

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: P417404

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-830-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7709 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

Input Watts (W): 94
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

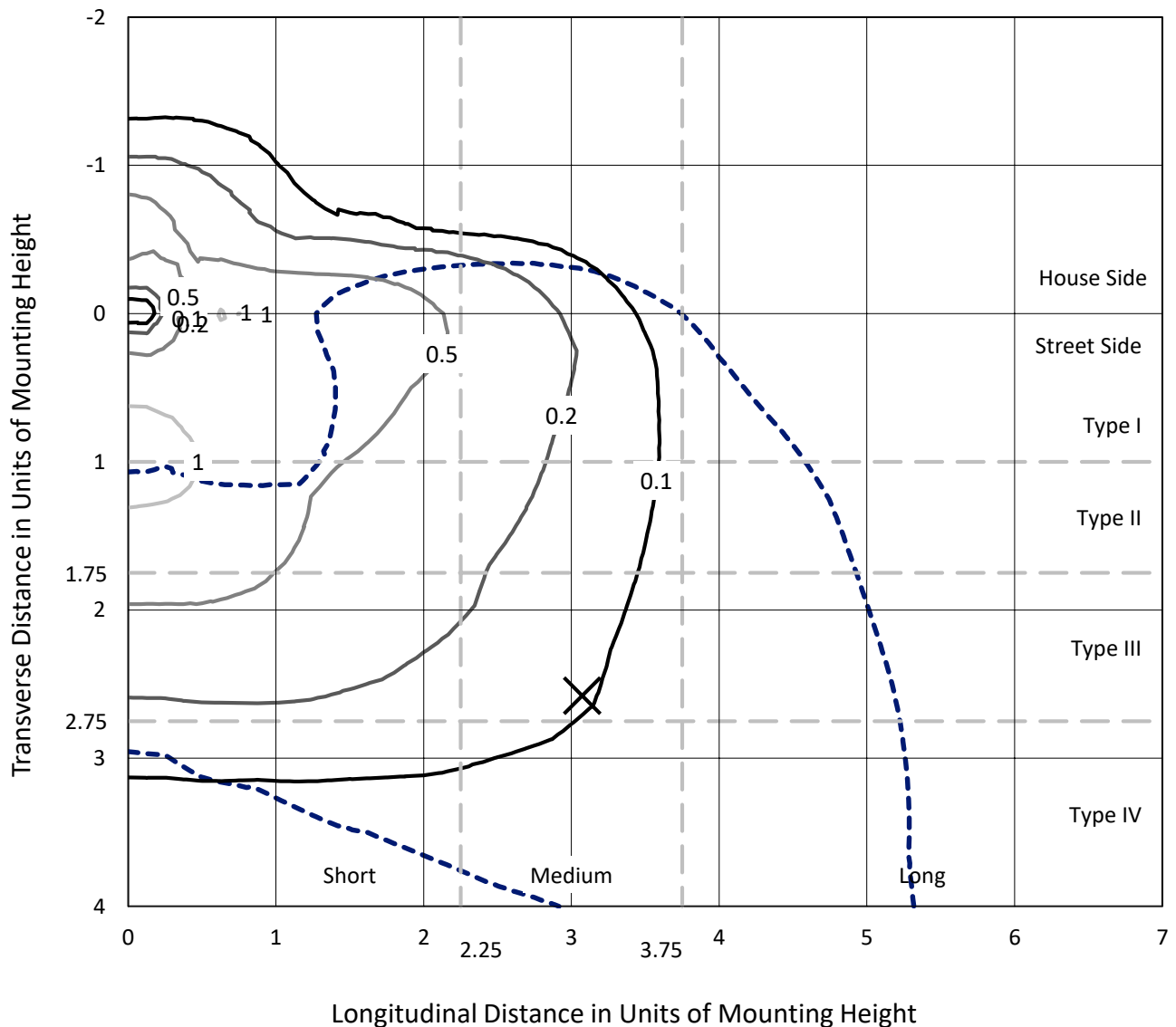


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

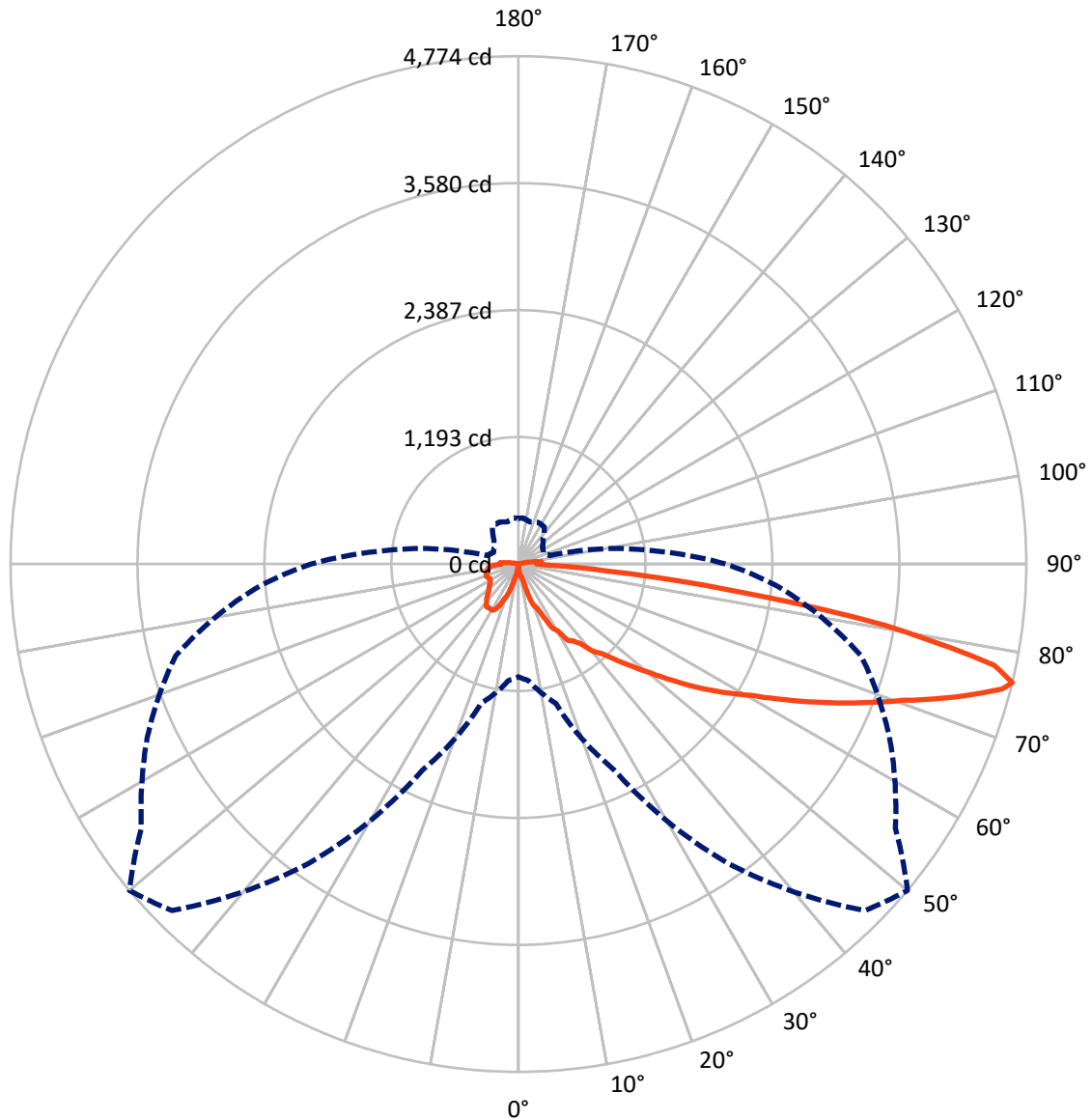


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1682.5	94.8	1777.3
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	5855.6	76.1	5931.7
	% Fixture	76.0	1.0	76.9
Total	Lumens	7538.1	170.9	7709.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	64.3	0.8
20°-30°	251.5	3.3
30°-40°	541.3	7.0
40°-50°	881.9	11.4
50°-60°	1419.8	18.4
60°-70°	2068.0	26.8
70°-80°	1844.9	23.9
80°-90°	462.1	6.0
90°-100°	135.3	1.8
100°-110°	20.1	0.3
110°-120°	5.8	0.1
120°-130°	3.9	0.1
130°-140°	2.6	0.0
140°-150°	2.2	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7538.1	97.8
0°-180°	7709.0	100.0



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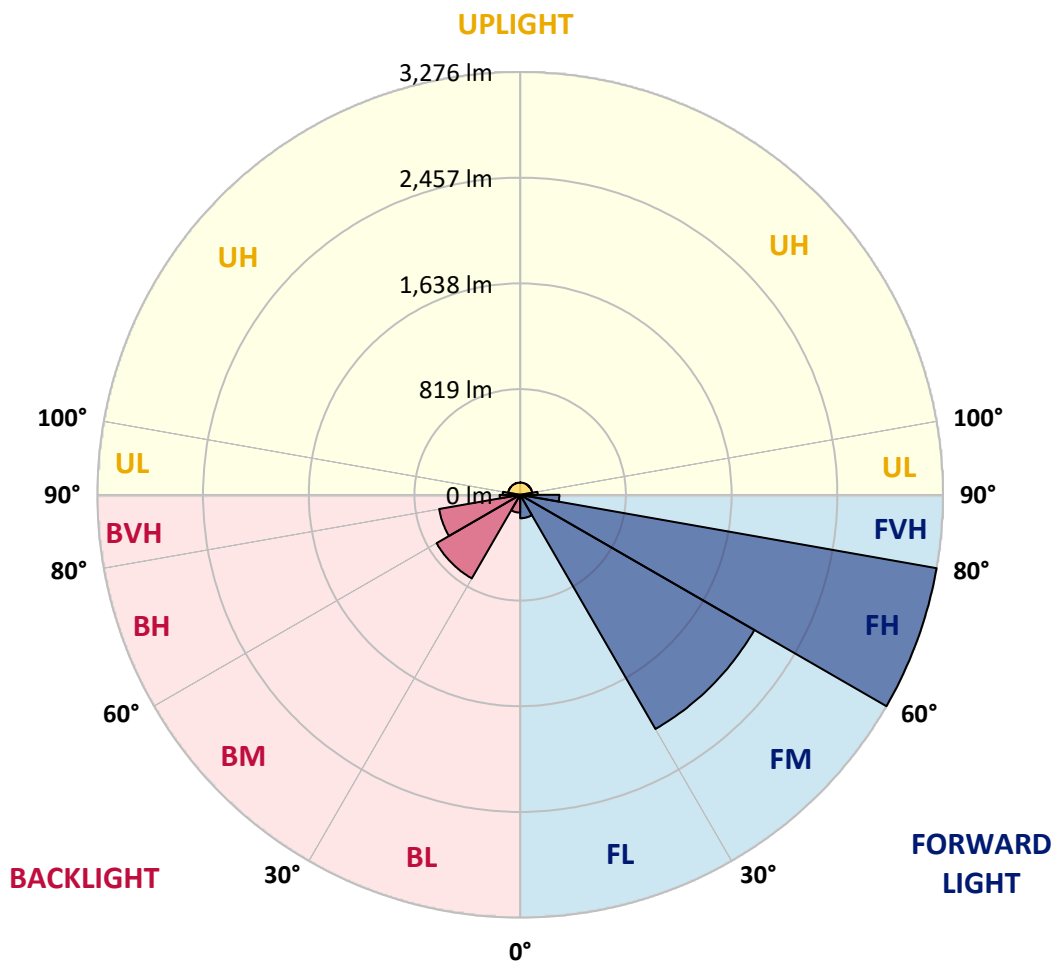
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.8	2.4			
FM	(30°-60°)	2094.8	27.2			
FH	(60°-80°)	3275.6	42.5			G2/5000
FVH	(80°-90°)	303.4	3.9			G3/500
BL	(0°-30°)	138.3	1.8	B1/500		
BM	(30°-60°)	748.1	9.7	B1/1000		
BH	(60°-80°)	637.4	8.3	B2/1000		G2/1000
BVH	(80°-90°)	158.7	2.1			G2/225
UL	(90°-100°)	135.3	1.8		U3/500	
UH	(100°-180°)	94.8	1.2		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	11.1	8.6	7.7	6.9	6.9	6.0	6.0	5.1	5.1	5.1	5.1
5°	108.0	104.5	96.8	90.0	30.8	25.7	21.4	16.3	6.0	6.0	5.1
7.5°	129.4	126.8	121.7	118.2	113.1	105.4	96.8	45.4	18.0	6.9	6.0
10°	169.6	156.8	146.5	137.9	131.9	119.1	115.7	108.8	30.0	12.9	9.4
12.5°	303.3	296.4	286.2	194.5	160.2	137.1	131.9	125.9	97.7	46.3	83.1
15°	334.1	327.3	317.0	304.1	285.3	168.8	158.5	197.1	251.9	189.3	197.9
17.5°	392.4	389.0	361.5	330.7	311.9	331.6	332.4	301.6	286.2	250.2	227.9
20°	544.0	540.6	525.2	446.4	353.0	418.9	417.2	401.8	321.3	369.3	397.5
22.5°	566.3	562.0	548.3	526.9	558.6	459.2	448.1	448.1	473.8	502.1	467.8
25°	745.4	741.1	636.6	554.3	598.9	546.6	548.3	606.6	524.3	550.9	526.0
27.5°	778.8	772.8	764.2	709.4	630.6	692.3	682.8	651.1	682.0	760.8	734.2
30°	909.0	843.0	814.8	783.1	744.5	733.4	729.1	786.5	808.8	803.6	811.3
32.5°	1054.7	1052.1	1024.7	835.3	842.2	788.2	857.6	883.3	849.0	975.8	1057.2
35°	1267.1	1179.7	1126.6	1000.7	876.5	911.6	887.6	914.1	1031.5	1043.5	1121.5
37.5°	1592.7	1587.6	1465.9	1104.3	1011.0	933.0	950.1	1023.8	1100.9	1118.1	1223.4
40°	1861.7	1836.9	1759.8	1376.8	1099.2	1009.2	1077.8	1061.5	1142.9	1202.9	1304.0
42.5°	2061.3	2084.5	2040.8	1593.5	1276.6	1130.0	1150.6	1129.2	1204.6	1316.8	1419.6
45°	2252.4	2243.0	2272.9	1813.7	1447.0	1285.1	1283.4	1231.1	1317.7	1443.6	1579.0
47.5°	2408.3	2394.6	2425.4	2052.8	1643.2	1425.6	1437.6	1369.9	1453.0	1602.1	1815.4
50°	2582.2	2555.7	2576.2	2253.2	1899.4	1628.7	1612.4	1560.1	1607.3	1810.3	2104.2
52.5°	2791.3	2772.4	2735.6	2452.9	2163.3	1837.7	1817.2	1766.6	1818.0	2069.0	2423.7
55°	2978.9	2957.5	2927.5	2727.9	2382.6	2050.2	2051.1	2000.5	2100.7	2351.8	2794.7
57.5°	3174.2	3164.0	3179.4	3035.5	2696.2	2272.1	2277.2	2246.4	2426.3	2642.2	3188.0
60°	3336.2	3320.7	3406.4	3349.9	2974.6	2525.7	2505.1	2538.5	2758.7	2945.5	3586.3
62.5°	3397.9	3408.1	3570.1	3639.5	3244.5	2799.0	2806.7	2852.1	3066.3	3308.8	3970.2
65°	3108.3	3144.3	3596.6	3690.0	3545.2	3102.3	3139.1	3131.4	3381.6	3576.1	4294.0
67.5°	2793.8	2835.0	3326.7	3702.9	3778.3	3458.7	3477.5	3401.3	3653.2	3743.1	4535.6
70°	2571.1	2602.8	3007.2	3630.0	3921.3	3830.5	3839.1	3697.7	3850.2	3939.3	4527.0
72.5°	2185.6	2219.0	2592.5	3355.0	4010.4	4281.2	4281.2	3969.3	4009.6	3935.0	3997.6
75°	1477.0	1489.9	1795.7	2604.5	3780.0	4648.7	4693.3	4265.7	3954.7	3574.3	2981.5
76°	1060.7	1100.1	1356.2	2138.4	3433.0	4606.7	4773.8	4325.7	3847.6	3335.3	2453.7
77.5°	562.0	598.0	800.2	1369.1	2784.4	4283.7	4572.5	4141.5	3508.4	2863.2	1814.6
80°	220.2	217.6	275.0	487.5	1410.2	3258.2	3499.0	3052.6	2373.2	1658.7	861.9
82.5°	120.8	132.8	174.8	257.9	611.7	1797.5	1976.5	1610.7	1211.4	765.1	503.8
85°	77.1	78.8	102.8	159.4	377.8	757.4	831.9	689.7	567.2	469.5	358.1
87.5°	46.3	48.0	54.0	73.7	186.8	222.8	243.3	286.2	325.6	323.0	309.3
90°	31.7	31.7	26.6	29.1	87.4	178.2	171.3	182.5	166.2	210.8	298.1
92.5°	30.8	30.8	25.7	26.6	74.5	197.9	198.8	197.9	175.6	215.0	313.6
95°	27.4	28.3	22.3	23.1	54.8	185.1	217.6	210.8	177.3	216.8	312.7
97.5°	23.1	24.0	17.1	19.7	36.8	125.1	161.9	165.4	110.5	109.7	141.4
100°	17.1	18.0	12.0	15.4	22.3	57.4	86.5	81.4	54.8	30.0	19.7
102.5°	16.3	17.1	10.3	12.0	13.7	19.7	31.7	24.0	20.6	17.1	17.1
105°	18.0	18.0	9.4	8.6	8.6	9.4	7.7	11.1	12.0	12.9	18.0
107.5°	15.4	16.3	6.9	6.9	6.0	6.0	5.1	5.1	6.9	11.1	19.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	12.0	12.0	6.0	6.0	4.3	5.1	5.1	4.3	6.0	8.6	15.4
112.5°	6.9	7.7	3.4	5.1	3.4	4.3	4.3	3.4	5.1	6.0	8.6
115°	6.9	6.9	3.4	2.6	2.6	2.6	3.4	3.4	4.3	6.0	9.4
117.5°	6.9	6.9	3.4	2.6	1.7	2.6	2.6	2.6	4.3	6.0	9.4
120°	6.9	6.9	3.4	1.7	1.7	1.7	1.7	2.6	4.3	6.0	9.4
122.5°	7.7	6.9	3.4	1.7	1.7	1.7	1.7	2.6	4.3	6.0	8.6
125°	7.7	6.9	3.4	1.7	1.7	1.7	1.7	2.6	3.4	5.1	7.7
127.5°	7.7	6.9	3.4	1.7	1.7	1.7	1.7	2.6	3.4	5.1	6.9
130°	6.9	6.9	3.4	1.7	1.7	1.7	1.7	2.6	3.4	5.1	6.9
132.5°	6.9	6.0	3.4	1.7	1.7	1.7	1.7	2.6	3.4	4.3	6.0
135°	6.0	5.1	3.4	1.7	2.6	1.7	2.6	2.6	3.4	4.3	5.1
137.5°	5.1	5.1	3.4	2.6	2.6	2.6	2.6	2.6	3.4	4.3	4.3
140°	6.0	5.1	3.4	3.4	2.6	2.6	2.6	2.6	3.4	4.3	4.3
142.5°	6.9	6.0	4.3	3.4	3.4	2.6	2.6	3.4	3.4	4.3	4.3
145°	6.9	6.9	5.1	4.3	2.6	2.6	2.6	3.4	4.3	4.3	5.1
147.5°	7.7	6.9	5.1	4.3	2.6	1.7	2.6	2.6	4.3	5.1	5.1
150°	6.9	6.9	4.3	3.4	1.7	0.9	1.7	2.6	4.3	5.1	5.1
152.5°	5.1	5.1	3.4	1.7	0.9	0.9	1.7	2.6	3.4	4.3	5.1
155°	3.4	3.4	1.7	0.9	0.0	0.9	0.9	1.7	2.6	3.4	4.3
157.5°	1.7	1.7	0.9	0.0	0.0	0.9	0.9	1.7	2.6	3.4	3.4
160°	0.9	0.0	0.0	0.0	0.0	0.9	0.9	1.7	1.7	2.6	2.6
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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	5.1	4.3	4.3	3.4	3.4	2.6	2.6	2.6	2.6	3.4	4.3
5°	5.1	5.1	4.3	4.3	4.3	3.4	3.4	5.1	6.0	6.9	6.9
7.5°	5.1	5.1	5.1	4.3	5.1	6.9	27.4	78.8	86.5	91.7	93.4
10°	9.4	8.6	7.7	6.9	12.9	87.4	108.0	117.4	121.7	125.9	125.9
12.5°	90.0	90.0	36.8	20.6	88.2	117.4	123.4	130.2	136.2	142.2	143.1
15°	195.3	192.8	185.9	170.5	147.4	132.8	138.8	205.6	241.6	257.9	255.3
17.5°	223.6	220.2	215.9	245.9	256.2	204.8	239.0	265.6	273.3	281.9	281.0
20°	414.7	410.4	319.6	286.2	280.2	343.6	273.3	279.3	293.0	373.5	376.1
22.5°	464.4	459.2	427.5	436.1	327.3	372.7	360.7	377.8	421.5	434.4	436.1
25°	544.0	523.5	484.9	455.8	463.5	389.0	448.9	420.7	436.9	452.4	454.9
27.5°	753.1	741.1	672.5	510.6	472.9	486.6	467.8	457.5	546.6	579.2	581.7
30°	811.3	799.3	713.7	591.2	498.6	498.6	471.2	570.6	574.9	592.0	596.3
32.5°	1102.6	1078.6	907.3	600.6	517.5	476.4	533.8	562.0	630.6	682.0	690.5
35°	1170.3	1149.8	936.4	686.3	500.3	496.1	503.8	592.0	642.6	673.4	680.3
37.5°	1240.6	1217.4	933.0	653.7	530.3	472.9	490.1	553.5	626.3	706.0	716.2
40°	1336.5	1308.3	937.3	611.7	496.9	447.2	460.1	531.2	580.9	630.6	639.1
42.5°	1465.0	1408.5	945.0	574.0	458.4	436.1	438.7	479.8	502.9	523.5	523.5
45°	1638.1	1546.4	947.6	534.6	419.8	410.4	413.8	432.7	441.2	428.4	422.4
47.5°	1870.3	1716.9	979.3	499.5	387.2	382.1	384.7	390.7	386.4	353.0	347.0
50°	2141.0	1917.4	996.4	468.6	363.3	362.4	358.1	358.1	342.7	305.0	302.4
52.5°	2440.0	2156.4	1011.0	430.9	346.1	350.4	350.4	332.4	309.3	279.3	276.7
55°	2819.6	2432.3	1032.4	398.4	331.6	330.7	340.1	317.9	293.9	268.2	268.2
57.5°	3196.5	2724.5	1058.1	370.1	315.3	317.0	330.7	312.7	299.9	289.6	288.7
60°	3573.5	3026.0	1017.0	344.4	309.3	305.9	328.1	332.4	317.0	323.0	329.0
62.5°	3927.3	3218.8	851.6	322.1	298.1	303.3	350.4	377.0	371.8	365.8	367.5
65°	4094.4	3258.2	690.5	302.4	290.4	321.3	386.4	426.7	409.5	389.8	388.1
67.5°	4122.7	3156.3	508.1	290.4	286.2	353.0	414.7	437.8	412.1	404.4	397.5
70°	3923.9	2897.5	406.1	277.6	289.6	358.1	432.7	435.2	416.4	424.9	416.4
72.5°	3337.0	2413.5	355.5	265.6	290.4	345.3	432.7	436.1	414.7	439.5	435.2
75°	2389.5	1692.1	316.1	255.3	281.0	330.7	426.7	435.2	409.5	436.9	430.1
76°	1946.5	1342.5	305.0	257.9	276.7	325.6	424.9	432.7	410.4	435.2	428.4
77.5°	1286.0	877.3	286.2	256.2	269.0	323.0	420.7	429.2	409.5	430.1	423.2
80°	688.0	496.9	257.9	239.0	259.6	324.7	417.2	420.7	393.2	416.4	407.8
82.5°	453.2	370.1	222.8	216.8	250.2	327.3	415.5	410.4	379.5	416.4	393.2
85°	355.5	305.9	167.1	173.9	227.9	316.1	410.4	395.8	367.5	377.8	364.1
87.5°	301.6	251.9	100.2	124.2	199.6	269.0	364.1	327.3	311.0	321.3	315.3
90°	283.6	222.8	56.5	87.4	149.9	179.1	229.6	213.3	206.5	218.5	215.9
92.5°	286.2	217.6	55.7	83.1	160.2	192.8	237.3	218.5	197.9	197.9	195.3
95°	273.3	203.0	54.8	66.0	144.8	187.6	222.8	196.2	159.4	151.6	149.1
97.5°	119.1	98.5	51.4	50.5	83.1	129.4	161.9	140.5	105.4	82.2	82.2
100°	19.7	31.7	44.6	48.8	48.8	68.5	91.7	86.5	50.5	26.6	27.4
102.5°	20.6	18.0	30.8	40.3	31.7	28.3	42.0	52.3	33.4	10.3	11.1
105°	21.4	18.8	15.4	28.3	18.0	9.4	12.9	24.0	15.4	10.3	10.3
107.5°	23.1	19.7	9.4	10.3	7.7	7.7	6.9	6.0	7.7	10.3	11.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.0	16.3	8.6	7.7	6.9	7.7	5.1	5.1	6.0	10.3	11.1
112.5°	10.3	10.3	7.7	6.0	6.0	6.9	4.3	4.3	6.0	11.1	11.1
115°	10.3	10.3	6.9	5.1	4.3	5.1	4.3	3.4	6.0	11.1	12.0
117.5°	10.3	10.3	6.9	5.1	4.3	3.4	3.4	3.4	6.0	11.1	12.0
120°	10.3	9.4	6.0	4.3	4.3	2.6	2.6	2.6	5.1	11.1	12.0
122.5°	9.4	9.4	6.0	4.3	3.4	2.6	2.6	2.6	5.1	10.3	11.1
125°	8.6	8.6	6.0	4.3	3.4	2.6	1.7	2.6	5.1	9.4	10.3
127.5°	7.7	7.7	5.1	4.3	3.4	2.6	1.7	2.6	5.1	9.4	10.3
130°	6.9	6.9	5.1	3.4	3.4	1.7	1.7	1.7	5.1	8.6	9.4
132.5°	6.0	6.0	4.3	3.4	2.6	1.7	0.9	1.7	4.3	7.7	7.7
135°	5.1	5.1	4.3	3.4	2.6	1.7	0.9	1.7	3.4	6.0	6.9
137.5°	4.3	4.3	3.4	3.4	2.6	1.7	0.9	1.7	2.6	5.1	5.1
140°	4.3	4.3	3.4	3.4	2.6	1.7	0.9	1.7	2.6	4.3	5.1
142.5°	4.3	4.3	3.4	3.4	2.6	1.7	0.9	1.7	2.6	4.3	5.1
145°	5.1	4.3	4.3	3.4	2.6	1.7	0.9	1.7	3.4	5.1	5.1
147.5°	5.1	5.1	4.3	3.4	2.6	1.7	0.9	1.7	3.4	5.1	5.1
150°	5.1	5.1	4.3	3.4	2.6	0.9	0.0	0.9	2.6	4.3	5.1
152.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0	0.0	1.7	3.4	3.4
155°	4.3	3.4	3.4	2.6	1.7	0.9	0.0	0.0	0.9	1.7	1.7
157.5°	3.4	3.4	2.6	1.7	0.9	0.9	0.0	0.0	0.0	0.9	0.9
160°	2.6	2.6	1.7	1.7	0.9	0.0	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)