

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: STREETWORKS

Report Number: P212571

Luminaire Tested: **MPB-AF-D-U-ASYM-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25987)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MPB-AF-D-U-ASYM-8030-600
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND ASYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2397 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.62')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

Input Watts (W): 34
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: 28.75 FT

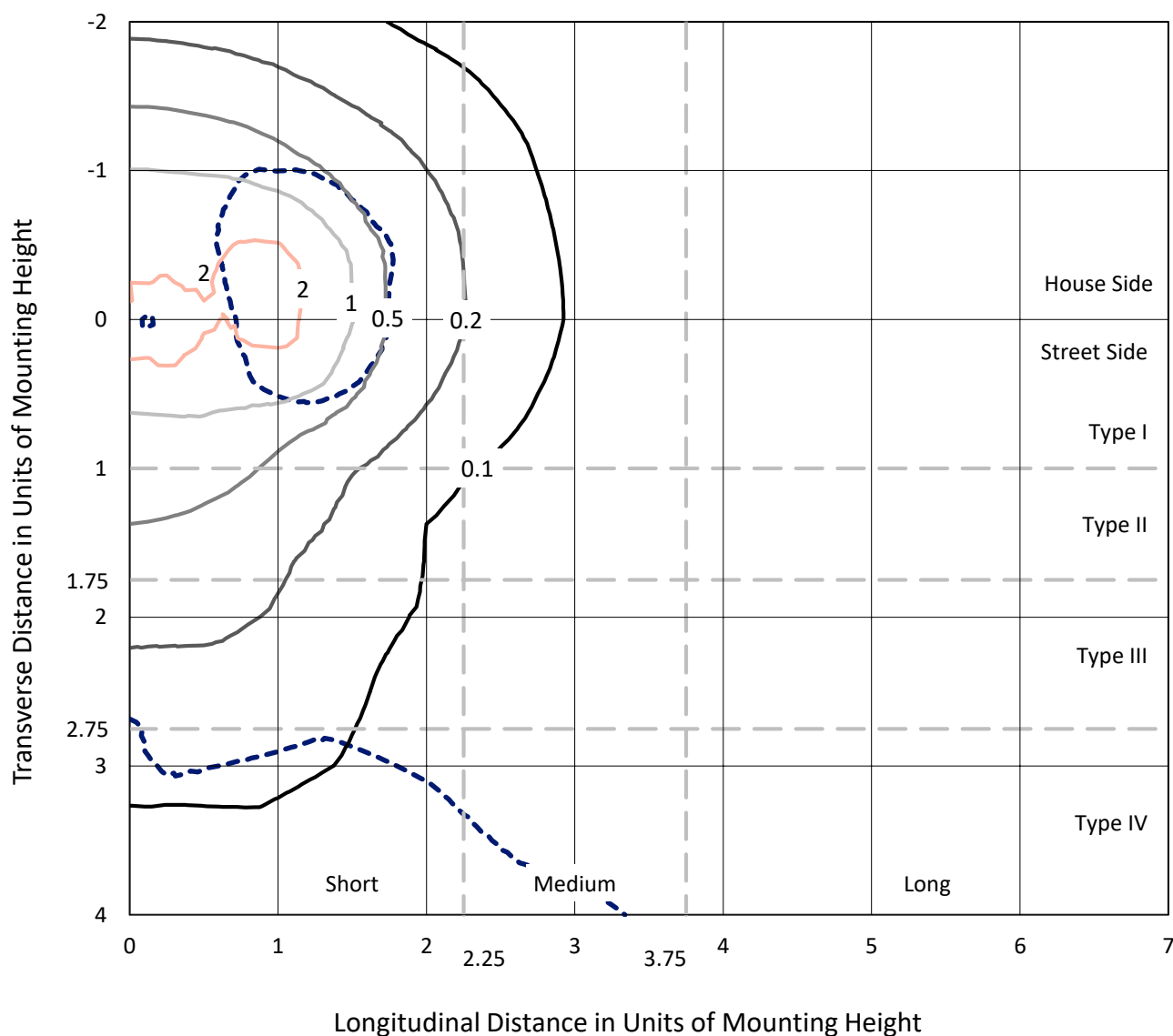


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

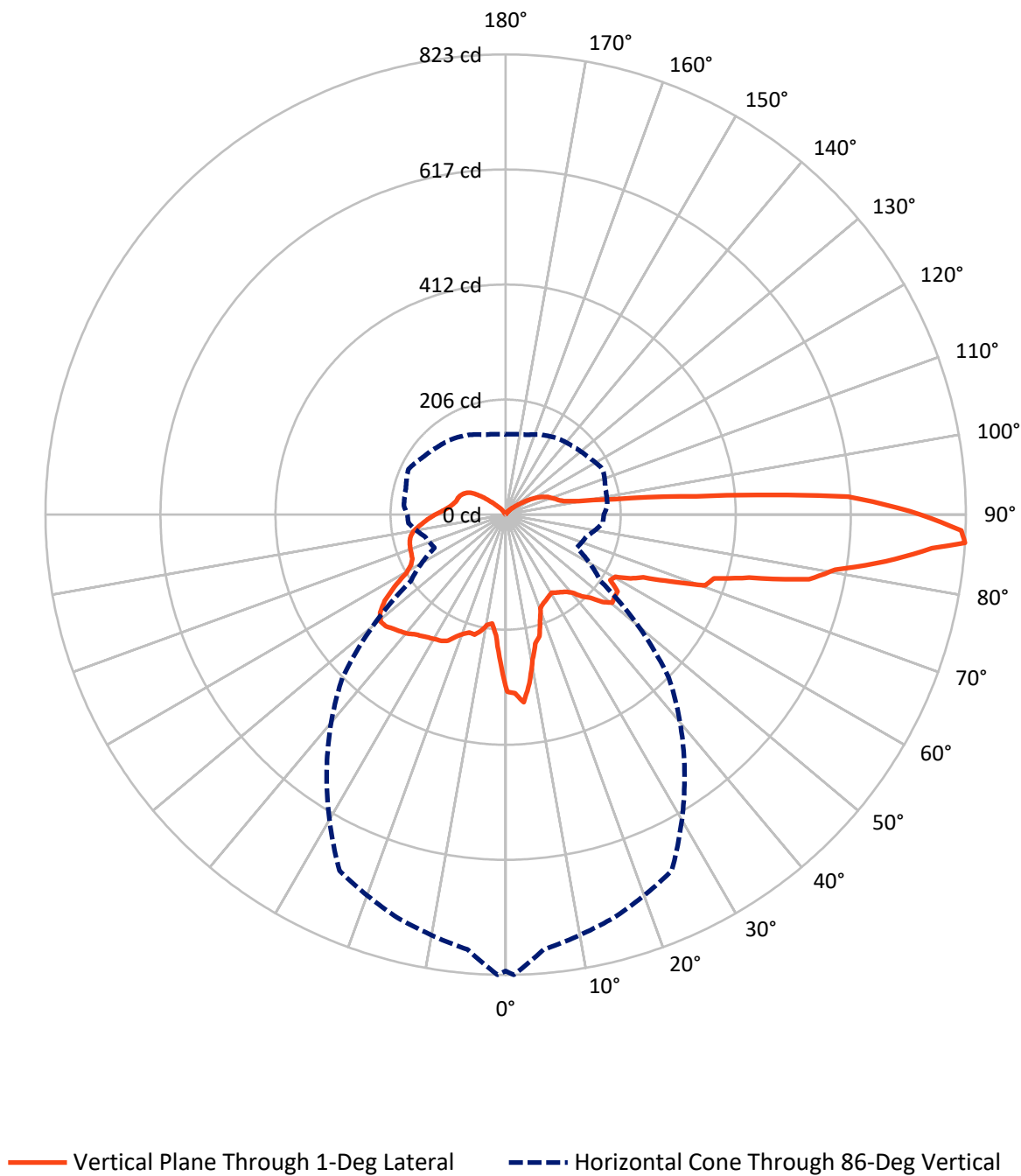


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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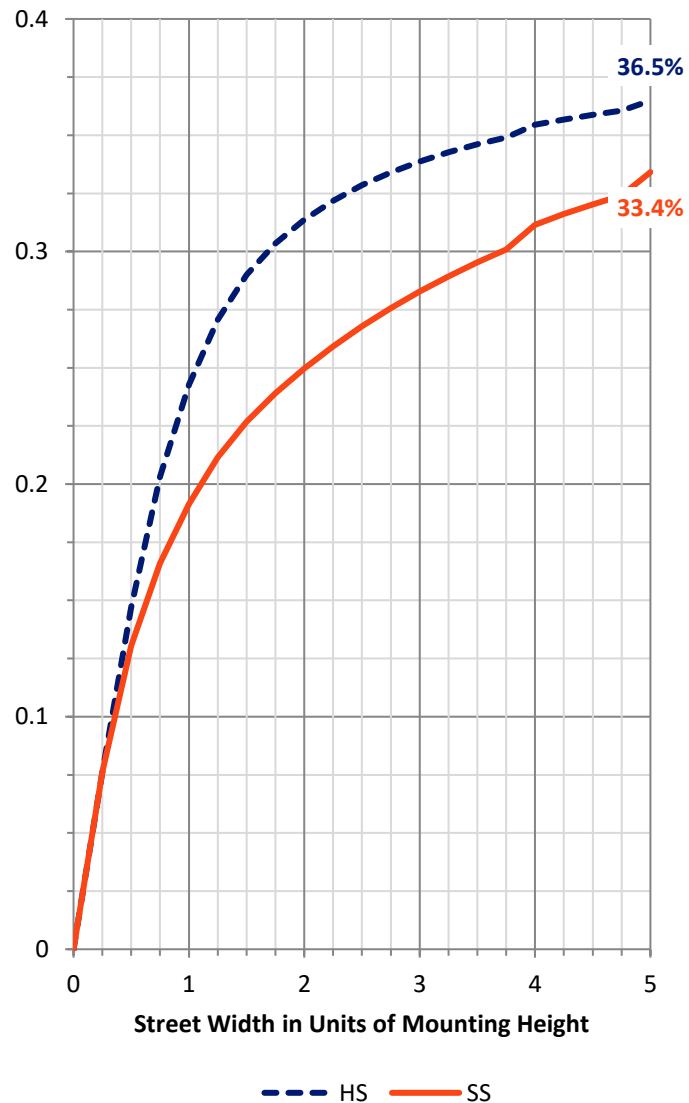
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	926.8	227.2	1154.0
	% Fixture	38.7	9.5	48.1
Street Side	Lumens	974.9	268.1	1243.0
	% Fixture	40.7	11.2	51.9
Total	Lumens	1901.7	495.3	2397.0
	% Fixture	79.3	20.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	1.3
10°-20°	73.8	3.1
20°-30°	114.5	4.8
30°-40°	183.3	7.6
40°-50°	302.8	12.6
50°-60°	327.0	13.6
60°-70°	250.1	10.4
70°-80°	295.2	12.3
80°-90°	324.8	13.6
90°-100°	197.2	8.2
100°-110°	100.4	4.2
110°-120°	97.7	4.1
120°-130°	71.7	3.0
130°-140°	22.7	0.9
140°-150°	5.0	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1901.7	79.3
0°-180°	2397.0	100.0

Coefficient of Utilization



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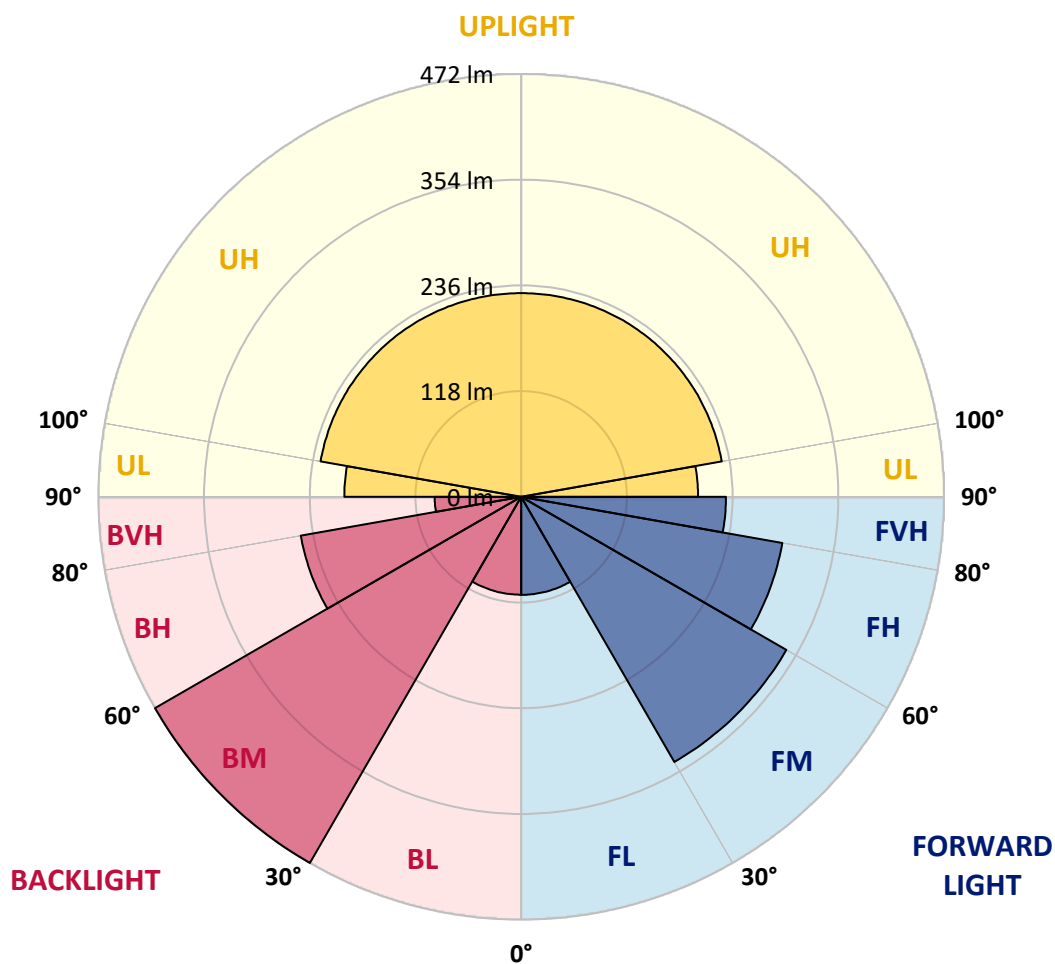
CATALOG NUMBER: MPB-AF-D-U-ASYM-8030-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	109.3	4.6			
FM	(30°-60°)	341.5	14.2			
FH	(60°-80°)	295.7	12.3			G0/660
FVH	(80°-90°)	228.3	9.5			G3/500
BL	(0°-30°)	109.2	4.6	B0/110		
BM	(30°-60°)	471.6	19.7	B1/1000		
BH	(60°-80°)	249.6	10.4	B1/500		G1/500
BVH	(80°-90°)	96.5	4.0			G1/100
UL	(90°-100°)	197.2	8.2		U3/500	
UH	(100°-180°)	227.2	9.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6
2.5°	320.7	320.0	318.6	320.7	322.7	338.5	348.7	347.4	335.1	329.6	325.5
5°	341.9	337.1	333.7	339.2	339.2	367.9	382.2	361.0	356.9	367.2	356.3
7.5°	306.3	305.0	303.6	309.8	321.4	372.0	380.2	428.7	443.1	426.0	423.9
10°	261.9	263.9	261.9	294.7	340.5	375.4	329.6	341.9	364.5	372.0	335.7
12.5°	233.9	236.6	239.3	260.5	272.8	261.9	283.1	291.3	305.7	303.6	288.6
15°	222.9	225.7	224.3	214.7	228.4	248.2	265.3	281.7	298.1	282.4	282.4
17.5°	205.8	199.7	198.3	188.7	212.7	240.0	271.5	294.0	289.9	313.9	335.1
20°	179.8	177.8	177.8	182.6	203.1	236.6	293.3	343.9	378.1	351.5	319.3
22.5°	173.0	172.3	175.0	183.3	203.1	220.2	245.5	267.4	270.8	268.0	267.4
25°	168.9	168.9	171.6	181.2	188.7	201.7	232.5	251.6	253.0	266.7	266.7
27.5°	166.8	164.8	164.8	174.4	184.6	204.5	220.9	238.6	247.5	274.9	320.0
30°	162.7	162.1	162.7	172.3	188.0	201.0	222.2	237.3	250.3	277.6	290.6
32.5°	164.8	166.2	164.1	170.9	183.3	201.0	225.7	249.6	259.2	307.0	329.6
35°	170.3	170.3	167.5	170.9	180.5	198.3	228.4	264.6	282.4	344.6	378.1
37.5°	173.0	175.0	174.4	179.8	190.1	204.5	229.8	277.6	313.9	371.3	433.5
40°	183.3	183.3	183.9	193.5	201.0	210.6	230.4	284.5	354.9	403.4	503.3
42.5°	197.6	199.7	196.9	196.2	202.4	215.4	230.4	281.7	405.5	452.0	584.6
45°	209.2	212.0	209.9	214.7	214.0	224.3	230.4	275.6	420.5	505.3	656.4
47.5°	235.9	233.2	235.9	237.3	231.1	235.2	238.6	274.2	417.1	568.2	696.1
50°	246.8	247.5	245.5	241.4	240.0	235.9	239.3	264.6	405.5	610.6	721.4
52.5°	246.2	244.1	246.8	240.7	235.9	234.5	229.1	248.2	382.9	590.1	660.5
55°	245.5	242.7	238.0	229.8	221.5	220.2	217.4	230.4	330.3	494.4	579.9
57.5°	220.9	220.9	218.1	218.1	211.3	204.5	204.5	200.4	276.3	400.7	498.5
60°	225.0	225.7	222.9	227.0	222.2	203.1	205.8	179.2	231.1	302.9	364.5
62.5°	253.7	251.0	244.8	244.8	238.6	207.2	192.8	173.0	208.6	258.5	304.3
65°	272.8	270.8	271.5	276.3	269.4	230.4	214.7	175.0	200.4	247.5	287.9
67.5°	317.3	318.6	320.7	333.7	309.8	261.2	239.3	179.8	196.9	245.5	283.8
70°	394.5	378.8	367.2	338.5	328.9	270.1	245.5	184.6	194.2	245.5	281.0
72.5°	385.0	389.8	383.6	394.5	391.8	315.2	252.3	192.1	192.1	241.4	280.4
75°	456.1	449.9	463.6	506.7	460.2	362.4	293.3	200.4	186.7	233.9	274.9
77.5°	557.3	555.2	539.5	527.2	499.8	383.6	340.5	222.9	173.7	218.1	259.2
80°	604.5	597.6	608.6	584.0	571.0	441.7	335.7	213.3	158.6	198.3	235.2
82.5°	688.6	685.2	692.0	757.6	651.0	506.0	369.2	218.1	148.4	177.1	208.6
85°	761.7	765.2	787.7	763.1	707.0	552.5	390.4	227.7	142.9	157.3	183.9
86°	816.4	823.3	780.9	746.7	702.9	558.0	413.0	207.2	140.2	149.7	174.4
87.5°	805.5	815.8	800.7	786.4	733.7	575.8	421.9	184.6	137.4	138.8	160.7
90°	746.0	723.4	748.1	770.6	675.6	519.7	379.5	190.8	125.1	124.4	141.5
92.5°	616.1	613.4	598.3	593.5	535.4	419.2	318.6	159.3	114.9	111.5	125.8
95°	365.1	343.3	331.6	390.4	354.9	322.7	234.5	148.4	103.3	99.8	110.8
97.5°	204.5	197.6	190.1	216.8	225.7	202.4	151.8	108.7	91.6	91.6	99.8
100°	138.1	132.7	130.6	131.3	142.2	131.3	109.4	88.9	82.7	86.2	92.3
102.5°	107.4	106.7	104.6	106.0	108.0	101.2	91.6	84.1	81.4	86.2	89.6
105°	97.8	97.8	95.7	95.0	97.1	90.9	86.2	81.4	82.7	89.6	91.6
107.5°	91.6	92.3	89.6	89.6	89.6	86.2	82.1	80.0	85.5	94.4	96.4



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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	86.2	86.2	84.1	84.1	84.8	81.4	78.6	78.6	88.2	99.8	102.6
112.5°	80.7	81.4	79.3	79.3	79.3	76.6	75.2	78.0	91.6	106.7	110.8
115°	73.8	73.8	72.5	73.8	73.8	72.5	72.5	78.0	99.1	116.9	123.1
117.5°	65.6	65.6	65.0	67.0	67.7	68.4	70.4	78.6	107.4	128.6	138.1
120°	56.8	56.8	56.8	59.5	60.9	62.9	67.0	77.3	112.1	137.4	147.7
122.5°	47.2	47.2	47.2	49.2	51.3	55.4	60.9	71.8	107.4	132.7	144.3
125°	37.6	37.6	38.3	39.7	42.4	46.5	52.0	62.2	92.3	114.2	126.5
127.5°	30.1	30.1	30.1	31.5	33.5	37.6	42.4	51.3	72.5	90.9	102.6
130°	23.9	23.9	23.9	24.6	26.0	28.7	33.5	41.0	55.4	68.4	77.3
132.5°	19.1	18.5	19.1	19.1	20.5	22.6	25.3	30.1	39.0	48.5	55.4
135°	15.7	15.7	15.7	15.7	16.4	17.1	19.8	21.9	26.7	32.8	36.2
137.5°	12.3	12.3	12.3	12.3	13.0	13.0	14.4	16.4	18.5	22.6	26.0
140°	9.6	9.6	9.6	9.6	9.6	10.3	10.9	11.6	13.7	17.1	19.8
142.5°	7.5	7.5	7.5	7.5	7.5	7.5	8.2	8.9	10.3	12.3	14.4
145°	4.8	5.5	4.8	4.8	4.8	4.8	5.5	5.5	6.8	8.2	9.6
147.5°	2.7	3.4	2.7	2.7	2.7	2.7	2.7	3.4	3.4	4.8	5.5
150°	1.4	1.4	1.4	1.4	1.4	0.7	1.4	1.4	1.4	2.1	2.7
152.5°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
155°	0.0	0.0	0.0	0.7	0.7	0.7	0.0	0.7	0.7	1.4	1.4
157.5°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
160°	0.0	0.0	0.0	0.7	0.7	0.7	0.0	0.7	0.7	1.4	1.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6
2.5°	324.1	324.1	326.2	326.2	324.1	315.9	303.6	291.3	276.9	266.7	263.9
5°	348.7	337.8	326.2	307.0	290.6	287.2	262.6	240.0	227.0	217.4	216.1
7.5°	423.9	410.3	363.1	350.1	328.2	300.9	231.8	209.2	200.4	196.9	196.2
10°	318.6	300.9	272.8	262.6	258.5	243.4	220.9	207.2	202.4	201.0	199.7
12.5°	279.0	270.1	257.8	248.9	242.7	230.4	217.4	209.2	207.9	212.0	212.7
15°	278.3	281.7	275.6	254.4	237.3	227.0	219.5	218.1	218.8	222.2	221.5
17.5°	343.9	330.3	307.7	275.6	251.0	251.6	250.3	229.8	227.0	221.5	220.2
20°	307.0	293.3	290.6	271.5	264.6	242.7	247.5	238.6	233.9	227.7	225.7
22.5°	266.0	259.8	248.2	243.4	241.4	248.2	248.2	240.7	238.0	235.2	234.5
25°	263.3	263.9	277.6	276.9	257.1	260.5	255.7	247.5	247.5	248.9	247.5
27.5°	320.0	302.9	283.8	283.1	274.9	283.8	268.7	257.1	256.4	254.4	253.0
30°	292.7	292.7	297.4	296.1	289.9	285.1	276.9	266.0	261.9	257.1	255.7
32.5°	332.3	335.1	346.0	333.7	318.6	304.3	289.9	274.2	266.0	259.8	259.2
35°	367.2	372.7	403.4	378.1	358.3	327.5	305.7	282.4	270.1	264.6	263.3
37.5°	412.3	417.1	468.4	428.1	396.6	352.8	322.7	292.0	276.3	268.7	268.0
40°	472.5	473.2	528.6	492.3	455.4	380.9	333.0	299.5	284.5	276.3	275.6
42.5°	552.5	548.4	616.8	581.9	503.3	401.4	337.8	301.6	287.2	281.7	281.0
45°	627.0	621.6	677.6	663.3	524.5	414.4	343.9	308.4	292.0	287.2	285.8
47.5°	677.0	685.2	725.5	722.1	537.5	419.8	354.2	315.9	298.1	293.3	292.7
50°	728.9	738.5	778.8	718.7	545.7	423.9	361.7	321.4	300.9	295.4	294.0
52.5°	740.5	743.3	770.6	681.1	527.9	411.6	355.6	314.5	292.7	286.5	284.5
55°	662.6	642.1	731.7	589.4	481.4	375.4	333.0	294.7	272.8	268.0	265.3
57.5°	549.1	517.6	588.7	487.5	411.0	334.4	296.1	265.3	244.8	239.3	236.6
60°	406.9	379.5	428.7	373.3	333.7	274.9	244.1	226.3	209.9	206.5	205.8
62.5°	335.1	322.1	346.7	318.6	287.2	245.5	222.2	207.2	192.8	191.5	191.5
65°	309.8	307.0	321.4	301.6	273.5	236.6	215.4	201.0	187.4	185.3	184.6
67.5°	298.8	299.5	306.3	296.8	272.1	235.2	214.0	199.0	185.3	183.3	182.6
70°	295.4	295.4	295.4	296.8	274.2	235.2	214.0	199.7	184.6	181.9	181.2
72.5°	293.3	293.3	288.6	294.0	272.1	233.9	214.0	199.0	183.9	180.5	179.8
75°	285.1	285.8	279.7	288.6	265.3	231.1	213.3	197.6	181.9	178.5	177.8
77.5°	267.4	268.7	264.6	276.3	253.7	225.7	209.9	194.9	179.2	175.0	174.4
80°	240.0	246.2	244.1	255.1	235.2	214.7	201.0	187.4	172.3	168.9	168.2
82.5°	210.6	218.1	219.5	227.7	212.0	197.6	186.0	175.0	161.4	158.6	158.0
85°	185.3	192.1	194.9	201.7	188.7	179.2	170.9	162.1	151.1	148.4	147.7
86°	175.7	182.6	184.6	192.1	179.8	171.6	165.5	157.3	147.7	144.3	143.6
87.5°	162.1	168.2	171.6	177.8	166.8	160.7	156.6	150.4	141.5	138.8	138.1
90°	142.9	149.1	151.1	154.5	145.6	142.2	140.9	136.8	130.6	127.9	127.9
92.5°	126.5	132.0	134.0	136.1	128.6	125.8	126.5	124.4	120.3	118.3	117.6
95°	111.5	116.2	117.6	119.7	113.5	112.8	116.2	115.6	112.1	110.1	109.4
97.5°	100.5	103.9	105.3	106.0	102.6	103.9	107.4	108.0	106.0	103.9	103.3
100°	93.0	95.0	97.1	98.5	95.0	97.1	101.2	101.9	100.5	99.1	98.5
102.5°	90.3	91.6	95.0	96.4	92.3	93.0	96.4	97.8	96.4	95.0	95.0
105°	92.3	93.0	98.5	100.5	94.4	92.3	93.7	95.0	93.0	92.3	92.3
107.5°	97.1	97.8	105.3	107.4	100.5	95.0	93.7	93.7	92.3	90.9	90.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	103.3	105.3	113.5	117.6	109.4	98.5	93.7	93.0	91.6	89.6	90.3
112.5°	112.1	113.5	123.1	128.6	119.0	101.9	93.7	91.6	89.6	88.2	88.9
115°	125.1	124.4	136.1	140.9	127.9	105.3	94.4	89.6	87.5	86.2	86.2
117.5°	140.2	138.8	150.4	150.4	134.7	108.0	94.4	87.5	84.8	83.4	83.4
120°	150.4	147.7	160.7	155.2	135.4	108.0	93.7	84.8	81.4	80.0	79.3
122.5°	148.4	145.6	160.7	148.4	125.1	99.8	87.5	80.0	75.9	74.5	73.8
125°	129.9	127.2	136.8	125.1	105.3	83.4	73.8	67.7	65.6	64.3	64.3
127.5°	105.3	103.3	105.3	97.8	82.7	67.0	59.5	55.4	54.0	53.3	53.3
130°	77.3	78.0	79.3	73.8	62.2	52.0	45.8	43.1	42.4	41.7	41.7
132.5°	56.1	56.1	57.4	54.0	45.1	39.0	35.6	33.5	33.5	32.8	32.8
135°	37.6	38.3	39.7	37.6	32.1	28.0	26.0	25.3	25.3	24.6	24.6
137.5°	26.7	28.0	28.7	26.7	23.9	21.2	19.1	18.5	19.1	18.5	18.5
140°	20.5	21.2	21.9	20.5	17.8	15.7	15.0	14.4	14.4	14.4	14.4
142.5°	15.7	15.7	16.4	15.0	13.0	11.6	10.9	10.9	10.9	10.9	10.9
145°	10.3	10.9	10.9	10.3	8.9	8.2	7.5	6.8	6.8	6.8	6.8
147.5°	5.5	6.2	6.8	6.2	5.5	4.8	4.1	4.1	3.4	3.4	3.4
150°	2.7	2.7	3.4	3.4	2.7	2.1	1.4	1.4	1.4	0.7	0.7
152.5°	1.4	1.4	2.1	2.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0
155°	1.4	1.4	2.1	2.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0
157.5°	1.4	1.4	1.4	2.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0
160°	1.4	1.4	1.4	2.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)