

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: P694632

Luminaire Tested: **LXF.LXT-PA16-20-750-U-T3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694632
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-PA16-20-750-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 420mA 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: 2857.1 lumens
Efficiency: N/A
Efficacy: 131.1 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 - U2 - G1

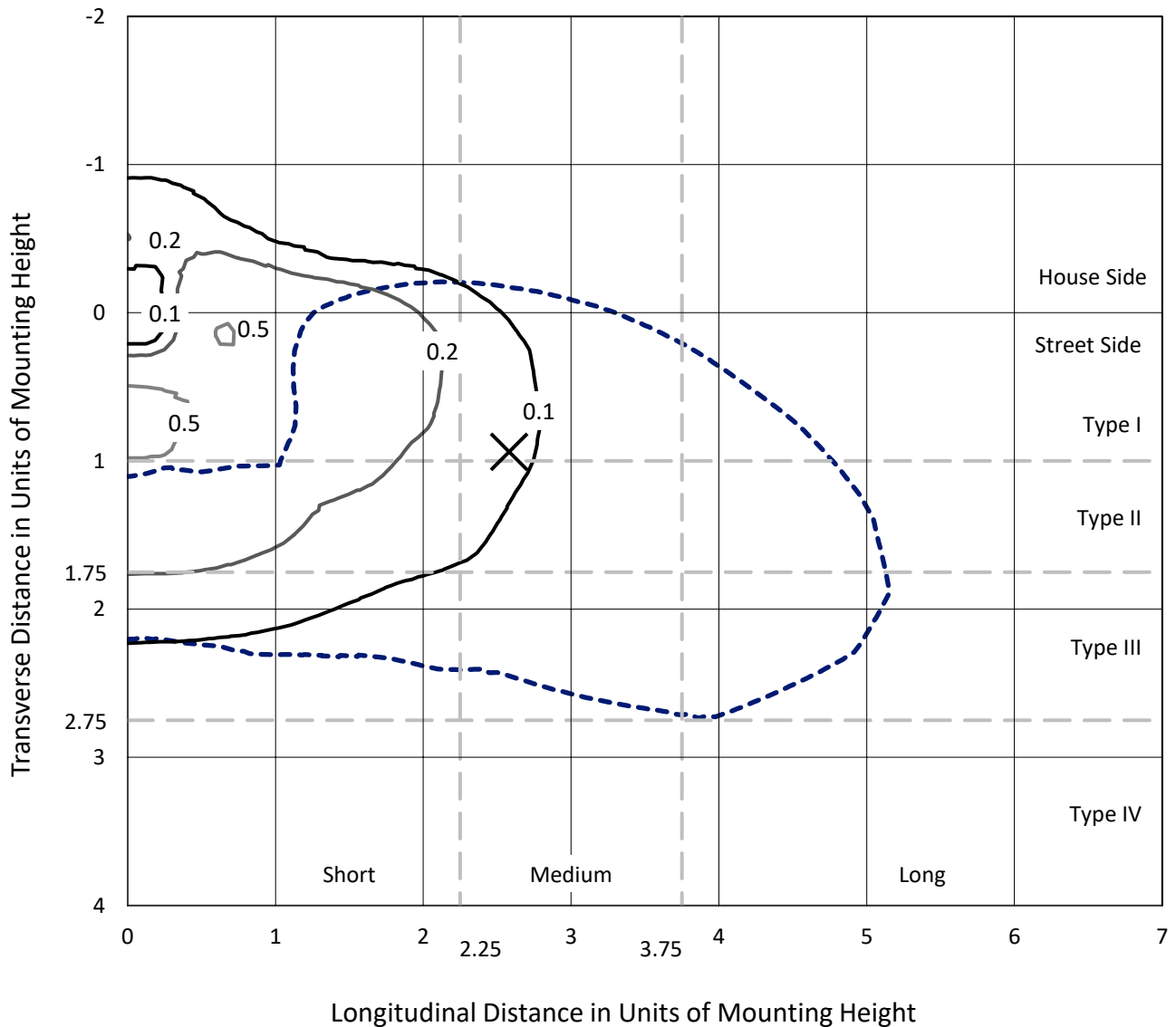
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

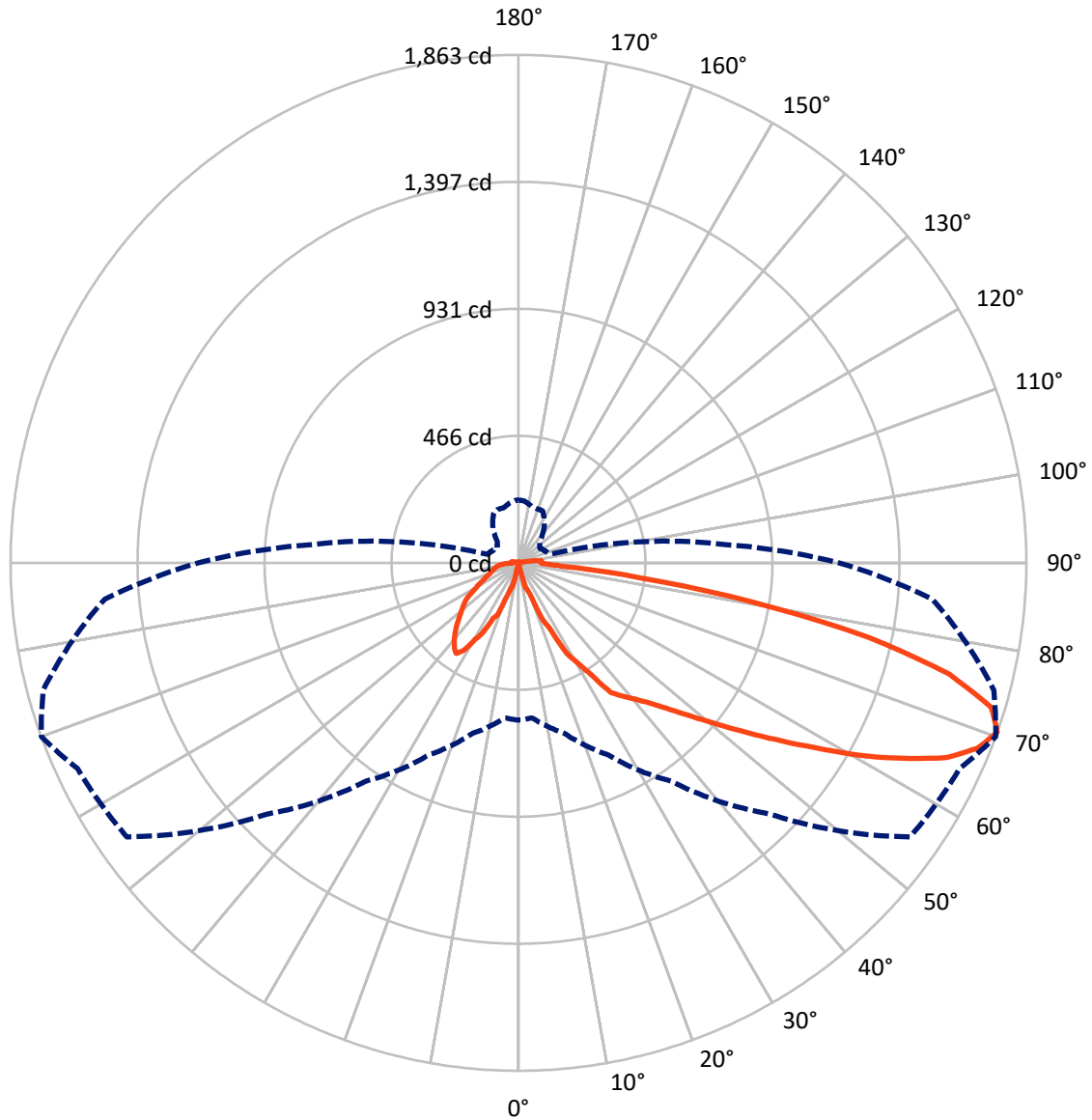
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type 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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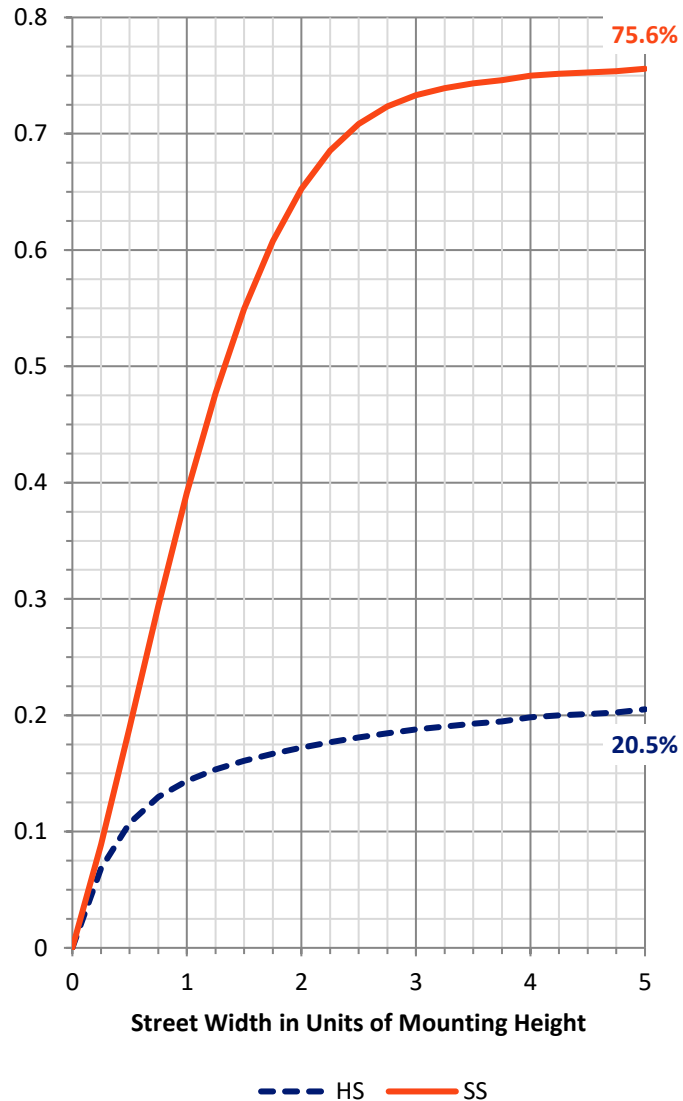
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	621.8	30.8	652.6
	% Fixture	21.8	1.1	22.8
Street Side	Lumens	2177.4	27.1	2204.5
	% Fixture	76.2	0.9	77.2
Total	Lumens	2799.2	57.9	2857.1
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	20.4	0.7
20°-30°	116.7	4.1
30°-40°	269.5	9.4
40°-50°	394.8	13.8
50°-60°	583.8	20.4
60°-70°	765.7	26.8
70°-80°	520.1	18.2
80°-90°	127.9	4.5
90°-100°	42.0	1.5
100°-110°	7.5	0.3
110°-120°	3.0	0.1
120°-130°	2.4	0.1
130°-140°	1.7	0.1
140°-150°	1.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2799.2	98.0
0°-180°	2857.1	100.0

Coefficient of Utilization

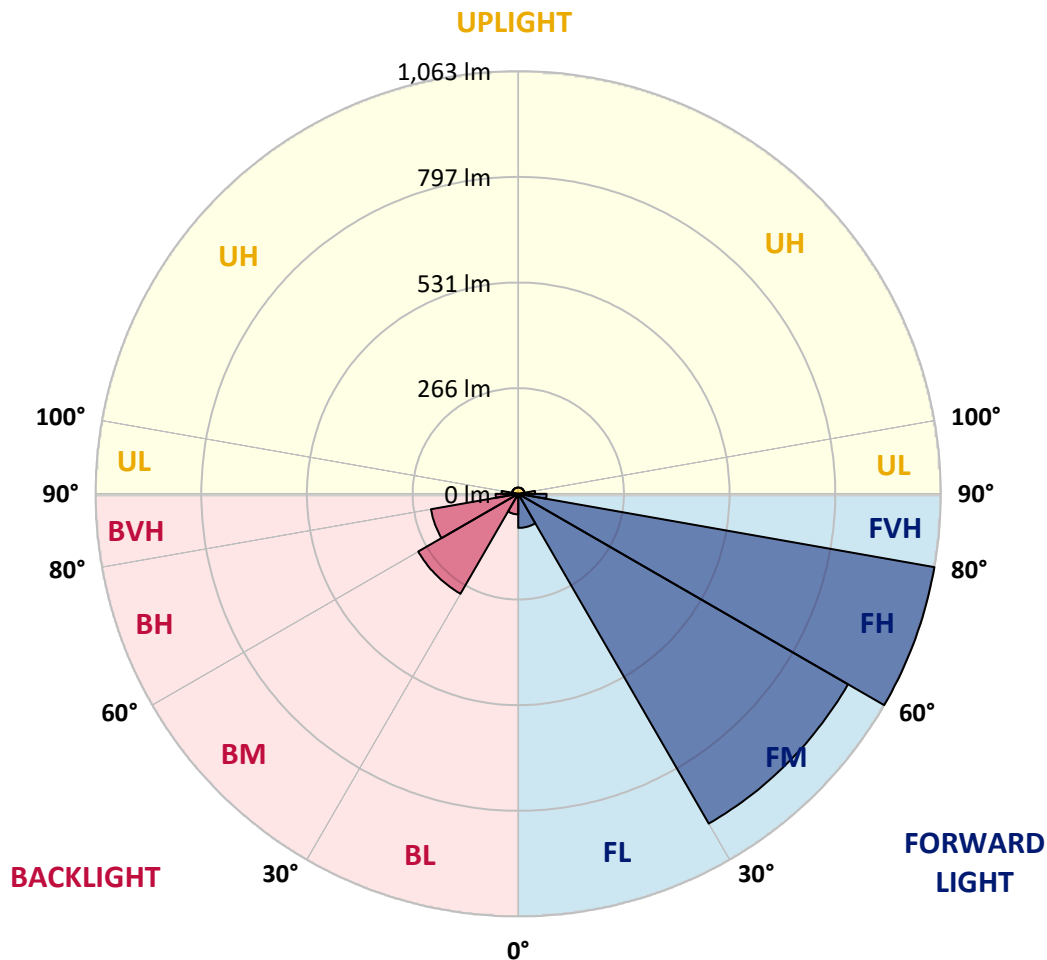


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.8	3.0			
FM (30°-60°)	957.7	33.5			
FH (60°-80°)	1062.8	37.2			G1/1800
FVH (80°-90°)	71.1	2.5			G1/100
BL (0°-30°)	51.6	1.8	B0/110		
BM (30°-60°)	290.4	10.2	B1/1000		
BH (60°-80°)	222.9	7.8	B1/500		G1/500
BVH (80°-90°)	56.9	2.0			G1/100
UL (90°-100°)	42.0	1.5		U2/50	
UH (100°-180°)	15.9	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5°	2.0	2.0	2.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0
7.5°	3.0	2.0	2.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
10°	17.0	18.0	12.0	7.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0
12.5°	92.0	91.0	89.0	62.0	22.0	7.0	5.0	9.0	11.0	14.0	20.0
15°	104.0	105.0	102.0	101.0	95.0	36.0	19.0	84.0	92.0	93.0	93.0
17.5°	145.0	144.0	130.0	114.0	107.0	111.0	89.0	100.0	104.0	106.0	107.0
20°	244.0	243.0	240.0	205.0	132.0	162.0	157.0	119.0	126.0	162.0	206.0
22.5°	272.0	270.0	266.0	256.0	265.0	185.0	180.0	209.0	227.0	238.0	237.0
25°	416.9	420.9	346.9	288.0	293.0	253.0	272.0	270.0	265.0	267.0	270.0
27.5°	463.9	459.9	453.9	424.9	325.9	343.9	310.0	344.9	376.9	394.9	389.9
30°	594.9	593.9	522.9	472.9	427.9	372.9	385.9	434.9	423.9	426.9	410.9
32.5°	694.9	693.9	683.9	583.9	484.9	421.9	457.9	459.9	487.9	542.9	547.9
35°	733.9	729.9	722.9	649.9	551.9	496.9	483.9	568.9	584.9	586.9	572.9
37.5°	773.9	768.9	762.9	681.9	617.9	526.9	554.9	619.9	619.9	632.9	597.9
40°	796.9	796.9	795.9	708.9	647.9	553.9	589.9	658.9	656.9	665.9	632.9
42.5°	825.9	822.9	833.9	736.9	678.9	581.9	623.9	695.9	701.9	724.9	679.9
45°	866.9	870.9	875.9	796.9	720.9	622.9	663.9	753.9	759.9	790.9	747.9
47.5°	911.9	916.9	934.9	859.9	788.9	674.9	697.9	819.9	833.9	871.9	833.9
50°	967.8	968.8	994.8	922.9	875.9	748.9	759.9	883.9	920.9	954.8	931.9
52.5°	1007.8	1011.8	1043.8	1003.8	955.8	837.9	849.9	966.8	1024.8	1066.8	1037.8
55°	1042.8	1045.8	1075.8	1065.8	1022.8	905.9	966.8	1078.8	1143.8	1179.8	1167.8
57.5°	1055.8	1058.8	1103.8	1111.8	1090.8	991.8	1089.8	1189.8	1276.8	1316.8	1296.8
60°	1046.8	1046.8	1101.8	1144.8	1165.8	1086.8	1219.8	1314.8	1432.8	1459.8	1466.8
62.5°	1016.8	1024.8	1091.8	1158.8	1219.8	1179.8	1351.8	1469.8	1578.7	1603.7	1587.7
65°	950.8	952.8	1023.8	1128.8	1225.8	1280.8	1520.8	1600.7	1723.7	1714.7	1646.7
67.5°	825.9	811.9	873.9	1021.8	1159.8	1332.8	1661.7	1711.7	1814.7	1784.7	1631.7
70°	576.9	570.9	646.9	776.9	977.8	1302.8	1752.7	1784.7	1862.7	1804.7	1522.8
72.5°	274.0	296.0	333.9	444.9	677.9	1099.8	1727.7	1777.7	1812.7	1746.7	1322.8
75°	120.0	123.0	143.0	202.0	348.9	694.9	1511.8	1596.7	1631.7	1556.8	1041.8
77.5°	86.0	86.0	95.0	110.0	159.0	331.9	1029.8	1264.8	1309.8	1236.8	729.9
80°	67.0	67.0	74.0	84.0	99.0	137.0	641.9	847.9	863.9	755.9	406.9
82.5°	50.0	52.0	58.0	63.0	73.0	94.0	275.0	435.9	446.9	350.9	213.0
85°	36.0	36.0	40.0	40.0	48.0	73.0	142.0	160.0	159.0	141.0	132.0
87.5°	12.0	12.0	10.0	12.0	20.0	46.0	89.0	90.0	86.0	98.0	111.0
90°	14.0	14.0	10.0	11.0	15.0	42.0	86.0	86.0	82.0	88.0	111.0
92.5°	15.0	15.0	11.0	11.0	13.0	37.0	87.0	91.0	86.0	89.0	110.0
95°	15.0	15.0	11.0	10.0	12.0	25.0	84.0	84.0	81.0	79.0	87.0
97.5°	9.0	9.0	7.0	8.0	10.0	13.0	50.0	52.0	46.0	36.0	47.0
100°	6.0	6.0	5.0	6.0	7.0	7.0	24.0	25.0	19.0	9.0	10.0
102.5°	6.0	6.0	4.0	5.0	4.0	4.0	7.0	9.0	6.0	6.0	8.0
105°	6.0	7.0	3.0	3.0	3.0	3.0	3.0	6.0	5.0	5.0	8.0
107.5°	6.0	6.0	3.0	3.0	3.0	3.0	2.0	3.0	4.0	5.0	9.0
110°	3.0	4.0	2.0	3.0	2.0	3.0	2.0	3.0	4.0	4.0	7.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	2.0	2.0	1.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	5.0
115°	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	3.0	3.0	5.0
117.5°	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	3.0	5.0
120°	3.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	3.0	5.0
122.5°	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	5.0
125°	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	5.0
127.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	5.0
130°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	4.0
132.5°	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	4.0
135°	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	3.0
137.5°	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
150°	3.0	3.0	3.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	3.0
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
7.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
10°	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
12.5°	18.0	18.0	14.0	7.0	3.0	2.0	2.0	2.0	3.0	5.0	4.0
15°	95.0	95.0	93.0	85.0	18.0	5.0	4.0	9.0	40.0	72.0	73.0
17.5°	109.0	108.0	106.0	101.0	90.0	32.0	31.0	84.0	90.0	94.0	95.0
20°	205.0	203.0	157.0	112.0	98.0	97.0	85.0	95.0	98.0	100.0	101.0
22.5°	234.0	231.0	220.0	194.0	112.0	132.0	124.0	103.0	154.0	165.0	165.0
25°	269.0	261.0	239.0	209.0	191.0	139.0	143.0	150.0	159.0	161.0	161.0
27.5°	382.9	375.9	343.9	230.0	205.0	164.0	166.0	152.0	160.0	183.0	186.0
30°	400.9	389.9	360.9	284.0	213.0	184.0	159.0	178.0	187.0	186.0	187.0
32.5°	533.9	522.9	463.9	292.0	229.0	173.0	174.0	178.0	184.0	194.0	201.0
35°	554.9	542.9	475.9	331.9	219.0	172.0	172.0	180.0	207.0	211.0	211.0
37.5°	577.9	567.9	470.9	310.0	221.0	172.0	167.0	184.0	195.0	194.0	194.0
40°	617.9	601.9	457.9	283.0	201.0	165.0	167.0	173.0	179.0	173.0	170.0
42.5°	664.9	635.9	440.9	255.0	185.0	156.0	158.0	160.0	160.0	149.0	148.0
45°	724.9	670.9	417.9	229.0	170.0	145.0	150.0	147.0	147.0	138.0	137.0
47.5°	792.9	706.9	389.9	206.0	157.0	135.0	142.0	139.0	141.0	133.0	132.0
50°	871.9	753.9	362.9	189.0	146.0	130.0	134.0	138.0	141.0	131.0	130.0
52.5°	954.8	799.9	343.9	170.0	136.0	124.0	137.0	138.0	140.0	130.0	130.0
55°	1056.8	856.9	320.9	156.0	129.0	119.0	144.0	144.0	141.0	132.0	131.0
57.5°	1166.8	913.9	278.0	143.0	123.0	116.0	147.0	152.0	145.0	134.0	134.0
60°	1268.8	970.8	229.0	133.0	117.0	115.0	149.0	156.0	150.0	140.0	140.0
62.5°	1346.8	998.8	192.0	125.0	110.0	112.0	148.0	164.0	162.0	157.0	157.0
65°	1355.8	973.8	161.0	118.0	104.0	111.0	146.0	172.0	173.0	181.0	182.0
67.5°	1307.8	893.9	137.0	112.0	99.0	108.0	147.0	189.0	194.0	209.0	207.0
70°	1175.8	763.9	119.0	105.0	95.0	109.0	165.0	210.0	209.0	228.0	230.0
72.5°	981.8	604.9	108.0	101.0	97.0	117.0	186.0	216.0	212.0	233.0	231.0
75°	744.9	426.9	99.0	96.0	94.0	119.0	191.0	210.0	202.0	216.0	214.0
77.5°	489.9	281.0	90.0	90.0	91.0	114.0	183.0	200.0	190.0	199.0	198.0
80°	276.0	167.0	81.0	85.0	87.0	109.0	171.0	186.0	176.0	183.0	183.0
82.5°	166.0	119.0	71.0	78.0	80.0	108.0	160.0	173.0	164.0	168.0	163.0
85°	113.0	87.0	56.0	66.0	75.0	104.0	151.0	160.0	144.0	141.0	137.0
87.5°	92.0	68.0	31.0	42.0	56.0	89.0	120.0	121.0	106.0	104.0	103.0
90°	90.0	63.0	22.0	23.0	37.0	62.0	79.0	76.0	71.0	72.0	71.0
92.5°	88.0	60.0	24.0	25.0	37.0	49.0	67.0	66.0	61.0	66.0	65.0
95°	75.0	52.0	25.0	27.0	32.0	30.0	49.0	52.0	48.0	51.0	52.0
97.5°	39.0	28.0	24.0	27.0	24.0	18.0	29.0	33.0	25.0	20.0	22.0
100°	13.0	9.0	24.0	28.0	18.0	13.0	21.0	24.0	15.0	6.0	6.0
102.5°	8.0	8.0	17.0	22.0	13.0	7.0	14.0	17.0	11.0	5.0	5.0
105°	8.0	8.0	7.0	12.0	5.0	4.0	5.0	9.0	6.0	5.0	5.0
107.5°	9.0	8.0	4.0	4.0	4.0	3.0	3.0	4.0	4.0	5.0	5.0
110°	8.0	7.0	4.0	4.0	3.0	3.0	3.0	3.0	4.0	6.0	6.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.0	6.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0	6.0	6.0
115°	5.0	5.0	3.0	3.0	2.0	3.0	3.0	3.0	4.0	6.0	7.0
117.5°	6.0	5.0	3.0	2.0	2.0	2.0	2.0	3.0	4.0	7.0	7.0
120°	6.0	5.0	3.0	3.0	2.0	2.0	2.0	3.0	4.0	7.0	8.0
122.5°	6.0	5.0	3.0	2.0	2.0	2.0	2.0	3.0	4.0	7.0	8.0
125°	5.0	5.0	3.0	2.0	2.0	2.0	2.0	3.0	4.0	7.0	7.0
127.5°	5.0	5.0	3.0	2.0	2.0	2.0	2.0	3.0	4.0	7.0	7.0
130°	5.0	4.0	3.0	2.0	2.0	2.0	2.0	3.0	4.0	6.0	7.0
132.5°	4.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	6.0
135°	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	5.0
137.5°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	3.0	3.0	4.0
140°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	3.0	3.0
142.5°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	3.0	3.0
145°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	3.0	3.0
147.5°	3.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	3.0	3.0
150°	3.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	3.0
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)