

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: P695769

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T2U-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-827-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5007 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

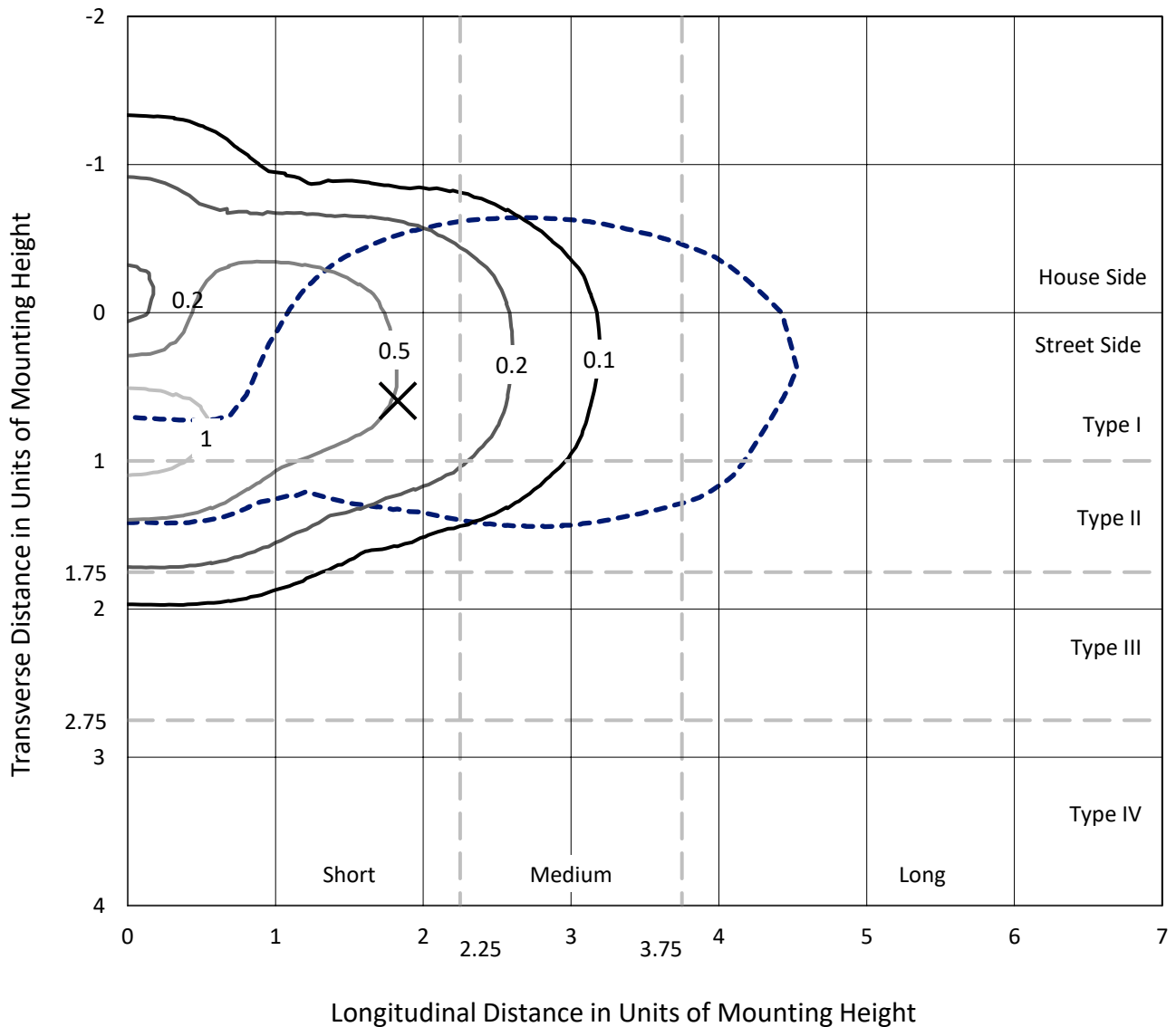
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

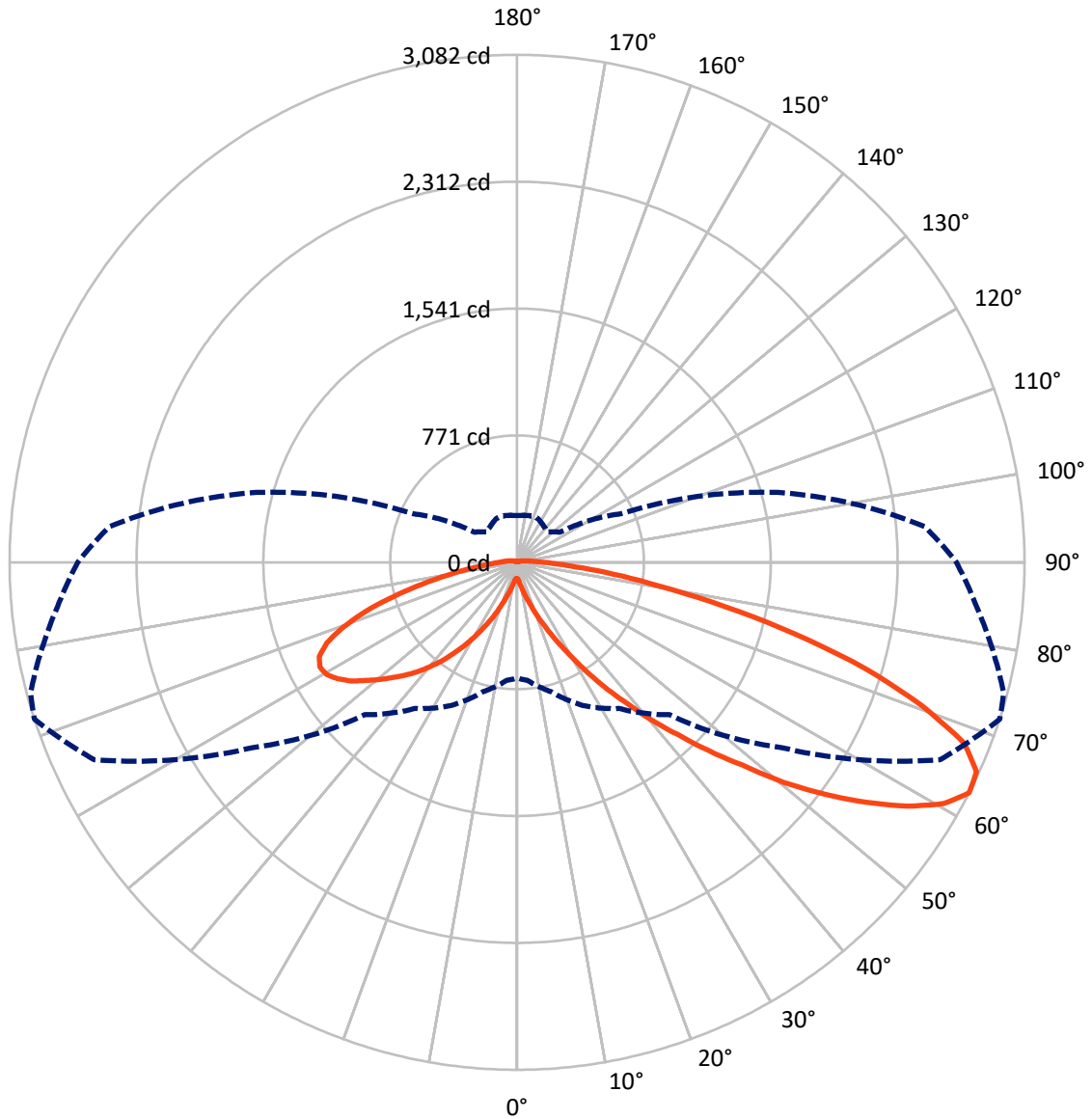
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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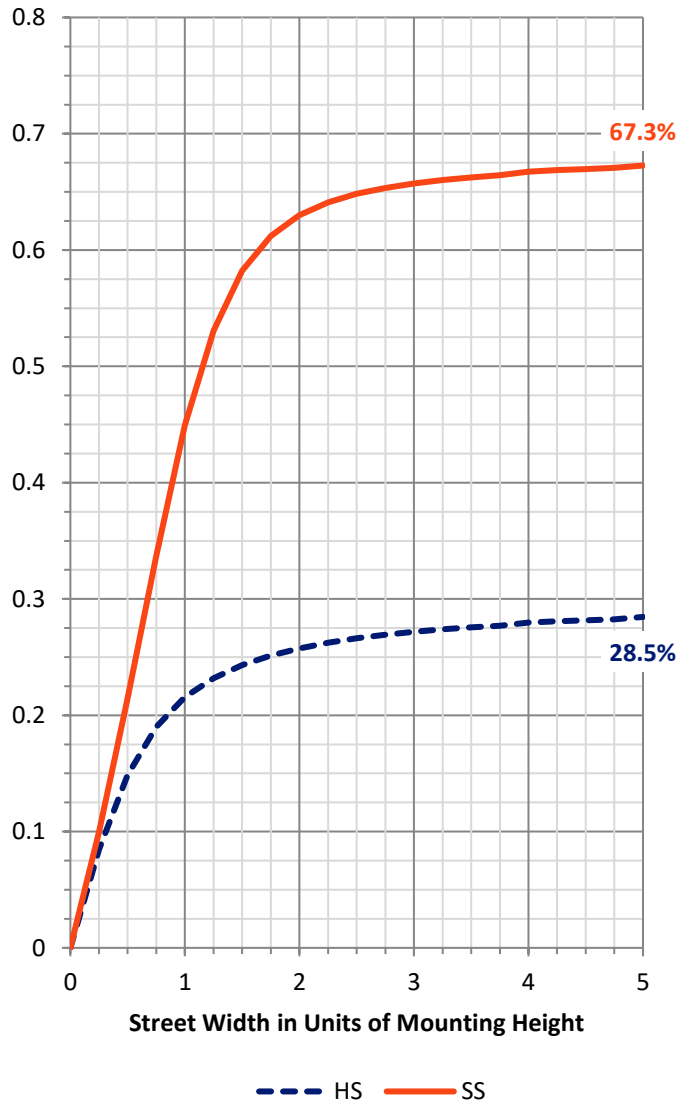
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1468.0	74.7	1542.7
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	3403.7	60.6	3464.3
	% Fixture	68.0	1.2	69.2
Total	Lumens	4871.8	135.3	5007.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.2
10°-20°	63.2	1.3
20°-30°	208.7	4.2
30°-40°	498.5	10.0
40°-50°	886.4	17.7
50°-60°	1172.0	23.4
60°-70°	1126.0	22.5
70°-80°	683.5	13.7
80°-90°	221.8	4.4
90°-100°	68.2	1.4
100°-110°	31.9	0.6
110°-120°	16.5	0.3
120°-130°	9.7	0.2
130°-140°	5.9	0.1
140°-150°	2.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4871.8	97.3
0°-180°	5007.0	100.0

Coefficient of Utilization

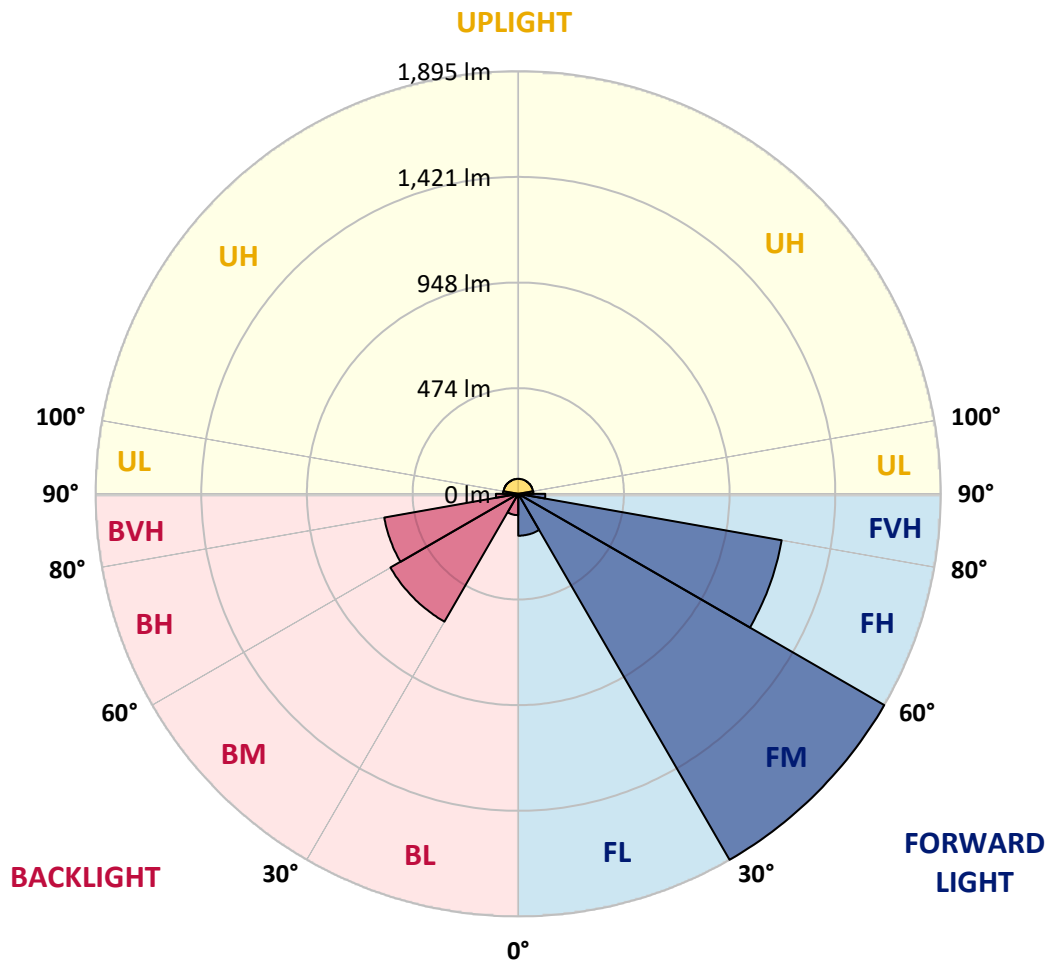


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.8	3.8			
FM (30°-60°)	1895.1	37.8			
FH (60°-80°)	1199.5	24.0			G1/1800
FVH (80°-90°)	121.3	2.4			G2/225
BL (0°-30°)	95.8	1.9	B0/110		
BM (30°-60°)	661.8	13.2	B1/1000		
BH (60°-80°)	610.0	12.2	B2/1000		G2/1000
BVH (80°-90°)	100.4	2.0			G2/225
UL (90°-100°)	68.2	1.4		U3/500	
UH (100°-180°)	67.1	1.3		U3/500	

BUG Rating: B2-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.5°	110.5	112.3	110.5	112.3	110.5	108.8	108.8	105.3	105.3	103.5	101.7
5°	131.6	133.3	133.3	131.6	128.1	126.3	121.0	119.3	115.8	114.0	110.5
7.5°	161.4	159.6	161.4	156.1	154.4	150.9	143.8	138.6	133.3	131.6	126.3
10°	200.0	198.2	196.5	193.0	187.7	180.7	173.7	163.1	159.6	157.9	149.1
12.5°	245.6	249.1	243.8	238.6	229.8	221.0	208.8	196.5	191.2	189.5	175.4
15°	312.3	312.3	305.2	296.5	278.9	264.9	252.6	240.3	231.6	228.1	215.8
17.5°	396.5	391.2	382.4	361.4	345.6	322.8	308.7	289.4	280.7	278.9	263.1
20°	489.4	492.9	473.6	447.3	417.5	389.4	368.4	349.1	340.3	338.6	319.3
22.5°	612.2	612.2	585.9	550.8	501.7	463.1	438.6	419.3	407.0	400.0	387.7
25°	754.3	754.3	724.5	656.1	603.5	550.8	515.7	494.7	489.4	482.4	464.9
27.5°	924.5	929.7	873.6	805.2	708.7	645.6	603.5	591.2	580.7	584.2	549.1
30°	1121.0	1112.2	1052.5	947.3	836.8	754.3	712.2	694.7	687.7	689.4	657.8
32.5°	1308.7	1294.6	1240.2	1119.2	971.8	878.9	831.5	817.5	812.2	805.2	766.6
35°	1526.2	1513.9	1436.7	1289.4	1126.2	1005.2	949.0	949.0	949.0	940.3	884.1
37.5°	1736.7	1713.9	1629.7	1468.3	1278.8	1142.0	1094.6	1101.7	1091.1	1078.9	1015.7
40°	1905.1	1889.3	1808.6	1643.7	1435.0	1291.1	1245.5	1256.0	1261.3	1243.8	1156.0
42.5°	2024.4	2017.4	1952.5	1798.1	1575.3	1438.5	1420.9	1433.2	1429.7	1410.4	1313.9
45°	2082.3	2075.3	2033.2	1906.9	1712.1	1584.1	1585.8	1640.2	1631.4	1610.4	1471.8
47.5°	2050.7	2059.5	2043.7	1964.7	1798.1	1706.9	1756.0	1852.5	1840.2	1820.9	1650.7
50°	1956.0	1952.5	1977.0	1949.0	1831.4	1789.3	1922.6	2098.1	2101.6	2050.7	1856.0
52.5°	1757.7	1766.5	1836.7	1852.5	1803.4	1820.9	2063.0	2334.9	2341.9	2280.5	2052.5
55°	1522.7	1520.9	1612.1	1692.8	1696.4	1785.8	2143.7	2538.4	2573.5	2527.9	2263.0
57.5°	1210.4	1242.0	1336.7	1464.8	1527.9	1678.8	2171.7	2720.8	2794.5	2731.4	2452.4
60°	936.8	961.3	1075.3	1213.9	1315.7	1515.7	2101.6	2820.8	2976.9	2933.1	2655.9
62.5°	703.5	719.2	815.7	961.3	1084.1	1308.7	1961.2	2834.9	3082.2	3059.4	2791.0
65°	517.5	526.3	619.2	745.6	866.6	1061.3	1708.6	2715.6	3066.4	3082.2	2884.0
67.5°	375.4	389.4	457.9	570.1	673.6	850.8	1433.2	2459.4	2927.8	2973.4	2850.6
70°	296.5	303.5	350.8	438.6	514.0	649.1	1156.0	2106.8	2608.6	2712.1	2684.0
72.5°	238.6	242.1	278.9	345.6	394.7	492.9	873.6	1703.4	2219.1	2338.4	2403.3
75°	196.5	200.0	229.8	275.4	314.0	368.4	640.3	1289.4	1743.7	1873.5	2013.9
77.5°	156.1	163.1	185.9	221.0	249.1	280.7	449.1	931.5	1289.4	1391.1	1554.3
80°	124.6	128.1	149.1	177.2	198.2	221.0	329.8	617.5	871.9	998.2	1121.0
82.5°	94.7	98.2	114.0	136.8	154.4	170.2	235.1	407.0	585.9	649.1	717.5
85°	68.4	68.4	84.2	103.5	119.3	135.1	171.9	264.9	357.9	394.7	442.1
87.5°	45.6	47.4	57.9	75.4	93.0	105.3	126.3	173.7	228.1	240.3	271.9
90°	31.6	33.3	40.3	54.4	70.2	82.4	94.7	119.3	143.8	156.1	178.9
92.5°	22.8	24.6	31.6	40.3	54.4	66.7	75.4	86.0	101.7	110.5	122.8
95°	17.5	19.3	24.6	33.3	43.9	54.4	61.4	66.7	77.2	82.4	91.2
97.5°	15.8	15.8	21.1	28.1	36.8	45.6	50.9	54.4	61.4	64.9	71.9
100°	14.0	14.0	17.5	24.6	31.6	38.6	42.1	43.9	49.1	50.9	56.1
102.5°	12.3	12.3	15.8	21.1	28.1	33.3	36.8	36.8	40.3	40.3	43.9
105°	10.5	10.5	14.0	19.3	24.6	29.8	31.6	31.6	31.6	33.3	33.3
107.5°	10.5	10.5	12.3	17.5	21.1	26.3	28.1	26.3	26.3	26.3	26.3
110°	8.8	8.8	12.3	15.8	19.3	22.8	22.8	22.8	21.1	21.1	21.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	8.8	8.8	10.5	14.0	17.5	19.3	21.1	19.3	17.5	17.5	17.5
115°	8.8	8.8	10.5	12.3	15.8	17.5	17.5	15.8	14.0	14.0	14.0
117.5°	7.0	8.8	8.8	12.3	14.0	15.8	15.8	14.0	12.3	12.3	12.3
120°	7.0	7.0	8.8	10.5	12.3	14.0	14.0	12.3	10.5	10.5	12.3
122.5°	7.0	7.0	8.8	10.5	12.3	12.3	12.3	10.5	10.5	10.5	10.5
125°	7.0	7.0	7.0	8.8	10.5	12.3	10.5	10.5	8.8	8.8	10.5
127.5°	7.0	7.0	7.0	8.8	10.5	10.5	10.5	8.8	8.8	8.8	8.8
130°	7.0	7.0	7.0	7.0	8.8	8.8	8.8	8.8	7.0	7.0	8.8
132.5°	7.0	7.0	7.0	7.0	8.8	8.8	8.8	7.0	7.0	7.0	7.0
135°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	5.3	7.0	7.0
137.5°	7.0	7.0	5.3	7.0	7.0	7.0	7.0	5.3	5.3	5.3	7.0
140°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
142.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	3.5	3.5	5.3	5.3
145°	5.3	5.3	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
150°	3.5	3.5	3.5	3.5	3.5	1.8	1.8	1.8	1.8	1.8	3.5
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°	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.5°	101.7	100.0	98.2	96.5	96.5	94.7	94.7	93.0	93.0	93.0	93.0
5°	108.8	107.0	103.5	100.0	96.5	94.7	91.2	89.5	89.5	87.7	87.7
7.5°	124.6	119.3	114.0	108.8	103.5	98.2	94.7	91.2	89.5	89.5	89.5
10°	143.8	140.3	129.8	122.8	115.8	108.8	103.5	98.2	94.7	94.7	93.0
12.5°	173.7	168.4	154.4	145.6	133.3	122.8	115.8	108.8	105.3	103.5	103.5
15°	208.8	201.7	189.5	171.9	156.1	142.1	131.6	126.3	122.8	121.0	121.0
17.5°	256.1	245.6	226.3	205.2	184.2	164.9	154.4	145.6	140.3	142.1	142.1
20°	312.3	300.0	273.7	245.6	215.8	194.7	177.2	168.4	164.9	164.9	164.9
22.5°	373.7	359.6	331.6	293.0	254.4	224.5	201.7	191.2	191.2	191.2	191.2
25°	454.3	429.8	394.7	343.8	293.0	250.9	226.3	217.5	217.5	219.3	221.0
27.5°	531.5	515.7	463.1	398.2	333.3	278.9	247.3	238.6	243.8	247.3	249.1
30°	629.8	601.7	538.6	454.3	370.1	301.7	266.6	259.6	268.4	273.7	275.4
32.5°	738.5	699.9	619.2	515.7	403.5	319.3	280.7	277.2	285.9	294.7	294.7
35°	849.1	803.4	701.7	575.4	429.8	329.8	289.4	289.4	300.0	308.7	308.7
37.5°	970.1	908.7	791.2	626.3	450.8	335.1	294.7	296.5	308.7	314.0	315.8
40°	1098.2	1028.0	875.4	673.6	461.4	333.3	296.5	301.7	310.5	315.8	315.8
42.5°	1231.5	1152.5	966.6	708.7	463.1	329.8	294.7	301.7	310.5	312.3	312.3
45°	1382.3	1289.4	1054.3	735.0	456.1	322.8	293.0	301.7	307.0	305.2	305.2
47.5°	1549.0	1435.0	1138.5	756.1	442.1	314.0	291.2	301.7	303.5	300.0	298.2
50°	1736.7	1596.4	1236.7	764.8	426.3	305.2	289.4	300.0	300.0	293.0	293.0
52.5°	1931.4	1782.3	1336.7	766.6	407.0	296.5	289.4	300.0	298.2	287.7	287.7
55°	2110.4	1964.7	1443.7	764.8	385.9	285.9	285.9	300.0	296.5	285.9	285.9
57.5°	2340.2	2159.5	1533.2	750.8	363.1	278.9	284.2	300.0	294.7	284.2	284.2
60°	2512.1	2338.4	1603.4	731.5	342.1	268.4	280.7	298.2	293.0	284.2	284.2
62.5°	2668.2	2485.8	1638.5	698.2	317.5	259.6	275.4	294.7	293.0	285.9	284.2
65°	2747.1	2548.9	1624.4	647.3	294.7	249.1	270.2	291.2	289.4	284.2	284.2
67.5°	2727.8	2524.4	1545.5	582.4	271.9	238.6	261.4	280.7	282.4	280.7	280.7
70°	2585.8	2361.2	1396.4	501.7	250.9	224.5	250.9	270.2	271.9	271.9	273.7
72.5°	2308.6	2085.8	1203.4	426.3	228.1	210.5	235.1	254.4	257.9	259.6	257.9
75°	1940.2	1713.9	963.1	352.6	207.0	194.7	217.5	235.1	240.3	240.3	240.3
77.5°	1492.9	1310.4	726.3	282.4	185.9	177.2	198.2	214.0	217.5	219.3	217.5
80°	1059.6	924.5	512.2	228.1	164.9	159.6	175.4	187.7	191.2	194.7	193.0
82.5°	691.2	617.5	359.6	180.7	142.1	138.6	152.6	161.4	164.9	164.9	163.1
85°	419.3	384.2	236.8	143.8	121.0	117.5	128.1	133.3	135.1	135.1	135.1
87.5°	261.4	236.8	166.7	115.8	101.7	100.0	105.3	107.0	112.3	110.5	108.8
90°	168.4	157.9	122.8	91.2	82.4	82.4	86.0	86.0	89.5	89.5	86.0
92.5°	121.0	115.8	94.7	75.4	68.4	70.2	71.9	70.2	71.9	71.9	71.9
95°	93.0	89.5	78.9	64.9	57.9	59.6	57.9	57.9	59.6	59.6	57.9
97.5°	73.7	73.7	64.9	54.4	50.9	49.1	50.9	49.1	50.9	49.1	47.4
100°	57.9	57.9	54.4	47.4	43.9	42.1	43.9	42.1	43.9	42.1	40.3
102.5°	45.6	47.4	45.6	40.3	38.6	36.8	36.8	36.8	36.8	35.1	35.1
105°	35.1	36.8	38.6	35.1	33.3	31.6	31.6	31.6	31.6	29.8	28.1
107.5°	28.1	29.8	31.6	29.8	29.8	28.1	28.1	28.1	26.3	24.6	24.6
110°	22.8	24.6	26.3	26.3	24.6	24.6	24.6	24.6	22.8	21.1	21.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.3	19.3	21.1	22.8	22.8	22.8	22.8	21.1	19.3	19.3	19.3
115°	15.8	17.5	19.3	19.3	19.3	19.3	19.3	17.5	17.5	15.8	15.8
117.5°	14.0	14.0	15.8	17.5	17.5	17.5	17.5	15.8	14.0	14.0	15.8
120°	12.3	12.3	14.0	15.8	15.8	15.8	15.8	14.0	12.3	14.0	14.0
122.5°	12.3	12.3	12.3	14.0	14.0	14.0	14.0	12.3	12.3	12.3	12.3
125°	10.5	10.5	12.3	12.3	12.3	12.3	12.3	10.5	10.5	12.3	12.3
127.5°	10.5	10.5	10.5	10.5	12.3	12.3	10.5	10.5	10.5	10.5	10.5
130°	8.8	8.8	10.5	10.5	10.5	10.5	10.5	8.8	8.8	10.5	10.5
132.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
135°	7.0	7.0	8.8	8.8	8.8	8.8	8.8	7.0	8.8	8.8	8.8
137.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	8.8	8.8
140°	5.3	5.3	5.3	7.0	7.0	7.0	7.0	5.3	7.0	7.0	7.0
142.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	7.0	7.0
145°	3.5	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3	5.3
150°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3
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)