

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: P416276

Luminaire Tested: **LXF.LXT-PA1-70-730-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-730-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7299 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

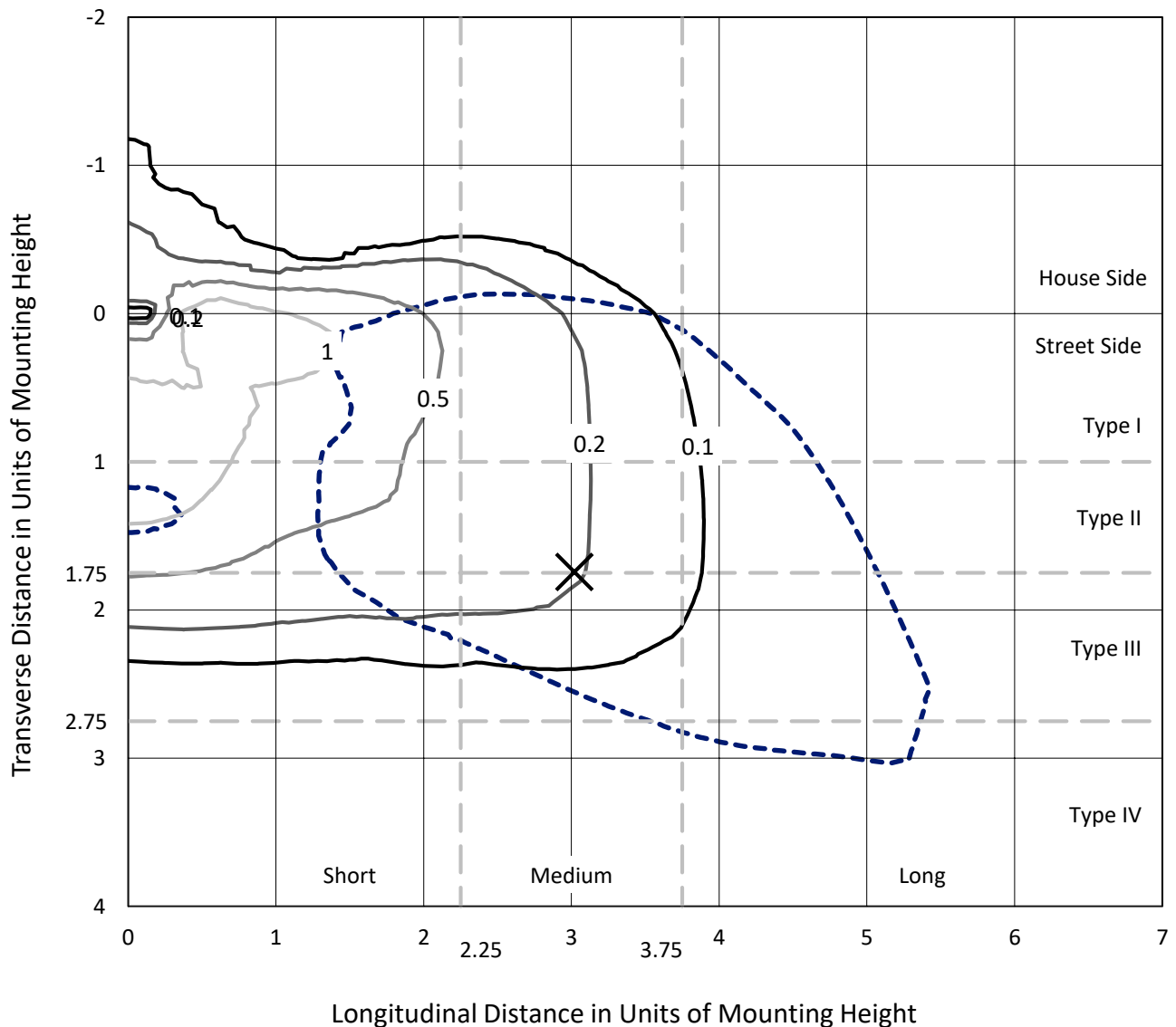
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

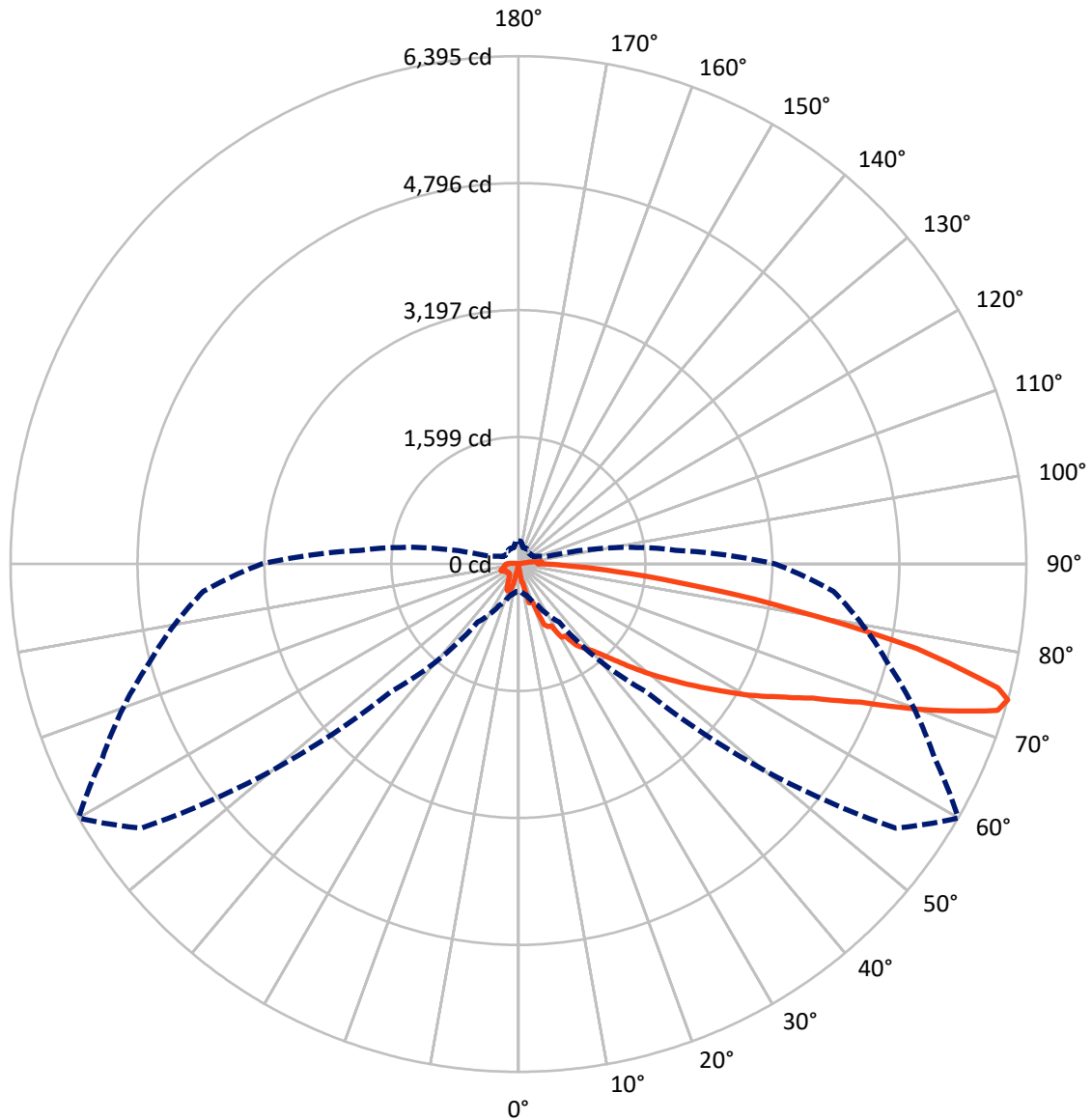
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1120.2	70.9	1191.1
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	6031.8	76.1	6107.9
	% Fixture	82.6	1.0	83.7
Total	Lumens	7152.0	147.0	7299.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.1
10°-20°	93.2	1.3
20°-30°	282.2	3.9
30°-40°	565.0	7.7
40°-50°	969.2	13.3
50°-60°	1477.5	20.2
60°-70°	1820.4	24.9
70°-80°	1521.9	20.9
80°-90°	414.5	5.7
90°-100°	107.1	1.5
100°-110°	19.2	0.3
110°-120°	7.1	0.1
120°-130°	5.4	0.1
130°-140°	3.8	0.1
140°-150°	3.0	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7152.0	98.0
0°-180°	7299.0	100.0



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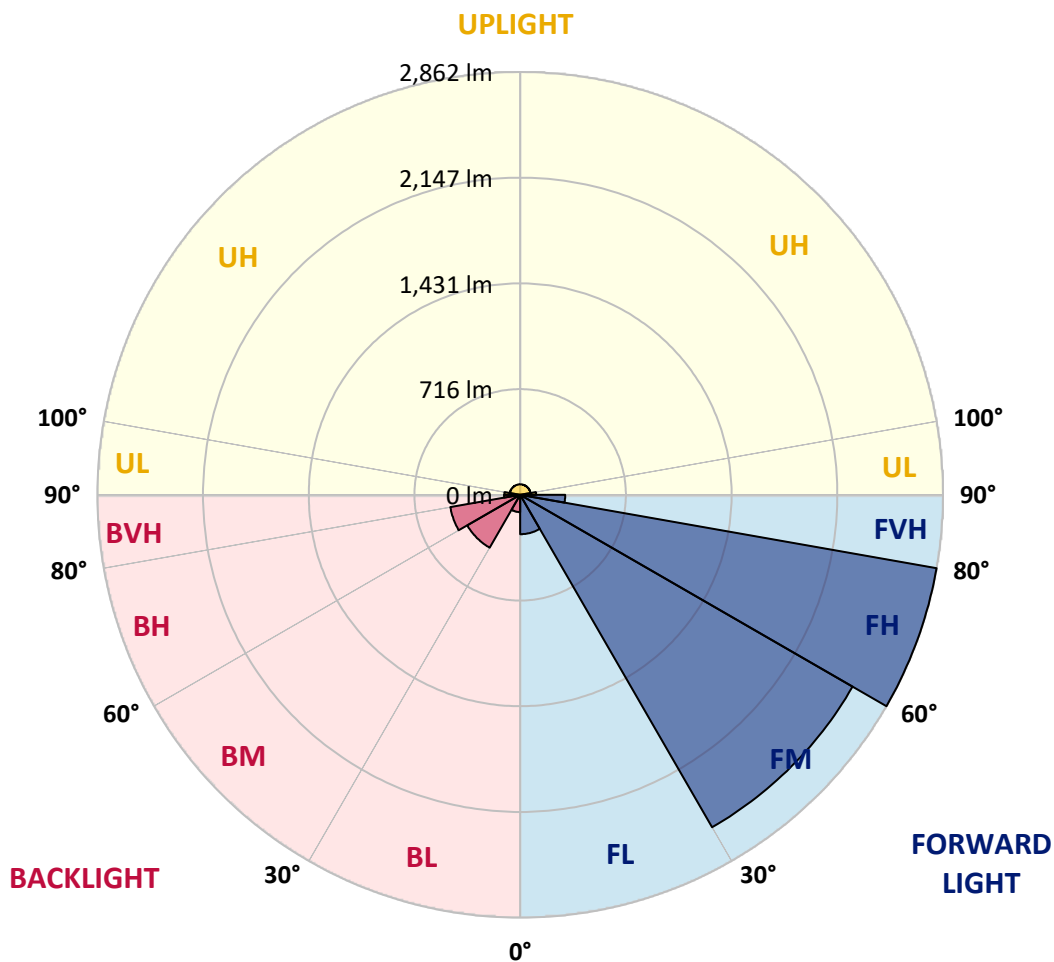
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.5	3.7			
FM (30°-60°)	2598.4	35.6			
FH (60°-80°)	2862.2	39.2			G2/5000
FVH (80°-90°)	304.7	4.2			G3/500
BL (0°-30°)	117.0	1.6	B1/500		
BM (30°-60°)	413.3	5.7	B1/1000		
BH (60°-80°)	480.1	6.6	B1/500		G1/500
BVH (80°-90°)	109.8	1.5			G2/225
UL (90°-100°)	107.1	1.5		U3/500	
UH (100°-180°)	70.9	1.0		U3/500	

BUG Rating: B1-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2.5°	9.2	8.3	7.5	8.3	9.2	8.3	6.7	5.8	5.0	5.0	5.0
5°	243.3	240.0	238.3	185.8	44.2	27.5	10.8	7.5	6.7	5.0	5.0
7.5°	246.6	243.3	244.1	243.3	239.1	239.1	77.5	28.3	15.8	5.8	5.8
10°	260.0	255.0	248.3	247.5	245.8	243.3	239.1	234.1	53.3	9.2	8.3
12.5°	479.9	477.4	474.1	365.8	265.0	246.6	244.1	238.3	183.3	35.0	161.6
15°	476.6	475.8	469.9	472.4	471.6	268.3	304.1	507.4	487.4	353.3	407.4
17.5°	499.9	497.4	479.9	469.1	469.9	535.8	497.4	500.8	502.4	446.6	436.6
20°	678.2	674.1	672.4	653.2	477.4	629.1	641.6	519.9	532.4	693.2	774.9
22.5°	686.6	680.7	674.1	669.1	753.2	626.6	678.2	828.2	790.7	917.4	864.9
25°	927.4	911.5	845.7	684.9	752.4	721.6	877.4	873.2	826.5	957.4	924.9
27.5°	1004.0	993.2	944.9	908.2	767.4	864.0	872.4	881.5	1039.8	1320.6	1230.6
30°	1344.8	1260.6	1043.2	1020.7	915.7	871.5	997.3	1069.0	1169.8	1326.5	1301.5
32.5°	1539.8	1498.9	1394.0	1233.1	1072.3	953.2	1081.5	1081.5	1175.7	1603.1	1645.6
35°	1855.6	1723.9	1518.9	1409.8	1223.1	1140.7	1114.8	1255.6	1389.8	1683.9	1681.4
37.5°	1969.7	1957.2	1880.6	1545.6	1438.1	1240.6	1299.8	1343.1	1456.4	1800.6	1795.6
40°	2032.2	2059.7	2065.5	1838.9	1597.3	1433.1	1412.3	1436.5	1545.6	1964.7	1901.4
42.5°	2243.8	2253.8	2284.7	2026.4	1835.6	1643.1	1584.8	1574.8	1650.6	2155.5	2041.4
45°	2585.4	2590.4	2567.9	2242.2	2029.7	1851.4	1786.4	1748.1	1814.7	2344.6	2218.8
47.5°	2977.1	2988.7	2880.4	2486.3	2206.3	2052.2	2017.2	1958.0	2000.5	2515.5	2439.6
50°	3288.7	3285.3	3092.0	2683.8	2384.6	2258.0	2247.2	2192.2	2197.2	2722.9	2677.9
52.5°	3369.5	3364.5	3199.5	2829.6	2547.1	2472.1	2521.3	2436.3	2392.1	2937.9	2925.4
55°	3247.8	3257.0	3179.5	2890.4	2650.4	2660.4	2787.9	2714.6	2654.6	3141.2	3161.2
57.5°	3072.0	3061.2	3072.9	2913.7	2731.3	2844.6	3105.4	3013.7	2956.2	3371.2	3393.7
60°	2746.3	2731.3	2882.1	2888.7	2806.2	3052.9	3442.8	3353.7	3272.8	3613.6	3589.5
62.5°	2250.5	2231.3	2503.8	2735.4	2892.1	3297.0	3776.1	3679.4	3601.1	3871.1	3825.3
65°	1498.1	1588.9	1908.0	2400.5	2860.4	3648.6	4216.9	4071.9	3929.4	4135.2	4126.9
67.5°	869.0	934.0	1168.2	1707.2	2599.6	3949.4	4915.9	4641.0	4395.2	4434.3	4415.2
70°	539.1	559.1	660.7	984.9	1832.2	3850.3	5690.8	5513.3	4992.6	4767.6	4460.2
72.5°	418.3	431.6	489.9	643.2	1114.0	2977.9	6059.1	6308.2	5595.8	4855.1	4238.5
74°	342.4	350.8	411.6	575.7	894.0	2270.5	5797.5	6394.9	5780.8	4812.6	3983.6
75°	270.8	279.1	347.4	552.4	849.9	1811.4	5410.0	6234.1	5786.6	4746.8	3676.1
77.5°	165.8	171.6	187.5	381.6	772.4	1034.8	3991.9	5131.7	5128.4	3941.9	2636.3
80°	131.6	133.3	140.0	200.8	629.1	938.2	2528.0	3542.0	3516.1	2366.3	1350.6
82.5°	90.8	97.5	110.8	130.0	334.9	919.0	1593.9	2200.5	1898.0	900.7	564.9
85°	60.8	65.8	84.2	96.7	179.1	978.2	1144.0	1238.1	934.0	445.8	372.4
87.5°	25.0	25.8	38.3	46.7	72.5	469.1	769.9	613.2	429.9	282.5	303.3
90°	13.3	13.3	10.0	10.8	26.7	100.8	251.6	244.1	202.5	232.5	285.0
92.5°	15.0	15.0	10.0	10.8	25.8	79.2	272.5	278.3	232.5	247.5	305.0
95°	16.7	16.7	10.0	10.0	25.0	54.2	261.6	294.1	239.1	260.0	307.5
97.5°	18.3	19.2	9.2	9.2	20.0	40.8	164.1	200.8	155.8	135.0	147.5
100°	19.2	19.2	8.3	8.3	13.3	29.2	75.8	96.7	75.0	35.0	24.2
102.5°	19.2	20.0	8.3	7.5	9.2	18.3	24.2	35.0	27.5	20.8	22.5
105°	18.3	20.0	8.3	7.5	7.5	10.0	12.5	14.2	15.0	15.0	23.3
107.5°	14.2	15.8	6.7	7.5	6.7	6.7	5.0	5.8	7.5	13.3	23.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	10.0	10.0	5.0	6.7	5.8	6.7	4.2	5.0	6.7	10.0	19.2
112.5°	5.0	4.2	3.3	5.0	5.0	5.8	4.2	4.2	5.8	8.3	13.3
115°	3.3	4.2	2.5	3.3	4.2	4.2	3.3	4.2	5.0	8.3	14.2
117.5°	3.3	3.3	2.5	3.3	4.2	3.3	3.3	4.2	5.0	8.3	14.2
120°	4.2	3.3	2.5	3.3	3.3	2.5	3.3	4.2	4.2	8.3	14.2
122.5°	4.2	4.2	3.3	3.3	3.3	2.5	3.3	3.3	4.2	8.3	13.3
125°	5.0	4.2	3.3	3.3	3.3	2.5	3.3	3.3	4.2	7.5	12.5
127.5°	5.0	5.0	3.3	3.3	4.2	2.5	3.3	3.3	4.2	6.7	11.7
130°	5.0	5.0	4.2	3.3	4.2	3.3	3.3	3.3	4.2	5.8	10.0
132.5°	5.0	5.0	4.2	4.2	4.2	3.3	3.3	3.3	3.3	5.0	8.3
135°	5.8	5.0	4.2	4.2	5.0	3.3	3.3	3.3	3.3	4.2	5.8
137.5°	5.8	5.8	5.0	5.0	5.8	4.2	3.3	4.2	4.2	4.2	5.0
140°	6.7	6.7	6.7	5.8	5.8	4.2	4.2	4.2	4.2	5.0	5.0
142.5°	8.3	7.5	7.5	6.7	5.8	4.2	4.2	4.2	5.0	5.0	5.0
145°	9.2	9.2	8.3	7.5	5.8	4.2	4.2	5.0	5.0	5.8	5.8
147.5°	9.2	9.2	8.3	6.7	5.0	3.3	4.2	5.0	5.0	5.8	6.7
150°	9.2	8.3	7.5	5.8	4.2	2.5	3.3	4.2	5.0	5.8	6.7
152.5°	6.7	6.7	5.8	4.2	3.3	1.7	2.5	3.3	4.2	5.0	5.8
155°	4.2	4.2	3.3	2.5	2.5	1.7	2.5	3.3	3.3	4.2	5.0
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	3.3	3.3
160°	0.8	0.8	1.7	0.8	1.7	1.7	1.7	2.5	2.5	2.5	2.5
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°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2.5°	5.0	5.0	5.0	4.2	4.2	2.5	3.3	3.3	4.2	5.0	5.8
5°	5.0	5.8	5.0	4.2	4.2	3.3	4.2	4.2	4.2	5.8	5.8
7.5°	5.8	5.8	5.0	5.0	4.2	3.3	5.8	180.0	206.6	213.3	215.0
10°	7.5	7.5	6.7	5.8	5.0	194.1	214.1	214.1	212.5	214.1	214.1
12.5°	165.8	178.3	28.3	14.2	160.0	201.6	196.6	193.3	190.0	186.6	185.0
15°	403.3	390.8	358.3	269.1	248.3	185.0	170.0	235.8	251.6	255.8	255.0
17.5°	425.8	405.8	356.6	374.1	328.3	236.6	213.3	211.6	202.5	202.5	203.3
20°	800.7	754.9	486.6	364.9	285.0	286.6	182.5	162.5	170.0	180.8	187.5
22.5°	822.4	762.4	569.1	474.9	256.6	231.6	178.3	157.5	212.5	234.1	235.8
25°	877.4	781.5	576.6	399.9	290.0	190.0	177.5	164.1	195.0	215.0	213.3
27.5°	1188.2	1054.0	732.4	368.3	229.1	179.1	167.5	157.5	194.1	226.6	225.8
30°	1186.5	1039.0	676.6	339.1	189.1	166.6	152.5	171.6	180.8	193.3	194.1
32.5°	1540.6	1320.6	739.9	281.6	167.5	144.1	150.8	156.6	164.1	195.8	202.5
35°	1548.1	1291.5	642.4	258.3	154.1	137.5	141.6	155.0	170.8	190.8	192.5
37.5°	1578.1	1276.5	533.3	213.3	158.3	139.1	147.5	162.5	158.3	185.8	189.1
40°	1633.1	1280.6	448.3	190.8	155.8	139.1	154.1	156.6	157.5	171.6	173.3
42.5°	1718.1	1303.1	376.6	180.8	153.3	150.8	149.1	150.0	144.1	172.5	175.8
45°	1838.9	1349.8	321.6	177.5	153.3	175.8	155.8	150.0	137.5	198.3	212.5
47.5°	2017.2	1441.4	289.1	178.3	154.1	168.3	154.1	145.8	143.3	231.6	241.6
50°	2218.8	1546.4	267.5	181.6	154.1	165.8	151.6	150.0	159.1	235.0	237.5
52.5°	2435.5	1686.4	260.0	185.0	165.8	168.3	172.5	171.6	153.3	188.3	188.3
55°	2655.4	1831.4	262.5	189.1	175.0	172.5	184.1	162.5	131.6	140.0	138.3
57.5°	2862.9	2000.5	280.0	186.6	169.1	170.8	185.8	152.5	131.6	140.0	143.3
60°	3087.9	2183.8	328.3	180.0	166.6	165.8	183.3	160.8	131.6	160.8	161.6
62.5°	3362.0	2436.3	433.3	186.6	180.0	170.8	184.1	177.5	150.8	154.1	157.5
65°	3686.1	2697.1	533.3	212.5	190.0	171.6	181.6	186.6	170.8	165.0	164.1
67.5°	3923.6	2761.3	537.4	246.6	203.3	180.8	183.3	203.3	186.6	190.0	188.3
70°	3863.6	2586.3	465.8	260.8	211.6	188.3	188.3	210.8	196.6	225.8	226.6
72.5°	3570.3	2245.5	393.3	241.6	200.8	190.8	209.1	218.3	209.1	271.6	268.3
74°	3233.7	1988.9	361.6	220.0	196.6	190.0	215.0	218.3	215.8	290.0	287.5
75°	2975.4	1787.2	344.1	207.5	194.1	187.5	216.6	219.1	218.3	292.5	291.6
77.5°	2056.4	1207.3	300.8	185.0	190.0	187.5	215.8	224.1	230.0	290.8	288.3
80°	1054.8	660.7	250.8	175.0	188.3	192.5	213.3	216.6	225.8	275.0	272.5
82.5°	529.1	380.8	184.1	160.8	190.8	209.1	214.1	210.0	212.5	253.3	249.1
85°	340.8	263.3	122.5	135.0	194.1	226.6	213.3	195.8	199.1	220.8	219.1
87.5°	274.1	195.0	75.0	105.0	206.6	207.5	195.0	173.3	169.1	173.3	170.8
90°	253.3	180.8	63.3	99.2	200.0	173.3	159.1	141.6	126.6	127.5	122.5
92.5°	272.5	189.1	67.5	98.3	159.1	121.6	116.6	107.5	89.2	79.2	74.2
95°	268.3	181.6	68.3	83.3	116.6	69.2	82.5	75.8	55.0	41.7	39.2
97.5°	129.1	91.7	60.8	65.0	68.3	52.5	70.0	64.2	40.0	25.8	24.2
100°	24.2	34.2	54.2	61.7	54.2	40.8	55.0	49.2	21.7	13.3	12.5
102.5°	23.3	19.2	40.8	55.8	34.2	23.3	30.0	27.5	14.2	10.0	10.0
105°	24.2	19.2	19.2	38.3	20.8	10.8	9.2	13.3	10.0	10.0	10.8
107.5°	25.0	19.2	11.7	12.5	10.0	8.3	6.7	6.7	7.5	10.8	11.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.0	16.7	10.8	10.0	9.2	8.3	6.7	5.8	7.5	11.7	12.5
112.5°	14.2	13.3	10.0	8.3	7.5	7.5	5.8	5.0	7.5	12.5	13.3
115°	14.2	13.3	8.3	7.5	5.8	6.7	5.8	5.0	7.5	14.2	15.0
117.5°	15.0	12.5	8.3	6.7	5.0	5.0	5.0	5.0	8.3	14.2	15.0
120°	15.0	12.5	8.3	5.8	5.0	4.2	5.0	5.0	8.3	14.2	15.8
122.5°	14.2	12.5	7.5	5.8	5.0	4.2	4.2	4.2	7.5	14.2	15.0
125°	13.3	11.7	7.5	5.8	5.0	3.3	4.2	4.2	7.5	13.3	15.0
127.5°	12.5	10.8	7.5	5.8	4.2	3.3	4.2	4.2	7.5	12.5	14.2
130°	10.8	10.0	6.7	5.0	4.2	3.3	4.2	4.2	7.5	11.7	13.3
132.5°	9.2	8.3	5.8	5.0	4.2	3.3	4.2	3.3	5.8	10.8	11.7
135°	6.7	6.7	5.8	4.2	4.2	2.5	3.3	3.3	5.0	8.3	9.2
137.5°	5.8	5.8	5.0	4.2	4.2	2.5	3.3	2.5	4.2	6.7	7.5
140°	5.8	5.8	5.0	4.2	3.3	2.5	2.5	2.5	3.3	5.8	5.8
142.5°	5.8	5.8	5.0	4.2	3.3	2.5	2.5	2.5	3.3	5.0	5.8
145°	5.8	5.8	5.8	5.0	3.3	2.5	2.5	2.5	3.3	5.0	5.0
147.5°	6.7	6.7	5.8	4.2	3.3	1.7	1.7	2.5	3.3	5.0	5.0
150°	6.7	6.7	5.8	4.2	3.3	1.7	0.8	1.7	2.5	4.2	5.0
152.5°	5.8	5.8	5.0	4.2	2.5	1.7	0.8	1.7	2.5	4.2	4.2
155°	5.0	5.0	4.2	3.3	2.5	0.8	0.0	0.8	1.7	3.3	3.3
157.5°	3.3	4.2	3.3	2.5	1.7	0.8	0.0	0.8	0.8	2.5	2.5
160°	3.3	3.3	3.3	2.5	1.7	0.8	0.0	0.0	0.8	1.7	1.7
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)