	78.8	91.1	104.4	121.5
2.8	3.8	3.8	4.7	5.7	5.7	5.7	6.6	57.5°	78.8	92.0	105.3	123.3
2.8	2.8	3.8	3.8	3.8	4.7	4.7	5.7	60°	78.8	92.0	106.3	125.2
1.9	1.9	2.8	2.8	2.8	2.8	3.8	3.8	62.5°	78.8	93.0	107.2	126.2
1.9	1.9	1.9	1.9	2.8	2.8	2.8	2.8	65°	78.8	93.0	108.2	127.1
1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	67.5°	78.8	93.0	108.2	128.1
0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	70°	77.8	93.0	109.1	129.0
								72.5°	77.8	93.0	109.1	130.0
								75°	76.9	93.0	109.1	130.0
								77.5°	76.9	92.0	108.2	130.0
								80°	75.9	92.0	108.2	129.0
								82.5°	75.0	91.1	107.2	129.0
								85°	74.0	89.2	106.3	128.1
								86°	73.1	89.2	106.3	127.1
								87.5°	72.1	88.2	105.3	127.1
								90°	72.1	87.3	104.4	126.2
								92.5°	71.2	87.3	103.4	125.2
								95°	70.2	86.3	102.5	124.3
								97.5°	69.3	85.4	101.5	122.4
								100°	68.3	84.4	100.6	121.5
								102.5°	68.3	82.5	98.7	119.6
								105°	66.4	81.6	97.7	117.7
								107.5°	65.5	79.7	94.9	114.8



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CANDELA DISTRIBUTION (continued):

295°	300°	305°	310°	315°	320°	325°		275°	280°	285°	290°	295°
53.1	53.1	53.1	53.1	53.1	53.1	53.1	110°	63.6	77.8	93.0	112.0	130.9
57.9	57.9	57.9	57.9	58.8	57.9	57.9	112.5°	62.6	75.9	91.1	110.1	127.1
61.7	62.6	63.6	63.6	64.5	64.5	64.5	115°	60.7	74.0	88.2	106.3	124.3
65.5	66.4	68.3	69.3	71.2	72.1	72.1	117.5°	58.8	72.1	85.4	103.4	120.5
69.3	72.1	74.0	75.9	76.9	78.8	79.7	120°	56.9	69.3	82.5	99.6	115.8
73.1	76.9	79.7	82.5	84.4	86.3	88.2	122.5°	54.1	66.4	79.7	95.8	112.0
77.8	82.5	85.4	89.2	93.0	94.9	97.7	125°	52.2	63.6	75.9	92.0	107.2
82.5	87.3	92.0	96.8	100.6	103.4	106.3	127.5°	49.3	60.7	73.1	88.2	102.5
87.3	93.0	97.7	103.4	108.2	112.0	115.8	130°	47.4	57.9	68.3	83.5	96.8
91.1	97.7	104.4	110.1	115.8	119.6	124.3	132.5°	44.6	55.0	65.5	78.8	92.0
95.8	103.4	110.1	116.7	123.3	128.1	133.8	135°	41.7	51.2	61.7	75.0	87.3
100.6	108.2	116.7	124.3	130.9	136.6	142.3	137.5°	39.9	48.4	57.9	70.2	81.6
104.4	113.9	122.4	130.9	138.5	144.2	150.9	140°	37.0	44.6	53.1	65.5	75.9
108.2	118.6	127.1	136.6	145.2	151.8	158.5	142.5°	34.2	41.7	49.3	60.7	70.2
112.0	122.4	132.8	143.3	151.8	159.4	167.0	145°	31.3	38.0	45.5	56.0	64.5
115.8	127.1	138.5	149.0	158.5	167.0	174.6	147.5°	28.5	35.1	41.7	51.2	59.8
119.6	131.9	143.3	154.7	165.1	173.6	182.2	150°	25.6	31.3	38.0	45.5	54.1
122.4	135.7	148.0	160.4	170.8	180.3	188.8	152.5°	23.7	28.5	34.2	40.8	48.4
126.2	140.4	152.8	165.1	177.4	186.9	196.4	155°	20.9	24.7	30.4	36.1	42.7
129.0	144.2	157.5	170.8	183.1	192.6	203.1	157.5°	18.0	21.8	25.6	31.3	37.0
132.8	148.0	161.3	175.5	187.9	198.3	208.7	160°	15.2	19.0	21.8	27.5	31.3
135.7	150.9	165.1	179.3	192.6	204.0	217.3	162.5°	12.3	15.2	19.0	22.8	26.6
137.6	153.7	168.9	184.1	197.4	209.7	223.0	165°	10.4	12.3	14.2	18.0	20.9
140.4	156.6	171.7	187.9	202.1	214.4	227.7	167.5°	7.6	8.5	11.4	14.2	16.1
142.3	159.4	174.6	191.7	205.9	220.1	233.4	170°	5.7	6.6	7.6	9.5	11.4
143.3	161.3	177.4	194.5	209.7	224.9	238.2	172.5°	3.8	3.8	4.7	4.7	5.7
145.2	163.2	180.3	197.4	212.5	228.7	242.0	175°	2.8	2.8	2.8	2.8	2.8
147.1	165.1	182.2	199.3	217.3	231.5	245.7	177.5°	1.9	1.9	1.9	1.9	1.9
148.0	167.0	184.1	202.1	220.1	234.4	249.5	180°	0.9	0.9	0.9	0.9	0.9
149.0	167.9	185.0	204.0	222.0	237.2	251.4						
149.0	168.9	186.0	204.9	223.9	239.1	254.3						
149.0	168.9	186.9	205.9	224.9	241.0	256.2						
149.0	168.9	186.9	206.8	225.8	242.0	257.1						
149.0	168.9	186.9	205.9	225.8	242.0	257.1						
148.0	167.9	186.0	205.9	223.9	242.0	257.1						
147.1	167.0	185.0	204.9	223.9	240.1	256.2						
146.1	166.0	184.1	204.0	223.0	240.1	256.2						
145.2	165.1	183.1	203.1	222.0	238.2	254.3						
143.3	163.2	182.2	201.2	220.1	236.3	252.4						
142.3	162.3	180.3	200.2	218.2	235.3	250.5						
140.4	160.4	178.4	197.4	213.5	232.5	247.6						
138.5	158.5	175.5	194.5	210.6	229.6	243.9						
136.6	155.6	172.7	191.7	207.8	224.9	240.1						
133.8	152.8	169.8	187.9	204.0	221.1	235.3						

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CANDELA DISTRIBUTION (continued):

300°	305°	310°	315°	320°	325°		330°	335°	340°	345°	350°	355°
149.0	166.0	184.1	199.3	213.5	230.6	0°	53.1	53.1	53.1	53.1	53.1	53.1
145.2	161.3	179.3	194.5	208.7	223.9	2.5°	57.9	58.8	57.9	57.9	58.8	58.8
141.4	156.6	174.6	188.8	202.1	218.2	5°	65.5	66.4	65.5	65.5	67.4	67.4
136.6	151.8	168.9	183.1	196.4	208.7	7.5°	73.1	75.0	74.0	75.0	75.9	76.9
132.8	147.1	164.1	176.5	189.8	202.1	10°	81.6	83.5	83.5	84.4	86.3	86.3
127.1	141.4	157.5	169.8	182.2	194.5	12.5°	90.1	93.0	93.9	94.9	96.8	97.7
122.4	135.7	150.9	163.2	174.6	186.0	15°	100.6	104.4	104.4	106.3	108.2	109.1
116.7	130.0	144.2	155.6	167.9	178.4	17.5°	110.1	114.8	114.8	116.7	119.6	120.5
111.0	123.3	137.6	149.0	159.4	169.8	20°	119.6	124.3	125.2	127.1	130.9	131.9
105.3	117.7	130.9	140.4	151.8	160.4	22.5°	129.0	134.7	135.7	138.5	141.4	142.3
99.6	111.0	123.3	133.8	143.3	151.8	25°	138.5	144.2	146.1	149.0	152.8	153.7
93.0	104.4	115.8	125.2	134.7	143.3	27.5°	148.0	154.7	156.6	159.4	164.1	165.1
87.3	96.8	108.2	115.8	125.2	132.8	30°	157.5	164.1	166.0	169.8	174.6	176.5
80.7	90.1	100.6	108.2	116.7	123.3	32.5°	166.0	172.7	175.5	179.3	185.0	186.0
74.0	82.5	93.0	100.6	108.2	113.9	35°	174.6	181.2	185.0	188.8	194.5	196.4
68.3	75.9	85.4	92.0	98.7	105.3	37.5°	183.1	190.7	194.5	198.3	204.9	205.9
61.7	69.3	76.9	83.5	90.1	94.9	40°	190.7	199.3	203.1	207.8	214.4	215.4
55.0	61.7	69.3	75.0	80.7	85.4	42.5°	199.3	206.8	211.6	218.2	225.8	226.8
48.4	55.0	61.7	66.4	71.2	75.9	45°	205.9	217.3	222.0	227.7	235.3	236.3
42.7	47.4	53.1	57.9	62.6	66.4	47.5°	213.5	224.9	229.6	236.3	243.9	245.7
37.0	40.8	45.5	49.3	53.1	56.9	50°	222.0	232.5	238.2	243.9	251.4	254.3
30.4	34.2	38.0	40.8	44.6	47.4	52.5°	228.7	239.1	245.7	252.4	260.0	262.8
24.7	27.5	30.4	33.2	36.1	38.0	55°	235.3	245.7	253.3	259.0	267.6	271.4
19.0	20.9	23.7	25.6	27.5	29.4	57.5°	241.0	252.4	259.0	266.6	275.2	278.0
13.3	15.2	17.1	19.0	19.9	21.8	60°	246.7	258.1	265.7	273.3	281.8	285.6
6.6	8.5	9.5	10.4	11.4	12.3	62.5°	251.4	263.8	271.4	279.9	288.4	292.2
2.8	2.8	2.8	1.9	1.9	1.9	65°	256.2	268.5	277.1	285.6	295.1	298.9
0.9	0.9	0.9	0.9	0.9	0.9	67.5°	260.0	273.3	281.8	290.3	300.8	304.6
0.9	0.9	0.9	0.9	0.9	0.9	70°	264.7	278.0	287.5	295.1	306.5	310.3
						72.5°	267.6	280.9	291.3	299.8	310.3	315.0
						75°	269.5	283.7	294.1	303.6	314.1	318.8
						77.5°	272.3	286.5	297.0	306.5	317.9	321.7
						80°	274.2	288.4	298.9	308.4	319.8	324.5
						82.5°	274.2	288.4	299.8	309.3	320.7	325.5
						85°	273.3	288.4	298.9	309.3	320.7	325.5
						86°	273.3	288.4	299.8	309.3	321.7	326.4
						87.5°	273.3	288.4	299.8	309.3	321.7	325.5
						90°	272.3	287.5	297.9	308.4	320.7	324.5
						92.5°	271.4	285.6	297.0	306.5	318.8	323.6
						95°	269.5	283.7	295.1	304.6	316.9	320.7
						97.5°	267.6	281.8	292.2	301.7	314.1	318.8
						100°	263.8	278.0	288.4	298.9	310.3	315.0
						102.5°	260.9	274.2	284.7	294.1	305.5	310.3
						105°	256.2	269.5	279.9	289.4	299.8	304.6
						107.5°	251.4	263.8	274.2	283.7	294.1	298.9



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CANDELA DISTRIBUTION (continued):

360°		330°	335°	340°	345°	350°	355°	360°
53.1	110°	245.7	258.1	267.6	277.1	287.5	291.3	292.2
57.9	112.5°	240.1	250.5	260.0	269.5	279.9	282.8	283.7
66.4	115°	232.5	242.9	252.4	260.9	270.4	273.3	275.2
75.9	117.5°	225.8	235.3	244.8	252.4	261.9	265.7	266.6
85.4	120°	217.3	226.8	236.3	242.9	251.4	255.2	256.2
96.8	122.5°	206.8	218.2	225.8	233.4	242.0	245.7	245.7
108.2	125°	198.3	206.8	216.3	223.9	231.5	234.4	235.3
119.6	127.5°	189.8	197.4	204.9	211.6	220.1	223.0	223.9
130.9	130°	180.3	187.9	194.5	201.2	207.8	209.7	211.6
142.3	132.5°	171.7	178.4	185.0	189.8	196.4	199.3	200.2
153.7	135°	162.3	167.9	174.6	179.3	185.0	187.9	188.8
165.1	137.5°	151.8	157.5	164.1	168.9	173.6	175.5	177.4
175.5	140°	142.3	147.1	152.8	156.6	162.3	164.1	165.1
186.0	142.5°	131.9	136.6	141.4	145.2	149.9	151.8	152.8
195.5	145°	120.5	126.2	130.9	134.7	138.5	140.4	141.4
205.9	147.5°	111.0	115.8	120.5	123.3	127.1	129.0	130.0
217.3	150°	100.6	105.3	109.1	112.0	115.8	116.7	117.7
226.8	152.5°	90.1	93.9	97.7	100.6	103.4	105.3	105.3
236.3	155°	79.7	83.5	86.3	89.2	92.0	93.0	93.0
244.8	157.5°	70.2	73.1	75.9	77.8	80.7	81.6	81.6
254.3	160°	59.8	62.6	64.5	66.4	68.3	70.2	70.2
261.9	162.5°	50.3	52.2	54.1	55.0	56.9	57.9	57.9
270.4	165°	39.9	41.7	43.6	44.6	45.5	46.5	46.5
278.0	167.5°	31.3	32.3	33.2	34.2	35.1	36.1	36.1
285.6	170°	22.8	23.7	24.7	24.7	25.6	25.6	26.6
293.2	172.5°	13.3	14.2	15.2	15.2	16.1	16.1	16.1
298.9	175°	0.9	0.9	0.0	0.0	0.0	0.0	0.0
303.6	177.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0
310.3	180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9
315.0								
318.8								
322.6								
325.5								
325.5								
326.4								
327.3								
326.4								
325.5								
323.6								
322.6								
319.8								
316.0								
311.2								
305.5								
299.8								

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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(REPORT)