

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: P695622

Luminaire Tested: **LXF.LXT-PA16-60-730-U-T3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-730-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6071.9 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

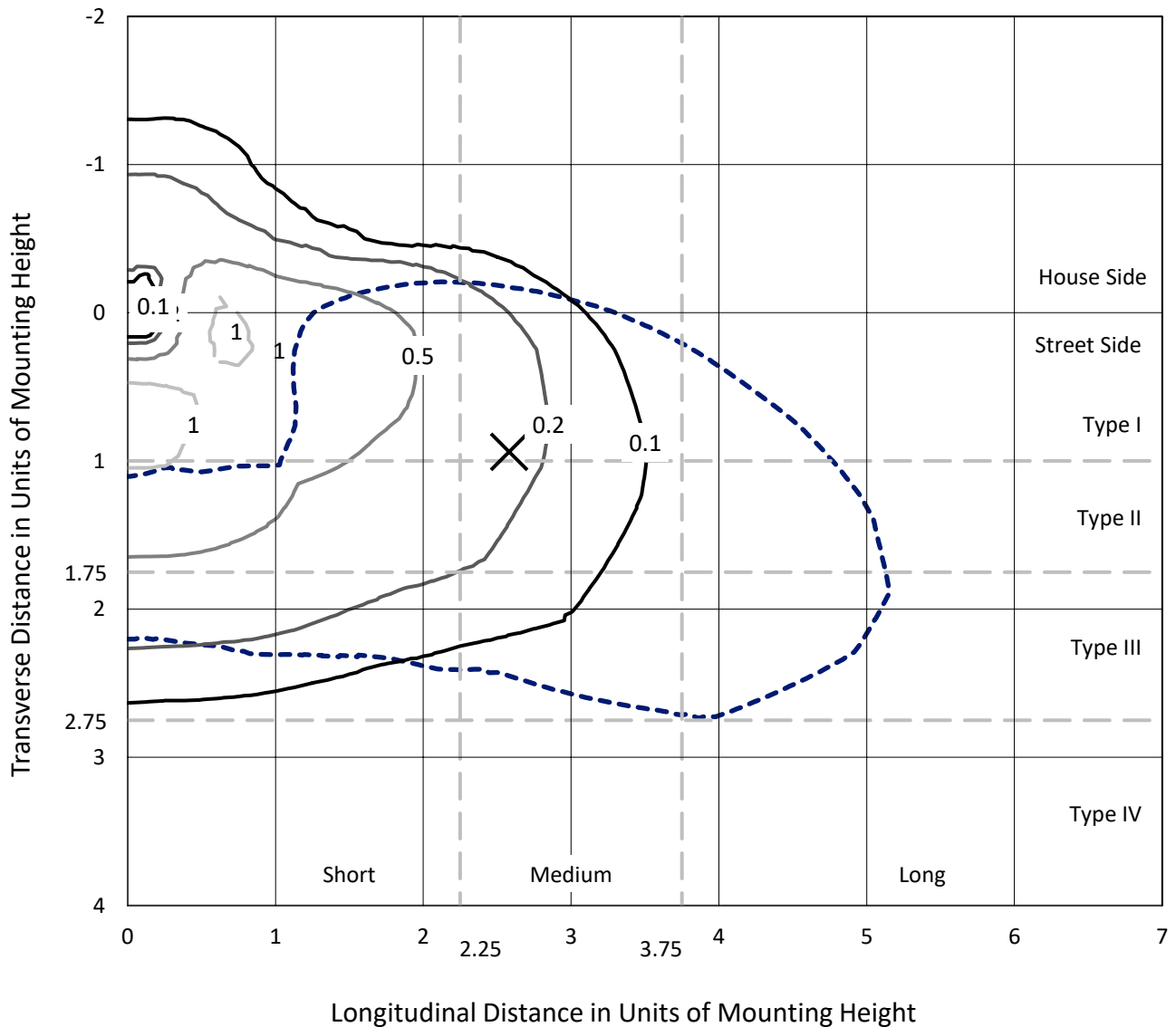
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

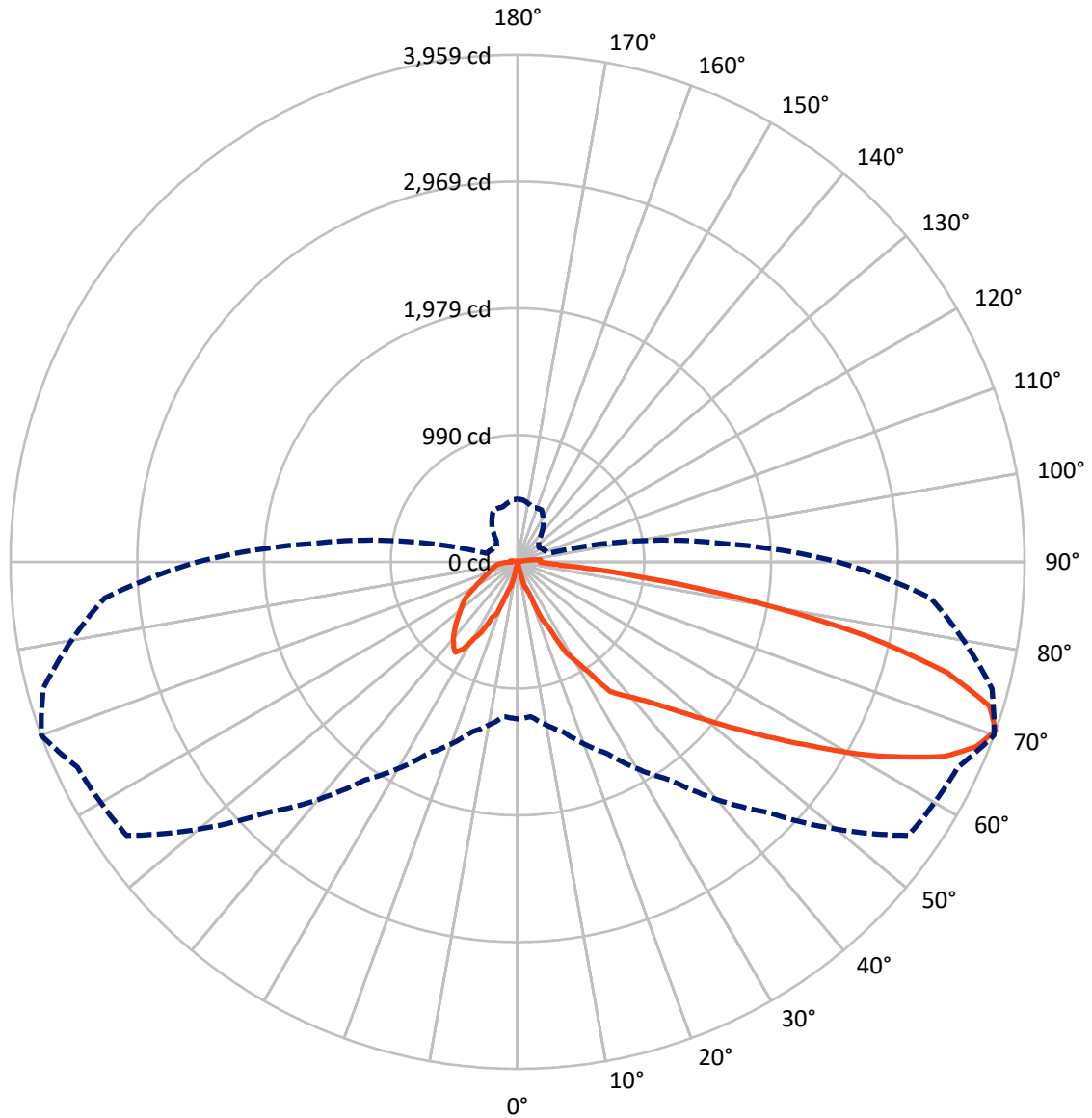
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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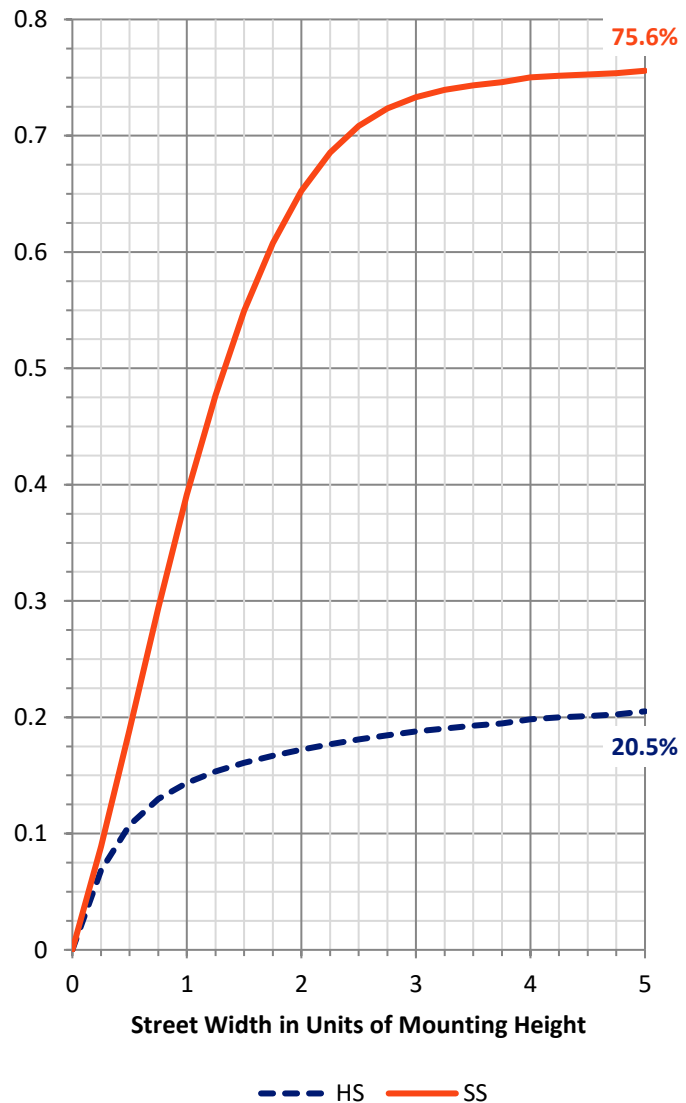
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1321.3	65.4	1386.7
	% Fixture	21.8	1.1	22.8
Street Side	Lumens	4627.6	57.5	4685.2
	% Fixture	76.2	0.9	77.2
Total	Lumens	5948.9	123.0	6071.9
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	43.3	0.7
20°-30°	248.1	4.1
30°-40°	572.7	9.4
40°-50°	839.0	13.8
50°-60°	1240.8	20.4
60°-70°	1627.4	26.8
70°-80°	1105.2	18.2
80°-90°	271.9	4.5
90°-100°	89.3	1.5
100°-110°	15.9	0.3
110°-120°	6.3	0.1
120°-130°	5.0	0.1
130°-140°	3.5	0.1
140°-150°	2.6	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5948.9	98.0
0°-180°	6071.9	100.0

Coefficient of Utilization



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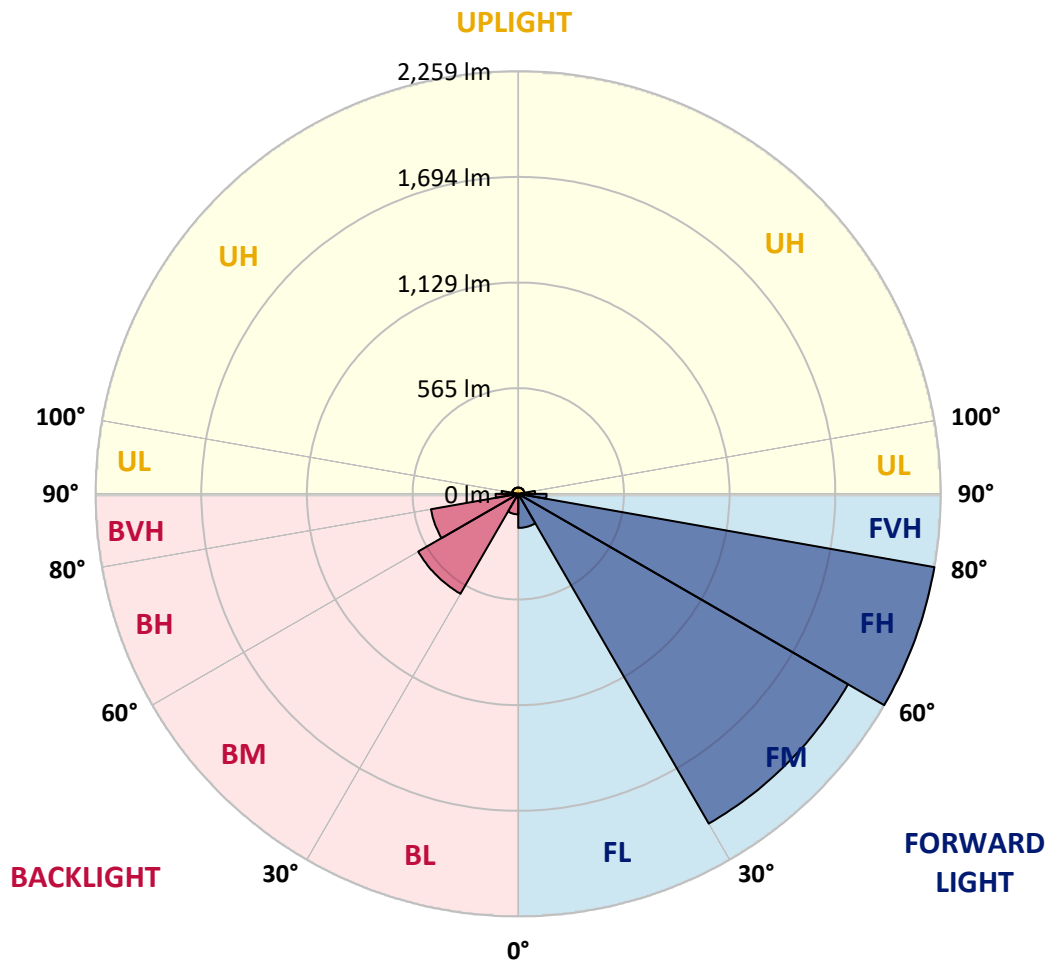
CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.3	3.0			
FM (30°-60°)	2035.4	33.5			
FH (60°-80°)	2258.8	37.2			G2/5000
FVH (80°-90°)	151.1	2.5			G2/225
BL (0°-30°)	109.6	1.8	B0/110		
BM (30°-60°)	617.1	10.2	B1/1000		
BH (60°-80°)	473.8	7.8	B1/500		G1/500
BVH (80°-90°)	120.8	2.0			G2/225
UL (90°-100°)	89.3	1.5		U3/500	
UH (100°-180°)	33.7	0.6		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
5°	4.2	4.2	4.2	4.2	6.4	6.4	4.2	4.2	4.2	4.2	4.2
7.5°	6.4	4.2	4.2	6.4	6.4	6.4	6.4	4.2	4.2	4.2	4.2
10°	36.1	38.2	25.5	14.9	10.6	6.4	6.4	6.4	6.4	6.4	6.4
12.5°	195.5	193.4	189.1	131.7	46.7	14.9	10.6	19.1	23.4	29.7	42.5
15°	221.0	223.1	216.7	214.6	201.9	76.5	40.4	178.5	195.5	197.6	197.6
17.5°	308.1	306.0	276.2	242.2	227.4	235.9	189.1	212.5	221.0	225.2	227.4
20°	518.5	516.4	510.0	435.6	280.5	344.2	333.6	252.9	267.7	344.2	437.7
22.5°	578.0	573.7	565.2	544.0	563.1	393.1	382.5	444.1	482.4	505.7	503.6
25°	886.1	894.6	737.4	612.0	622.6	537.6	578.0	573.7	563.1	567.4	573.7
27.5°	986.0	977.5	964.7	903.1	692.7	731.0	658.7	733.1	801.1	839.4	828.7
30°	1264.4	1262.2	1111.4	1005.1	909.5	792.6	820.2	924.4	901.0	907.4	873.4
32.5°	1476.9	1474.7	1453.5	1241.0	1030.6	896.7	973.2	977.5	1037.0	1153.9	1164.5
35°	1559.7	1551.2	1536.4	1381.2	1173.0	1056.1	1028.5	1209.1	1243.1	1247.4	1217.6
37.5°	1644.7	1634.1	1621.4	1449.2	1313.2	1119.9	1179.4	1317.5	1317.5	1345.1	1270.7
40°	1693.6	1693.6	1691.5	1506.6	1377.0	1177.2	1253.7	1400.4	1396.1	1415.2	1345.1
42.5°	1755.2	1748.8	1772.2	1566.1	1442.9	1236.7	1326.0	1479.0	1491.7	1540.6	1445.0
45°	1842.3	1850.8	1861.5	1693.6	1532.1	1323.9	1411.0	1602.2	1615.0	1680.8	1589.5
47.5°	1938.0	1948.6	1986.8	1827.5	1676.6	1434.4	1483.2	1742.5	1772.2	1853.0	1772.2
50°	2057.0	2059.1	2114.3	1961.3	1861.5	1591.6	1615.0	1878.5	1957.1	2029.3	1980.5
52.5°	2142.0	2150.5	2218.5	2133.5	2031.5	1780.7	1806.2	2054.8	2178.1	2267.3	2205.7
55°	2216.3	2222.7	2286.5	2265.2	2173.8	1925.2	2054.8	2292.8	2431.0	2507.5	2482.0
57.5°	2244.0	2250.3	2346.0	2363.0	2318.3	2108.0	2316.2	2528.7	2713.6	2798.6	2756.1
60°	2224.8	2224.8	2341.7	2433.1	2477.7	2309.8	2592.5	2794.3	3045.1	3102.5	3117.3
62.5°	2161.1	2178.1	2320.5	2462.8	2592.5	2507.5	2873.0	3123.7	3355.3	3408.4	3374.4
65°	2020.8	2025.1	2176.0	2399.1	2605.2	2722.1	3232.1	3402.1	3663.4	3644.3	3499.8
67.5°	1755.2	1725.5	1857.2	2171.7	2465.0	2832.6	3531.7	3637.9	3856.8	3793.1	3467.9
70°	1226.1	1213.4	1374.9	1651.1	2078.2	2768.8	3725.1	3793.1	3958.8	3835.6	3236.3
72.5°	582.2	629.0	709.7	945.6	1440.7	2337.5	3671.9	3778.2	3852.6	3712.3	2811.3
75°	255.0	261.4	303.9	429.2	741.6	1476.9	3213.0	3393.6	3467.9	3308.6	2214.2
77.5°	182.7	182.7	201.9	233.7	337.9	705.5	2188.7	2688.1	2783.7	2628.6	1551.2
80°	142.4	142.4	157.2	178.5	210.4	291.1	1364.2	1802.0	1836.0	1606.5	864.9
82.5°	106.2	110.5	123.2	133.9	155.1	199.7	584.4	926.5	949.9	745.9	452.6
85°	76.5	76.5	85.0	85.0	102.0	155.1	301.7	340.0	337.9	299.6	280.5
87.5°	25.5	25.5	21.2	25.5	42.5	97.7	189.1	191.2	182.7	208.2	235.9
90°	29.7	29.7	21.2	23.4	31.9	89.2	182.7	182.7	174.2	187.0	235.9
92.5°	31.9	31.9	23.4	23.4	27.6	78.6	184.9	193.4	182.7	189.1	233.7
95°	31.9	31.9	23.4	21.2	25.5	53.1	178.5	178.5	172.1	167.9	184.9
97.5°	19.1	19.1	14.9	17.0	21.2	27.6	106.2	110.5	97.7	76.5	99.9
100°	12.7	12.7	10.6	12.7	14.9	14.9	51.0	53.1	40.4	19.1	21.2
102.5°	12.7	12.7	8.5	10.6	8.5	8.5	14.9	19.1	12.7	12.7	17.0
105°	12.7	14.9	6.4	6.4	6.4	6.4	6.4	12.7	10.6	10.6	17.0
107.5°	12.7	12.7	6.4	6.4	6.4	6.4	4.2	6.4	8.5	10.6	19.1
110°	6.4	8.5	4.2	6.4	4.2	6.4	4.2	6.4	8.5	8.5	14.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	4.2	4.2	2.1	4.2	4.2	4.2	4.2	6.4	6.4	6.4	10.6
115°	4.2	4.2	2.1	2.1	2.1	4.2	4.2	4.2	6.4	6.4	10.6
117.5°	4.2	4.2	2.1	2.1	2.1	2.1	4.2	4.2	4.2	6.4	10.6
120°	6.4	4.2	2.1	2.1	2.1	2.1	4.2	4.2	6.4	6.4	10.6
122.5°	6.4	4.2	2.1	2.1	2.1	2.1	2.1	4.2	4.2	6.4	10.6
125°	6.4	4.2	2.1	2.1	2.1	2.1	2.1	4.2	4.2	6.4	10.6
127.5°	4.2	4.2	2.1	2.1	2.1	2.1	2.1	4.2	4.2	6.4	10.6
130°	4.2	4.2	2.1	2.1	2.1	2.1	2.1	4.2	4.2	6.4	8.5
132.5°	4.2	4.2	2.1	2.1	2.1	2.1	4.2	4.2	4.2	4.2	8.5
135°	4.2	4.2	2.1	2.1	2.1	2.1	4.2	4.2	4.2	4.2	6.4
137.5°	4.2	4.2	2.1	2.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2
140°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
142.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
145°	6.4	6.4	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
147.5°	6.4	6.4	6.4	4.2	4.2	4.2	4.2	4.2	4.2	4.2	6.4
150°	6.4	6.4	6.4	4.2	4.2	2.1	4.2	4.2	4.2	4.2	6.4
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°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	6.4	6.4
5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	6.4
7.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
10°	6.4	6.4	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	6.4
12.5°	38.2	38.2	29.7	14.9	6.4	4.2	4.2	4.2	6.4	10.6	8.5
15°	201.9	201.9	197.6	180.6	38.2	10.6	8.5	19.1	85.0	153.0	155.1
17.5°	231.6	229.5	225.2	214.6	191.2	68.0	65.9	178.5	191.2	199.7	201.9
20°	435.6	431.4	333.6	238.0	208.2	206.1	180.6	201.9	208.2	212.5	214.6
22.5°	497.2	490.9	467.5	412.2	238.0	280.5	263.5	218.9	327.2	350.6	350.6
25°	571.6	554.6	507.9	444.1	405.9	295.4	303.9	318.7	337.9	342.1	342.1
27.5°	813.9	799.0	731.0	488.7	435.6	348.5	352.7	323.0	340.0	388.9	395.2
30°	852.1	828.7	767.1	603.5	452.6	391.0	337.9	378.2	397.4	395.2	397.4
32.5°	1134.7	1111.4	986.0	620.5	486.6	367.6	369.7	378.2	391.0	412.2	427.1
35°	1179.4	1153.9	1011.5	705.5	465.4	365.5	365.5	382.5	439.9	448.4	448.4
37.5°	1228.2	1207.0	1000.9	658.7	469.6	365.5	354.9	391.0	414.4	412.2	412.2
40°	1313.2	1279.2	973.2	601.4	427.1	350.6	354.9	367.6	380.4	367.6	361.2
42.5°	1413.1	1351.5	937.1	541.9	393.1	331.5	335.7	340.0	340.0	316.6	314.5
45°	1540.6	1425.9	888.2	486.6	361.2	308.1	318.7	312.4	312.4	293.2	291.1
47.5°	1685.1	1502.4	828.7	437.7	333.6	286.9	301.7	295.4	299.6	282.6	280.5
50°	1853.0	1602.2	771.4	401.6	310.2	276.2	284.7	293.2	299.6	278.4	276.2
52.5°	2029.3	1700.0	731.0	361.2	289.0	263.5	291.1	293.2	297.5	276.2	276.2
55°	2246.1	1821.1	682.1	331.5	274.1	252.9	306.0	306.0	299.6	280.5	278.4
57.5°	2479.8	1942.2	590.7	303.9	261.4	246.5	312.4	323.0	308.1	284.7	284.7
60°	2696.6	2063.3	486.6	282.6	248.6	244.4	316.6	331.5	318.7	297.5	297.5
62.5°	2862.3	2122.8	408.0	265.6	233.7	238.0	314.5	348.5	344.2	333.6	333.6
65°	2881.5	2069.7	342.1	250.7	221.0	235.9	310.2	365.5	367.6	384.6	386.7
67.5°	2779.5	1899.7	291.1	238.0	210.4	229.5	312.4	401.6	412.2	444.1	439.9
70°	2499.0	1623.5	252.9	223.1	201.9	231.6	350.6	446.2	444.1	484.5	488.7
72.5°	2086.7	1285.6	229.5	214.6	206.1	248.6	395.2	459.0	450.5	495.1	490.9
75°	1583.1	907.4	210.4	204.0	199.7	252.9	405.9	446.2	429.2	459.0	454.7
77.5°	1041.2	597.1	191.2	191.2	193.4	242.2	388.9	425.0	403.7	422.9	420.7
80°	586.5	354.9	172.1	180.6	184.9	231.6	363.4	395.2	374.0	388.9	388.9
82.5°	352.7	252.9	150.9	165.7	170.0	229.5	340.0	367.6	348.5	357.0	346.4
85°	240.1	184.9	119.0	140.2	159.4	221.0	320.9	340.0	306.0	299.6	291.1
87.5°	195.5	144.5	65.9	89.2	119.0	189.1	255.0	257.1	225.2	221.0	218.9
90°	191.2	133.9	46.7	48.9	78.6	131.7	167.9	161.5	150.9	153.0	150.9
92.5°	187.0	127.5	51.0	53.1	78.6	104.1	142.4	140.2	129.6	140.2	138.1
95°	159.4	110.5	53.1	57.4	68.0	63.7	104.1	110.5	102.0	108.4	110.5
97.5°	82.9	59.5	51.0	57.4	51.0	38.2	61.6	70.1	53.1	42.5	46.7
100°	27.6	19.1	51.0	59.5	38.2	27.6	44.6	51.0	31.9	12.7	12.7
102.5°	17.0	17.0	36.1	46.7	27.6	14.9	29.7	36.1	23.4	10.6	10.6
105°	17.0	17.0	14.9	25.5	10.6	8.5	10.6	19.1	12.7	10.6	10.6
107.5°	19.1	17.0	8.5	8.5	8.5	6.4	6.4	8.5	8.5	10.6	10.6
110°	17.0	14.9	8.5	8.5	6.4	6.4	6.4	6.4	8.5	12.7	12.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.6	12.7	8.5	6.4	6.4	6.4	6.4	6.4	8.5	12.7	12.7
115°	10.6	10.6	6.4	6.4	4.2	6.4	6.4	6.4	8.5	12.7	14.9
117.5°	12.7	10.6	6.4	4.2	4.2	4.2	4.2	6.4	8.5	14.9	14.9
120°	12.7	10.6	6.4	6.4	4.2	4.2	4.2	6.4	8.5	14.9	17.0
122.5°	12.7	10.6	6.4	4.2	4.2	4.2	4.2	6.4	8.5	14.9	17.0
125°	10.6	10.6	6.4	4.2	4.2	4.2	4.2	6.4	8.5	14.9	14.9
127.5°	10.6	10.6	6.4	4.2	4.2	4.2	4.2	6.4	8.5	14.9	14.9
130°	10.6	8.5	6.4	4.2	4.2	4.2	4.2	6.4	8.5	12.7	14.9
132.5°	8.5	8.5	6.4	4.2	4.2	4.2	4.2	4.2	8.5	12.7	12.7
135°	6.4	6.4	4.2	4.2	4.2	4.2	4.2	4.2	6.4	8.5	10.6
137.5°	4.2	4.2	4.2	4.2	2.1	2.1	4.2	4.2	6.4	6.4	8.5
140°	4.2	4.2	4.2	4.2	2.1	2.1	4.2	4.2	4.2	6.4	6.4
142.5°	4.2	4.2	4.2	4.2	2.1	2.1	4.2	4.2	4.2	6.4	6.4
145°	4.2	4.2	4.2	4.2	2.1	2.1	4.2	4.2	4.2	6.4	6.4
147.5°	6.4	4.2	4.2	4.2	2.1	2.1	4.2	4.2	4.2	6.4	6.4
150°	6.4	4.2	4.2	2.1	2.1	2.1	2.1	4.2	4.2	6.4	6.4
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)