

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: P695128

Luminaire Tested: **LXF.LXT-PA16-40-740-U-SL3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-740-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4223 lumens
Efficiency: N/A
Efficacy: 105.0 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 - G3

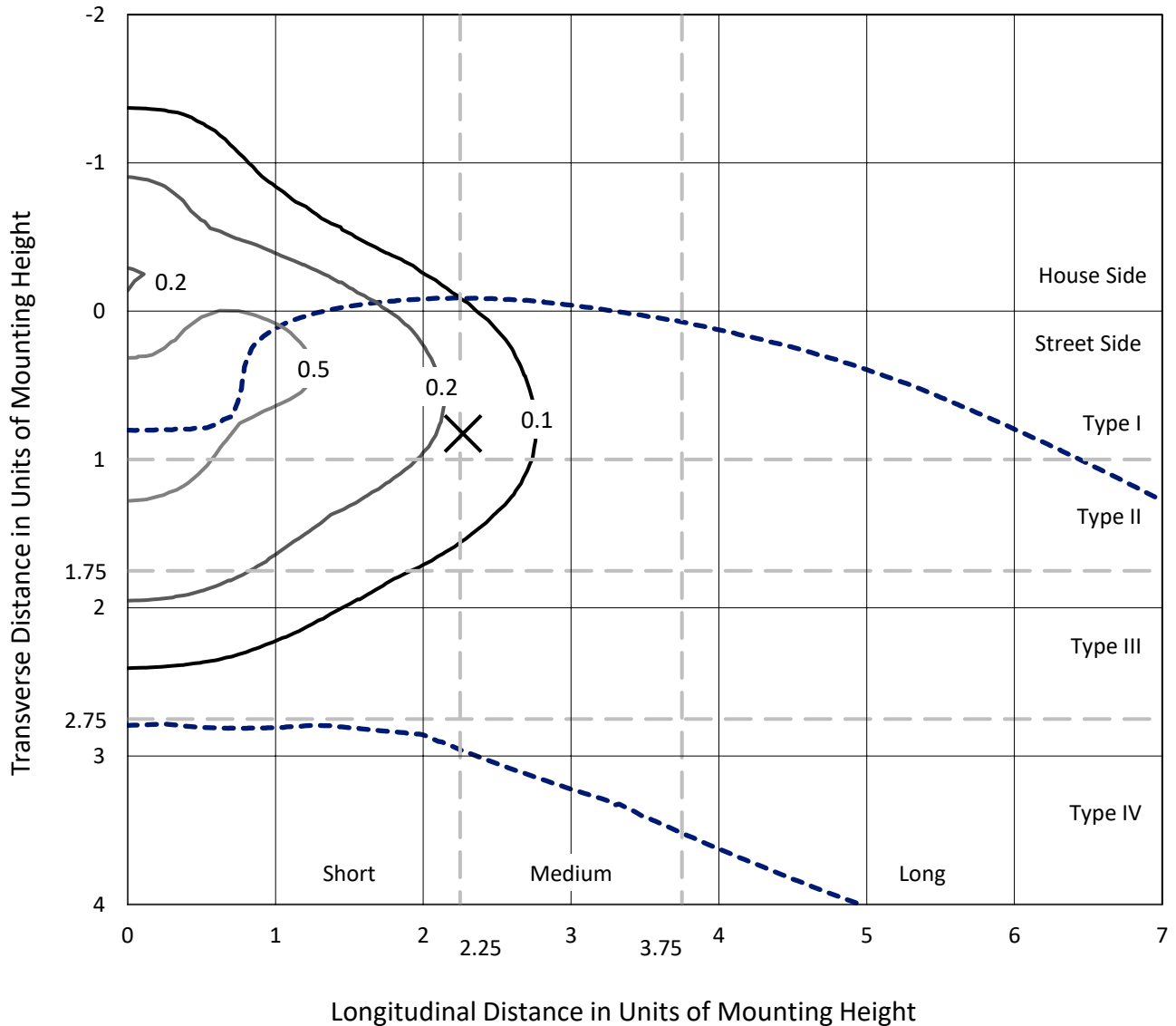
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

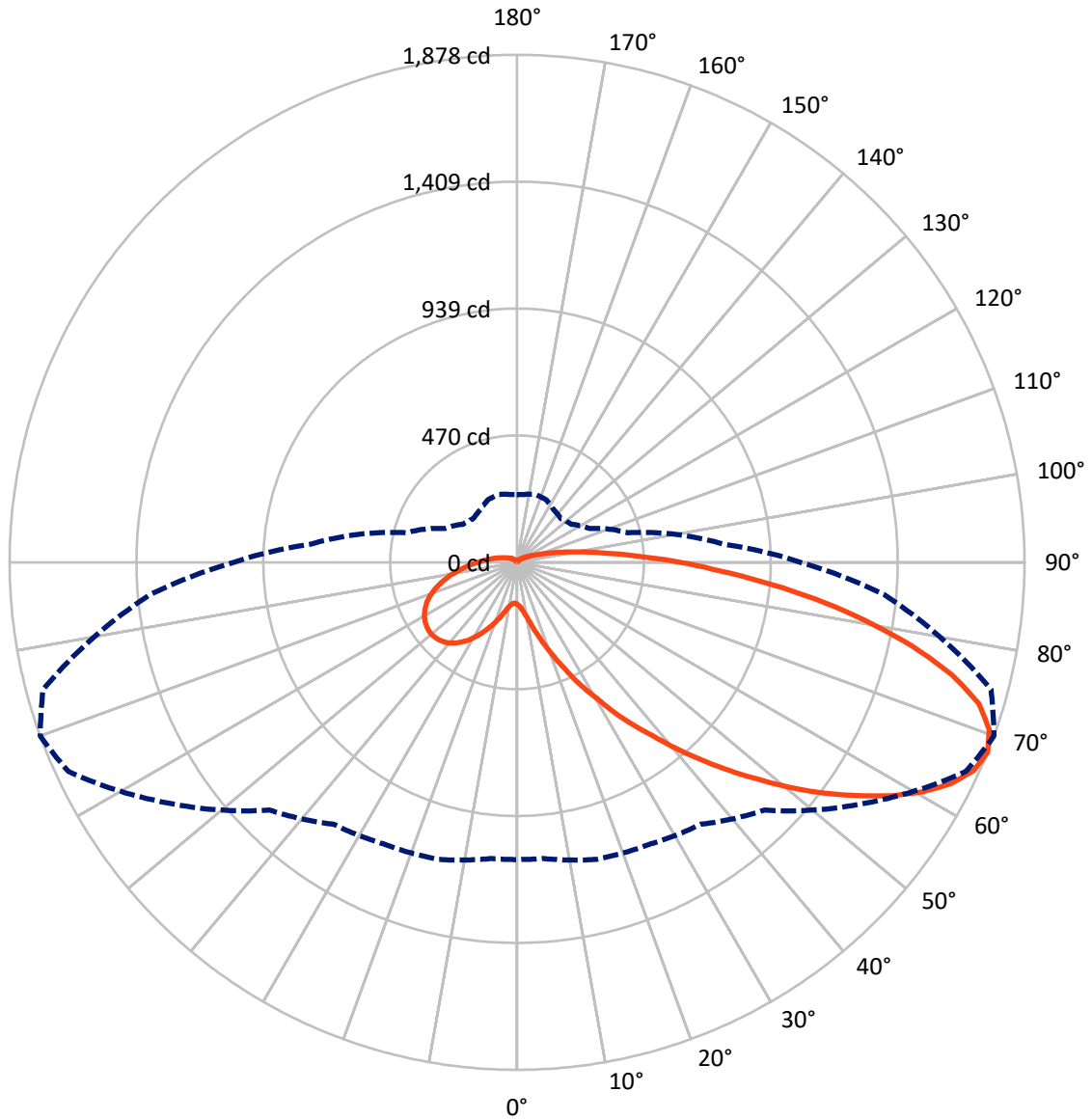
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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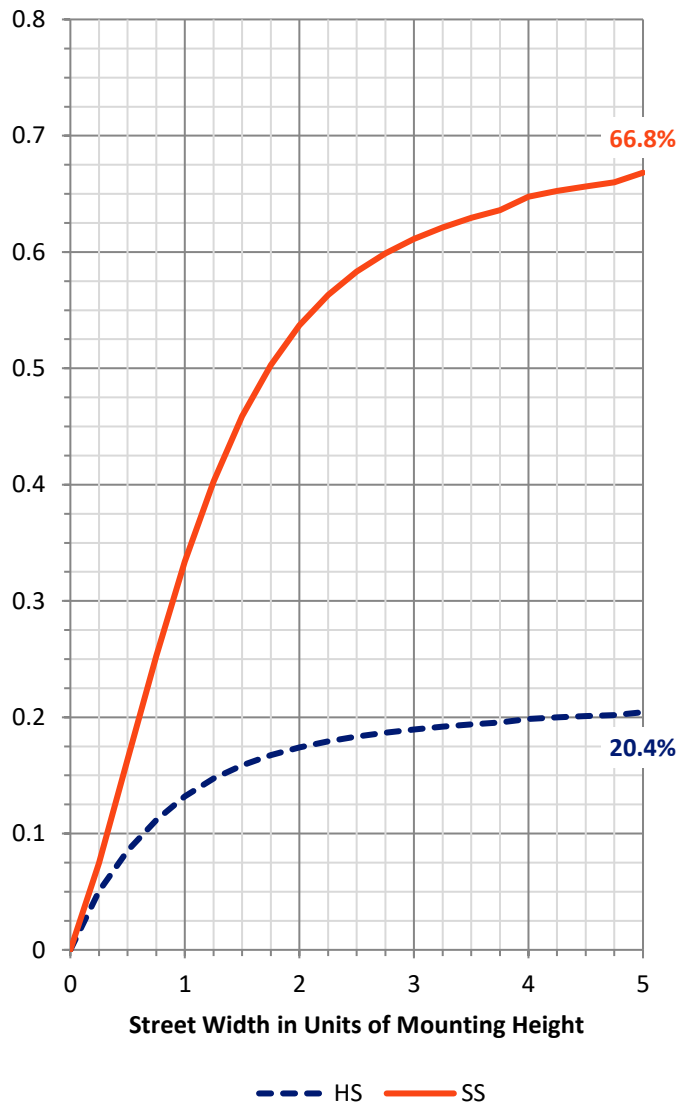
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	910.4	123.9	1034.3
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	2956.6	232.1	3188.7
	% Fixture	70.0	5.5	75.5
Total	Lumens	3867.0	356.0	4223.0
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	0.4
10°-20°	66.8	1.6
20°-30°	168.5	4.0
30°-40°	330.0	7.8
40°-50°	537.3	12.7
50°-60°	752.7	17.8
60°-70°	863.5	20.4
70°-80°	718.7	17.0
80°-90°	413.3	9.8
90°-100°	189.6	4.5
100°-110°	86.8	2.1
110°-120°	42.7	1.0
120°-130°	22.1	0.5
130°-140°	10.7	0.3
140°-150°	3.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3867.0	91.6
0°-180°	4223.0	100.0

Coefficient of Utilization



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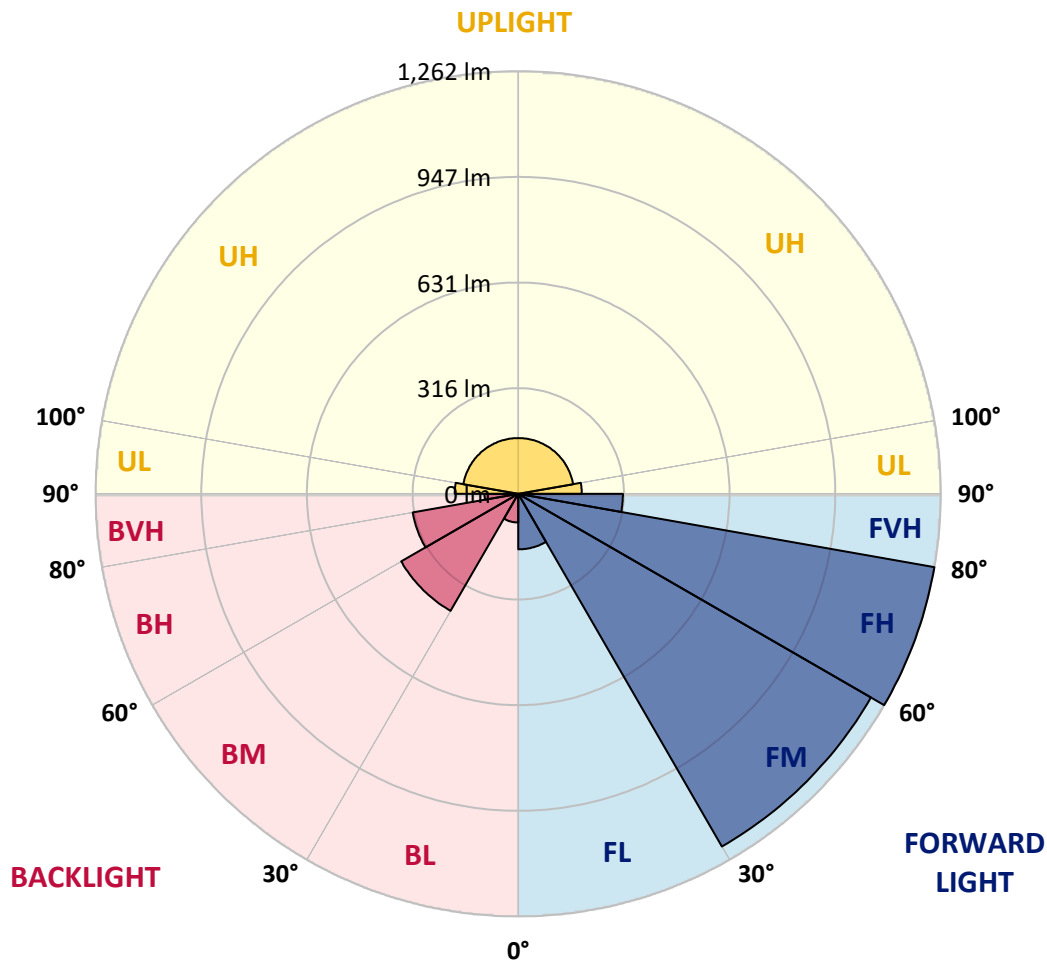
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	165.8	3.9			
FM (30°-60°)	1216.3	28.8			
FH (60°-80°)	1262.0	29.9			G1/1800
FVH (80°-90°)	312.5	7.4			G3/500
BL (0°-30°)	85.7	2.0	B0/110		
BM (30°-60°)	403.7	9.6	B1/1000		
BH (60°-80°)	320.1	7.6	B1/500		G1/500
BVH (80°-90°)	100.8	2.4			G2/225
UL (90°-100°)	189.6	4.5		U3/500	
UH (100°-180°)	166.4	3.9		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3
2.5°	170.0	170.0	170.0	168.4	168.4	165.1	165.1	161.8	161.8	160.2	156.9
5°	191.3	191.3	189.6	189.6	186.4	183.1	179.8	174.9	171.6	170.0	165.1
7.5°	215.8	215.8	214.2	210.9	209.2	204.3	197.8	191.3	188.0	184.7	176.6
10°	245.2	245.2	241.9	240.3	237.0	230.5	224.0	214.2	209.2	204.3	192.9
12.5°	279.5	276.3	276.3	271.4	266.5	261.6	253.4	241.9	237.0	230.5	215.8
15°	315.5	315.5	315.5	310.6	304.1	295.9	289.3	277.9	274.6	264.8	248.5
17.5°	358.0	361.3	356.4	349.8	346.6	338.4	330.2	322.0	313.9	304.1	282.8
20°	410.3	408.7	403.8	397.2	392.3	384.2	379.3	364.5	358.0	348.2	317.1
22.5°	461.0	462.6	457.7	447.9	441.4	436.5	428.3	416.9	407.0	395.6	361.3
25°	528.0	526.4	514.9	500.2	493.7	487.2	482.2	470.8	464.3	454.5	410.3
27.5°	595.0	588.5	580.3	567.3	550.9	539.5	536.2	531.3	526.4	510.0	461.0
30°	665.3	658.8	649.0	627.7	604.9	591.8	591.8	598.3	586.9	573.8	518.2
32.5°	740.5	732.4	719.3	693.1	662.1	647.4	653.9	665.3	663.7	644.1	575.4
35°	815.7	814.1	794.5	761.8	722.6	704.6	714.4	737.3	737.3	722.6	637.5
37.5°	889.3	890.9	872.9	832.1	781.4	761.8	776.5	814.1	814.1	802.7	698.0
40°	982.5	979.2	946.5	899.1	843.5	819.0	848.4	897.5	905.6	884.4	765.1
42.5°	1062.6	1056.0	1029.9	971.0	904.0	874.6	915.5	982.5	998.8	974.3	833.7
45°	1144.3	1136.1	1105.1	1039.7	964.5	930.2	987.4	1077.3	1098.5	1075.7	905.6
47.5°	1221.1	1213.0	1185.2	1106.7	1028.2	997.2	1060.9	1173.7	1199.9	1180.3	975.9
50°	1291.4	1289.8	1255.5	1173.7	1083.8	1054.4	1137.8	1275.1	1309.4	1280.0	1047.9
52.5°	1351.9	1345.4	1312.7	1234.2	1139.4	1116.5	1216.2	1381.4	1419.0	1389.5	1119.8
55°	1389.5	1386.3	1356.8	1280.0	1190.1	1173.7	1294.7	1477.8	1523.6	1497.4	1186.8
57.5°	1407.5	1402.6	1378.1	1309.4	1227.7	1226.1	1366.6	1577.5	1629.8	1595.5	1255.5
60°	1389.5	1386.3	1369.9	1317.6	1252.2	1266.9	1441.8	1669.1	1724.6	1687.0	1309.4
62.5°	1329.0	1329.0	1327.4	1296.3	1257.1	1301.2	1500.7	1747.5	1803.1	1757.3	1348.7
65°	1234.2	1239.1	1248.9	1242.4	1235.9	1312.7	1539.9	1806.4	1857.1	1803.1	1369.9
67.5°	1100.2	1100.2	1137.8	1152.5	1183.5	1296.3	1557.9	1832.5	1878.3	1816.2	1361.7
70°	951.4	951.4	993.9	1036.4	1105.1	1253.8	1538.3	1817.8	1853.8	1785.1	1325.8
72.5°	796.1	797.8	848.4	907.3	1002.1	1180.3	1486.0	1754.1	1786.8	1705.0	1253.8
75°	644.1	657.2	699.7	776.5	886.0	1082.2	1387.9	1642.9	1662.5	1584.1	1152.5
77.5°	510.0	526.4	577.1	652.3	766.7	958.0	1255.5	1494.1	1497.4	1422.2	1029.9
80°	403.8	415.2	467.5	537.8	649.0	832.1	1098.5	1309.4	1306.2	1232.6	882.8
82.5°	318.8	326.9	367.8	436.5	542.7	712.7	943.2	1098.5	1110.0	1038.1	740.5
85°	245.2	255.0	292.6	353.1	447.9	593.4	779.8	900.7	905.6	841.9	609.8
87.5°	188.0	197.8	232.1	289.3	369.5	487.2	635.9	730.7	722.6	671.9	482.2
90°	145.5	150.4	184.7	232.1	302.4	402.1	511.7	573.8	573.8	524.8	385.8
92.5°	116.1	117.7	148.8	191.3	250.1	326.9	412.0	451.2	439.7	412.0	304.1
95°	91.5	94.8	119.3	156.9	206.0	268.1	325.3	353.1	343.3	317.1	238.7
97.5°	73.6	76.8	98.1	130.8	171.6	219.1	261.6	274.6	269.7	251.7	189.6
100°	60.5	62.1	80.1	111.2	143.9	181.5	209.2	217.4	207.6	196.2	148.8
102.5°	50.7	52.3	68.7	93.2	122.6	148.8	170.0	173.3	165.1	152.0	119.3
105°	42.5	44.1	57.2	80.1	103.0	125.9	139.0	137.3	129.1	119.3	96.4
107.5°	37.6	37.6	49.0	68.7	89.9	104.6	114.4	111.2	103.0	93.2	78.5
110°	32.7	32.7	40.9	58.9	76.8	89.9	94.8	89.9	81.7	75.2	63.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	29.4	29.4	36.0	50.7	65.4	76.8	78.5	71.9	67.0	62.1	52.3
115°	26.2	27.8	31.1	42.5	55.6	65.4	65.4	60.5	55.6	50.7	45.8
117.5°	24.5	24.5	27.8	37.6	49.0	55.6	55.6	50.7	45.8	42.5	39.2
120°	22.9	22.9	26.2	32.7	42.5	47.4	47.4	42.5	39.2	36.0	34.3
122.5°	21.3	21.3	22.9	27.8	36.0	40.9	40.9	36.0	32.7	31.1	29.4
125°	19.6	19.6	21.3	24.5	31.1	34.3	34.3	29.4	27.8	26.2	26.2
127.5°	18.0	18.0	19.6	21.3	26.2	29.4	27.8	24.5	22.9	22.9	22.9
130°	16.3	16.3	18.0	19.6	22.9	24.5	22.9	21.3	19.6	19.6	19.6
132.5°	16.3	16.3	16.3	16.3	18.0	19.6	19.6	18.0	16.3	18.0	18.0
135°	14.7	14.7	14.7	14.7	14.7	16.3	14.7	14.7	14.7	14.7	14.7
137.5°	13.1	13.1	13.1	13.1	13.1	13.1	11.4	11.4	11.4	13.1	13.1
140°	11.4	11.4	11.4	9.8	9.8	9.8	9.8	9.8	9.8	9.8	11.4
142.5°	9.8	9.8	9.8	8.2	8.2	6.5	6.5	6.5	8.2	8.2	9.8
145°	8.2	8.2	8.2	6.5	4.9	4.9	4.9	4.9	6.5	6.5	6.5
147.5°	6.5	6.5	6.5	4.9	3.3	3.3	3.3	3.3	4.9	4.9	4.9
150°	4.9	4.9	4.9	3.3	3.3	1.6	1.6	3.3	3.3	3.3	3.3
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3
2.5°	156.9	155.3	153.7	150.4	148.8	148.8	148.8	147.1	147.1	145.5	145.5
5°	161.8	160.2	153.7	148.8	145.5	142.2	139.0	137.3	135.7	134.0	134.0
7.5°	171.6	168.4	160.2	152.0	145.5	139.0	134.0	130.8	129.1	127.5	127.5
10°	186.4	181.5	168.4	156.9	147.1	139.0	132.4	129.1	125.9	124.2	124.2
12.5°	207.6	201.1	183.1	166.7	153.7	142.2	135.7	130.8	127.5	125.9	125.9
15°	237.0	225.6	202.7	181.5	163.5	148.8	140.6	137.3	135.7	135.7	135.7
17.5°	268.1	251.7	225.6	197.8	176.6	160.2	152.0	148.8	147.1	147.1	147.1
20°	302.4	284.4	248.5	215.8	189.6	174.9	165.1	161.8	160.2	160.2	160.2
22.5°	340.0	320.4	273.0	232.1	206.0	189.6	179.8	174.9	176.6	176.6	176.6
25°	382.5	354.7	299.2	251.7	220.7	204.3	194.5	189.6	192.9	194.5	194.5
27.5°	429.9	392.3	323.7	269.7	237.0	217.4	209.2	206.0	210.9	212.5	214.2
30°	475.7	433.2	348.2	289.3	250.1	230.5	222.3	224.0	227.2	230.5	233.8
32.5°	526.4	470.8	374.4	305.7	263.2	240.3	235.4	240.3	246.8	250.1	251.7
35°	575.4	510.0	394.0	320.4	273.0	250.1	246.8	255.0	263.2	269.7	269.7
37.5°	624.5	546.0	415.2	331.9	281.2	256.7	256.7	268.1	277.9	286.1	286.1
40°	675.1	585.2	433.2	341.7	287.7	263.2	264.8	279.5	292.6	297.5	299.2
42.5°	727.5	617.9	447.9	348.2	291.0	268.1	271.4	289.3	302.4	307.3	309.0
45°	778.1	652.3	459.4	351.5	294.3	269.7	274.6	295.9	309.0	313.9	313.9
47.5°	825.5	681.7	467.5	353.1	294.3	269.7	277.9	299.2	313.9	315.5	315.5
50°	876.2	711.1	474.1	353.1	292.6	269.7	277.9	300.8	313.9	313.9	313.9
52.5°	925.3	737.3	477.3	349.8	289.3	268.1	276.3	299.2	312.2	309.0	309.0
55°	971.0	758.5	475.7	344.9	284.4	263.2	273.0	295.9	307.3	302.4	302.4
57.5°	1008.6	776.5	472.4	338.4	279.5	258.3	268.1	291.0	300.8	294.3	292.6
60°	1041.3	787.9	465.9	330.2	271.4	251.7	263.2	284.4	292.6	284.4	282.8
62.5°	1059.3	792.8	456.1	318.8	264.8	245.2	255.0	276.3	282.8	273.0	273.0
65°	1065.8	786.3	441.4	307.3	255.0	238.7	246.8	266.5	271.4	263.2	261.6
67.5°	1049.5	768.3	423.4	295.9	245.2	228.9	237.0	255.0	259.9	251.7	250.1
70°	1015.2	734.0	400.5	279.5	233.8	219.1	225.6	240.3	246.8	240.3	238.7
72.5°	951.4	691.5	374.4	263.2	220.7	207.6	214.2	227.2	233.8	227.2	225.6
75°	876.2	635.9	344.9	245.2	207.6	196.2	201.1	210.9	217.4	214.2	210.9
77.5°	776.5	568.9	313.9	227.2	194.5	183.1	186.4	196.2	201.1	197.8	197.8
80°	671.9	495.3	282.8	207.6	181.5	171.6	171.6	179.8	184.7	183.1	179.8
82.5°	570.5	423.4	250.1	188.0	165.1	156.9	158.6	161.8	168.4	165.1	163.5
85°	469.2	359.6	219.1	170.0	150.4	143.9	143.9	145.5	150.4	148.8	147.1
87.5°	384.2	295.9	191.3	150.4	135.7	130.8	127.5	130.8	130.8	130.8	127.5
90°	312.2	245.2	165.1	134.0	124.2	117.7	114.4	114.4	114.4	112.8	111.2
92.5°	248.5	202.7	143.9	119.3	111.2	106.3	103.0	101.4	99.7	96.4	96.4
95°	204.3	166.7	124.2	104.6	99.7	94.8	91.5	89.9	86.6	83.4	81.7
97.5°	161.8	139.0	106.3	93.2	88.3	85.0	81.7	78.5	73.6	70.3	68.7
100°	129.1	112.8	91.5	81.7	78.5	75.2	71.9	68.7	63.8	58.9	57.2
102.5°	106.3	94.8	78.5	73.6	70.3	67.0	65.4	60.5	53.9	49.0	49.0
105°	86.6	78.5	68.7	63.8	62.1	60.5	57.2	52.3	45.8	40.9	40.9
107.5°	71.9	67.0	58.9	57.2	55.6	53.9	50.7	45.8	39.2	34.3	34.3
110°	60.5	55.6	50.7	49.0	49.0	47.4	45.8	39.2	34.3	29.4	29.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	50.7	47.4	45.8	44.1	44.1	42.5	40.9	34.3	29.4	26.2	26.2
115°	42.5	40.9	39.2	39.2	39.2	37.6	36.0	31.1	24.5	22.9	22.9
117.5°	37.6	36.0	34.3	34.3	34.3	34.3	31.1	26.2	21.3	19.6	19.6
120°	32.7	32.7	31.1	31.1	31.1	29.4	27.8	22.9	18.0	18.0	18.0
122.5°	29.4	27.8	27.8	27.8	27.8	26.2	22.9	19.6	16.3	16.3	16.3
125°	26.2	24.5	24.5	24.5	24.5	22.9	19.6	16.3	14.7	14.7	14.7
127.5°	22.9	22.9	21.3	21.3	21.3	19.6	18.0	14.7	13.1	13.1	13.1
130°	19.6	19.6	19.6	19.6	18.0	16.3	14.7	13.1	11.4	11.4	11.4
132.5°	18.0	18.0	16.3	16.3	16.3	14.7	13.1	11.4	9.8	11.4	11.4
135°	14.7	14.7	14.7	14.7	13.1	11.4	11.4	9.8	9.8	9.8	9.8
137.5°	13.1	13.1	13.1	11.4	11.4	9.8	9.8	8.2	8.2	8.2	9.8
140°	11.4	11.4	9.8	9.8	8.2	8.2	8.2	6.5	8.2	8.2	8.2
142.5°	9.8	9.8	8.2	8.2	6.5	6.5	6.5	6.5	6.5	6.5	6.5
145°	6.5	6.5	6.5	6.5	4.9	4.9	4.9	4.9	6.5	6.5	6.5
147.5°	4.9	4.9	4.9	4.9	3.3	3.3	3.3	4.9	4.9	4.9	4.9
150°	3.3	3.3	3.3	3.3	1.6	1.6	3.3	3.3	4.9	4.9	4.9
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)