

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: P416743

Luminaire Tested: **LXF.LXT-PA1-80-740-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-740-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8529 lumens
Efficiency: N/A
Efficacy: 102.8 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 - G4

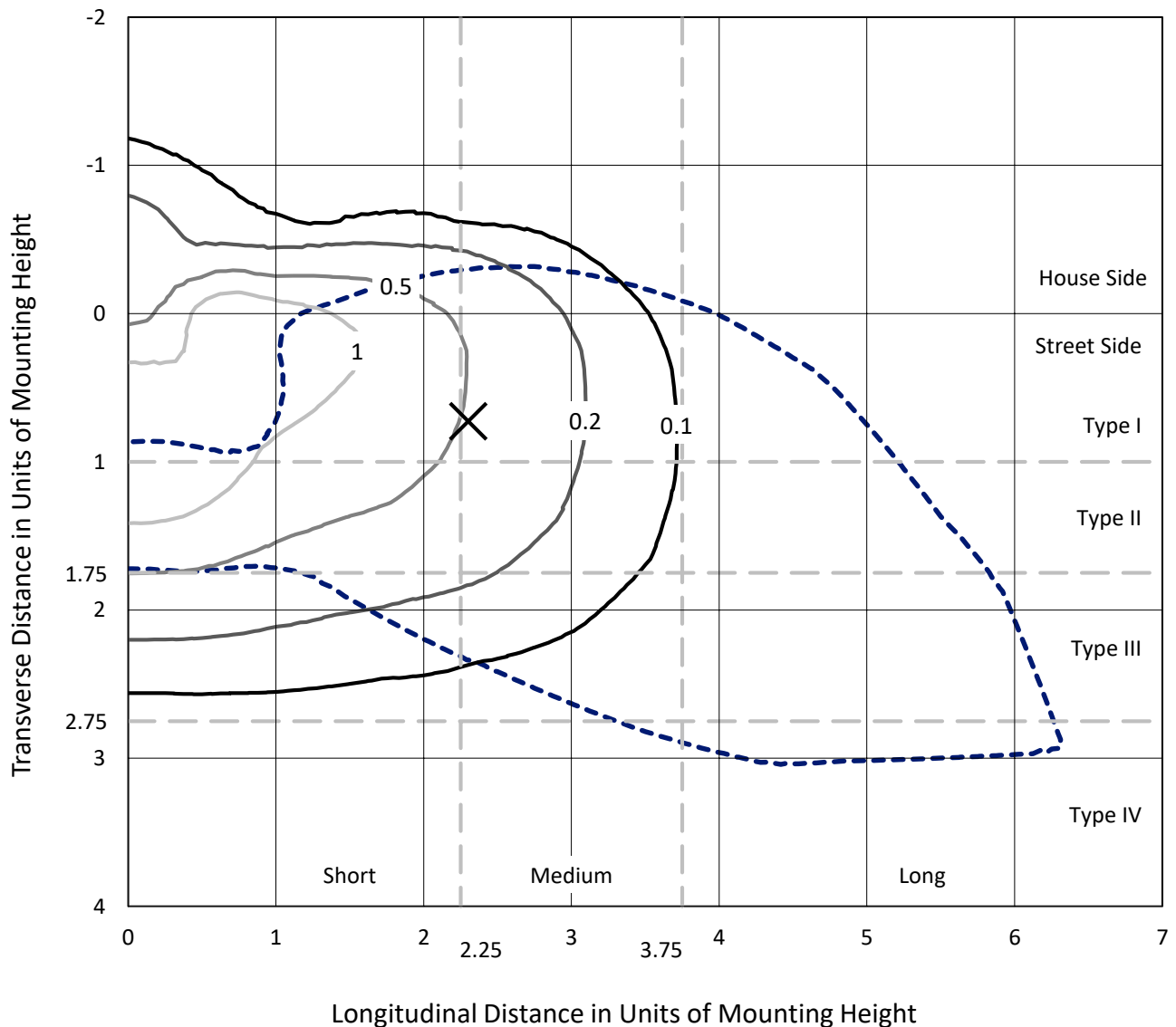
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

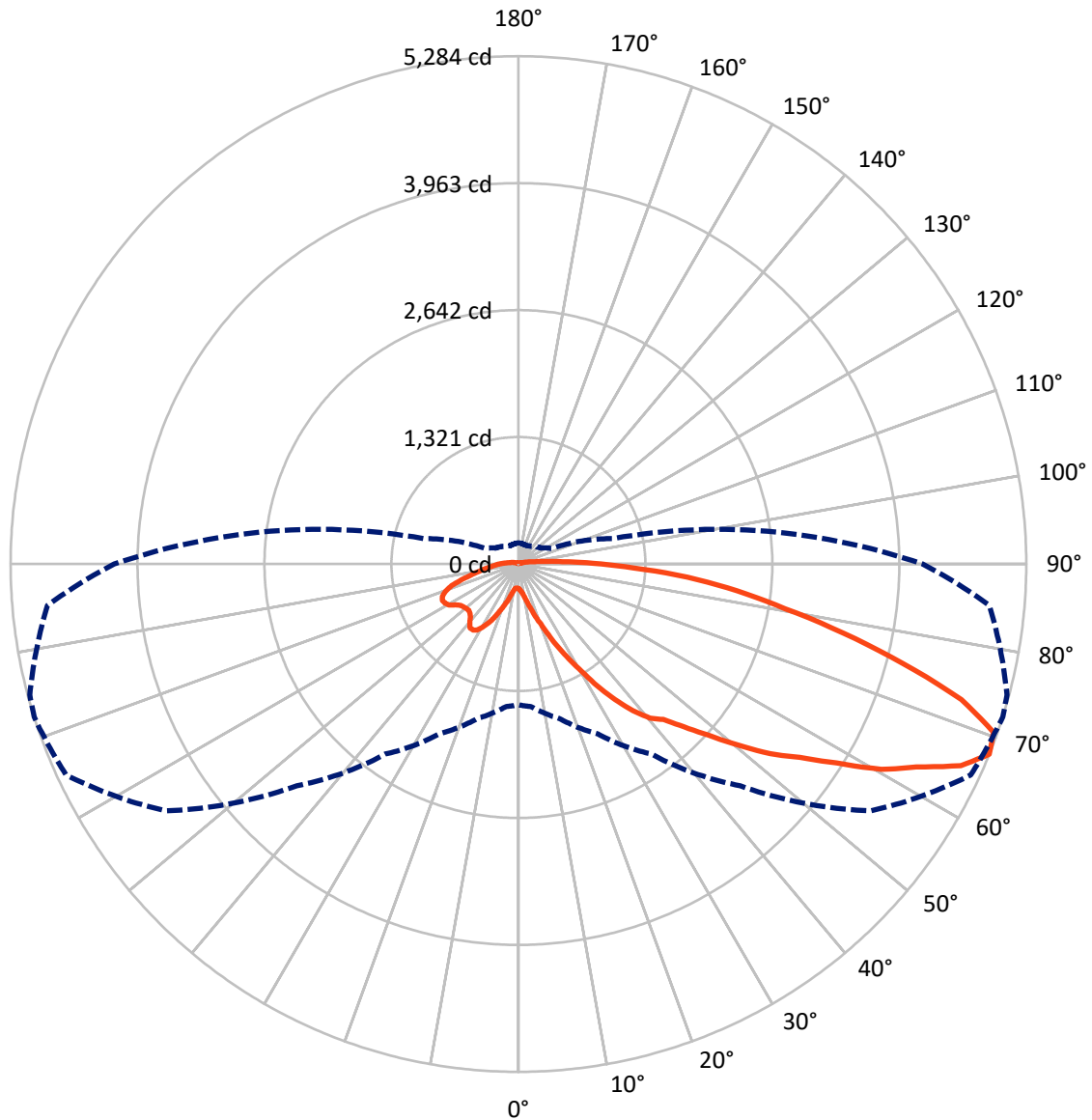
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1492.4	131.2	1623.5
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	6720.0	185.5	6905.5
	% Fixture	78.8	2.2	81.0
Total	Lumens	8212.4	316.7	8529.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.7	0.3
10°-20°	115.1	1.3
20°-30°	319.0	3.7
30°-40°	685.9	8.0
40°-50°	1160.9	13.6
50°-60°	1703.2	20.0
60°-70°	2031.3	23.8
70°-80°	1517.0	17.8
80°-90°	653.3	7.7
90°-100°	189.6	2.2
100°-110°	61.7	0.7
110°-120°	28.9	0.3
120°-130°	17.6	0.2
130°-140°	11.3	0.1
140°-150°	5.0	0.1
150°-160°	1.7	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-90°	8212.4	96.3
0°-180°	8529.0	100.0

Coefficient of Utilization



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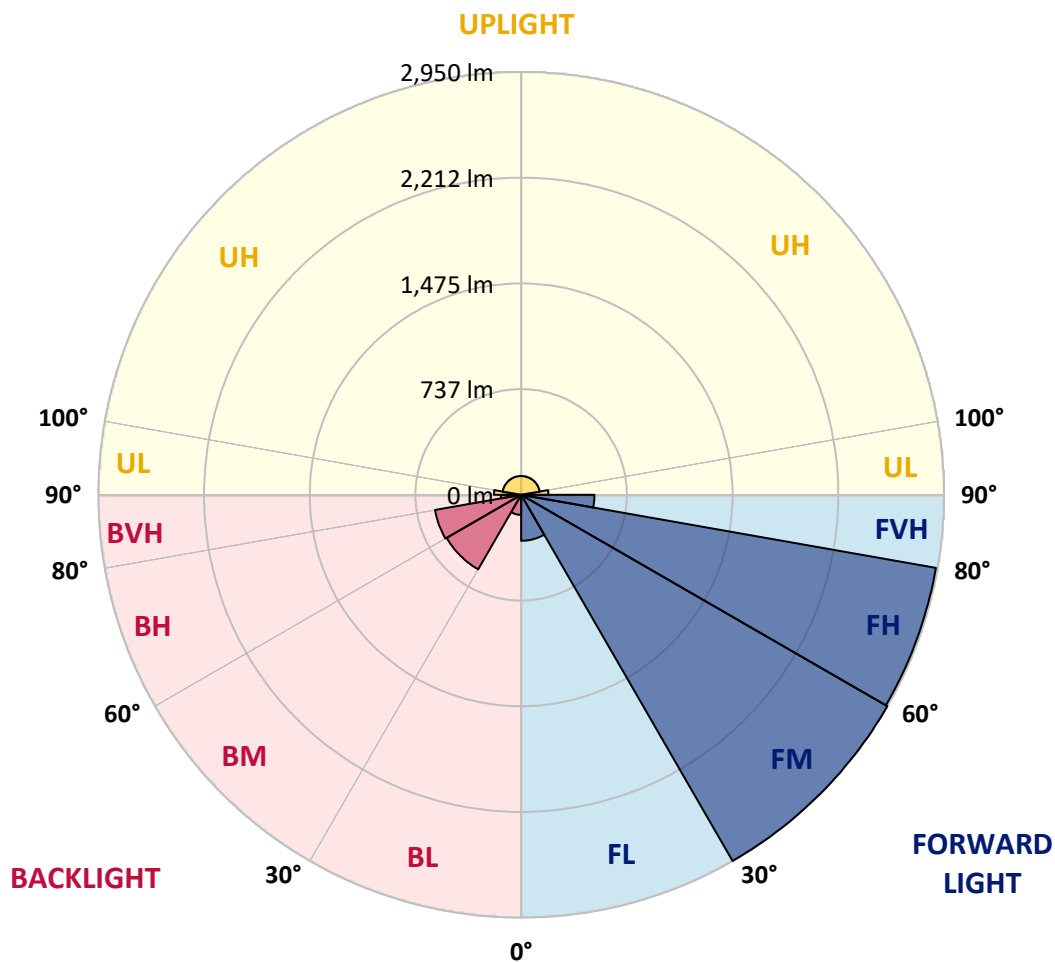
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	321.0	3.8			
FM (30°-60°)	2949.9	34.6			
FH (60°-80°)	2938.1	34.4			G2/5000
FVH (80°-90°)	511.0	6.0			G4/750
BL (0°-30°)	139.9	1.6	B1/500		
BM (30°-60°)	600.1	7.0	B1/1000		
BH (60°-80°)	610.1	7.2	B2/1000		G2/1000
BVH (80°-90°)	142.3	1.7			G2/225
UL (90°-100°)	189.6	2.2		U3/500	
UH (100°-180°)	131.2	1.5		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0
2.5°	280.0	282.0	284.0	283.0	282.0	279.0	274.0	269.0	264.0	264.0	260.0
5°	320.0	319.0	318.0	319.0	314.0	307.0	299.0	290.0	283.0	281.0	271.0
7.5°	366.0	364.0	366.0	360.0	353.0	344.0	332.0	320.0	308.0	306.0	290.0
10°	421.0	419.0	418.0	413.0	400.0	387.0	375.0	356.0	347.0	344.0	323.0
12.5°	490.0	489.0	483.0	473.0	456.0	443.0	426.0	416.0	407.0	400.0	379.0
15°	569.0	571.0	564.0	543.0	522.0	502.0	494.0	486.0	479.0	476.0	458.0
17.5°	680.0	676.0	660.0	628.0	594.0	578.0	571.0	566.0	573.0	571.0	543.0
20°	817.0	807.0	782.0	727.0	685.0	659.0	653.0	662.0	666.0	676.0	657.0
22.5°	978.0	965.0	923.0	861.0	800.0	751.0	745.0	772.0	797.0	800.0	792.0
25°	1135.0	1123.0	1086.0	1005.0	923.0	858.0	844.0	904.0	954.0	963.0	974.0
27.5°	1296.0	1290.0	1236.0	1148.0	1058.0	976.0	974.0	1039.0	1117.0	1138.0	1157.0
30°	1479.0	1493.0	1425.0	1314.0	1201.0	1106.0	1101.0	1197.0	1293.0	1338.0	1370.0
32.5°	1737.0	1725.0	1640.0	1516.0	1348.0	1237.0	1244.0	1356.0	1518.0	1556.0	1598.0
35°	2033.0	2037.0	1921.0	1728.0	1530.0	1393.0	1388.0	1544.0	1732.0	1764.0	1834.0
37.5°	2275.9	2295.9	2209.9	1988.0	1734.0	1557.0	1564.0	1739.0	1937.0	2001.0	2061.9
40°	2536.9	2554.9	2454.9	2238.9	1956.0	1738.0	1748.0	1918.0	2106.9	2158.9	2173.9
42.5°	2821.9	2839.9	2718.9	2462.9	2142.9	1956.0	1917.0	2047.0	2211.9	2276.9	2289.9
45°	3088.9	3119.9	2997.9	2696.9	2351.9	2151.9	2092.9	2197.9	2413.9	2473.9	2487.9
47.5°	3170.9	3207.9	3154.9	2908.9	2551.9	2320.9	2281.9	2427.9	2660.9	2749.9	2731.9
50°	3249.9	3283.9	3251.9	3033.9	2717.9	2516.9	2525.9	2695.9	2959.9	3073.9	3059.9
52.5°	3261.9	3296.9	3263.9	3110.9	2859.9	2714.9	2814.9	3015.9	3277.9	3360.9	3340.9
55°	3281.9	3304.9	3274.9	3101.9	2962.9	2925.9	3114.9	3343.9	3551.9	3650.9	3617.9
57.5°	3003.9	3012.9	3121.9	3075.9	2984.9	3159.9	3452.9	3659.9	3904.9	4052.9	4035.9
60°	2603.9	2622.9	2757.9	2863.9	2969.9	3326.9	3784.9	4097.9	4337.9	4434.9	4342.9
62.5°	2274.9	2295.9	2437.9	2573.9	2842.9	3400.9	4131.9	4489.9	4647.9	4735.9	4626.9
65°	1833.0	1849.0	2022.0	2288.9	2635.9	3371.9	4391.9	4897.9	5056.9	5091.9	4880.9
67.5°	1465.0	1489.0	1665.0	1950.0	2413.9	3261.9	4476.9	5191.9	5283.9	5262.9	4917.9
70°	1090.0	1102.0	1317.0	1679.0	2150.9	3021.9	4395.9	5257.9	5243.9	5216.9	4743.9
72.5°	751.0	749.0	951.0	1304.0	1877.0	2747.9	4018.9	4884.9	4818.9	4748.9	4149.9
75°	485.0	512.0	638.0	948.0	1518.0	2351.9	3530.9	4241.9	4129.9	4018.9	3418.9
77.5°	327.0	346.0	448.0	679.0	1160.0	1978.0	3038.9	3642.9	3455.9	3354.9	2759.9
80°	225.0	233.0	311.0	499.0	863.0	1569.0	2488.9	3014.9	2810.9	2690.9	2141.9
82.5°	158.0	164.0	217.0	368.0	650.0	1172.0	1987.0	2507.9	2293.9	2206.9	1664.0
85°	114.0	118.0	156.0	274.0	494.0	880.0	1512.0	1951.0	1765.0	1698.0	1189.0
87.5°	85.0	89.0	118.0	203.0	380.0	669.0	1128.0	1397.0	1197.0	1110.0	751.0
90°	63.0	67.0	91.0	152.0	297.0	504.0	817.0	955.0	777.0	704.0	479.0
92.5°	47.0	50.0	68.0	111.0	227.0	386.0	576.0	604.0	460.0	419.0	302.0
95°	35.0	37.0	51.0	81.0	162.0	281.0	377.0	353.0	271.0	246.0	191.0
97.5°	29.0	30.0	40.0	62.0	114.0	197.0	242.0	217.0	175.0	163.0	132.0
100°	24.0	25.0	32.0	47.0	83.0	135.0	160.0	141.0	122.0	117.0	103.0
102.5°	21.0	22.0	27.0	39.0	62.0	97.0	111.0	101.0	90.0	86.0	80.0
105°	19.0	19.0	24.0	33.0	51.0	73.0	81.0	74.0	67.0	65.0	64.0
107.5°	17.0	17.0	21.0	29.0	42.0	57.0	61.0	55.0	49.0	48.0	51.0
110°	16.0	16.0	19.0	26.0	36.0	47.0	48.0	41.0	37.0	37.0	41.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	15.0	15.0	18.0	23.0	32.0	39.0	38.0	32.0	29.0	29.0	34.0
115°	15.0	15.0	17.0	22.0	28.0	33.0	31.0	26.0	24.0	24.0	29.0
117.5°	15.0	16.0	17.0	21.0	26.0	29.0	27.0	22.0	21.0	21.0	26.0
120°	16.0	16.0	17.0	21.0	24.0	25.0	23.0	19.0	18.0	19.0	24.0
122.5°	16.0	16.0	18.0	21.0	23.0	23.0	20.0	17.0	17.0	17.0	22.0
125°	17.0	17.0	18.0	21.0	22.0	21.0	18.0	16.0	16.0	17.0	20.0
127.5°	18.0	18.0	19.0	21.0	21.0	19.0	17.0	15.0	15.0	16.0	20.0
130°	20.0	20.0	20.0	21.0	19.0	17.0	15.0	14.0	15.0	16.0	20.0
132.5°	20.0	20.0	20.0	20.0	18.0	15.0	14.0	13.0	15.0	16.0	19.0
135°	18.0	18.0	18.0	18.0	16.0	13.0	12.0	12.0	14.0	15.0	18.0
137.5°	16.0	16.0	16.0	15.0	14.0	12.0	10.0	10.0	12.0	13.0	16.0
140°	14.0	14.0	13.0	13.0	12.0	10.0	9.0	9.0	10.0	11.0	13.0
142.5°	11.0	11.0	11.0	11.0	10.0	8.0	7.0	7.0	9.0	10.0	11.0
145°	9.0	9.0	9.0	9.0	8.0	7.0	6.0	6.0	7.0	8.0	9.0
147.5°	7.0	7.0	8.0	8.0	7.0	6.0	4.0	5.0	6.0	6.0	7.0
150°	6.0	6.0	6.0	7.0	5.0	4.0	3.0	4.0	5.0	5.0	6.0
152.5°	5.0	5.0	5.0	5.0	4.0	2.0	3.0	4.0	4.0	5.0	5.0
155°	3.0	3.0	4.0	4.0	3.0	2.0	3.0	3.0	4.0	4.0	5.0
157.5°	2.0	2.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0	4.0
160°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
162.5°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
165°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
167.5°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
170°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
172.5°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
175°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
177.5°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0
2.5°	257.0	255.0	251.0	247.0	243.0	239.0	238.0	236.0	235.0	234.0	235.0
5°	267.0	261.0	252.0	243.0	235.0	228.0	223.0	218.0	214.0	212.0	212.0
7.5°	285.0	275.0	260.0	245.0	231.0	219.0	211.0	204.0	199.0	197.0	196.0
10°	313.0	301.0	279.0	255.0	234.0	216.0	204.0	196.0	191.0	188.0	188.0
12.5°	362.0	348.0	313.0	276.0	242.0	217.0	201.0	193.0	188.0	187.0	188.0
15°	439.0	417.0	366.0	313.0	261.0	219.0	199.0	196.0	198.0	199.0	199.0
17.5°	529.0	499.0	434.0	354.0	282.0	228.0	207.0	205.0	208.0	211.0	213.0
20°	630.0	591.0	497.0	393.0	296.0	241.0	215.0	211.0	218.0	224.0	223.0
22.5°	758.0	711.0	577.0	423.0	306.0	244.0	218.0	214.0	226.0	233.0	235.0
25°	926.0	859.0	671.0	455.0	312.0	240.0	216.0	217.0	235.0	249.0	252.0
27.5°	1109.0	1012.0	758.0	481.0	312.0	230.0	213.0	225.0	250.0	268.0	270.0
30°	1309.0	1174.0	834.0	501.0	303.0	220.0	210.0	229.0	254.0	273.0	275.0
32.5°	1522.0	1342.0	913.0	508.0	290.0	212.0	207.0	226.0	247.0	264.0	268.0
35°	1711.0	1492.0	944.0	498.0	272.0	206.0	200.0	216.0	237.0	258.0	259.0
37.5°	1908.0	1635.0	958.0	470.0	254.0	200.0	194.0	209.0	234.0	259.0	262.0
40°	1992.0	1672.0	918.0	431.0	237.0	196.0	191.0	208.0	235.0	260.0	264.0
42.5°	2077.9	1708.0	869.0	375.0	226.0	195.0	194.0	208.0	230.0	250.0	253.0
45°	2224.9	1788.0	847.0	337.0	220.0	198.0	197.0	205.0	221.0	239.0	245.0
47.5°	2434.9	1909.0	836.0	313.0	220.0	203.0	200.0	202.0	212.0	228.0	233.0
50°	2703.9	2076.9	850.0	300.0	225.0	210.0	204.0	201.0	205.0	222.0	228.0
52.5°	2929.9	2237.9	867.0	298.0	233.0	219.0	210.0	201.0	204.0	224.0	231.0
55°	3166.9	2390.9	886.0	303.0	243.0	226.0	214.0	203.0	205.0	224.0	232.0
57.5°	3510.9	2650.9	935.0	314.0	253.0	234.0	219.0	206.0	204.0	219.0	225.0
60°	3824.9	2898.9	1008.0	335.0	265.0	242.0	224.0	208.0	203.0	213.0	217.0
62.5°	4014.9	3032.9	1036.0	355.0	277.0	249.0	226.0	208.0	206.0	215.0	218.0
65°	4210.9	3160.9	1047.0	371.0	284.0	253.0	226.0	210.0	210.0	216.0	217.0
67.5°	4203.9	3132.9	1021.0	379.0	290.0	255.0	226.0	210.0	212.0	218.0	219.0
70°	4019.9	2971.9	956.0	378.0	289.0	252.0	222.0	209.0	217.0	224.0	225.0
72.5°	3479.9	2554.9	851.0	366.0	280.0	244.0	216.0	207.0	219.0	229.0	229.0
75°	2854.9	2080.9	703.0	343.0	269.0	234.0	207.0	200.0	215.0	229.0	229.0
77.5°	2248.9	1629.0	570.0	313.0	253.0	222.0	196.0	188.0	205.0	218.0	217.0
80°	1747.0	1235.0	458.0	283.0	235.0	209.0	183.0	174.0	189.0	198.0	196.0
82.5°	1340.0	951.0	378.0	255.0	217.0	194.0	170.0	162.0	176.0	182.0	180.0
85°	915.0	681.0	310.0	224.0	194.0	176.0	157.0	151.0	167.0	174.0	172.0
87.5°	604.0	468.0	259.0	197.0	171.0	158.0	142.0	140.0	158.0	165.0	164.0
90°	399.0	327.0	220.0	171.0	149.0	138.0	128.0	128.0	144.0	150.0	146.0
92.5°	263.0	232.0	174.0	145.0	127.0	120.0	114.0	113.0	127.0	129.0	126.0
95°	179.0	163.0	136.0	120.0	107.0	103.0	98.0	100.0	109.0	107.0	104.0
97.5°	128.0	124.0	110.0	98.0	89.0	88.0	86.0	87.0	92.0	88.0	86.0
100°	102.0	99.0	91.0	82.0	76.0	75.0	74.0	75.0	78.0	74.0	72.0
102.5°	82.0	82.0	76.0	69.0	64.0	65.0	65.0	65.0	66.0	60.0	60.0
105°	66.0	66.0	64.0	58.0	55.0	55.0	56.0	56.0	56.0	52.0	52.0
107.5°	53.0	55.0	54.0	49.0	47.0	48.0	48.0	47.0	47.0	45.0	45.0
110°	43.0	45.0	45.0	42.0	41.0	42.0	41.0	40.0	39.0	39.0	39.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	36.0	38.0	39.0	37.0	36.0	36.0	35.0	34.0	34.0	35.0	35.0
115°	31.0	33.0	34.0	32.0	32.0	32.0	30.0	29.0	29.0	31.0	31.0
117.5°	28.0	29.0	30.0	29.0	28.0	28.0	27.0	25.0	25.0	27.0	28.0
120°	25.0	26.0	27.0	26.0	25.0	24.0	23.0	22.0	22.0	25.0	25.0
122.5°	23.0	24.0	24.0	23.0	22.0	22.0	21.0	20.0	20.0	22.0	23.0
125°	22.0	22.0	22.0	21.0	20.0	19.0	18.0	18.0	18.0	20.0	20.0
127.5°	21.0	21.0	20.0	19.0	18.0	17.0	17.0	16.0	16.0	18.0	19.0
130°	21.0	21.0	19.0	18.0	17.0	15.0	15.0	14.0	15.0	17.0	17.0
132.5°	20.0	20.0	18.0	17.0	15.0	14.0	13.0	13.0	13.0	15.0	16.0
135°	19.0	18.0	16.0	15.0	13.0	12.0	12.0	12.0	12.0	14.0	14.0
137.5°	17.0	16.0	14.0	13.0	12.0	11.0	10.0	10.0	11.0	12.0	13.0
140°	14.0	14.0	12.0	11.0	10.0	9.0	9.0	9.0	10.0	11.0	11.0
142.5°	12.0	12.0	10.0	9.0	8.0	7.0	8.0	8.0	9.0	10.0	10.0
145°	10.0	9.0	9.0	7.0	7.0	6.0	6.0	7.0	8.0	9.0	9.0
147.5°	8.0	8.0	7.0	6.0	5.0	5.0	5.0	6.0	7.0	7.0	8.0
150°	7.0	7.0	6.0	6.0	4.0	3.0	4.0	6.0	6.0	6.0	6.0
152.5°	6.0	6.0	6.0	5.0	4.0	2.0	3.0	5.0	5.0	5.0	5.0
155°	5.0	5.0	5.0	4.0	3.0	1.0	3.0	4.0	4.0	4.0	4.0
157.5°	4.0	4.0	4.0	4.0	2.0	1.0	2.0	3.0	3.0	3.0	4.0
160°	3.0	3.0	3.0	3.0	2.0	1.0	2.0	3.0	3.0	3.0	3.0
162.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	3.0	2.0	2.0	2.0
165°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0
167.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0
170°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0
172.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0
175°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0
177.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)