

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: P212577

Luminaire Tested: **MPB-AF-D-U-ASYM-7030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212577
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-7030-800
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND ASYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3483.2 lumens
Efficiency: N/A
Efficacy: 79.2 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): 44
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



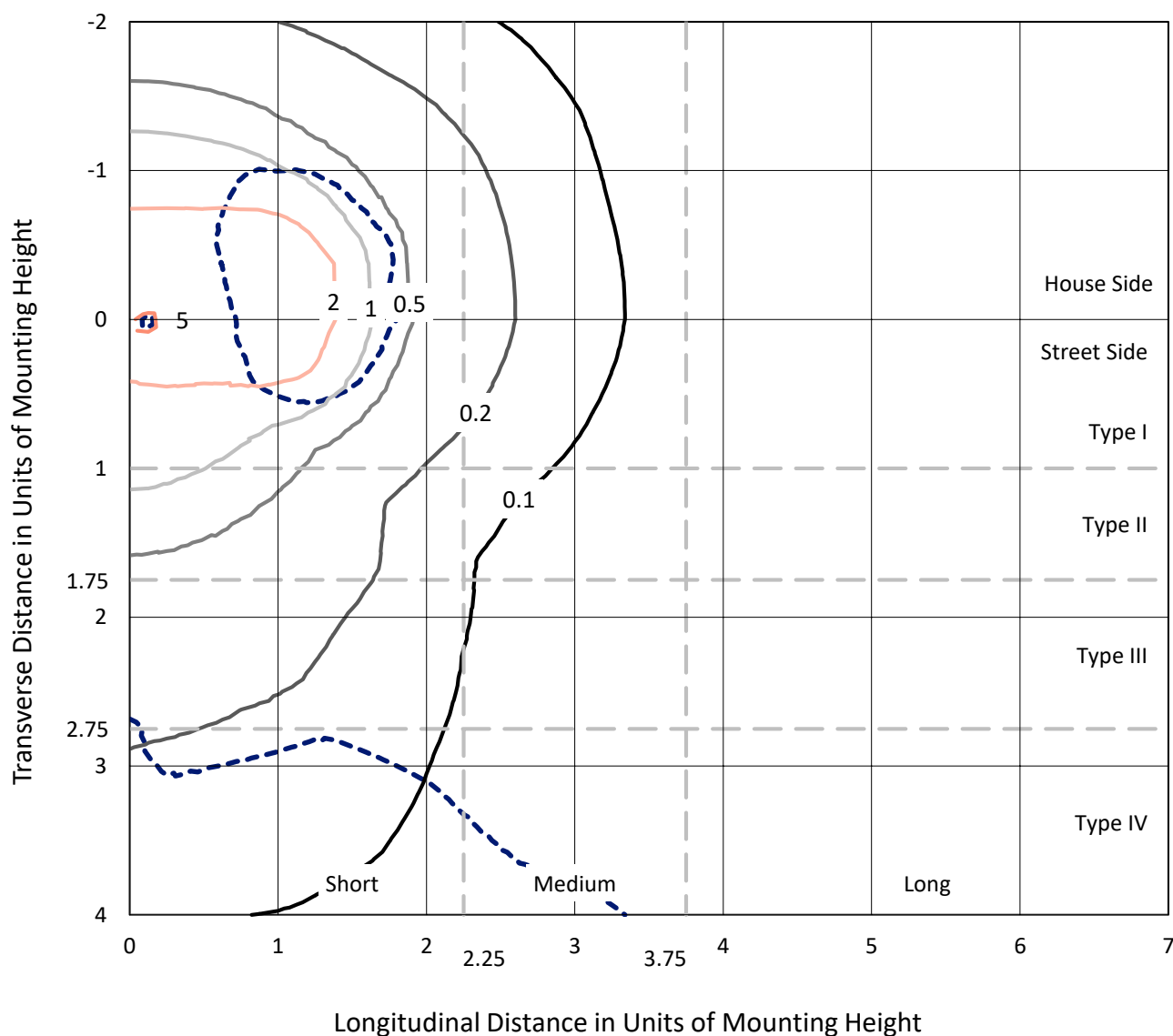
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

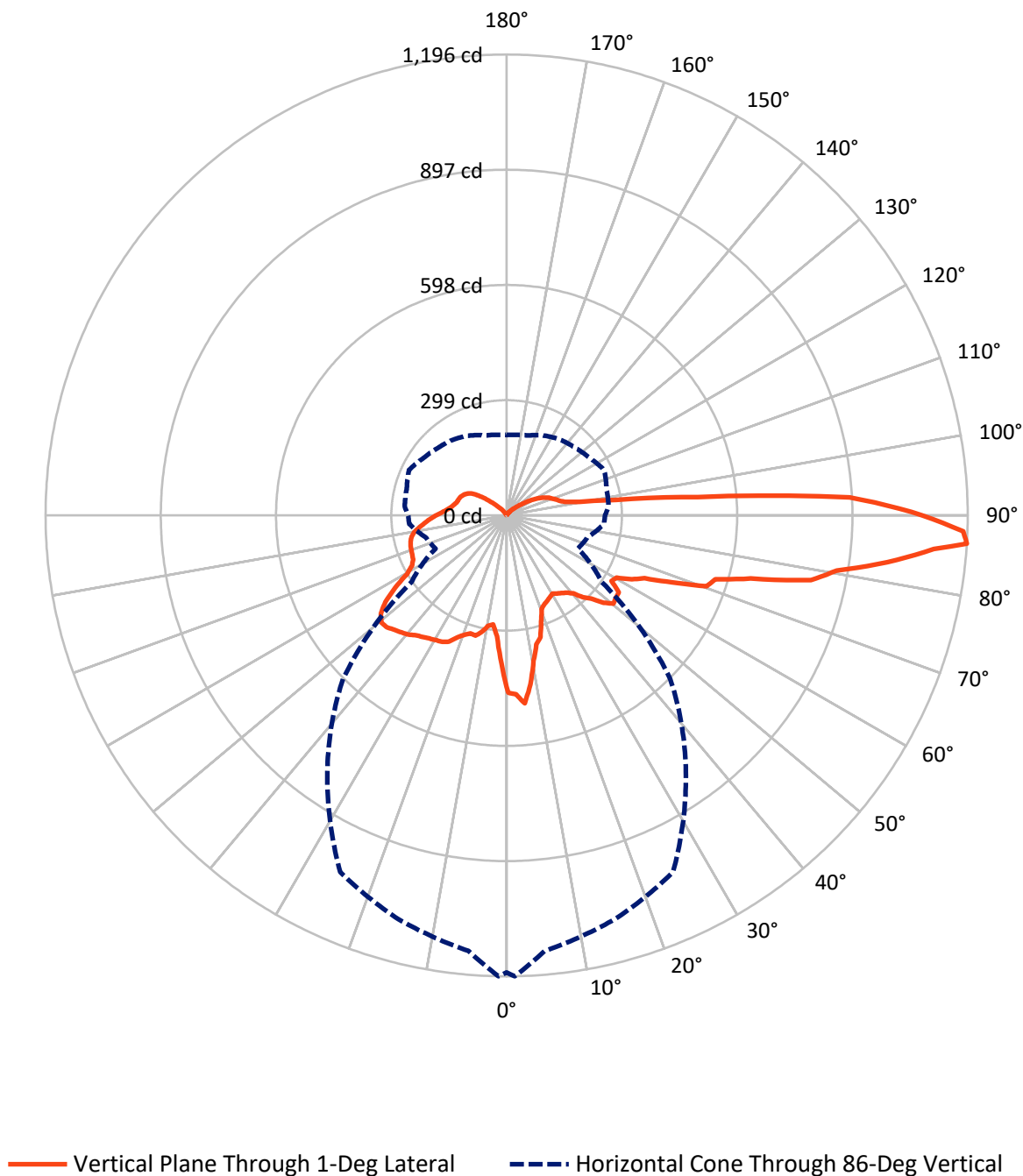


Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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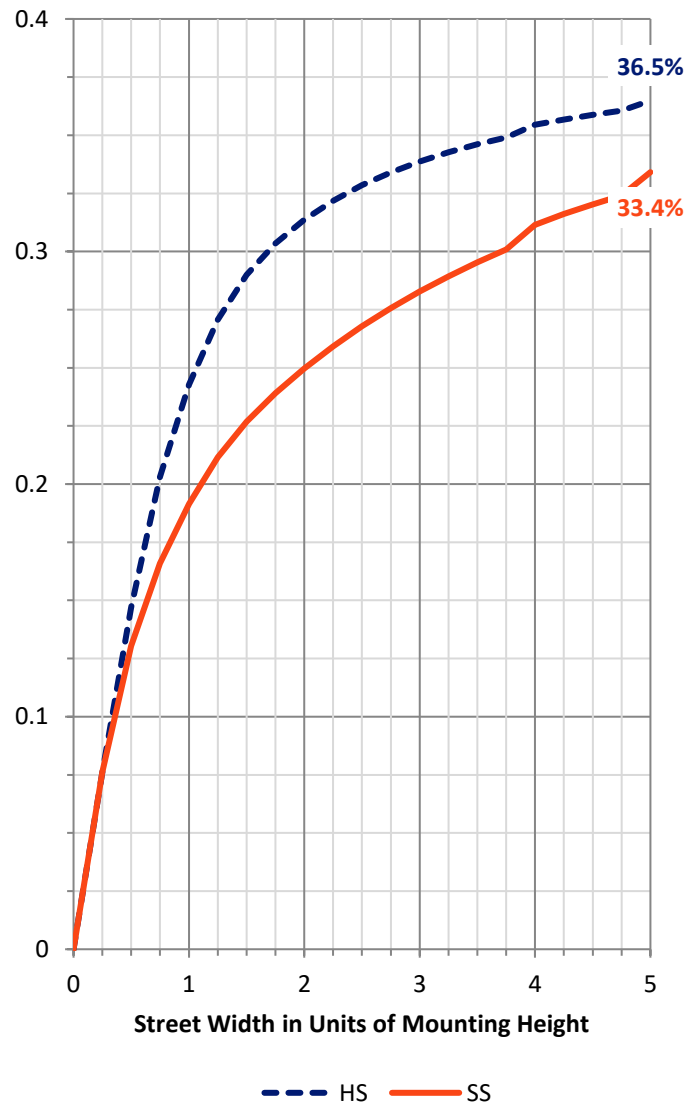
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1346.8	330.1	1677.0
	% Fixture	38.7	9.5	48.1
Street Side	Lumens	1416.7	389.6	1806.2
	% Fixture	40.7	11.2	51.9
Total	Lumens	2763.5	719.7	3483.2
	% Fixture	79.3	20.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.0	1.3
10°-20°	107.2	3.1
20°-30°	166.4	4.8
30°-40°	266.4	7.6
40°-50°	440.0	12.6
50°-60°	475.2	13.6
60°-70°	363.4	10.4
70°-80°	429.0	12.3
80°-90°	472.0	13.6
90°-100°	286.6	8.2
100°-110°	145.9	4.2
110°-120°	141.9	4.1
120°-130°	104.2	3.0
130°-140°	33.1	0.9
140°-150°	7.3	0.2
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2763.5	79.3
0°-180°	3483.2	100.0

Coefficient of Utilization



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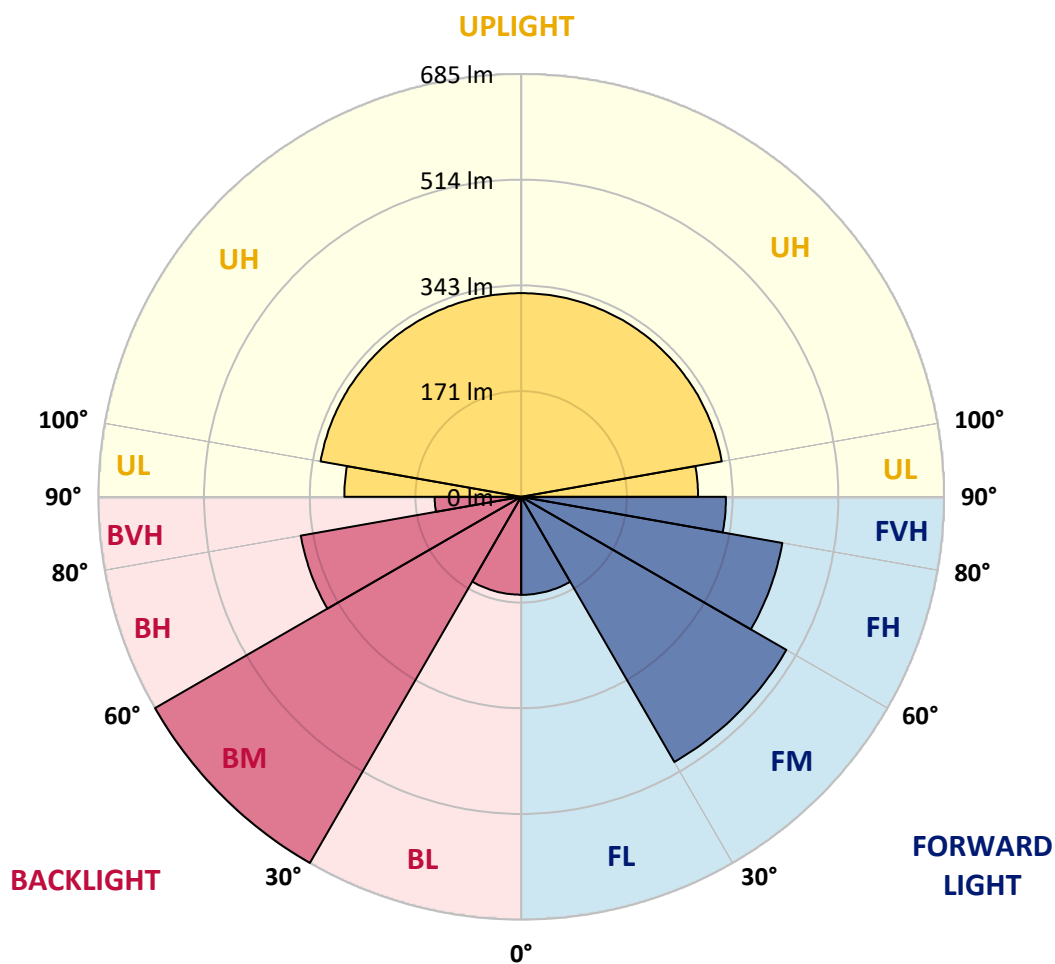
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	158.9	4.6			
FM	(30°-60°)	496.3	14.2			
FH	(60°-80°)	429.7	12.3			G0/660
FVH	(80°-90°)	331.8	9.5			G3/500
BL	(0°-30°)	158.7	4.6	B1/500		
BM	(30°-60°)	685.3	19.7	B1/1000		
BH	(60°-80°)	362.7	10.4	B1/500		G1/500
BVH	(80°-90°)	140.2	4.0			G2/225
UL	(90°-100°)	286.6	8.2		U3/500	
UH	(100°-180°)	330.1	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°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1
2.5°	466.0	465.0	463.0	466.0	469.0	491.9	506.7	504.8	486.9	478.9	473.0
5°	496.8	489.9	484.9	492.9	492.9	534.6	555.5	524.7	518.7	533.6	517.7
7.5°	445.1	443.2	441.2	450.1	467.0	540.5	552.4	623.0	643.9	619.1	616.1
10°	380.6	383.5	380.6	428.3	494.8	545.5	478.9	496.8	529.6	540.5	487.8
12.5°	339.8	343.8	347.8	378.6	396.5	380.6	411.4	423.3	444.1	441.2	419.3
15°	324.0	327.9	325.9	312.0	331.9	360.7	385.6	409.4	433.2	410.4	410.4
17.5°	299.0	290.2	288.1	274.2	309.0	348.8	394.4	427.3	421.3	456.0	486.9
20°	261.3	258.4	258.4	265.3	295.1	343.8	426.2	499.8	549.5	510.8	464.0
22.5°	251.4	250.4	254.4	266.3	295.1	319.9	356.7	388.5	393.4	389.5	388.5
25°	245.4	245.4	249.4	263.3	274.2	293.1	337.8	365.7	367.7	387.5	387.5
27.5°	242.4	239.5	239.5	253.4	268.2	297.1	320.9	346.8	359.7	399.5	465.0
30°	236.4	235.5	236.4	250.4	273.3	292.2	323.0	344.8	363.7	403.4	422.3
32.5°	239.5	241.5	238.5	248.5	266.3	292.2	327.9	362.6	376.6	446.1	478.9
35°	247.4	247.4	243.4	248.5	262.3	288.1	331.9	384.6	410.4	500.8	549.5
37.5°	251.4	254.4	253.4	261.3	276.2	297.1	333.9	403.4	456.0	539.5	630.0
40°	266.3	266.3	267.2	281.2	292.2	306.0	334.9	413.3	515.7	586.3	731.3
42.5°	287.1	290.2	286.2	285.2	294.1	313.0	334.9	409.4	589.2	656.8	849.6
45°	304.1	308.0	305.1	312.0	311.1	325.9	334.9	400.4	611.1	734.3	953.9
47.5°	342.9	338.8	342.9	344.8	335.9	341.8	346.8	398.5	606.2	825.7	1011.5
50°	358.7	359.7	356.7	350.7	348.8	342.9	347.8	384.6	589.2	887.3	1048.3
52.5°	357.7	354.8	358.7	349.7	342.9	340.8	332.9	360.7	556.5	857.5	959.8
55°	356.7	352.7	345.8	333.9	322.0	319.9	316.0	334.9	480.0	718.4	842.6
57.5°	320.9	320.9	317.0	317.0	307.0	297.1	297.1	291.2	401.4	582.2	724.4
60°	326.9	327.9	324.0	329.9	323.0	295.1	299.0	260.4	335.9	440.2	529.6
62.5°	368.6	364.7	355.7	355.7	346.8	301.1	280.2	251.4	303.1	375.6	442.2
65°	396.5	393.4	394.4	401.4	391.5	334.9	312.0	254.4	291.2	359.7	418.4
67.5°	461.1	463.0	466.0	484.9	450.1	379.6	347.8	261.3	286.2	356.7	412.3
70°	573.3	550.4	533.6	491.9	477.9	392.5	356.7	268.2	282.2	356.7	408.4
72.5°	559.4	566.4	557.4	573.3	569.4	458.1	366.7	279.3	279.3	350.7	407.4
75°	662.8	653.8	673.7	736.3	668.8	526.6	426.2	291.2	271.3	339.8	399.5
77.5°	809.8	806.9	783.9	766.1	726.4	557.4	494.8	324.0	252.4	317.0	376.6
80°	878.3	868.4	884.3	848.6	829.7	641.9	487.8	310.0	230.5	288.1	341.8
82.5°	1000.6	995.7	1005.5	1101.0	946.0	735.3	536.6	317.0	215.6	257.3	303.1
85°	1106.9	1111.9	1144.7	1108.9	1027.5	802.8	567.4	330.8	207.7	228.6	267.2
86°	1186.4	1196.4	1134.8	1085.1	1021.5	810.8	600.2	301.1	203.7	217.6	253.4
87.5°	1170.5	1185.5	1163.5	1142.7	1066.2	836.6	613.1	268.2	199.7	201.7	233.5
90°	1084.1	1051.3	1087.0	1119.8	981.7	755.2	551.4	277.2	181.8	180.8	205.7
92.5°	895.3	891.3	869.5	862.5	778.0	609.1	463.0	231.5	166.9	161.9	182.8
95°	530.6	498.8	481.9	567.4	515.7	469.0	340.8	215.6	150.0	145.1	160.9
97.5°	297.1	287.1	276.2	315.0	327.9	294.1	220.6	158.0	133.2	133.2	145.1
100°	200.7	192.7	189.8	190.8	206.7	190.8	159.0	129.1	120.2	125.2	134.2
102.5°	156.0	155.0	152.0	154.1	157.0	147.1	133.2	122.3	118.2	125.2	130.1
105°	142.0	142.0	139.1	138.1	141.1	132.2	125.2	118.2	120.2	130.1	133.2
107.5°	133.2	134.2	130.1	130.1	130.1	125.2	119.2	116.3	124.2	137.1	140.1



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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	125.2	125.2	122.3	122.3	123.2	118.2	114.3	114.3	128.2	145.1	149.0
112.5°	117.2	118.2	115.3	115.3	115.3	111.3	109.3	113.3	133.2	155.0	160.9
115°	107.3	107.3	105.3	107.3	107.3	105.3	105.3	113.3	144.1	169.9	178.9
117.5°	95.4	95.4	94.4	97.4	98.3	99.3	102.4	114.3	156.0	186.8	200.7
120°	82.5	82.5	82.5	86.4	88.4	91.4	97.4	112.3	162.9	199.7	214.6
122.5°	68.6	68.6	68.6	71.6	74.5	80.5	88.4	104.3	156.0	192.7	209.7
125°	54.6	54.6	55.6	57.6	61.6	67.5	75.5	90.5	134.2	166.0	183.8
127.5°	43.7	43.7	43.7	45.7	48.7	54.6	61.6	74.5	105.3	132.2	149.0
130°	34.7	34.7	34.7	35.7	37.8	41.7	48.7	59.7	80.5	99.3	112.3
132.5°	27.9	26.9	27.9	27.9	29.8	32.8	36.7	43.7	56.6	70.6	80.5
135°	22.8	22.8	22.8	22.8	23.8	24.8	28.8	31.8	38.8	47.7	52.7
137.5°	17.9	17.9	17.9	17.9	18.9	18.9	20.9	23.8	26.9	32.8	37.8
140°	13.9	13.9	13.9	13.9	13.9	14.9	16.0	16.9	19.9	24.8	28.8
142.5°	10.9	10.9	10.9	10.9	10.9	10.9	11.9	12.9	14.9	17.9	20.9
145°	7.0	8.0	7.0	7.0	7.0	7.0	8.0	8.0	9.9	11.9	13.9
147.5°	3.9	4.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9	7.0	8.0
150°	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	3.0	3.9
152.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
155°	0.0	0.0	0.0	1.0	1.0	1.0	0.0	1.0	1.0	2.0	2.0
157.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
160°	0.0	0.0	0.0	1.0	1.0	1.0	0.0	1.0	1.0	2.0	2.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1
2.5°	471.0	471.0	474.0	474.0	471.0	459.1	441.2	423.3	402.4	387.5	383.5
5°	506.7	490.9	474.0	446.1	422.3	417.4	381.5	348.8	329.9	316.0	314.0
7.5°	616.1	596.2	527.6	508.7	476.9	437.3	336.8	304.1	291.2	286.2	285.2
10°	463.0	437.3	396.5	381.5	375.6	353.8	320.9	301.1	294.1	292.2	290.2
12.5°	405.4	392.5	374.6	361.6	352.7	334.9	316.0	304.1	302.1	308.0	309.0
15°	404.4	409.4	400.4	369.6	344.8	329.9	318.9	317.0	317.9	323.0	322.0
17.5°	499.8	480.0	447.1	400.4	364.7	365.7	363.7	333.9	329.9	322.0	319.9
20°	446.1	426.2	422.3	394.4	384.6	352.7	359.7	346.8	339.8	330.8	327.9
22.5°	386.6	377.6	360.7	353.8	350.7	360.7	360.7	349.7	345.8	341.8	340.8
25°	382.5	383.5	403.4	402.4	373.6	378.6	371.6	359.7	359.7	361.6	359.7
27.5°	465.0	440.2	412.3	411.4	399.5	412.3	390.5	373.6	372.6	369.6	367.7
30°	425.2	425.2	432.2	430.3	421.3	414.3	402.4	386.6	380.6	373.6	371.6
32.5°	482.9	486.9	502.8	484.9	463.0	442.2	421.3	398.5	386.6	377.6	376.6
35°	533.6	541.5	586.3	549.5	520.6	475.9	444.1	410.4	392.5	384.6	382.5
37.5°	599.2	606.2	680.7	622.0	576.3	512.8	469.0	424.3	401.4	390.5	389.5
40°	686.6	687.6	768.1	715.4	661.8	553.5	483.9	435.2	413.3	401.4	400.4
42.5°	802.8	796.9	896.3	845.6	731.3	583.2	490.9	438.2	417.4	409.4	408.4
45°	911.2	903.2	984.8	963.9	762.1	602.1	499.8	448.2	424.3	417.4	415.3
47.5°	983.7	995.7	1054.2	1049.3	781.0	610.1	514.7	459.1	433.2	426.2	425.2
50°	1059.3	1073.1	1131.7	1044.3	792.9	616.1	525.6	467.0	437.3	429.3	427.3
52.5°	1076.1	1080.1	1119.8	989.7	767.1	598.2	516.7	457.0	425.2	416.4	413.3
55°	962.8	933.1	1063.2	856.5	699.5	545.5	483.9	428.3	396.5	389.5	385.6
57.5°	797.9	752.1	855.5	708.4	597.2	485.9	430.3	385.6	355.7	347.8	343.8
60°	591.2	551.4	623.0	542.6	484.9	399.5	354.8	328.9	305.1	300.0	299.0
62.5°	486.9	468.0	503.8	463.0	417.4	356.7	323.0	301.1	280.2	278.2	278.2
65°	450.1	446.1	467.0	438.2	397.5	343.8	313.0	292.2	272.3	269.3	268.2
67.5°	434.2	435.2	445.1	431.2	395.5	341.8	311.1	289.1	269.3	266.3	265.3
70°	429.3	429.3	429.3	431.2	398.5	341.8	311.1	290.2	268.2	264.3	263.3
72.5°	426.2	426.2	419.3	427.3	395.5	339.8	311.1	289.1	267.2	262.3	261.3
75°	414.3	415.3	406.4	419.3	385.6	335.9	310.0	287.1	264.3	259.4	258.4
77.5°	388.5	390.5	384.6	401.4	368.6	327.9	305.1	283.2	260.4	254.4	253.4
80°	348.8	357.7	354.8	370.6	341.8	312.0	292.2	272.3	250.4	245.4	244.4
82.5°	306.0	317.0	318.9	330.8	308.0	287.1	270.3	254.4	234.5	230.5	229.6
85°	269.3	279.3	283.2	293.1	274.2	260.4	248.5	235.5	219.6	215.6	214.6
86°	255.3	265.3	268.2	279.3	261.3	249.4	240.5	228.6	214.6	209.7	208.7
87.5°	235.5	244.4	249.4	258.4	242.4	233.5	227.6	218.6	205.7	201.7	200.7
90°	207.7	216.7	219.6	224.5	211.6	206.7	204.6	198.7	189.8	185.8	185.8
92.5°	183.8	191.8	194.7	197.8	186.8	182.8	183.8	180.8	174.9	171.9	170.9
95°	161.9	168.9	170.9	173.9	165.0	164.0	168.9	167.9	162.9	160.0	159.0
97.5°	146.1	151.0	153.1	154.1	149.0	151.0	156.0	157.0	154.1	151.0	150.0
100°	135.2	138.1	141.1	143.1	138.1	141.1	147.1	148.0	146.1	144.1	143.1
102.5°	131.1	133.2	138.1	140.1	134.2	135.2	140.1	142.0	140.1	138.1	138.1
105°	134.2	135.2	143.1	146.1	137.1	134.2	136.1	138.1	135.2	134.2	134.2
107.5°	141.1	142.0	153.1	156.0	146.1	138.1	136.1	136.1	134.2	132.2	132.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	150.0	153.1	165.0	170.9	159.0	143.1	136.1	135.2	133.2	130.1	131.1
112.5°	162.9	165.0	178.9	186.8	172.8	148.0	136.1	133.2	130.1	128.2	129.1
115°	181.8	180.8	197.8	204.6	185.8	153.1	137.1	130.1	127.2	125.2	125.2
117.5°	203.7	201.7	218.6	218.6	195.8	157.0	137.1	127.2	123.2	121.3	121.3
120°	218.6	214.6	233.5	225.5	196.8	157.0	136.1	123.2	118.2	116.3	115.3
122.5°	215.6	211.6	233.5	215.6	181.8	145.1	127.2	116.3	110.2	108.3	107.3
125°	188.8	184.9	198.7	181.8	153.1	121.3	107.3	98.3	95.4	93.4	93.4
127.5°	153.1	150.0	153.1	142.0	120.2	97.4	86.4	80.5	78.4	77.5	77.5
130°	112.3	113.3	115.3	107.3	90.5	75.5	66.5	62.6	61.6	60.6	60.6
132.5°	81.5	81.5	83.5	78.4	65.6	56.6	51.7	48.7	48.7	47.7	47.7
135°	54.6	55.6	57.6	54.6	46.7	40.8	37.8	36.7	36.7	35.7	35.7
137.5°	38.8	40.8	41.7	38.8	34.7	30.8	27.9	26.9	27.9	26.9	26.9
140°	29.8	30.8	31.8	29.8	25.8	22.8	21.9	20.9	20.9	20.9	20.9
142.5°	22.8	22.8	23.8	21.9	18.9	16.9	16.0	16.0	16.0	16.0	16.0
145°	14.9	16.0	16.0	14.9	12.9	11.9	10.9	9.9	9.9	9.9	9.9
147.5°	8.0	9.0	9.9	9.0	8.0	7.0	6.0	6.0	4.9	4.9	4.9
150°	3.9	3.9	4.9	4.9	3.9	3.0	2.0	2.0	2.0	1.0	1.0
152.5°	2.0	2.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	2.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	3.0	2.0	1.0	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)