

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: P694903

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-750-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3496 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G2

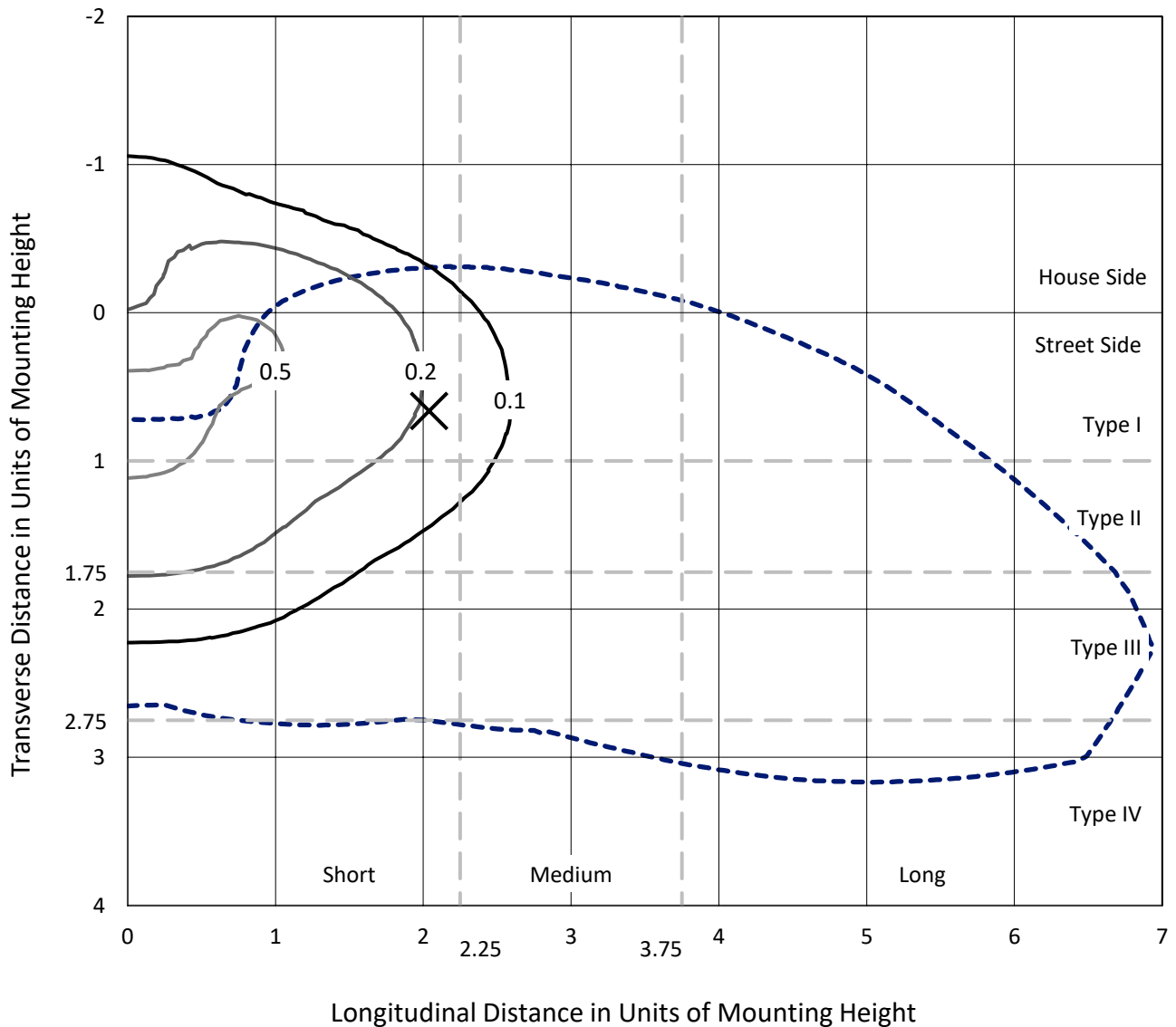
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

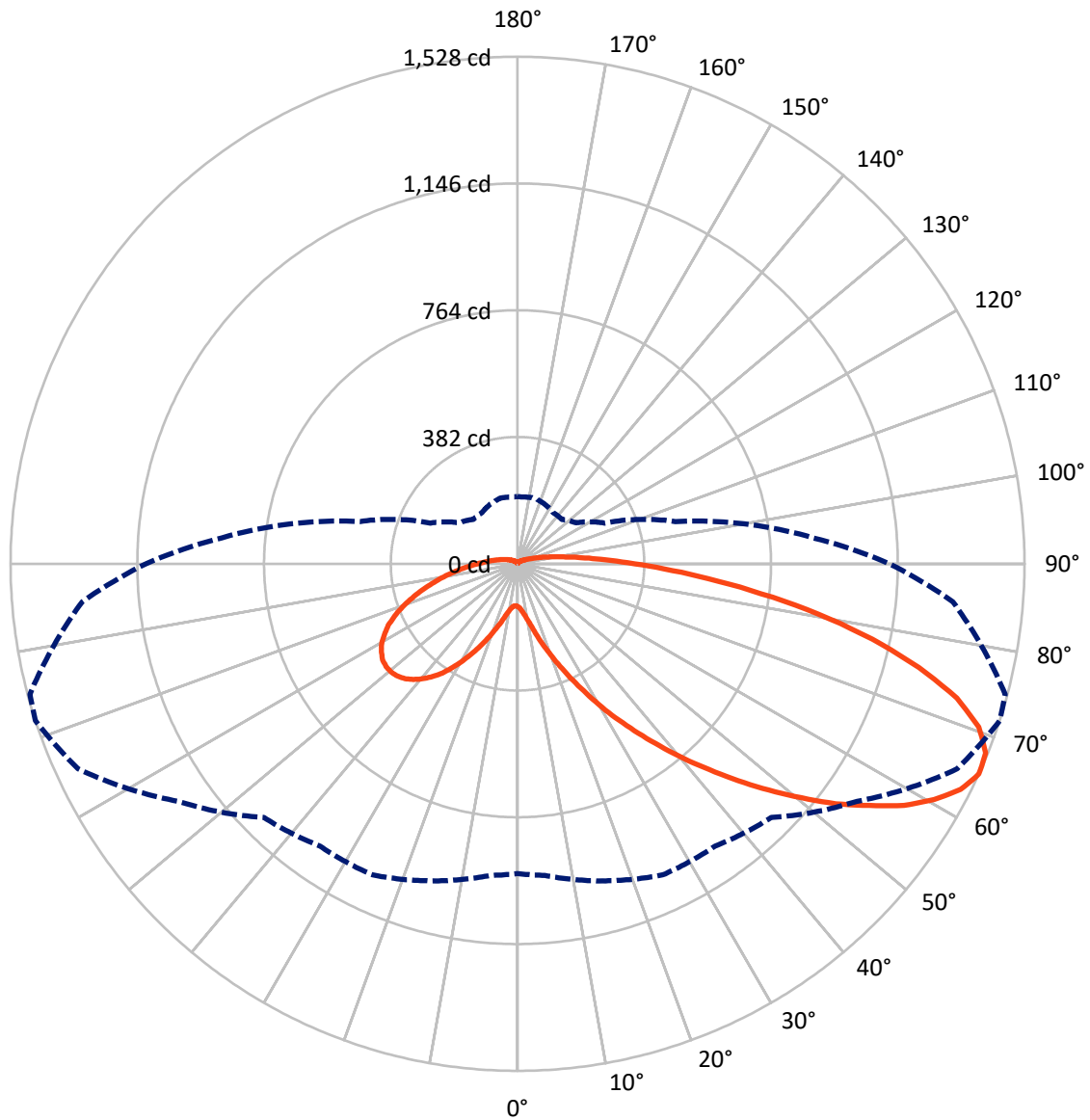
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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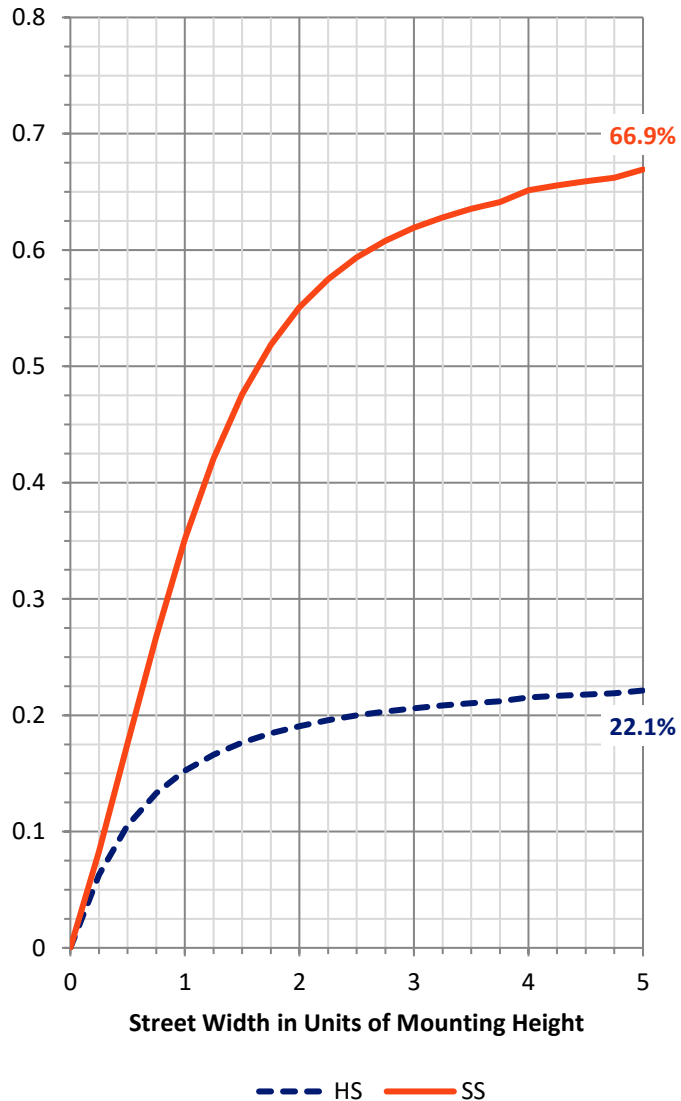
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	817.0	103.3	920.3
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	2429.5	146.2	2575.7
	% Fixture	69.5	4.2	73.7
Total	Lumens	3246.4	249.6	3496.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	0.4
10°-20°	56.9	1.6
20°-30°	146.4	4.2
30°-40°	291.3	8.3
40°-50°	474.2	13.6
50°-60°	656.4	18.8
60°-70°	733.3	21.0
70°-80°	574.1	16.4
80°-90°	300.3	8.6
90°-100°	130.6	3.7
100°-110°	60.2	1.7
110°-120°	30.7	0.9
120°-130°	16.4	0.5
130°-140°	8.3	0.2
140°-150°	3.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3246.4	92.9
0°-180°	3496.0	100.0

Coefficient of Utilization



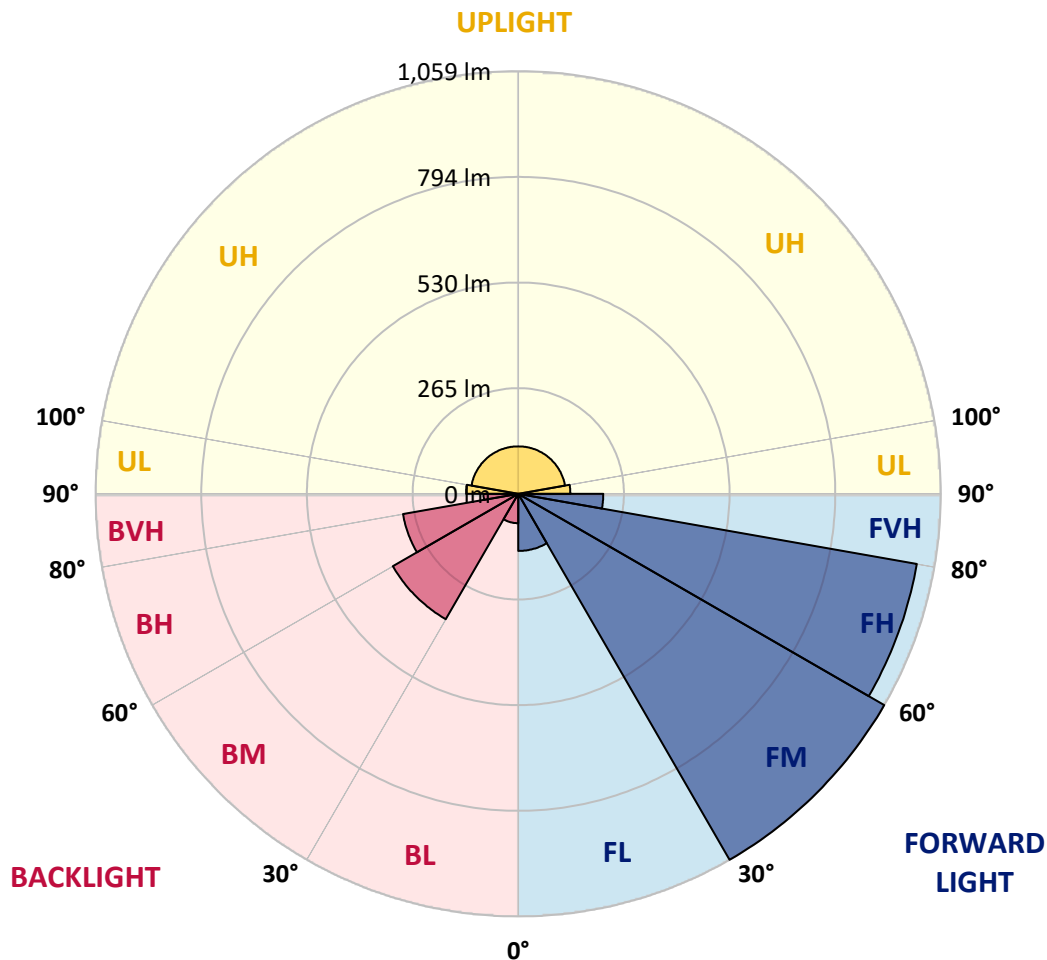
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	143.1	4.1			
FM (30°-60°)	1059.0	30.3			
FH (60°-80°)	1014.2	29.0			G1/1800
FVH (80°-90°)	213.1	6.1			G2/225
BL (0°-30°)	73.7	2.1	B0/110		
BM (30°-60°)	362.9	10.4	B1/1000		
BH (60°-80°)	293.2	8.4	B1/500		G1/500
BVH (80°-90°)	87.2	2.5			G1/100
UL (90°-100°)	130.6	3.7		U3/500	
UH (100°-180°)	118.9	3.4		U3/500	

BUG Rating: B1-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5
2.5°	139.8	141.1	141.1	139.8	139.8	138.5	137.2	134.6	133.3	133.3	130.7
5°	157.9	159.2	157.9	156.6	155.3	151.5	150.2	146.3	143.7	142.4	137.2
7.5°	181.2	181.2	179.9	177.3	174.8	172.2	165.7	160.5	156.6	154.0	147.6
10°	205.8	205.8	204.5	203.2	199.4	192.9	186.4	179.9	173.5	172.2	163.1
12.5°	239.5	236.9	234.3	230.4	226.5	220.1	211.0	203.2	196.8	195.5	185.1
15°	273.1	274.4	269.3	262.8	257.6	249.8	242.1	235.6	227.8	225.2	211.0
17.5°	312.0	313.3	309.4	304.2	295.1	287.4	277.0	268.0	262.8	257.6	240.8
20°	359.9	359.9	356.0	345.6	336.6	327.5	318.4	308.1	299.0	295.1	277.0
22.5°	410.4	409.1	403.9	390.9	379.3	367.6	359.9	349.5	343.0	337.9	317.2
25°	471.2	467.3	459.6	444.0	428.5	414.2	402.6	398.7	389.6	384.5	365.1
27.5°	530.7	533.3	520.4	499.7	477.7	463.4	453.1	447.9	441.4	438.8	414.2
30°	604.5	599.4	585.1	559.2	528.2	508.7	503.6	502.3	502.3	497.1	471.2
32.5°	673.1	668.0	652.4	621.4	583.8	559.2	555.3	559.2	561.8	560.5	528.2
35°	743.0	737.9	719.7	686.1	635.6	607.1	607.1	622.7	626.5	624.0	591.6
37.5°	809.1	806.5	788.4	743.0	695.2	660.2	665.4	690.0	696.4	695.2	653.7
40°	872.5	872.5	854.4	805.2	746.9	712.0	721.0	758.6	771.5	770.2	724.9
42.5°	937.2	934.6	917.8	869.9	802.6	763.8	780.6	827.2	847.9	850.5	796.1
45°	992.9	990.3	977.4	924.3	857.0	816.8	841.4	904.9	932.0	930.8	866.0
47.5°	1040.8	1039.5	1030.4	981.2	910.0	872.5	907.5	985.1	1018.8	1018.8	945.0
50°	1079.6	1080.9	1074.4	1034.3	959.2	925.6	973.5	1066.7	1108.1	1108.1	1020.1
52.5°	1104.2	1106.8	1109.4	1071.9	1005.8	974.8	1036.9	1152.1	1201.3	1200.0	1096.4
55°	1112.0	1114.6	1127.5	1104.2	1043.4	1020.1	1100.3	1235.0	1285.4	1281.6	1166.4
57.5°	1099.0	1104.2	1126.2	1118.5	1069.3	1056.3	1153.4	1306.2	1373.5	1369.6	1231.1
60°	1066.7	1073.1	1104.2	1113.3	1079.6	1080.9	1202.6	1377.4	1442.1	1439.5	1281.6
62.5°	1009.7	1020.1	1060.2	1084.8	1070.6	1091.3	1235.0	1431.7	1497.7	1493.9	1311.3
65°	933.3	942.4	989.0	1034.3	1038.2	1080.9	1247.9	1461.5	1527.5	1521.0	1316.5
67.5°	842.7	838.8	898.4	956.6	979.9	1043.4	1231.1	1457.6	1521.0	1509.4	1284.2
70°	731.4	731.4	792.2	850.5	899.7	985.1	1184.5	1416.2	1474.4	1457.6	1222.0
72.5°	600.7	614.9	668.0	736.6	797.4	901.0	1112.0	1334.6	1383.8	1364.4	1117.2
75°	491.9	503.6	550.2	618.8	688.7	803.9	1004.5	1216.8	1249.2	1229.8	989.0
77.5°	394.8	400.0	450.5	508.7	581.2	686.1	876.4	1069.3	1092.6	1071.9	844.0
80°	304.2	317.2	352.1	407.8	477.7	579.9	743.0	897.1	919.1	895.8	690.0
82.5°	239.5	243.4	275.7	328.8	388.4	475.1	611.0	728.8	739.2	712.0	556.6
85°	185.1	187.7	214.9	260.2	312.0	381.9	488.0	573.5	576.1	560.5	435.0
87.5°	141.1	146.3	170.9	207.1	251.1	312.0	384.5	444.0	440.1	428.5	339.2
90°	111.3	113.9	132.0	164.4	200.6	246.0	300.3	339.2	331.4	326.2	256.3
92.5°	88.0	89.3	108.7	133.3	163.1	199.4	235.6	261.5	251.1	247.3	195.5
95°	69.9	72.5	86.7	108.7	133.3	160.5	185.1	198.1	191.6	185.1	151.5
97.5°	57.0	58.3	71.2	89.3	110.0	130.7	147.6	152.8	146.3	143.7	117.8
100°	47.9	47.9	59.5	75.1	90.6	107.4	117.8	120.4	115.2	108.7	90.6
102.5°	40.1	40.1	49.2	63.4	77.7	89.3	95.8	95.8	89.3	85.4	72.5
105°	33.7	35.0	41.4	54.4	66.0	75.1	80.3	76.4	71.2	68.6	58.3
107.5°	29.8	29.8	36.2	46.6	57.0	63.4	66.0	62.1	57.0	53.1	46.6
110°	27.2	27.2	31.1	40.1	49.2	55.7	55.7	51.8	45.3	42.7	38.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	23.3	24.6	27.2	35.0	42.7	47.9	47.9	42.7	37.5	35.0	32.4
115°	22.0	22.0	24.6	31.1	37.5	41.4	41.4	36.2	31.1	29.8	27.2
117.5°	19.4	19.4	22.0	27.2	32.4	36.2	35.0	31.1	25.9	24.6	23.3
120°	18.1	18.1	19.4	23.3	28.5	31.1	29.8	25.9	22.0	20.7	20.7
122.5°	16.8	16.8	18.1	20.7	25.9	27.2	25.9	22.0	19.4	18.1	19.4
125°	15.5	15.5	16.8	19.4	22.0	23.3	22.0	18.1	16.8	16.8	16.8
127.5°	15.5	15.5	15.5	16.8	19.4	20.7	19.4	15.5	14.2	14.2	15.5
130°	14.2	14.2	14.2	15.5	16.8	18.1	15.5	12.9	12.9	12.9	12.9
132.5°	12.9	12.9	12.9	12.9	14.2	14.2	12.9	11.7	11.7	11.7	11.7
135°	11.7	11.7	11.7	11.7	11.7	11.7	10.4	9.1	10.4	10.4	10.4
137.5°	10.4	10.4	10.4	10.4	10.4	9.1	9.1	7.8	9.1	9.1	9.1
140°	9.1	9.1	9.1	9.1	7.8	7.8	6.5	6.5	6.5	7.8	7.8
142.5°	7.8	7.8	7.8	7.8	6.5	5.2	5.2	5.2	6.5	6.5	6.5
145°	6.5	6.5	6.5	5.2	5.2	3.9	3.9	3.9	5.2	5.2	5.2
147.5°	5.2	5.2	5.2	3.9	3.9	2.6	2.6	2.6	3.9	3.9	3.9
150°	3.9	3.9	3.9	2.6	2.6	1.3	1.3	2.6	2.6	2.6	2.6
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°	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5
2.5°	129.5	129.5	126.9	125.6	124.3	123.0	121.7	120.4	120.4	120.4	120.4
5°	135.9	132.0	128.2	124.3	120.4	117.8	113.9	112.6	111.3	110.0	110.0
7.5°	143.7	141.1	133.3	126.9	120.4	115.2	111.3	107.4	104.9	103.6	103.6
10°	157.9	152.8	143.7	133.3	124.3	116.5	110.0	104.9	102.3	101.0	101.0
12.5°	178.6	170.9	157.9	143.7	130.7	120.4	112.6	106.1	102.3	102.3	101.0
15°	203.2	194.2	177.3	159.2	141.1	126.9	117.8	112.6	108.7	107.4	107.4
17.5°	231.7	222.7	200.6	176.1	156.6	138.5	126.9	120.4	116.5	113.9	113.9
20°	266.7	253.7	225.2	196.8	170.9	154.0	137.2	129.5	124.3	121.7	120.4
22.5°	304.2	290.0	255.0	218.8	189.0	167.0	148.9	137.2	130.7	129.5	128.2
25°	349.5	328.8	286.1	242.1	207.1	179.9	159.2	145.0	139.8	137.2	137.2
27.5°	397.4	372.8	319.7	266.7	224.0	190.3	167.0	152.8	147.6	146.3	145.0
30°	447.9	419.4	354.7	293.9	239.5	200.6	176.1	161.8	155.3	154.0	154.0
32.5°	503.6	469.9	389.6	314.6	251.1	207.1	181.2	168.3	161.8	161.8	161.8
35°	557.9	519.1	425.9	336.6	261.5	212.3	186.4	174.8	168.3	169.6	169.6
37.5°	616.2	573.5	457.0	352.1	269.3	216.2	189.0	179.9	176.1	176.1	176.1
40°	679.6	618.8	485.4	363.8	271.8	217.5	191.6	183.8	181.2	181.2	182.5
42.5°	740.5	671.9	510.0	372.8	273.1	217.5	192.9	187.7	186.4	186.4	186.4
45°	801.3	718.5	532.0	375.4	271.8	216.2	194.2	190.3	190.3	190.3	190.3
47.5°	867.3	765.1	547.6	374.1	268.0	213.6	194.2	191.6	194.2	192.9	192.9
50°	925.6	809.1	557.9	370.2	262.8	211.0	192.9	194.2	196.8	195.5	195.5
52.5°	986.4	847.9	563.1	361.2	255.0	207.1	192.9	195.5	198.1	196.8	196.8
55°	1040.8	881.6	563.1	350.8	248.5	204.5	192.9	196.8	200.6	199.4	199.4
57.5°	1084.8	904.9	554.0	336.6	239.5	200.6	191.6	196.8	201.9	200.6	200.6
60°	1118.5	917.8	541.1	322.3	231.7	196.8	190.3	196.8	203.2	200.6	201.9
62.5°	1132.7	916.5	517.8	305.5	224.0	192.9	189.0	196.8	203.2	201.9	201.9
65°	1119.8	894.5	491.9	290.0	214.9	189.0	187.7	196.8	204.5	201.9	201.9
67.5°	1082.2	851.8	458.3	270.6	205.8	185.1	185.1	195.5	203.2	200.6	200.6
70°	1013.6	789.7	419.4	253.7	196.8	179.9	181.2	191.6	199.4	199.4	198.1
72.5°	921.7	709.4	376.7	234.3	187.7	173.5	176.1	187.7	194.2	194.2	192.9
75°	814.2	616.2	334.0	216.2	177.3	167.0	169.6	179.9	187.7	186.4	185.1
77.5°	686.1	521.7	292.6	196.8	165.7	157.9	161.8	172.2	178.6	176.1	174.8
80°	568.3	438.8	255.0	177.3	154.0	148.9	152.8	160.5	165.7	164.4	163.1
82.5°	454.4	354.7	216.2	159.2	142.4	138.5	142.4	148.9	152.8	151.5	148.9
85°	353.4	287.4	185.1	141.1	129.5	126.9	130.7	135.9	138.5	135.9	134.6
87.5°	278.3	225.2	154.0	124.3	116.5	115.2	117.8	123.0	125.6	123.0	119.1
90°	217.5	181.2	130.7	110.0	104.9	104.9	106.1	110.0	110.0	107.4	106.1
92.5°	169.6	145.0	110.0	95.8	93.2	93.2	95.8	97.1	97.1	93.2	91.9
95°	133.3	116.5	93.2	84.1	82.8	82.8	85.4	85.4	84.1	80.3	79.0
97.5°	104.9	94.5	80.3	73.8	72.5	73.8	75.1	75.1	72.5	68.6	67.3
100°	84.1	77.7	67.3	64.7	64.7	66.0	66.0	64.7	62.1	58.3	58.3
102.5°	68.6	63.4	58.3	57.0	57.0	58.3	58.3	57.0	54.4	49.2	49.2
105°	55.7	51.8	49.2	49.2	50.5	50.5	50.5	49.2	45.3	41.4	41.4
107.5°	45.3	44.0	42.7	42.7	44.0	45.3	45.3	42.7	38.8	36.2	36.2
110°	37.5	37.5	37.5	37.5	38.8	40.1	40.1	37.5	33.7	31.1	31.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	32.4	31.1	32.4	33.7	35.0	36.2	35.0	32.4	28.5	27.2	27.2
115°	27.2	27.2	28.5	29.8	31.1	31.1	31.1	28.5	24.6	23.3	23.3
117.5°	24.6	24.6	24.6	25.9	27.2	28.5	27.2	24.6	20.7	20.7	20.7
120°	20.7	20.7	22.0	23.3	24.6	24.6	23.3	20.7	18.1	18.1	18.1
122.5°	19.4	19.4	19.4	20.7	22.0	22.0	20.7	18.1	15.5	16.8	16.8
125°	16.8	16.8	16.8	18.1	19.4	19.4	18.1	15.5	14.2	14.2	14.2
127.5°	15.5	15.5	15.5	15.5	16.8	16.8	15.5	14.2	12.9	12.9	12.9
130°	14.2	14.2	14.2	14.2	14.2	14.2	12.9	11.7	11.7	11.7	11.7
132.5°	11.7	11.7	11.7	11.7	12.9	12.9	11.7	10.4	10.4	10.4	10.4
135°	10.4	10.4	10.4	10.4	10.4	10.4	9.1	9.1	9.1	9.1	9.1
137.5°	9.1	9.1	9.1	9.1	9.1	9.1	7.8	7.8	7.8	7.8	7.8
140°	7.8	7.8	7.8	7.8	7.8	6.5	6.5	6.5	6.5	7.8	7.8
142.5°	6.5	6.5	6.5	6.5	5.2	5.2	5.2	5.2	6.5	6.5	6.5
145°	5.2	5.2	5.2	5.2	3.9	3.9	3.9	5.2	5.2	5.2	5.2
147.5°	3.9	3.9	3.9	3.9	2.6	2.6	2.6	3.9	3.9	5.2	5.2
150°	2.6	2.6	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)