

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: P694619

Luminaire Tested: **LXF.LXT-PA16-20-750-U-SL3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)
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-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2635.9 lumens
Efficiency: N/A
Efficacy: 120.9 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 - U2 - G2

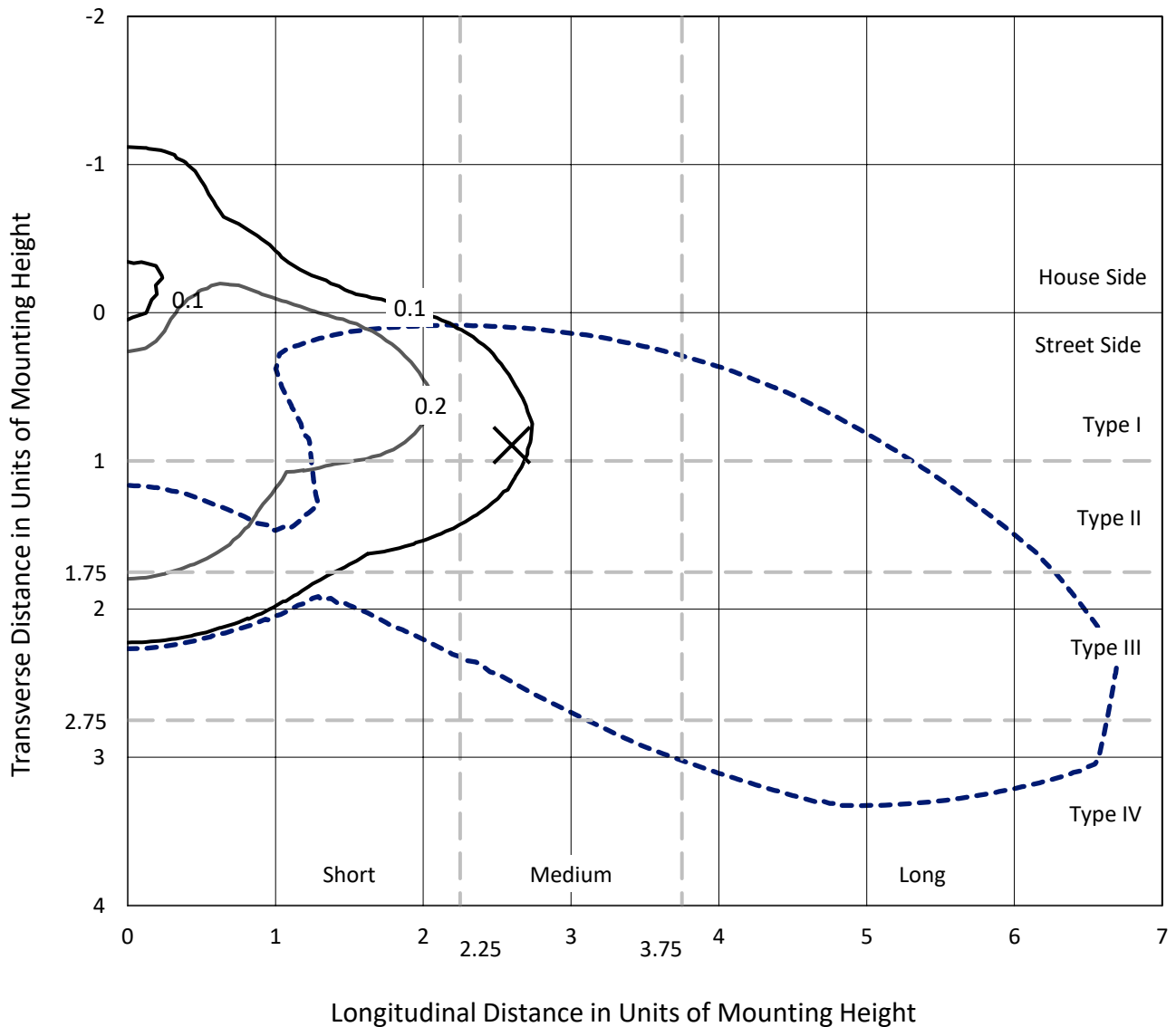
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

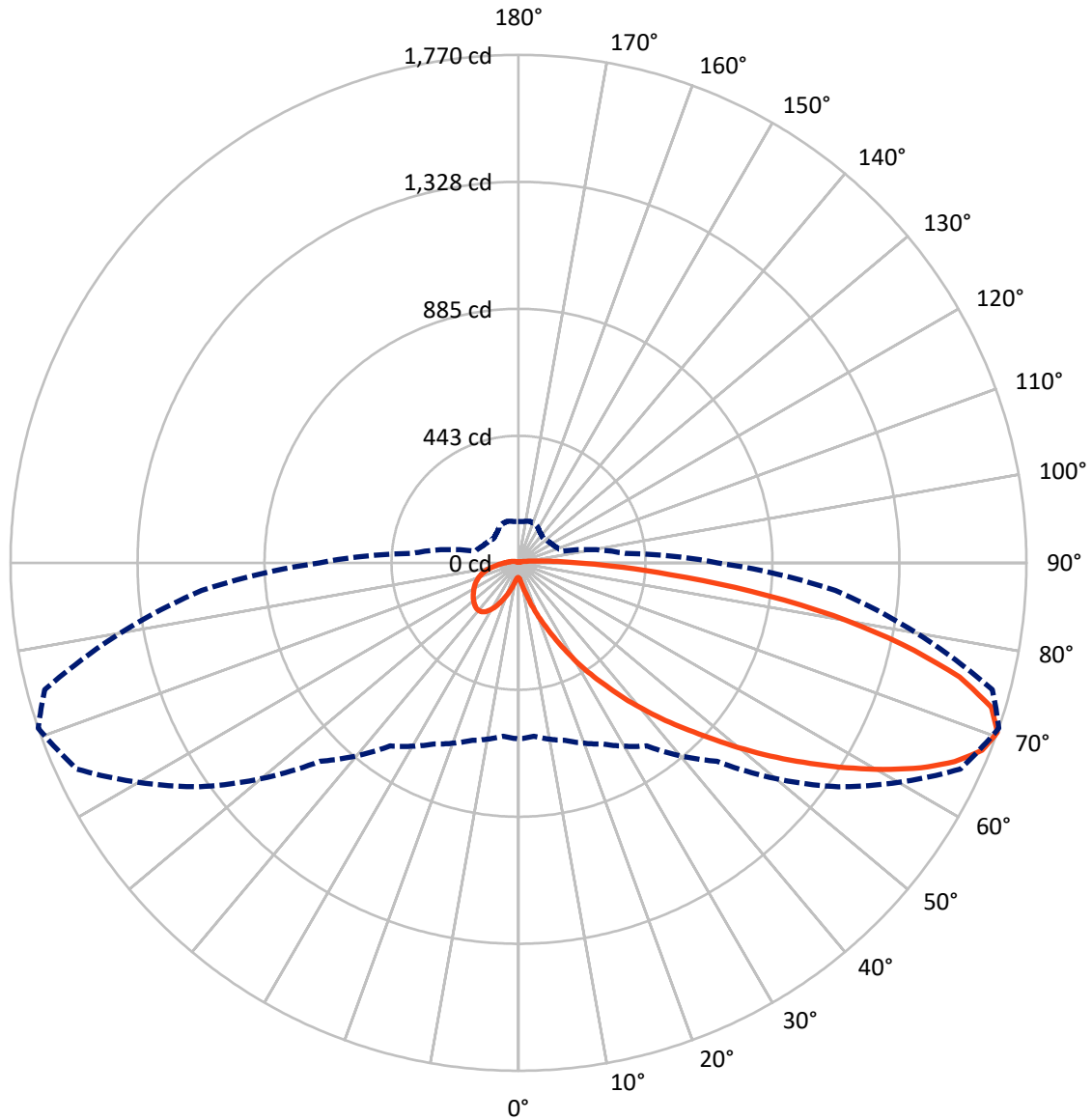
× Max cd
 - - - 1/2 Max cd



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 71-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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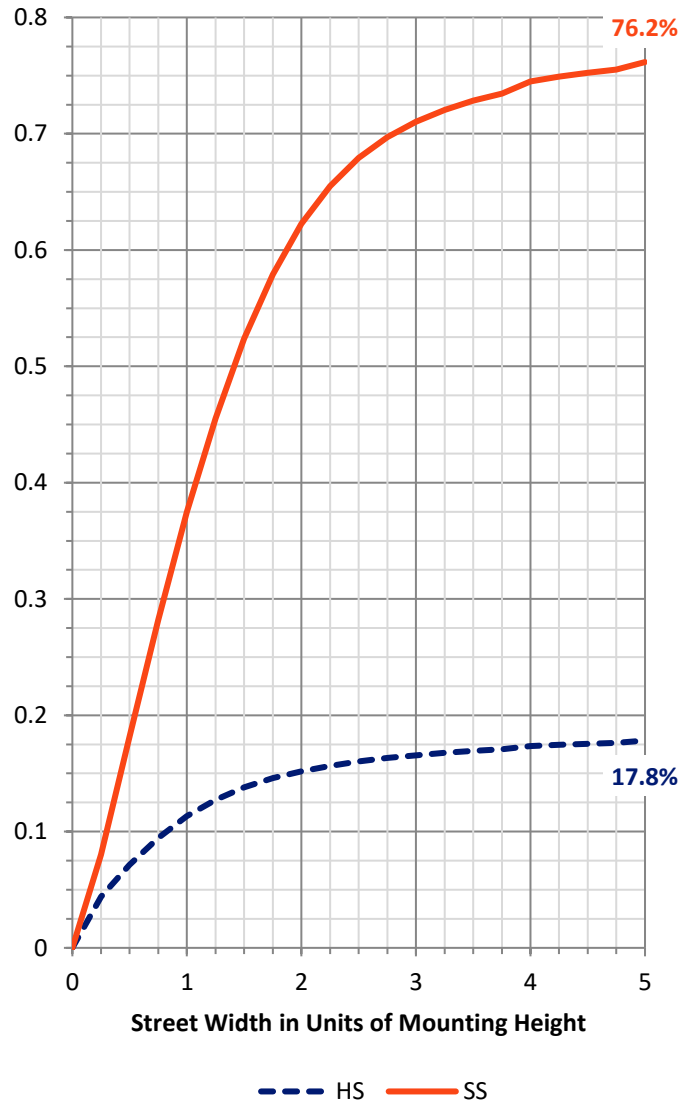
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	492.4	42.3	534.7
	% Fixture	18.7	1.6	20.3
Street Side	Lumens	2055.2	46.1	2101.2
	% Fixture	78.0	1.7	79.7
Total	Lumens	2547.6	88.3	2635.9
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.2
10°-20°	30.8	1.2
20°-30°	94.8	3.6
30°-40°	205.7	7.8
40°-50°	343.5	13.0
50°-60°	508.8	19.3
60°-70°	640.3	24.3
70°-80°	514.5	19.5
80°-90°	203.3	7.7
90°-100°	49.0	1.9
100°-110°	19.3	0.7
110°-120°	9.6	0.4
120°-130°	5.5	0.2
130°-140°	3.3	0.1
140°-150°	1.6	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2547.6	96.6
0°-180°	2635.9	100.0

Coefficient of Utilization

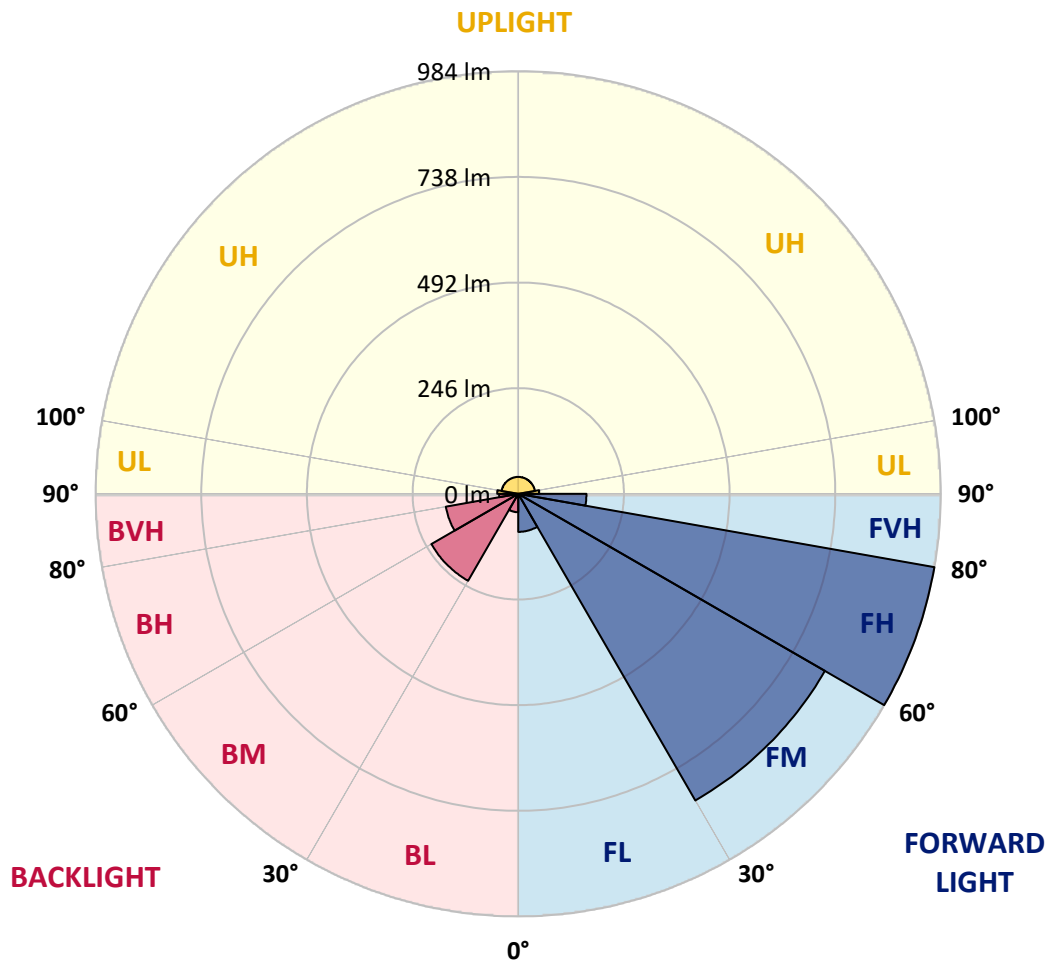


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.6	3.4			
FM (30°-60°)	824.2	31.3			
FH (60°-80°)	983.6	37.3			G1/1800
FVH (80°-90°)	158.7	6.0			G2/225
BL (0°-30°)	42.9	1.6	B0/110		
BM (30°-60°)	233.7	8.9	B1/1000		
BH (60°-80°)	171.2	6.5	B1/500		G1/500
BVH (80°-90°)	44.6	1.7			G1/100
UL (90°-100°)	49.0	1.9		U2/50	
UH (100°-180°)	39.3	1.5		U2/50	

BUG Rating: B1-U2-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2.5°	58.0	58.0	58.0	58.0	58.0	57.0	56.0	56.0	55.0	55.0	54.0
5°	69.0	69.0	68.0	68.0	67.0	66.0	65.0	63.0	62.0	61.0	59.0
7.5°	82.0	81.0	80.0	80.0	80.0	78.0	76.0	74.0	72.0	70.0	67.0
10°	98.0	97.0	97.0	96.0	95.0	94.0	92.0	89.0	86.0	85.0	80.0
12.5°	117.0	116.0	117.0	116.0	113.0	113.0	112.0	108.0	106.0	104.0	97.0
15°	141.0	141.0	141.0	138.0	137.0	135.0	136.0	133.0	131.0	129.0	120.0
17.5°	171.0	171.0	169.0	166.0	162.0	162.0	163.0	163.0	164.0	158.0	146.0
20°	205.0	208.0	202.0	196.0	191.0	192.0	194.0	200.0	200.0	194.0	180.0
22.5°	249.0	246.0	243.0	231.0	223.0	221.0	229.0	239.0	240.0	239.0	217.0
25°	295.0	294.0	284.0	271.0	257.0	255.0	268.0	284.0	288.0	286.0	260.0
27.5°	344.1	344.1	334.1	311.1	291.0	288.0	304.1	332.1	341.1	342.1	306.1
30°	408.1	402.1	388.1	357.1	331.1	322.1	345.1	385.1	401.1	402.1	356.1
32.5°	463.1	463.1	443.1	408.1	370.1	355.1	383.1	442.1	463.1	461.1	405.1
35°	525.1	520.1	498.1	455.1	408.1	389.1	423.1	499.1	526.1	526.1	452.1
37.5°	582.1	576.1	556.1	505.1	447.1	422.1	465.1	556.1	599.1	599.1	494.1
40°	638.1	637.1	612.1	554.1	488.1	454.1	506.1	621.1	672.1	668.1	538.1
42.5°	701.1	697.1	667.1	605.1	528.1	489.1	549.1	689.1	751.1	745.1	580.1
45°	768.1	759.1	725.1	658.1	565.1	525.1	594.1	756.1	831.1	833.1	627.1
47.5°	829.1	827.1	792.1	713.1	613.1	563.1	643.1	840.1	921.2	916.2	671.1
50°	899.1	895.1	853.1	767.1	657.1	607.1	698.1	923.2	1022.2	1017.2	729.1
52.5°	968.2	960.2	916.2	824.1	708.1	655.1	760.1	1014.2	1126.2	1115.2	787.1
55°	1027.2	1024.2	968.2	881.1	764.1	706.1	834.1	1114.2	1234.2	1229.2	850.1
57.5°	1075.2	1069.2	1017.2	931.2	815.1	775.1	920.2	1214.2	1347.2	1335.2	917.2
60°	1090.2	1084.2	1032.2	965.2	863.1	846.1	1017.2	1326.2	1462.2	1446.2	984.2
62.5°	1058.2	1052.2	1011.2	968.2	898.1	914.2	1124.2	1445.2	1574.3	1558.3	1049.2
65°	954.2	951.2	935.2	927.2	904.1	967.2	1238.2	1550.3	1670.3	1643.3	1102.2
67.5°	798.1	802.1	804.1	834.1	867.1	997.2	1318.2	1646.3	1743.3	1705.3	1120.2
70°	614.1	607.1	641.1	697.1	779.1	978.2	1361.2	1699.3	1770.3	1709.3	1108.2
72.5°	437.1	438.1	476.1	550.1	667.1	916.2	1353.2	1680.3	1723.3	1652.3	1051.2
75°	302.0	300.0	329.1	402.1	532.1	800.1	1256.2	1591.3	1587.3	1516.2	929.2
77.5°	203.0	209.0	230.0	285.0	404.1	667.1	1106.2	1382.2	1368.2	1279.2	783.1
80°	143.0	141.0	163.0	204.0	282.0	518.1	897.1	1129.2	1112.2	1005.2	611.1
82.5°	96.0	101.0	115.0	141.0	202.0	382.1	680.1	836.1	817.1	730.1	428.1
85°	63.0	65.0	78.0	99.0	140.0	263.0	465.1	564.1	530.1	476.1	280.0
87.5°	40.0	42.0	52.0	68.0	97.0	177.0	309.1	348.1	322.1	300.0	170.0
90°	24.0	26.0	34.0	47.0	67.0	119.0	187.0	202.0	180.0	164.0	103.0
92.5°	17.0	18.0	24.0	34.0	49.0	80.0	116.0	116.0	106.0	91.0	65.0
95°	12.0	13.0	18.0	26.0	37.0	55.0	73.0	69.0	61.0	57.0	44.0
97.5°	10.0	10.0	15.0	21.0	30.0	42.0	48.0	44.0	41.0	38.0	33.0
100°	8.0	9.0	13.0	18.0	25.0	32.0	35.0	32.0	29.0	28.0	25.0
102.5°	7.0	8.0	11.0	16.0	21.0	26.0	27.0	24.0	23.0	21.0	19.0
105°	6.0	7.0	9.0	14.0	18.0	22.0	22.0	20.0	18.0	17.0	15.0
107.5°	6.0	6.0	8.0	12.0	16.0	18.0	19.0	16.0	14.0	13.0	12.0
110°	5.0	5.0	7.0	10.0	14.0	16.0	16.0	13.0	11.0	10.0	9.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	5.0	5.0	7.0	9.0	12.0	14.0	13.0	11.0	9.0	8.0	8.0
115°	5.0	5.0	6.0	8.0	11.0	12.0	11.0	9.0	8.0	7.0	7.0
117.5°	4.0	5.0	6.0	8.0	10.0	11.0	10.0	8.0	7.0	6.0	6.0
120°	4.0	4.0	5.0	7.0	8.0	9.0	9.0	7.0	6.0	5.0	6.0
122.5°	4.0	4.0	5.0	6.0	8.0	8.0	8.0	6.0	5.0	5.0	5.0
125°	4.0	4.0	5.0	6.0	7.0	7.0	7.0	5.0	5.0	4.0	5.0
127.5°	4.0	4.0	4.0	5.0	6.0	7.0	6.0	5.0	4.0	4.0	5.0
130°	4.0	4.0	4.0	5.0	6.0	6.0	5.0	4.0	4.0	4.0	4.0
132.5°	4.0	4.0	4.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0
135°	4.0	4.0	4.0	4.0	5.0	5.0	4.0	4.0	3.0	3.0	4.0
137.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	4.0
140°	4.0	3.0	3.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	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	2.0	3.0
147.5°	2.0	2.0	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	1.0	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°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2.5°	53.0	53.0	52.0	51.0	50.0	49.0	49.0	49.0	49.0	48.0	48.0
5°	57.0	56.0	54.0	52.0	50.0	48.0	47.0	46.0	45.0	45.0	44.0
7.5°	65.0	63.0	59.0	55.0	52.0	49.0	47.0	45.0	44.0	43.0	43.0
10°	77.0	74.0	67.0	61.0	56.0	51.0	48.0	46.0	45.0	44.0	44.0
12.5°	92.0	88.0	78.0	69.0	61.0	55.0	52.0	49.0	48.0	47.0	47.0
15°	114.0	106.0	93.0	80.0	69.0	61.0	57.0	56.0	55.0	55.0	55.0
17.5°	138.0	129.0	109.0	91.0	77.0	69.0	65.0	64.0	65.0	65.0	65.0
20°	167.0	154.0	127.0	104.0	87.0	79.0	76.0	75.0	77.0	78.0	79.0
22.5°	201.0	181.0	145.0	117.0	99.0	90.0	86.0	87.0	90.0	93.0	93.0
25°	239.0	214.0	165.0	130.0	111.0	101.0	98.0	102.0	106.0	110.0	111.0
27.5°	276.0	244.0	185.0	144.0	123.0	111.0	111.0	115.0	125.0	129.0	131.0
30°	315.1	272.0	201.0	158.0	135.0	122.0	123.0	132.0	143.0	149.0	151.0
32.5°	350.1	298.0	214.0	170.0	145.0	133.0	134.0	146.0	161.0	169.0	170.0
35°	385.1	317.1	225.0	181.0	154.0	141.0	145.0	161.0	177.0	186.0	187.0
37.5°	411.1	332.1	230.0	188.0	162.0	147.0	153.0	173.0	191.0	199.0	200.0
40°	435.1	341.1	232.0	193.0	167.0	153.0	160.0	183.0	201.0	209.0	209.0
42.5°	453.1	344.1	231.0	195.0	171.0	156.0	165.0	190.0	208.0	214.0	215.0
45°	472.1	347.1	227.0	195.0	172.0	158.0	167.0	193.0	211.0	215.0	215.0
47.5°	492.1	349.1	222.0	193.0	171.0	158.0	169.0	195.0	211.0	213.0	213.0
50°	520.1	354.1	216.0	189.0	169.0	157.0	169.0	195.0	209.0	207.0	207.0
52.5°	546.1	361.1	210.0	185.0	166.0	155.0	168.0	194.0	205.0	200.0	200.0
55°	578.1	366.1	203.0	179.0	162.0	152.0	165.0	190.0	199.0	193.0	192.0
57.5°	614.1	376.1	197.0	172.0	157.0	149.0	162.0	186.0	193.0	184.0	183.0
60°	651.1	384.1	190.0	166.0	152.0	144.0	157.0	180.0	185.0	176.0	175.0
62.5°	679.1	391.1	183.0	160.0	147.0	139.0	152.0	173.0	177.0	168.0	167.0
65°	703.1	394.1	175.0	153.0	141.0	134.0	146.0	165.0	168.0	160.0	159.0
67.5°	709.1	388.1	165.0	145.0	134.0	128.0	138.0	156.0	160.0	153.0	151.0
70°	694.1	372.1	156.0	138.0	128.0	121.0	130.0	146.0	150.0	144.0	144.0
72.5°	649.1	345.1	145.0	129.0	120.0	113.0	121.0	135.0	140.0	137.0	135.0
75°	579.1	304.1	132.0	120.0	111.0	105.0	111.0	124.0	129.0	128.0	128.0
77.5°	479.1	259.0	118.0	108.0	102.0	96.0	102.0	112.0	118.0	119.0	118.0
80°	369.1	205.0	102.0	96.0	92.0	87.0	92.0	101.0	106.0	108.0	107.0
82.5°	266.0	156.0	86.0	84.0	81.0	79.0	81.0	88.0	95.0	96.0	96.0
85°	184.0	113.0	72.0	72.0	70.0	69.0	71.0	76.0	81.0	83.0	83.0
87.5°	119.0	81.0	58.0	60.0	61.0	60.0	61.0	63.0	68.0	70.0	69.0
90°	78.0	58.0	48.0	50.0	52.0	52.0	51.0	52.0	57.0	58.0	58.0
92.5°	52.0	44.0	41.0	42.0	44.0	45.0	44.0	44.0	47.0	48.0	47.0
95°	39.0	36.0	35.0	36.0	38.0	38.0	38.0	37.0	39.0	40.0	39.0
97.5°	30.0	29.0	30.0	31.0	33.0	33.0	33.0	32.0	33.0	33.0	32.0
100°	24.0	24.0	26.0	27.0	28.0	28.0	28.0	28.0	28.0	26.0	26.0
102.5°	19.0	20.0	22.0	24.0	24.0	25.0	24.0	24.0	23.0	22.0	21.0
105°	16.0	16.0	19.0	20.0	21.0	21.0	21.0	20.0	19.0	17.0	17.0
107.5°	12.0	13.0	16.0	17.0	18.0	18.0	18.0	17.0	16.0	14.0	14.0
110°	10.0	11.0	13.0	15.0	16.0	16.0	16.0	15.0	13.0	11.0	11.0

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CANDELA DISTRIBUTION (continued):

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