

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: P694857

Luminaire Tested: **LXF.LXT-PA16-30-740-U-SL3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-740-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 560mA LIGHTSQUARE WITH 16 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: 3535.1 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

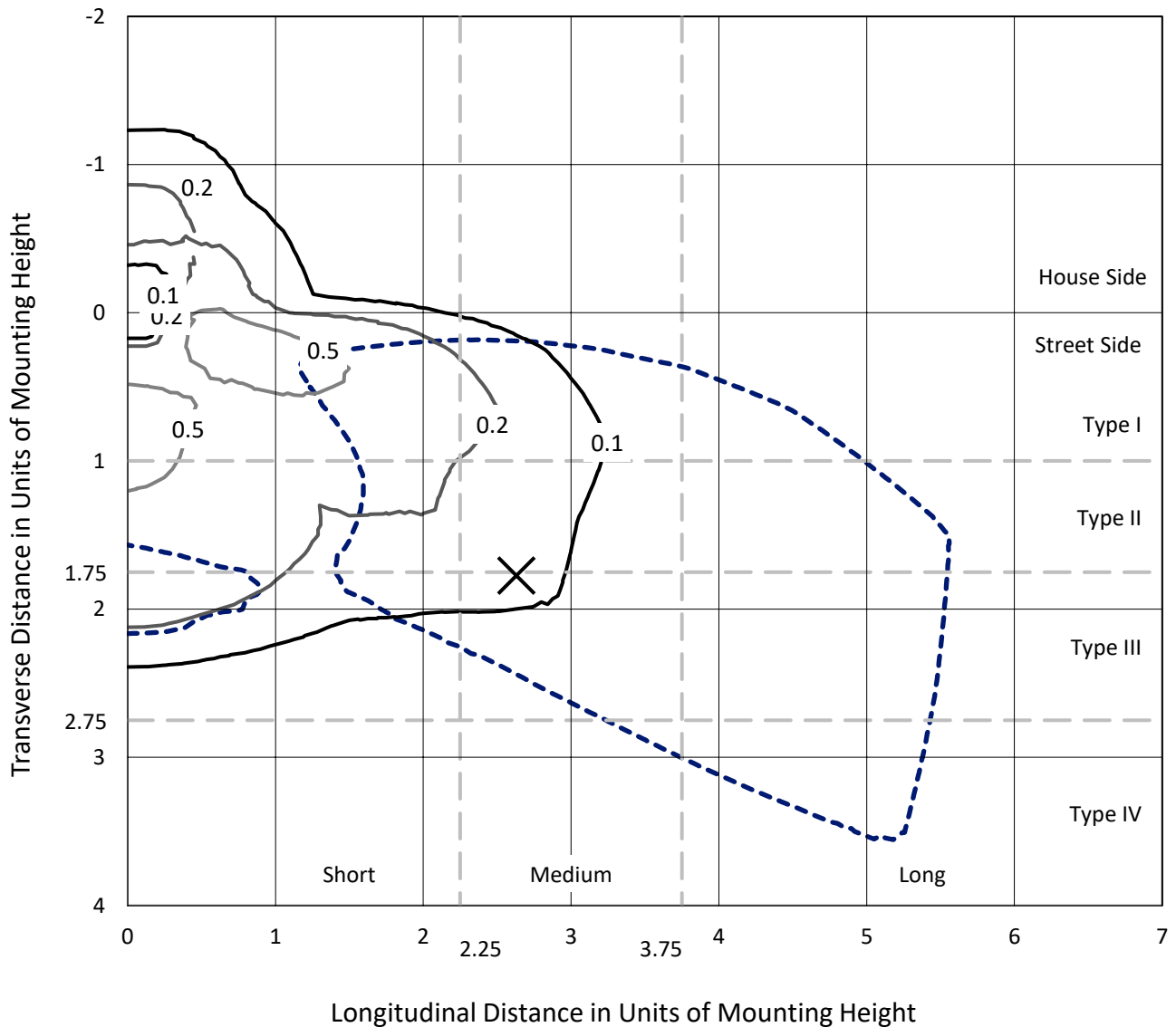
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

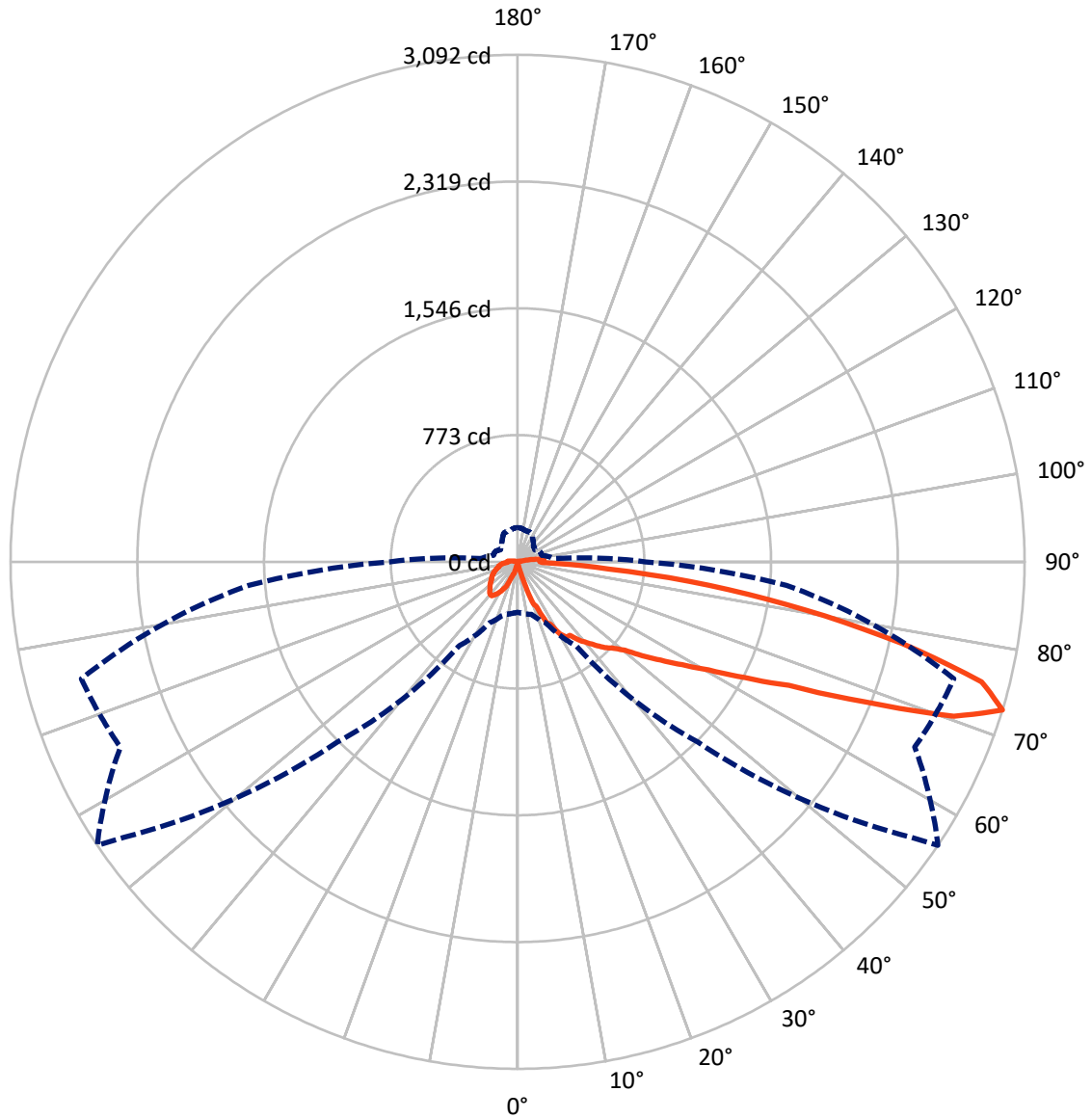
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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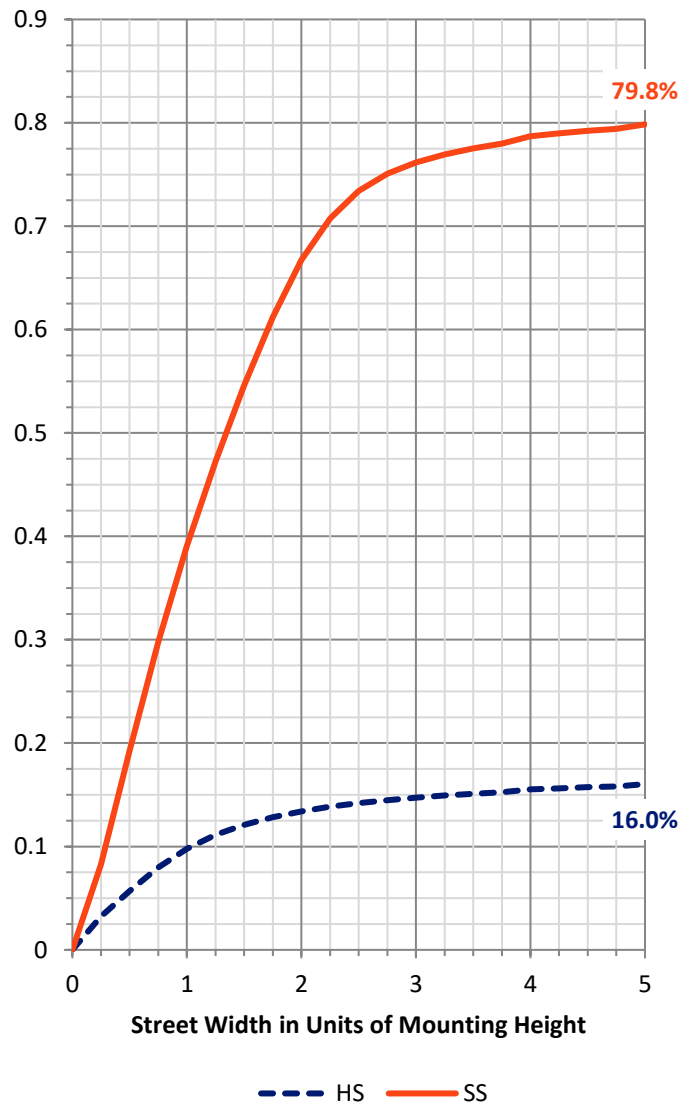
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	603.9	38.3	642.2
	% Fixture	17.1	1.1	18.2
Street Side	Lumens	2852.5	40.3	2892.9
	% Fixture	80.7	1.1	81.8
Total	Lumens	3456.4	78.7	3535.1
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	29.1	0.8
20°-30°	136.6	3.9
30°-40°	300.9	8.5
40°-50°	451.1	12.8
50°-60°	664.4	18.8
60°-70°	922.4	26.1
70°-80°	743.2	21.0
80°-90°	208.2	5.9
90°-100°	56.1	1.6
100°-110°	10.8	0.3
110°-120°	4.2	0.1
120°-130°	3.3	0.1
130°-140°	2.3	0.1
140°-150°	1.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3456.4	97.8
0°-180°	3535.1	100.0

Coefficient of Utilization



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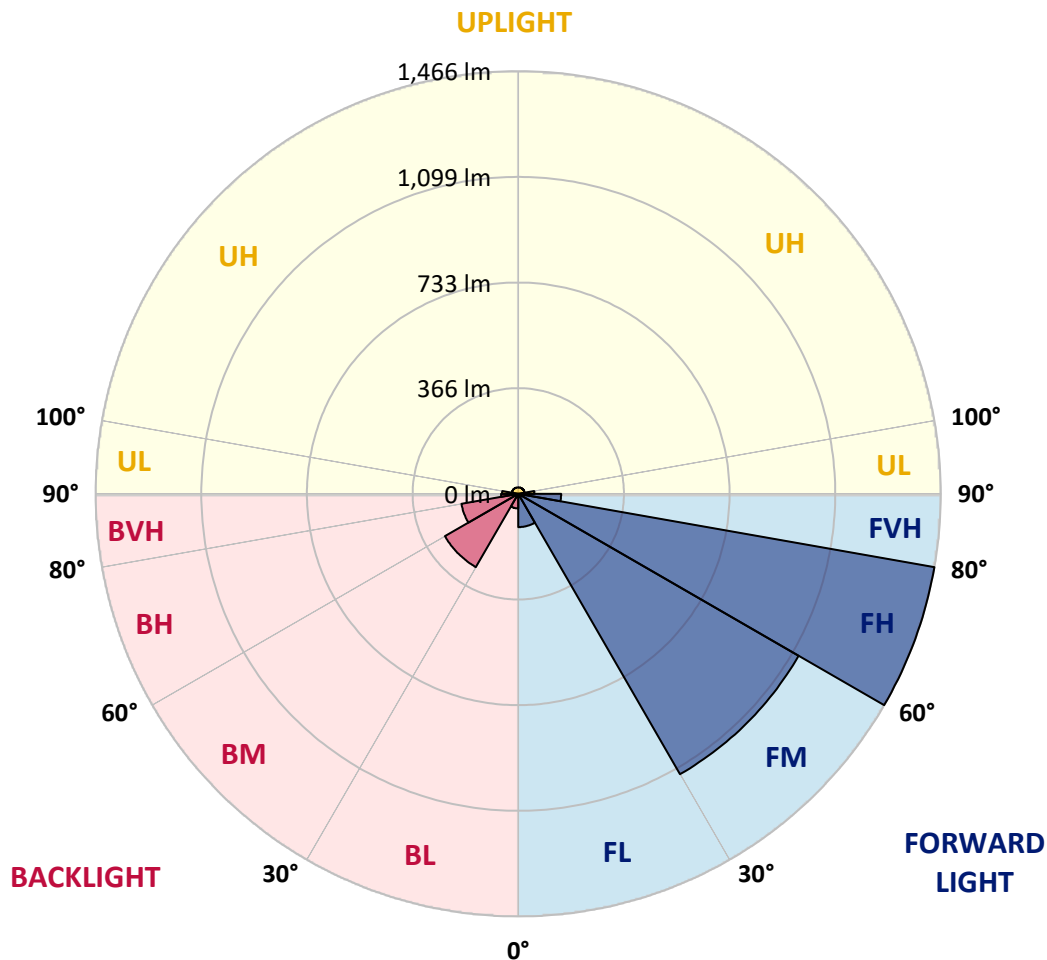
CATALOG NUMBER: LXF.LXT-PA16-30-740-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	115.4	3.3			
FM (30°-60°)	1122.8	31.8			
FH (60°-80°)	1465.7	41.5			G1/1800
FVH (80°-90°)	148.6	4.2			G2/225
BL (0°-30°)	50.7	1.4	B0/110		
BM (30°-60°)	293.6	8.3	B1/1000		
BH (60°-80°)	200.0	5.7	B1/500		G1/500
BVH (80°-90°)	59.6	1.7			G1/100
UL (90°-100°)	56.1	1.6		U3/500	
UH (100°-180°)	22.6	0.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
5°	3.9	3.9	3.9	3.9	5.2	5.2	3.9	3.9	3.9	3.9	3.9
7.5°	6.5	6.5	5.2	5.2	5.2	5.2	5.2	5.2	3.9	3.9	3.9
10°	37.5	36.2	32.4	22.0	12.9	6.5	5.2	5.2	5.2	5.2	6.5
12.5°	164.4	163.1	164.4	154.0	41.4	22.0	10.4	10.4	15.5	20.7	27.2
15°	173.5	174.7	174.7	169.6	169.6	72.5	40.1	55.7	159.2	173.5	169.6
17.5°	227.8	220.1	189.0	181.2	185.1	183.8	159.2	159.2	185.1	195.5	192.9
20°	267.9	267.9	269.2	266.7	198.0	253.7	273.1	274.4	218.8	302.9	327.5
22.5°	300.3	302.9	290.0	279.6	301.6	262.8	296.4	296.4	370.2	415.5	398.7
25°	416.8	415.5	392.2	313.3	313.3	318.4	402.6	410.3	463.4	462.1	444.0
27.5°	480.2	480.2	454.3	407.7	346.9	363.7	414.2	432.3	525.5	667.9	604.5
30°	648.5	651.1	594.1	486.7	419.4	387.0	480.2	512.6	658.9	701.6	627.8
32.5°	697.7	699.0	702.9	622.6	485.4	429.8	524.2	547.5	706.8	888.0	790.9
35°	711.9	714.5	714.5	657.6	608.4	499.7	533.3	550.1	841.4	935.9	792.2
37.5°	758.5	757.2	746.9	680.9	656.3	552.7	589.0	605.8	897.0	1007.1	788.3
40°	824.6	824.6	807.7	726.2	675.7	607.1	627.8	645.9	961.8	1091.2	790.9
42.5°	900.9	894.5	875.0	778.0	706.8	640.7	679.6	695.1	1029.1	1197.4	794.8
45°	992.8	986.4	947.5	850.4	761.1	655.0	717.1	746.9	1105.5	1310.0	818.1
47.5°	1080.9	1078.3	1034.3	922.9	815.5	675.7	745.6	787.0	1197.4	1453.7	863.4
50°	1189.6	1176.6	1119.7	994.1	864.7	715.8	819.4	846.6	1294.4	1592.2	932.0
52.5°	1288.0	1264.7	1205.1	1066.6	924.2	771.5	932.0	950.1	1405.8	1737.1	1011.0
55°	1383.8	1350.1	1268.6	1141.7	981.2	836.2	1053.7	1057.6	1532.6	1886.0	1108.0
57.5°	1527.4	1492.5	1374.7	1211.6	1056.3	919.1	1171.5	1184.4	1658.2	2053.0	1222.0
60°	1726.8	1702.2	1559.8	1377.3	1189.6	1029.1	1312.6	1338.5	1782.4	2220.0	1334.6
62.5°	1803.2	1774.7	1667.2	1540.4	1379.9	1227.1	1487.3	1557.2	1895.1	2388.2	1465.3
65°	1596.0	1596.0	1539.1	1546.9	1499.0	1544.3	1735.8	1817.4	2027.1	2521.6	1577.9
67.5°	1038.1	1043.3	1079.6	1233.6	1404.5	1800.6	2164.3	2276.9	2227.7	2665.3	1672.4
70°	471.2	489.3	568.3	781.8	1069.2	1816.1	2657.5	2821.9	2460.7	2763.6	1706.1
72.5°	308.1	314.5	332.7	412.9	629.1	1555.9	2930.6	3092.4	2673.0	2754.6	1645.2
75°	257.6	253.7	264.1	292.5	317.1	1067.9	2788.2	2922.9	2645.8	2591.5	1497.7
77.5°	213.6	209.7	220.1	235.6	187.7	586.4	2318.3	2396.0	2288.6	2214.8	1222.0
80°	164.4	164.4	169.6	190.3	137.2	284.8	1722.9	1781.2	1694.4	1581.8	731.4
82.5°	112.6	111.3	123.0	146.3	110.0	164.4	1176.6	1177.9	1012.3	770.2	344.3
85°	50.5	50.5	60.8	84.1	64.7	102.3	537.2	556.6	344.3	245.9	154.0
87.5°	16.8	16.8	18.1	20.7	22.0	47.9	150.2	152.7	133.3	151.4	113.9
90°	15.5	15.5	15.5	15.5	16.8	46.6	134.6	134.6	119.1	141.1	113.9
92.5°	15.5	15.5	14.2	12.9	14.2	42.7	148.9	160.5	130.7	147.6	119.1
95°	15.5	15.5	12.9	11.6	12.9	31.1	148.9	159.2	137.2	128.1	107.4
97.5°	10.4	10.4	9.1	9.1	10.4	18.1	108.7	112.6	88.0	64.7	64.7
100°	9.1	9.1	6.5	6.5	7.8	10.4	58.2	62.1	42.7	20.7	20.7
102.5°	9.1	9.1	5.2	5.2	5.2	6.5	16.8	18.1	15.5	9.1	10.4
105°	10.4	10.4	5.2	3.9	3.9	5.2	7.8	7.8	9.1	7.8	10.4
107.5°	9.1	9.1	3.9	3.9	3.9	3.9	3.9	3.9	5.2	7.8	10.4
110°	6.5	5.2	3.9	3.9	2.6	3.9	3.9	3.9	3.9	6.5	9.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	3.9	3.9	2.6	2.6	2.6	3.9	2.6	2.6	3.9	5.2	7.8
115°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	6.5
117.5°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	7.8
120°	3.9	3.9	2.6	1.3	2.6	2.6	2.6	2.6	2.6	5.2	7.8
122.5°	3.9	3.9	2.6	1.3	2.6	2.6	2.6	2.6	2.6	5.2	7.8
125°	3.9	3.9	2.6	1.3	2.6	1.3	2.6	2.6	2.6	5.2	6.5
127.5°	3.9	2.6	2.6	1.3	2.6	2.6	2.6	2.6	2.6	3.9	6.5
130°	2.6	2.6	2.6	1.3	2.6	2.6	2.6	2.6	2.6	3.9	6.5
132.5°	2.6	2.6	2.6	1.3	2.6	2.6	2.6	2.6	2.6	3.9	5.2
135°	2.6	2.6	1.3	1.3	2.6	2.6	2.6	2.6	2.6	2.6	3.9
137.5°	2.6	2.6	2.6	1.3	2.6	2.6	2.6	2.6	2.6	2.6	3.9
140°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
142.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
145°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9
147.5°	2.6	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9
150°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	3.9	3.9	2.6	2.6	2.6	2.6	3.9	3.9	3.9	3.9	3.9
5°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
7.5°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
10°	5.2	5.2	3.9	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
12.5°	31.1	27.2	20.7	11.6	5.2	2.6	2.6	2.6	3.9	5.2	5.2
15°	161.8	151.4	121.7	80.3	25.9	6.5	3.9	11.6	36.2	49.2	47.9
17.5°	185.1	169.6	126.9	88.0	71.2	32.4	33.7	60.8	71.2	76.4	75.1
20°	319.7	264.1	156.6	102.3	82.8	77.7	68.6	77.7	88.0	94.5	95.8
22.5°	363.7	302.9	186.4	152.7	106.1	110.0	102.3	98.4	139.8	150.2	152.7
25°	393.5	314.5	195.5	172.2	161.8	128.1	141.1	145.0	161.8	168.3	169.6
27.5°	504.8	370.2	240.8	196.8	181.2	161.8	167.0	167.0	185.1	216.2	217.5
30°	498.4	348.2	252.4	230.4	203.2	190.3	182.5	212.3	235.6	242.1	243.4
32.5°	583.8	376.7	282.2	243.4	226.5	201.9	216.2	233.0	247.2	265.4	275.7
35°	534.6	340.4	293.8	273.1	239.5	221.3	234.3	249.8	297.7	313.3	313.3
37.5°	480.2	310.7	283.5	275.7	257.6	235.6	239.5	282.2	304.2	297.7	297.7
40°	431.0	290.0	274.4	270.5	258.9	235.6	253.7	274.4	295.1	290.0	290.0
42.5°	400.0	277.0	265.4	262.8	253.7	231.7	245.9	270.5	293.8	284.8	283.5
45°	388.3	265.4	258.9	253.7	239.5	222.6	240.8	273.1	291.2	280.9	279.6
47.5°	400.0	258.9	252.4	245.9	227.8	208.4	243.4	269.2	286.1	270.5	267.9
50°	437.5	258.9	244.6	235.6	218.8	208.4	239.5	260.2	273.1	255.0	251.1
52.5°	486.7	264.1	236.9	223.9	209.7	207.1	234.3	255.0	262.8	243.4	242.1
55°	554.0	273.1	226.5	214.9	195.5	201.9	234.3	256.3	253.7	231.7	230.4
57.5°	622.6	283.5	217.5	208.4	186.4	195.5	231.7	257.6	242.1	214.9	214.9
60°	696.4	296.4	205.8	200.6	179.9	186.4	223.9	255.0	230.4	201.9	201.9
62.5°	770.2	302.9	196.8	192.9	172.2	177.3	214.9	247.2	226.5	199.3	199.3
65°	829.7	296.4	187.7	182.5	161.8	167.0	201.9	240.8	220.1	200.6	201.9
67.5°	863.4	278.3	178.6	174.7	151.4	156.6	186.4	226.5	209.7	199.3	201.9
70°	847.9	247.2	167.0	161.8	141.1	147.6	172.2	209.7	203.2	199.3	203.2
72.5°	780.5	223.9	152.7	150.2	128.1	137.2	163.1	195.5	195.5	207.1	208.4
75°	695.1	199.3	141.1	138.5	119.1	125.6	159.2	178.6	182.5	198.0	201.9
77.5°	564.4	167.0	124.3	126.9	116.5	116.5	151.4	168.3	172.2	190.3	191.6
80°	345.6	123.0	107.4	113.9	107.4	111.3	142.4	156.6	159.2	183.8	186.4
82.5°	172.2	86.7	91.9	101.0	95.8	110.0	135.9	148.9	161.8	186.4	187.7
85°	88.0	53.1	69.9	81.5	82.8	121.7	133.3	154.0	151.4	168.3	172.2
87.5°	55.7	27.2	40.1	44.0	62.1	115.2	117.8	126.9	124.3	143.7	143.7
90°	54.4	22.0	34.9	33.7	62.1	98.4	90.6	91.9	98.4	121.7	123.0
92.5°	57.0	20.7	36.2	33.7	66.0	77.7	72.5	69.9	77.7	91.9	94.5
95°	50.5	19.4	38.8	36.2	57.0	51.8	46.6	51.8	50.5	50.5	51.8
97.5°	29.8	14.2	37.5	36.2	45.3	27.2	31.1	38.8	29.8	22.0	20.7
100°	12.9	9.1	36.2	34.9	28.5	16.8	25.9	32.4	22.0	9.1	9.1
102.5°	7.8	7.8	25.9	32.4	16.8	9.1	19.4	22.0	12.9	7.8	7.8
105°	7.8	7.8	12.9	19.4	6.5	5.2	9.1	10.4	6.5	6.5	6.5
107.5°	7.8	7.8	6.5	6.5	5.2	5.2	5.2	5.2	5.2	6.5	6.5
110°	7.8	7.8	5.2	6.5	5.2	3.9	3.9	3.9	5.2	6.5	6.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.5	6.5	5.2	5.2	3.9	3.9	3.9	3.9	5.2	6.5	6.5
115°	6.5	6.5	5.2	3.9	3.9	3.9	3.9	3.9	5.2	6.5	6.5
117.5°	6.5	5.2	3.9	3.9	3.9	3.9	3.9	3.9	5.2	7.8	7.8
120°	6.5	5.2	3.9	3.9	2.6	2.6	3.9	3.9	5.2	7.8	7.8
122.5°	6.5	6.5	3.9	3.9	2.6	2.6	2.6	3.9	5.2	7.8	7.8
125°	6.5	5.2	3.9	3.9	2.6	2.6	2.6	2.6	5.2	7.8	7.8
127.5°	6.5	5.2	3.9	2.6	2.6	2.6	2.6	2.6	5.2	7.8	7.8
130°	5.2	5.2	3.9	2.6	2.6	2.6	2.6	2.6	5.2	6.5	7.8
132.5°	5.2	3.9	2.6	2.6	2.6	2.6	2.6	2.6	3.9	6.5	6.5
135°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	3.9	5.2	5.2
137.5°	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
140°	2.6	2.6	2.6	2.6	1.3	1.3	2.6	2.6	2.6	3.9	3.9
142.5°	2.6	2.6	2.6	2.6	1.3	2.6	2.6	2.6	3.9	3.9	3.9
145°	3.9	2.6	2.6	2.6	1.3	1.3	2.6	2.6	3.9	3.9	3.9
147.5°	3.9	2.6	2.6	2.6	1.3	1.3	2.6	2.6	3.9	3.9	3.9
150°	3.9	3.9	2.6	2.6	1.3	1.3	2.6	2.6	3.9	3.9	3.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)