

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: P695614

Luminaire Tested: **LXF.LXT-PA16-60-730-U-T2R-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)
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-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5731.9 lumens
Efficiency: N/A
Efficacy: 92.5 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: B1 - U3 - G2

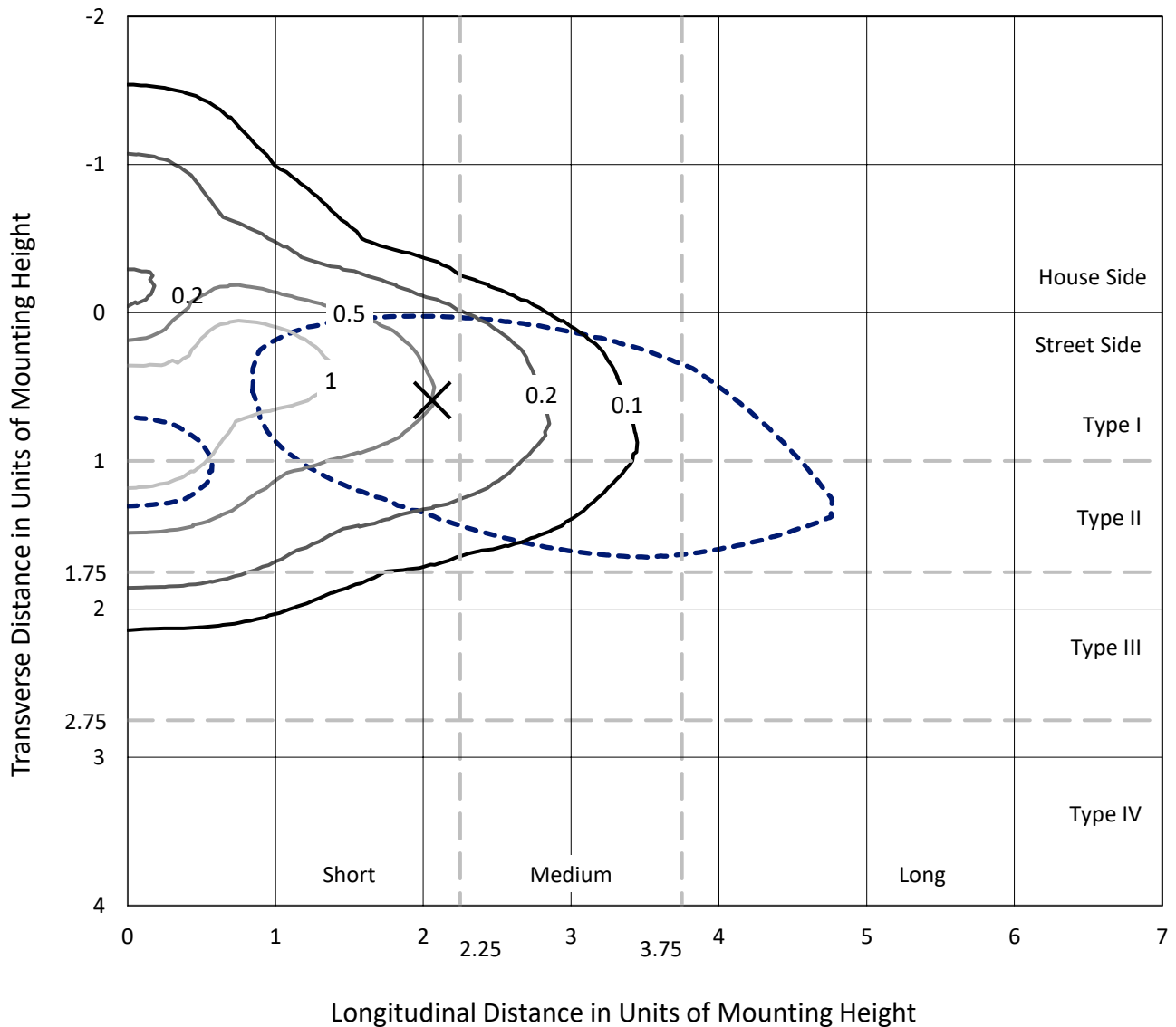
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

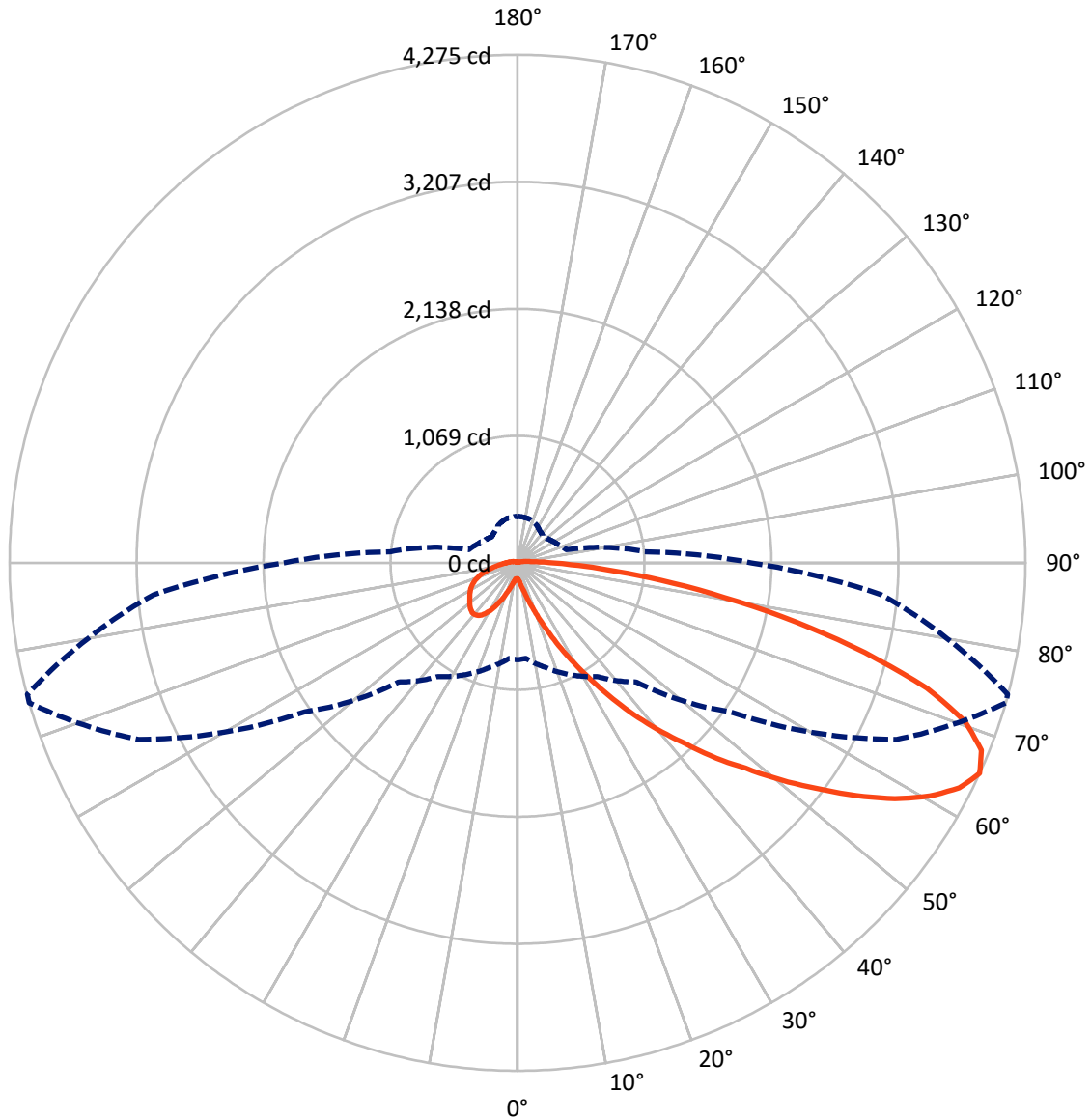
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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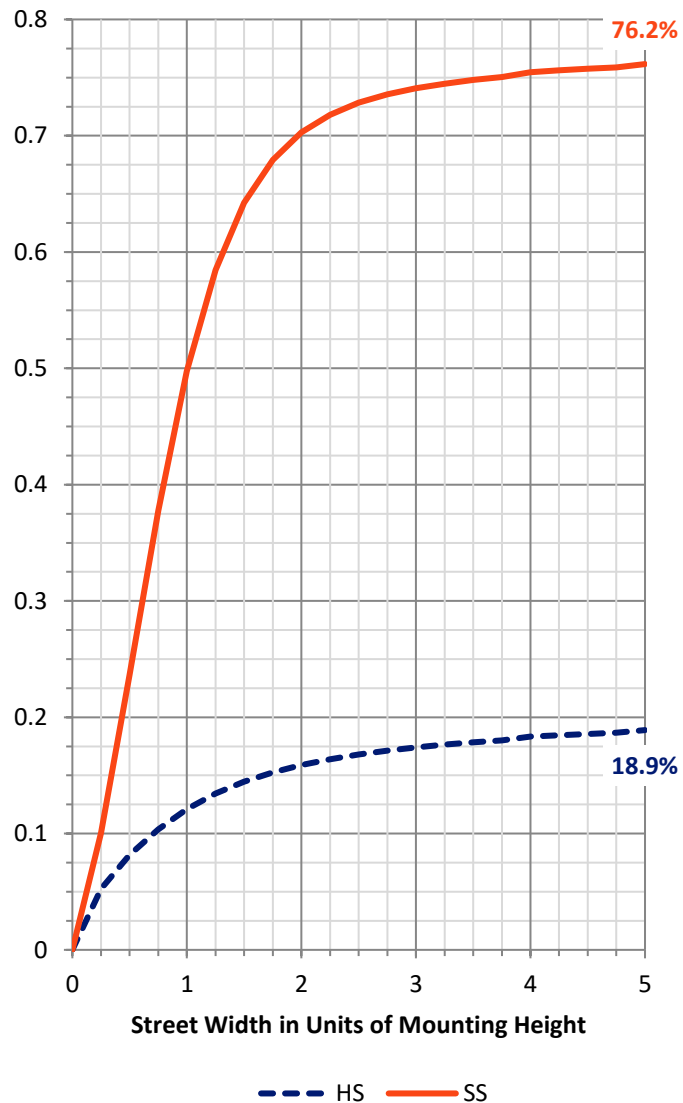
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1137.3	92.7	1230.0
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	4418.9	83.0	4501.9
	% Fixture	77.1	1.4	78.5
Total	Lumens	5556.2	175.7	5731.9
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.3
10°-20°	82.6	1.4
20°-30°	274.7	4.8
30°-40°	629.6	11.0
40°-50°	1007.7	17.6
50°-60°	1250.8	21.8
60°-70°	1213.9	21.2
70°-80°	791.8	13.8
80°-90°	289.5	5.1
90°-100°	86.4	1.5
100°-110°	40.0	0.7
110°-120°	22.1	0.4
120°-130°	13.8	0.2
130°-140°	8.7	0.2
140°-150°	4.4	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5556.2	96.9
0°-180°	5731.9	100.0

Coefficient of Utilization

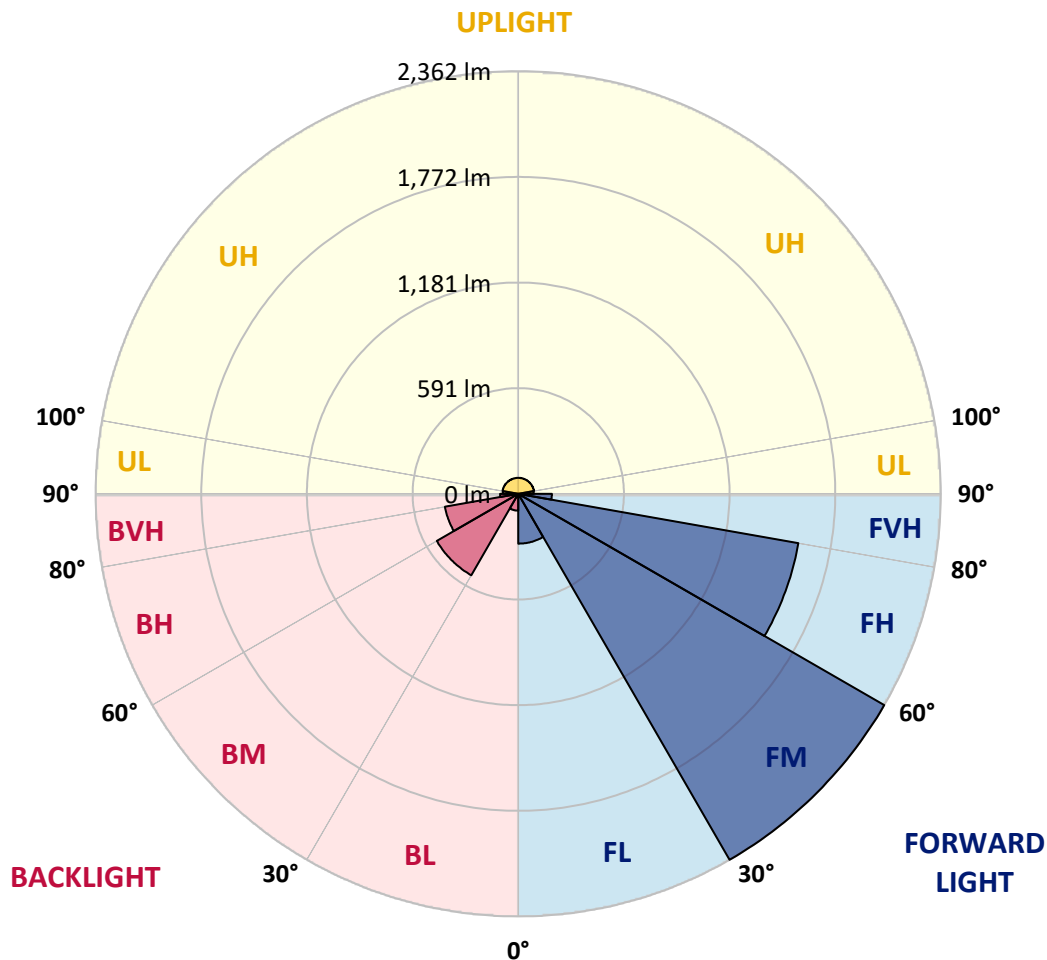


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.6	4.9			
FM (30°-60°)	2362.4	41.2			
FH (60°-80°)	1589.9	27.7			G1/1800
FVH (80°-90°)	188.0	3.3			G2/225
BL (0°-30°)	94.2	1.6	B0/110		
BM (30°-60°)	525.7	9.2	B1/1000		
BH (60°-80°)	415.8	7.3	B1/500		G1/500
BVH (80°-90°)	101.5	1.8			G2/225
UL (90°-100°)	86.4	1.5		U3/500	
UH (100°-180°)	89.3	1.6		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0
2.5°	155.1	157.2	157.2	155.1	153.0	153.0	148.7	144.5	142.4	142.4	140.2
5°	189.1	191.2	191.2	187.0	180.6	178.5	170.0	163.6	157.2	157.2	148.7
7.5°	238.0	240.1	235.9	231.6	223.1	214.6	204.0	191.2	178.5	176.4	165.7
10°	295.4	301.7	297.5	286.9	274.1	263.5	246.5	225.2	212.5	208.2	189.1
12.5°	384.6	380.4	369.7	359.1	344.2	323.0	299.6	274.1	248.6	250.7	225.2
15°	476.0	484.5	469.6	450.5	420.7	397.4	365.5	337.9	310.2	306.0	272.0
17.5°	609.9	607.7	590.7	552.5	507.9	484.5	450.5	416.5	384.6	374.0	329.4
20°	767.1	765.0	731.0	682.1	639.6	592.9	546.1	510.0	471.7	463.2	405.9
22.5°	954.1	945.6	909.5	839.4	767.1	709.7	660.9	633.2	582.2	573.7	495.1
25°	1170.9	1151.7	1111.4	1017.9	907.4	841.5	796.9	765.0	716.1	705.5	603.5
27.5°	1411.0	1398.2	1323.9	1200.6	1068.9	966.9	935.0	913.7	873.4	860.6	724.6
30°	1636.2	1640.5	1559.7	1404.6	1236.7	1113.5	1090.1	1092.2	1039.1	1028.5	867.0
32.5°	1904.0	1887.0	1782.9	1604.4	1394.0	1266.5	1245.2	1275.0	1230.4	1221.9	1022.1
35°	2116.5	2129.2	2018.7	1797.7	1553.4	1406.7	1415.2	1464.1	1438.6	1425.9	1160.2
37.5°	2320.5	2309.8	2180.2	1961.4	1691.5	1538.5	1570.4	1678.7	1653.2	1638.4	1323.9
40°	2456.5	2443.7	2331.1	2095.2	1816.9	1659.6	1721.2	1882.7	1872.1	1865.7	1464.1
42.5°	2520.2	2503.2	2411.8	2188.7	1908.2	1755.2	1876.4	2091.0	2088.8	2082.5	1625.6
45°	2505.3	2494.7	2424.6	2244.0	1967.7	1844.5	2014.5	2307.7	2346.0	2316.2	1774.4
47.5°	2439.5	2428.8	2380.0	2244.0	1999.6	1899.7	2137.7	2535.1	2584.0	2556.3	1940.1
50°	2307.7	2303.5	2290.7	2190.8	1995.4	1944.4	2256.7	2741.2	2873.0	2845.3	2129.2
52.5°	2122.8	2120.7	2142.0	2095.2	1955.0	1950.7	2350.2	2979.2	3155.6	3125.8	2314.1
55°	1906.1	1906.1	1942.2	1946.5	1876.4	1927.4	2422.5	3170.5	3459.5	3417.0	2516.0
57.5°	1629.9	1638.4	1719.1	1772.2	1746.7	1859.4	2448.0	3353.2	3746.3	3718.7	2724.2
60°	1355.7	1360.0	1453.5	1542.7	1587.4	1763.7	2424.6	3478.6	3986.5	3975.8	2892.1
62.5°	1068.9	1073.1	1170.9	1300.5	1387.6	1606.5	2337.5	3536.0	4173.4	4167.1	3015.3
65°	816.0	807.5	911.6	1039.1	1168.7	1419.5	2186.6	3519.0	4275.4	4271.2	3074.8
67.5°	586.5	603.5	682.1	805.4	937.1	1219.7	1978.4	3353.2	4211.7	4215.9	3011.1
70°	425.0	452.6	507.9	601.4	737.4	1003.0	1727.6	3077.0	3995.0	4020.5	2830.5
72.5°	327.2	329.4	374.0	448.4	556.7	794.7	1430.1	2700.8	3601.8	3610.3	2518.1
75°	255.0	261.4	291.1	344.2	427.1	616.2	1160.2	2235.5	3019.6	3068.5	2135.6
77.5°	208.2	210.4	233.7	265.6	327.2	465.4	867.0	1763.7	2401.2	2405.5	1666.0
80°	163.6	172.1	191.2	212.5	255.0	348.5	637.5	1292.0	1765.9	1738.2	1179.4
82.5°	125.4	131.7	146.6	170.0	193.4	261.4	456.9	911.6	1213.4	1192.1	807.5
85°	93.5	97.7	112.6	131.7	153.0	199.7	318.7	588.6	752.2	728.9	490.9
87.5°	65.9	68.0	80.7	97.7	116.9	150.9	221.0	361.2	452.6	444.1	303.9
90°	44.6	46.7	57.4	72.2	91.4	116.9	159.4	225.2	263.5	263.5	193.4
92.5°	31.9	34.0	42.5	55.2	72.2	93.5	116.9	146.6	161.5	159.4	131.7
95°	25.5	25.5	34.0	44.6	59.5	76.5	89.2	99.9	108.4	108.4	99.9
97.5°	21.2	21.2	29.7	38.2	51.0	63.7	72.2	74.4	78.6	78.6	74.4
100°	19.1	19.1	25.5	34.0	42.5	53.1	59.5	57.4	59.5	61.6	57.4
102.5°	17.0	17.0	23.4	29.7	38.2	46.7	48.9	46.7	46.7	46.7	44.6
105°	14.9	14.9	21.2	27.6	34.0	40.4	42.5	38.2	36.1	36.1	36.1
107.5°	12.7	12.7	19.1	23.4	29.7	36.1	36.1	34.0	29.7	29.7	27.6
110°	12.7	12.7	17.0	21.2	27.6	31.9	31.9	27.6	23.4	23.4	23.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	10.6	10.6	14.9	21.2	25.5	27.6	27.6	23.4	21.2	19.1	19.1
115°	10.6	10.6	14.9	19.1	23.4	25.5	25.5	21.2	17.0	17.0	17.0
117.5°	10.6	10.6	12.7	17.0	21.2	23.4	21.2	19.1	14.9	14.9	14.9
120°	10.6	10.6	12.7	14.9	19.1	21.2	21.2	17.0	12.7	12.7	14.9
122.5°	10.6	10.6	12.7	14.9	17.0	19.1	19.1	14.9	12.7	12.7	12.7
125°	10.6	10.6	12.7	14.9	17.0	19.1	17.0	14.9	10.6	10.6	12.7
127.5°	10.6	10.6	12.7	12.7	14.9	17.0	14.9	12.7	10.6	10.6	12.7
130°	10.6	10.6	12.7	12.7	14.9	14.9	14.9	10.6	10.6	10.6	10.6
132.5°	12.7	12.7	12.7	12.7	12.7	14.9	12.7	10.6	8.5	8.5	10.6
135°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	10.6	8.5	8.5	10.6
137.5°	10.6	12.7	10.6	10.6	10.6	12.7	10.6	8.5	8.5	8.5	8.5
140°	10.6	10.6	10.6	10.6	10.6	10.6	8.5	6.4	8.5	8.5	8.5
142.5°	10.6	10.6	10.6	8.5	8.5	8.5	8.5	6.4	6.4	6.4	8.5
145°	8.5	8.5	8.5	8.5	8.5	8.5	6.4	6.4	6.4	6.4	6.4
147.5°	8.5	8.5	8.5	6.4	6.4	6.4	4.2	4.2	4.2	4.2	6.4
150°	6.4	6.4	6.4	6.4	4.2	4.2	4.2	4.2	4.2	4.2	4.2
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°	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0
2.5°	138.1	136.0	133.9	131.7	127.5	125.4	125.4	123.2	123.2	123.2	123.2
5°	144.5	142.4	136.0	129.6	123.2	119.0	114.7	114.7	112.6	110.5	110.5
7.5°	159.4	153.0	142.4	131.7	125.4	116.9	112.6	108.4	106.2	106.2	106.2
10°	180.6	172.1	155.1	140.2	129.6	119.0	112.6	108.4	106.2	104.1	104.1
12.5°	210.4	199.7	174.2	155.1	136.0	125.4	116.9	112.6	110.5	110.5	110.5
15°	252.9	235.9	204.0	172.1	150.9	131.7	127.5	127.5	129.6	129.6	129.6
17.5°	308.1	282.6	233.7	193.4	165.7	148.7	142.4	144.5	148.7	148.7	148.7
20°	367.6	337.9	272.0	221.0	184.9	170.0	161.5	165.7	172.1	176.4	176.4
22.5°	450.5	408.0	318.7	250.7	208.2	189.1	184.9	189.1	199.7	204.0	204.0
25°	546.1	482.4	367.6	282.6	233.7	212.5	208.2	214.6	227.4	238.0	238.0
27.5°	646.0	565.2	420.7	314.5	257.1	231.6	229.5	240.1	257.1	267.7	269.9
30°	760.7	650.2	469.6	346.4	280.5	250.7	250.7	267.7	286.9	301.7	303.9
32.5°	873.4	739.5	512.1	374.0	301.7	267.7	269.9	291.1	316.6	329.4	333.6
35°	988.1	816.0	550.4	397.4	316.6	282.6	286.9	314.5	340.0	354.9	354.9
37.5°	1098.6	886.1	569.5	410.1	329.4	293.2	301.7	333.6	359.1	371.9	374.0
40°	1204.9	939.2	582.2	418.6	337.9	303.9	312.4	346.4	374.0	386.7	386.7
42.5°	1298.4	983.9	584.4	420.7	344.2	310.2	323.0	357.0	382.5	391.0	393.1
45°	1394.0	1022.1	573.7	416.5	348.5	316.6	327.2	363.4	386.7	393.1	395.2
47.5°	1481.1	1054.0	561.0	412.2	350.6	318.7	331.5	367.6	388.9	391.0	393.1
50°	1583.1	1079.5	541.9	405.9	352.7	320.9	333.6	367.6	388.9	388.9	388.9
52.5°	1680.9	1100.7	522.7	399.5	352.7	320.9	333.6	369.7	388.9	386.7	386.7
55°	1787.1	1119.9	503.6	395.2	350.6	320.9	333.6	369.7	386.7	384.6	386.7
57.5°	1870.0	1128.4	488.7	391.0	350.6	318.7	331.5	367.6	384.6	384.6	384.6
60°	1942.2	1126.2	469.6	386.7	348.5	316.6	331.5	365.5	384.6	384.6	384.6
62.5°	1984.7	1107.1	450.5	382.5	344.2	312.4	329.4	365.5	384.6	386.7	386.7
65°	1967.7	1073.1	425.0	371.9	335.7	308.1	327.2	361.2	382.5	388.9	391.0
67.5°	1895.5	996.6	397.4	357.0	327.2	303.9	325.1	357.0	378.2	388.9	388.9
70°	1744.6	901.0	361.2	335.7	312.4	297.5	318.7	350.6	369.7	382.5	382.5
72.5°	1534.2	777.7	327.2	308.1	295.4	286.9	312.4	340.0	357.0	367.6	367.6
75°	1275.0	646.0	286.9	276.2	274.1	272.0	299.6	325.1	335.7	344.2	344.2
77.5°	996.6	520.6	244.4	244.4	244.4	252.9	282.6	299.6	308.1	316.6	316.6
80°	728.9	397.4	206.1	208.2	214.6	231.6	257.1	269.9	274.1	282.6	278.4
82.5°	497.2	289.0	172.1	172.1	184.9	204.0	229.5	235.9	238.0	244.4	238.0
85°	327.2	208.2	142.4	142.4	155.1	174.2	193.4	197.6	197.6	201.9	195.5
87.5°	212.5	153.0	116.9	116.9	125.4	144.5	159.4	159.4	159.4	163.6	157.2
90°	150.9	116.9	97.7	95.6	102.0	116.9	127.5	125.4	125.4	127.5	123.2
92.5°	110.5	95.6	82.9	80.7	85.0	95.6	102.0	99.9	102.0	99.9	97.7
95°	87.1	78.6	72.2	70.1	72.2	78.6	82.9	80.7	80.7	78.6	76.5
97.5°	70.1	65.9	63.7	61.6	61.6	63.7	68.0	65.9	68.0	63.7	61.6
100°	57.4	55.2	55.2	55.2	53.1	55.2	57.4	57.4	57.4	53.1	53.1
102.5°	44.6	46.7	48.9	48.9	46.7	48.9	48.9	48.9	48.9	44.6	44.6
105°	36.1	38.2	42.5	42.5	42.5	42.5	42.5	42.5	42.5	38.2	38.2
107.5°	29.7	31.9	36.1	38.2	36.1	36.1	38.2	38.2	36.1	34.0	34.0
110°	25.5	27.6	29.7	31.9	31.9	31.9	34.0	34.0	31.9	29.7	27.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.2	23.4	27.6	27.6	29.7	29.7	29.7	29.7	27.6	25.5	25.5
115°	19.1	21.2	23.4	25.5	25.5	25.5	27.6	25.5	23.4	23.4	23.4
117.5°	17.0	19.1	21.2	23.4	23.4	23.4	23.4	23.4	21.2	21.2	21.2
120°	14.9	17.0	19.1	21.2	21.2	21.2	21.2	21.2	19.1	19.1	19.1
122.5°	14.9	14.9	17.0	19.1	19.1	19.1	19.1	19.1	17.0	17.0	17.0
125°	12.7	14.9	17.0	17.0	17.0	17.0	17.0	17.0	14.9	14.9	17.0
127.5°	12.7	12.7	14.9	14.9	17.0	17.0	14.9	14.9	14.9	14.9	14.9
130°	12.7	12.7	12.7	14.9	14.9	14.9	14.9	12.7	12.7	12.7	12.7
132.5°	10.6	12.7	12.7	12.7	12.7	12.7	12.7	10.6	10.6	12.7	12.7
135°	10.6	10.6	10.6	12.7	12.7	10.6	10.6	10.6	10.6	10.6	10.6
137.5°	10.6	10.6	10.6	10.6	10.6	10.6	8.5	8.5	8.5	10.6	10.6
140°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
142.5°	8.5	8.5	8.5	8.5	8.5	6.4	6.4	6.4	8.5	8.5	8.5
145°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
147.5°	6.4	6.4	6.4	6.4	4.2	4.2	4.2	4.2	6.4	6.4	6.4
150°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	6.4	4.2	4.2
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)