

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: P694636

Luminaire Tested: **LXF.LXT-PA16-20-750-U-T4W-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)
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-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2782.1 lumens
Efficiency: N/A
Efficacy: 127.6 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 - G2

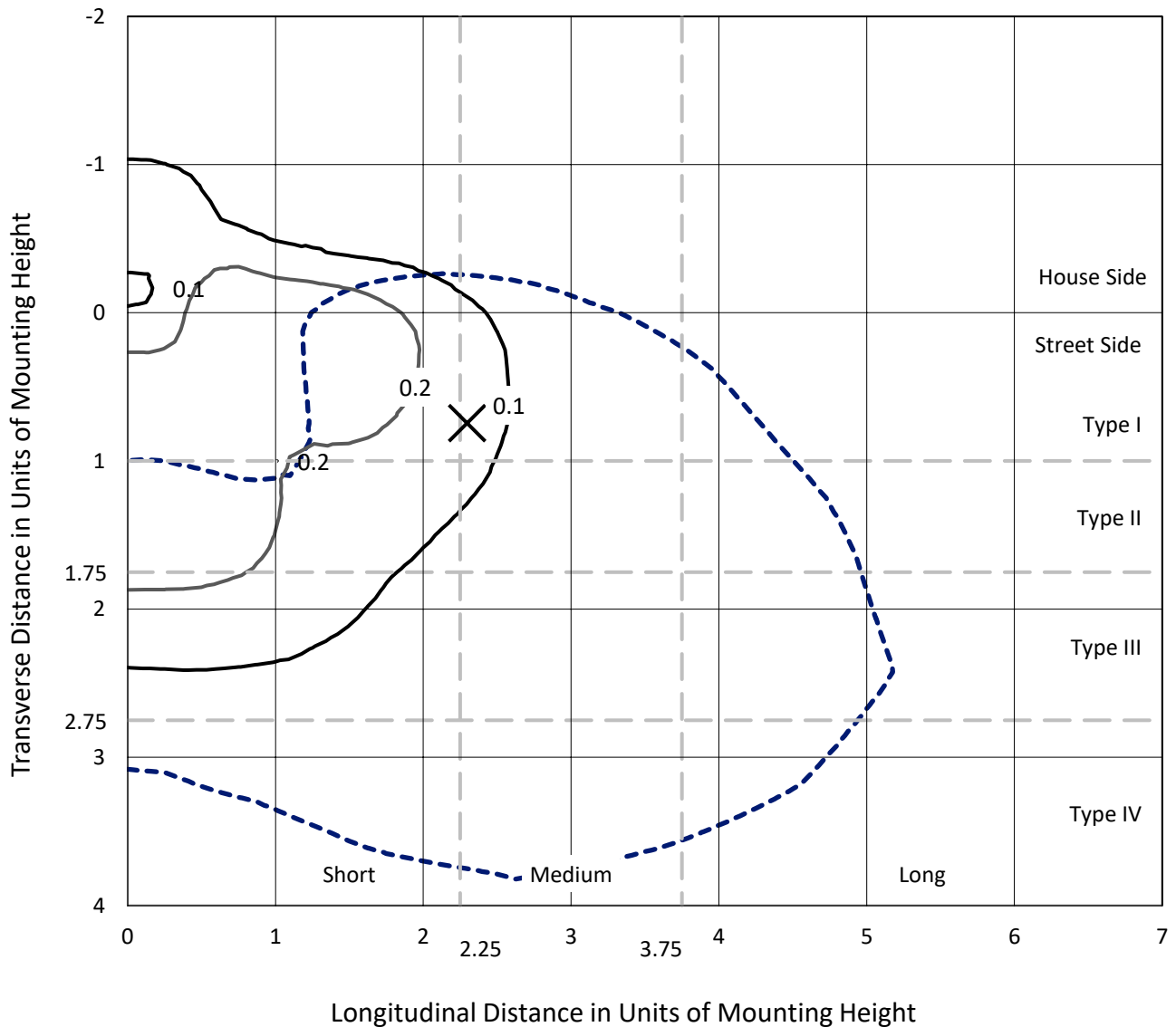
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

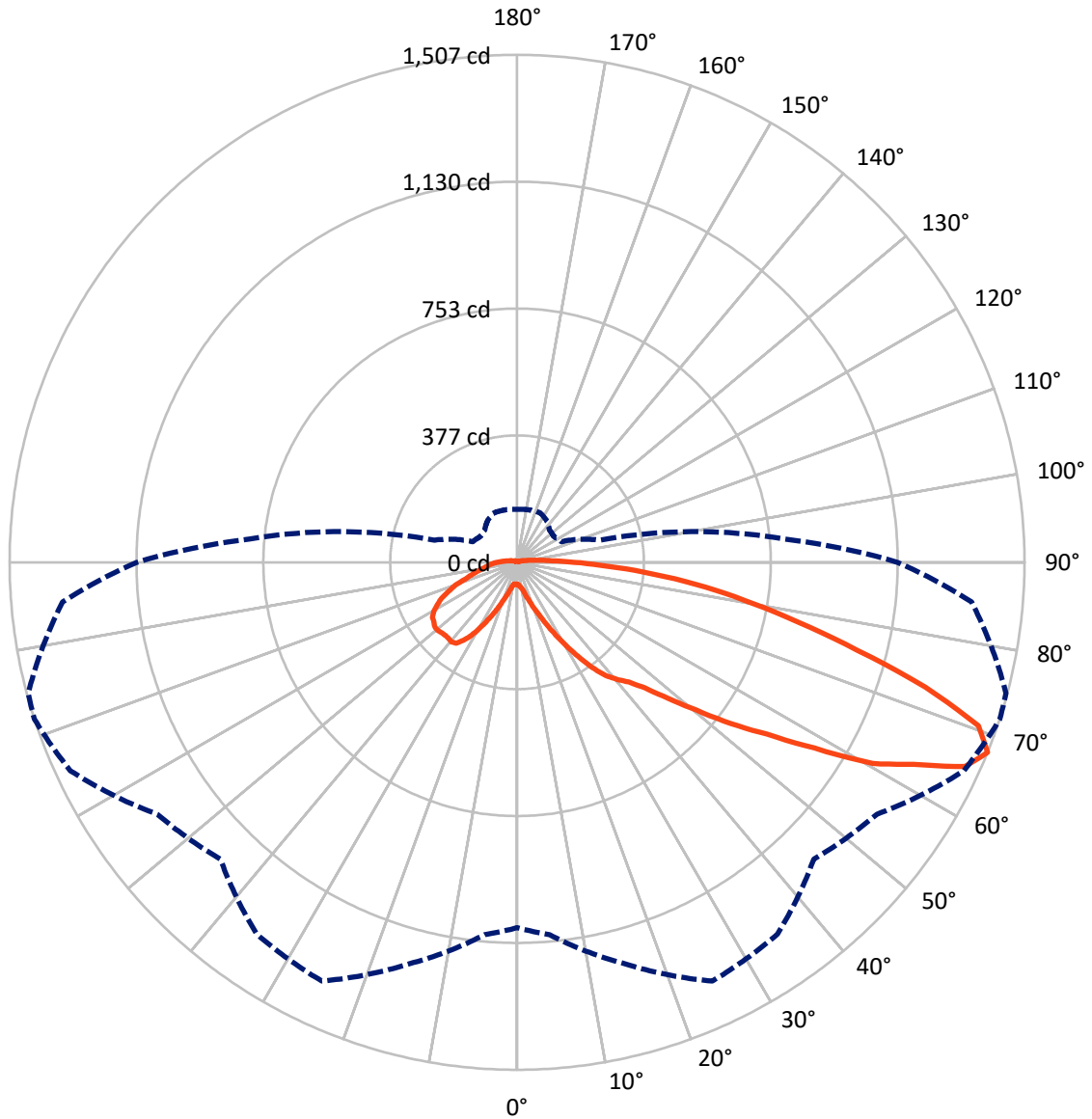
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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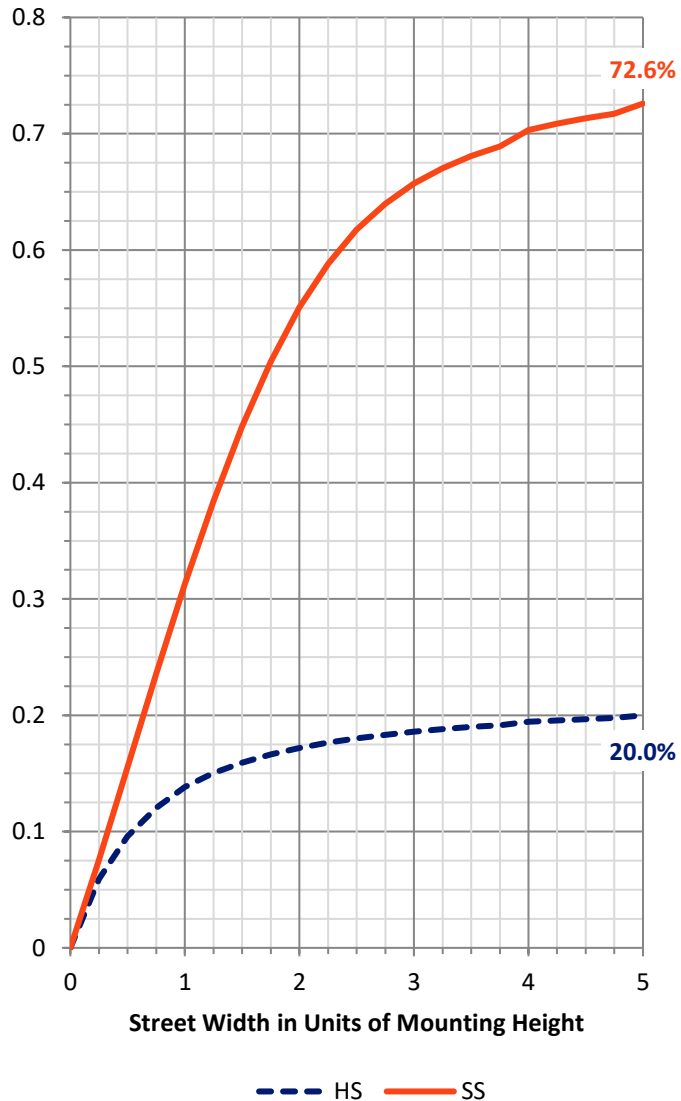
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	587.2	50.5	637.7
	% Fixture	21.1	1.8	22.9
Street Side	Lumens	2090.6	53.7	2144.4
	% Fixture	75.1	1.9	77.1
Total	Lumens	2677.8	104.2	2782.1
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.2
10°-20°	28.8	1.0
20°-30°	87.3	3.1
30°-40°	196.6	7.1
40°-50°	315.5	11.3
50°-60°	511.4	18.4
60°-70°	745.9	26.8
70°-80°	559.2	20.1
80°-90°	226.4	8.1
90°-100°	62.8	2.3
100°-110°	20.6	0.7
110°-120°	9.5	0.3
120°-130°	5.7	0.2
130°-140°	3.7	0.1
140°-150°	1.8	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2677.8	96.3
0°-180°	2782.1	100.0

Coefficient of Utilization

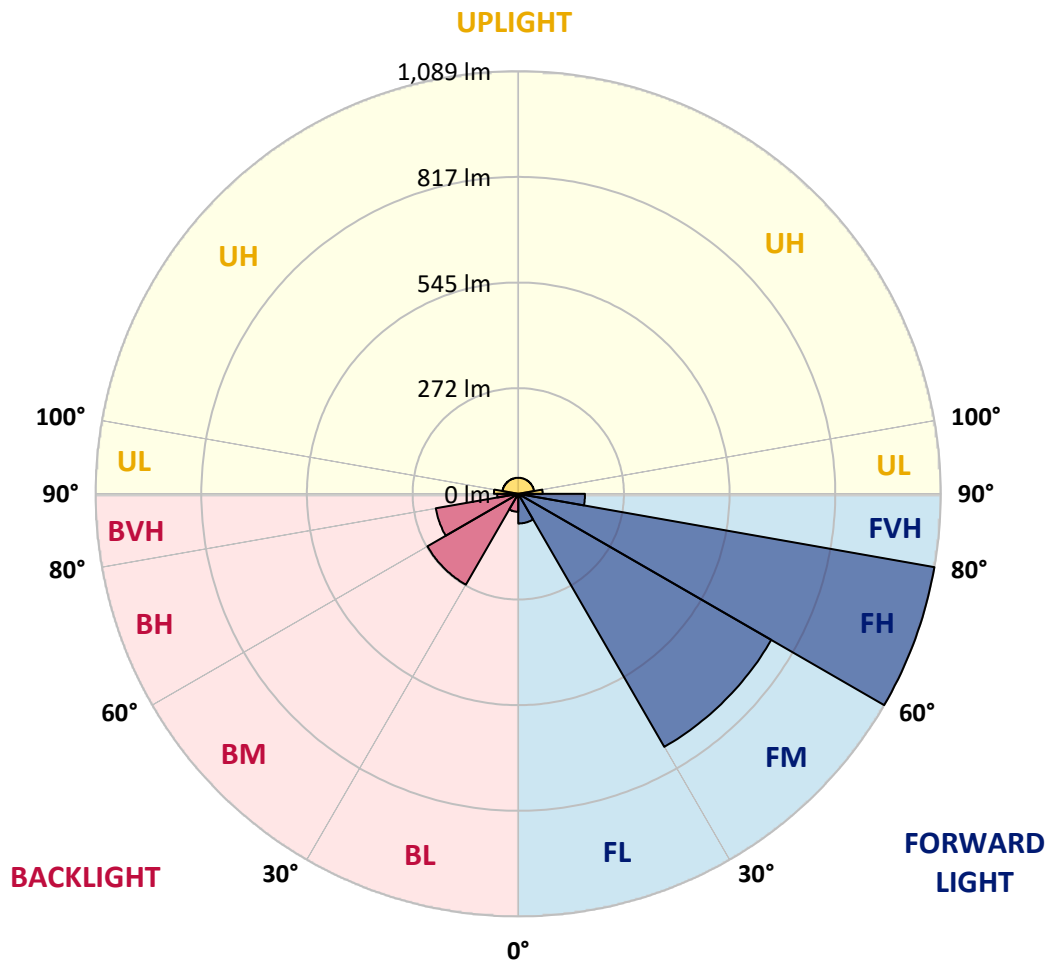


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	76.5	2.7			
FM (30°-60°)	753.1	27.1			
FH (60°-80°)	1089.2	39.2			G1/1800
FVH (80°-90°)	171.9	6.2			G2/225
BL (0°-30°)	46.3	1.7	B0/110		
BM (30°-60°)	270.4	9.7	B1/1000		
BH (60°-80°)	215.9	7.8	B1/500		G1/500
BVH (80°-90°)	54.5	2.0			G1/100
UL (90°-100°)	62.8	2.3		U3/500	
UH (100°-180°)	41.4	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
2.5°	69.0	69.0	69.0	69.0	69.0	69.0	69.0	68.0	67.0	67.0	66.0
5°	75.0	75.0	75.0	75.0	75.0	74.0	72.0	71.0	70.0	69.0	68.0
7.5°	84.0	83.0	83.0	82.0	81.0	80.0	78.0	76.0	74.0	73.0	71.0
10°	95.0	95.0	94.0	92.0	91.0	87.0	85.0	82.0	80.0	79.0	76.0
12.5°	115.0	113.0	112.0	109.0	104.0	99.0	95.0	92.0	90.0	90.0	86.0
15°	138.0	137.0	135.0	127.0	121.0	114.0	109.0	107.0	106.0	104.0	101.0
17.5°	166.0	166.0	162.0	151.0	141.0	134.0	128.0	125.0	124.0	124.0	121.0
20°	202.0	202.0	194.0	178.0	166.0	157.0	150.0	146.0	146.0	145.0	143.0
22.5°	244.0	246.0	234.0	213.0	193.0	180.0	172.0	171.0	171.0	175.0	173.0
25°	293.0	293.0	278.0	251.0	228.0	205.0	199.0	203.0	206.0	210.0	211.0
27.5°	356.0	354.0	329.0	295.0	259.0	234.0	227.0	235.0	244.0	247.0	253.0
30°	427.9	424.9	393.9	346.0	297.0	260.0	257.0	272.0	288.0	291.0	299.0
32.5°	488.9	490.9	455.9	402.9	336.0	292.0	289.0	313.0	333.0	340.0	355.0
35°	562.9	563.9	521.9	454.9	374.0	322.0	321.0	354.0	382.9	391.9	407.9
37.5°	593.9	599.9	567.9	499.9	411.9	354.0	352.0	392.9	425.9	435.9	453.9
40°	625.9	629.9	596.9	532.9	442.9	381.9	382.9	426.9	456.9	468.9	478.9
42.5°	691.9	693.9	648.9	567.9	468.9	410.9	411.9	451.9	485.9	500.9	518.9
45°	750.9	759.9	715.9	622.9	503.9	435.9	437.9	492.9	530.9	551.9	573.9
47.5°	834.9	834.9	798.9	695.9	555.9	469.9	480.9	550.9	602.9	620.9	652.9
50°	909.9	910.9	883.9	774.9	613.9	516.9	536.9	623.9	689.9	710.9	753.9
52.5°	971.9	972.9	953.9	865.9	692.9	578.9	601.9	720.9	794.9	820.9	858.9
55°	1048.9	1043.9	1031.9	956.9	782.9	658.9	692.9	823.9	900.9	935.9	981.9
57.5°	1130.9	1124.9	1129.9	1055.9	885.9	757.9	792.9	933.9	1040.9	1085.9	1138.8
60°	1175.8	1177.8	1215.8	1185.8	1010.9	880.9	919.9	1101.9	1212.8	1247.8	1259.8
62.5°	1197.8	1199.8	1264.8	1284.8	1158.8	1009.9	1064.9	1240.8	1320.8	1364.8	1355.8
65°	1191.8	1199.8	1303.8	1358.8	1282.8	1148.8	1207.8	1371.8	1461.8	1484.8	1414.8
67.5°	1084.9	1109.9	1233.8	1371.8	1347.8	1245.8	1303.8	1463.8	1506.8	1502.8	1354.8
70°	918.9	925.9	1074.9	1274.8	1328.8	1241.8	1312.8	1444.8	1452.8	1431.8	1221.8
72.5°	706.9	723.9	858.9	1075.9	1196.8	1152.8	1212.8	1316.8	1267.8	1214.8	985.9
75°	518.9	511.9	624.9	835.9	990.9	996.9	1055.9	1116.9	1043.9	1000.9	804.9
77.5°	352.0	369.0	449.9	618.9	778.9	832.9	891.9	899.9	851.9	816.9	615.9
80°	241.0	244.0	305.0	451.9	607.9	683.9	735.9	753.9	684.9	644.9	464.9
82.5°	138.0	141.0	193.0	325.0	476.9	564.9	617.9	612.9	533.9	493.9	323.0
85°	77.0	78.0	112.0	201.0	359.0	451.9	497.9	457.9	378.9	342.0	212.0
87.5°	46.0	48.0	67.0	129.0	244.0	350.0	373.0	319.0	245.0	218.0	140.0
90°	29.0	31.0	41.0	76.0	157.0	246.0	253.0	201.0	152.0	137.0	95.0
92.5°	19.0	20.0	27.0	47.0	97.0	155.0	162.0	121.0	94.0	84.0	65.0
95°	15.0	15.0	19.0	32.0	60.0	91.0	98.0	73.0	61.0	55.0	45.0
97.5°	12.0	12.0	15.0	23.0	41.0	57.0	59.0	48.0	41.0	40.0	34.0
100°	10.0	11.0	13.0	18.0	29.0	38.0	38.0	33.0	30.0	30.0	27.0
102.5°	9.0	9.0	11.0	15.0	23.0	29.0	28.0	25.0	23.0	23.0	22.0
105°	9.0	8.0	10.0	12.0	18.0	22.0	21.0	19.0	18.0	17.0	17.0
107.5°	8.0	7.0	8.0	10.0	15.0	18.0	17.0	15.0	14.0	13.0	14.0
110°	7.0	7.0	7.0	9.0	12.0	15.0	14.0	12.0	11.0	11.0	11.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	6.0	6.0	6.0	8.0	10.0	12.0	12.0	10.0	9.0	8.0	9.0
115°	6.0	6.0	6.0	7.0	9.0	11.0	10.0	8.0	7.0	7.0	8.0
117.5°	5.0	5.0	5.0	7.0	8.0	9.0	9.0	7.0	6.0	6.0	7.0
120°	5.0	5.0	5.0	6.0	8.0	8.0	8.0	6.0	6.0	6.0	7.0
122.5°	5.0	5.0	5.0	6.0	7.0	8.0	7.0	6.0	5.0	5.0	6.0
125°	5.0	5.0	5.0	6.0	7.0	7.0	6.0	5.0	5.0	5.0	6.0
127.5°	5.0	5.0	5.0	6.0	6.0	6.0	6.0	5.0	5.0	5.0	6.0
130°	5.0	5.0	5.0	5.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0
132.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0
135°	5.0	5.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	5.0
137.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0
140°	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	4.0
142.5°	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
145°	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0
147.5°	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
2.5°	66.0	66.0	65.0	64.0	64.0	64.0	64.0	64.0	63.0	63.0	63.0
5°	67.0	66.0	65.0	64.0	63.0	62.0	61.0	61.0	60.0	60.0	60.0
7.5°	70.0	69.0	66.0	64.0	62.0	61.0	60.0	59.0	58.0	57.0	57.0
10°	75.0	73.0	69.0	66.0	63.0	61.0	59.0	58.0	57.0	57.0	56.0
12.5°	84.0	82.0	76.0	71.0	66.0	63.0	60.0	59.0	59.0	59.0	60.0
15°	99.0	96.0	88.0	81.0	73.0	67.0	65.0	66.0	67.0	68.0	68.0
17.5°	118.0	114.0	105.0	93.0	82.0	75.0	74.0	75.0	77.0	79.0	79.0
20°	140.0	135.0	121.0	107.0	93.0	87.0	84.0	86.0	89.0	93.0	92.0
22.5°	171.0	163.0	146.0	123.0	107.0	99.0	95.0	98.0	104.0	108.0	108.0
25°	206.0	196.0	174.0	143.0	121.0	109.0	107.0	112.0	123.0	129.0	129.0
27.5°	246.0	234.0	204.0	164.0	136.0	120.0	118.0	129.0	143.0	154.0	153.0
30°	293.0	279.0	240.0	186.0	150.0	129.0	131.0	146.0	165.0	178.0	178.0
32.5°	347.0	325.0	275.0	210.0	161.0	137.0	141.0	161.0	184.0	197.0	199.0
35°	397.9	372.0	304.0	228.0	170.0	144.0	149.0	175.0	202.0	218.0	218.0
37.5°	441.9	413.9	327.0	240.0	174.0	148.0	156.0	186.0	212.0	228.0	228.0
40°	462.9	429.9	334.0	242.0	175.0	150.0	160.0	191.0	216.0	229.0	228.0
42.5°	500.9	456.9	335.0	231.0	172.0	151.0	162.0	189.0	208.0	214.0	213.0
45°	551.9	494.9	340.0	221.0	165.0	149.0	160.0	182.0	193.0	194.0	192.0
47.5°	617.9	549.9	347.0	212.0	159.0	146.0	155.0	172.0	178.0	175.0	174.0
50°	708.9	612.9	357.0	202.0	155.0	141.0	150.0	165.0	169.0	163.0	162.0
52.5°	797.9	675.9	361.0	192.0	151.0	138.0	147.0	162.0	163.0	153.0	152.0
55°	905.9	743.9	356.0	181.0	149.0	137.0	147.0	160.0	156.0	146.0	144.0
57.5°	1040.9	830.9	355.0	171.0	145.0	137.0	148.0	158.0	155.0	148.0	147.0
60°	1124.9	867.9	339.0	165.0	142.0	139.0	150.0	161.0	157.0	149.0	148.0
62.5°	1184.8	883.9	315.0	158.0	140.0	139.0	153.0	162.0	156.0	150.0	149.0
65°	1201.8	867.9	290.0	151.0	137.0	139.0	154.0	161.0	158.0	154.0	154.0
67.5°	1129.9	795.9	254.0	145.0	133.0	136.0	152.0	162.0	160.0	158.0	157.0
70°	998.9	693.9	221.0	137.0	126.0	131.0	149.0	162.0	162.0	161.0	161.0
72.5°	796.9	535.9	178.0	128.0	118.0	125.0	145.0	159.0	158.0	157.0	156.0
75°	638.9	422.9	151.0	116.0	110.0	117.0	139.0	153.0	151.0	151.0	150.0
77.5°	480.9	320.0	128.0	105.0	100.0	110.0	130.0	143.0	142.0	141.0	139.0
80°	348.0	237.0	109.0	95.0	92.0	101.0	119.0	130.0	130.0	130.0	129.0
82.5°	252.0	175.0	95.0	86.0	84.0	92.0	107.0	116.0	120.0	123.0	121.0
85°	166.0	123.0	84.0	78.0	78.0	85.0	97.0	105.0	111.0	114.0	113.0
87.5°	113.0	94.0	74.0	69.0	71.0	78.0	89.0	95.0	100.0	103.0	102.0
90°	80.0	73.0	63.0	59.0	61.0	70.0	80.0	85.0	87.0	88.0	87.0
92.5°	57.0	54.0	50.0	48.0	51.0	61.0	70.0	72.0	72.0	71.0	69.0
95°	43.0	41.0	40.0	38.0	42.0	51.0	58.0	58.0	58.0	55.0	55.0
97.5°	33.0	33.0	33.0	31.0	34.0	41.0	46.0	45.0	45.0	43.0	43.0
100°	27.0	27.0	27.0	26.0	28.0	33.0	35.0	35.0	36.0	35.0	35.0
102.5°	22.0	22.0	22.0	22.0	23.0	27.0	29.0	28.0	29.0	29.0	29.0
105°	18.0	18.0	19.0	18.0	20.0	23.0	23.0	23.0	24.0	22.0	23.0
107.5°	14.0	15.0	15.0	15.0	17.0	19.0	20.0	19.0	19.0	18.0	18.0
110°	12.0	13.0	13.0	13.0	14.0	16.0	17.0	16.0	15.0	15.0	15.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.0	11.0	11.0	11.0	12.0	14.0	14.0	13.0	12.0	12.0	12.0
115°	9.0	9.0	10.0	10.0	11.0	12.0	12.0	11.0	10.0	11.0	11.0
117.5°	8.0	8.0	9.0	9.0	9.0	10.0	10.0	9.0	9.0	10.0	10.0
120°	7.0	8.0	8.0	8.0	8.0	9.0	9.0	8.0	8.0	9.0	9.0
122.5°	7.0	7.0	7.0	7.0	8.0	8.0	8.0	7.0	7.0	8.0	8.0
125°	6.0	7.0	7.0	7.0	7.0	7.0	7.0	6.0	7.0	7.0	8.0
127.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0
130°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0	6.0	6.0	6.0
132.5°	6.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	6.0
135°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	6.0
137.5°	5.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0
140°	4.0	4.0	4.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0
142.5°	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
145°	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
150°	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
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)