

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: P694959

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T2U-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-827-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2784 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

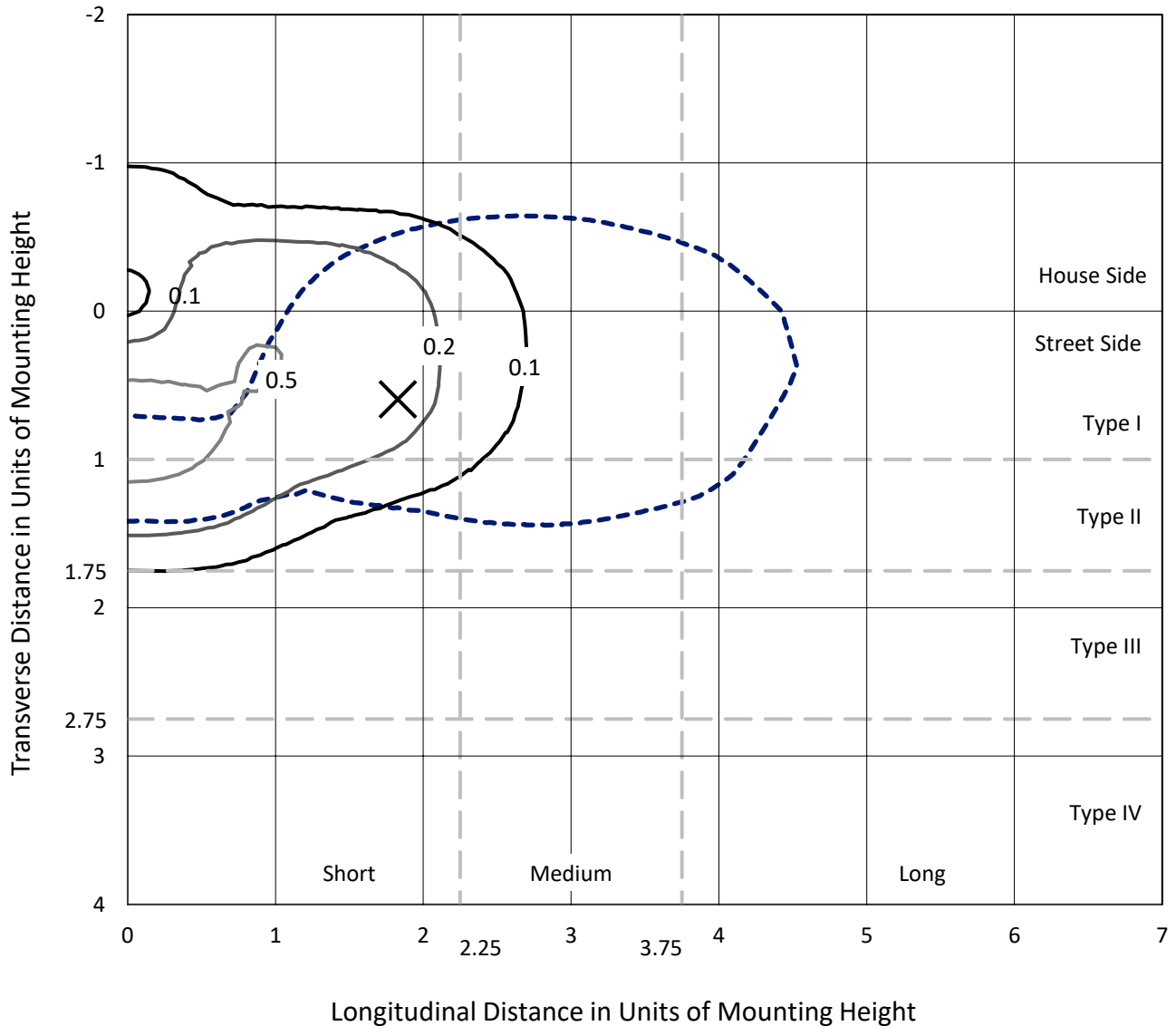
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

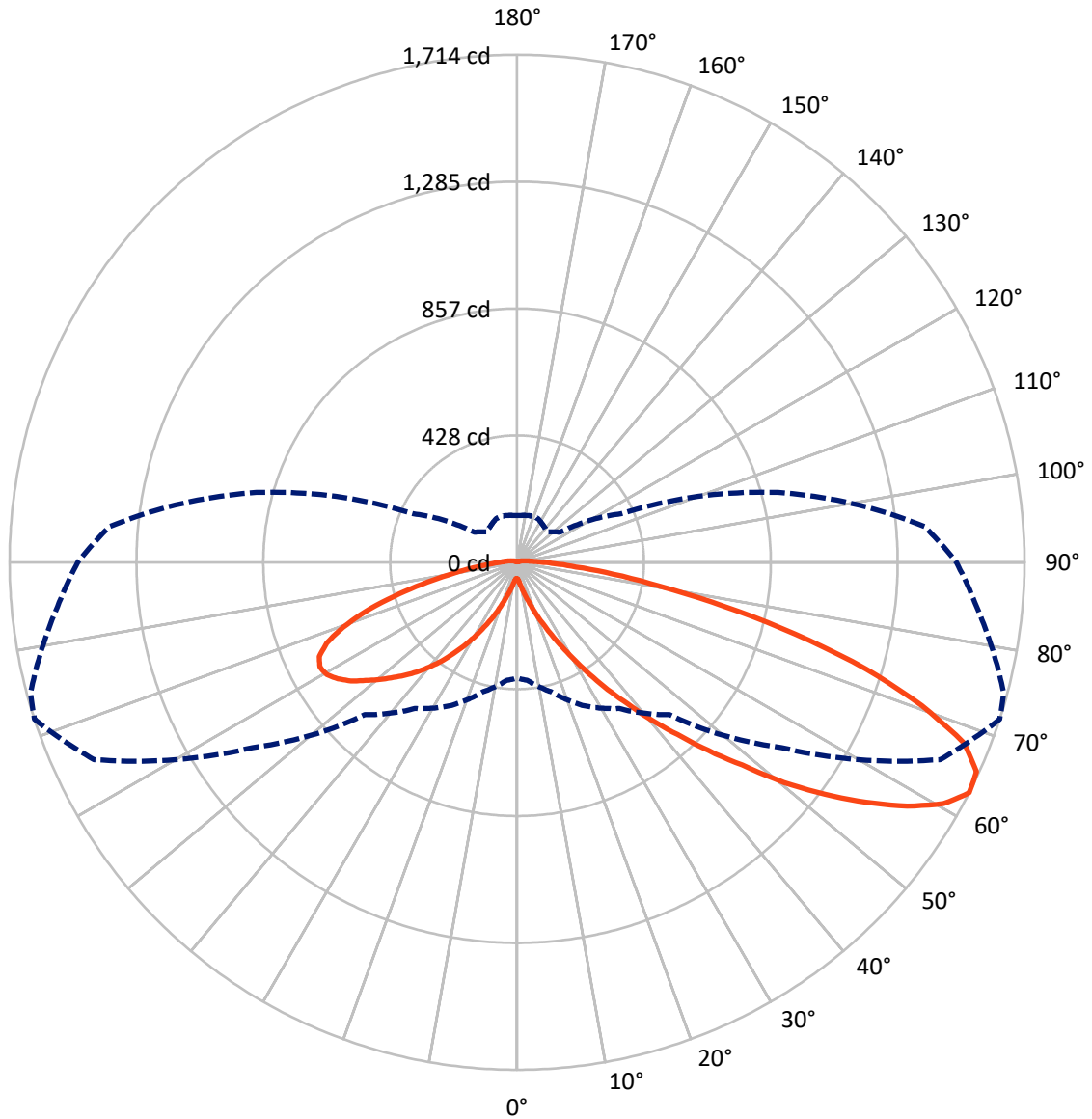
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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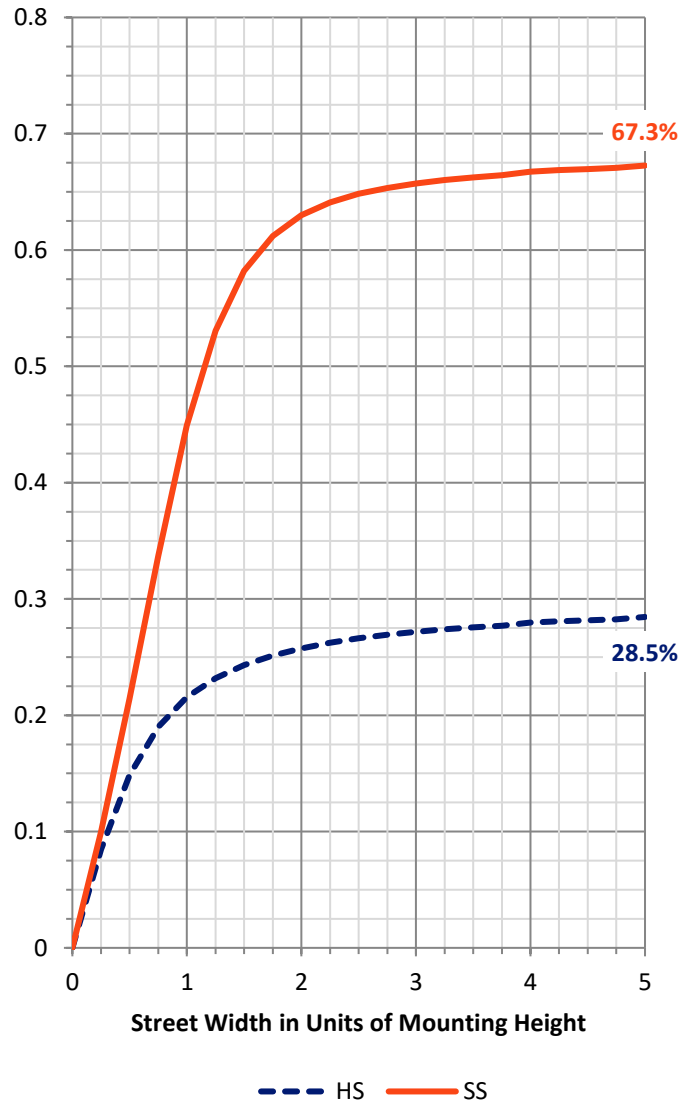
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	816.3	41.6	857.8
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	1892.5	33.7	1926.2
	% Fixture	68.0	1.2	69.2
Total	Lumens	2708.8	75.2	2784.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.2
10°-20°	35.2	1.3
20°-30°	116.0	4.2
30°-40°	277.2	10.0
40°-50°	492.9	17.7
50°-60°	651.7	23.4
60°-70°	626.1	22.5
70°-80°	380.0	13.7
80°-90°	123.3	4.4
90°-100°	37.9	1.4
100°-110°	17.7	0.6
110°-120°	9.2	0.3
120°-130°	5.4	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°	2708.8	97.3
0°-180°	2784.0	100.0

Coefficient of Utilization

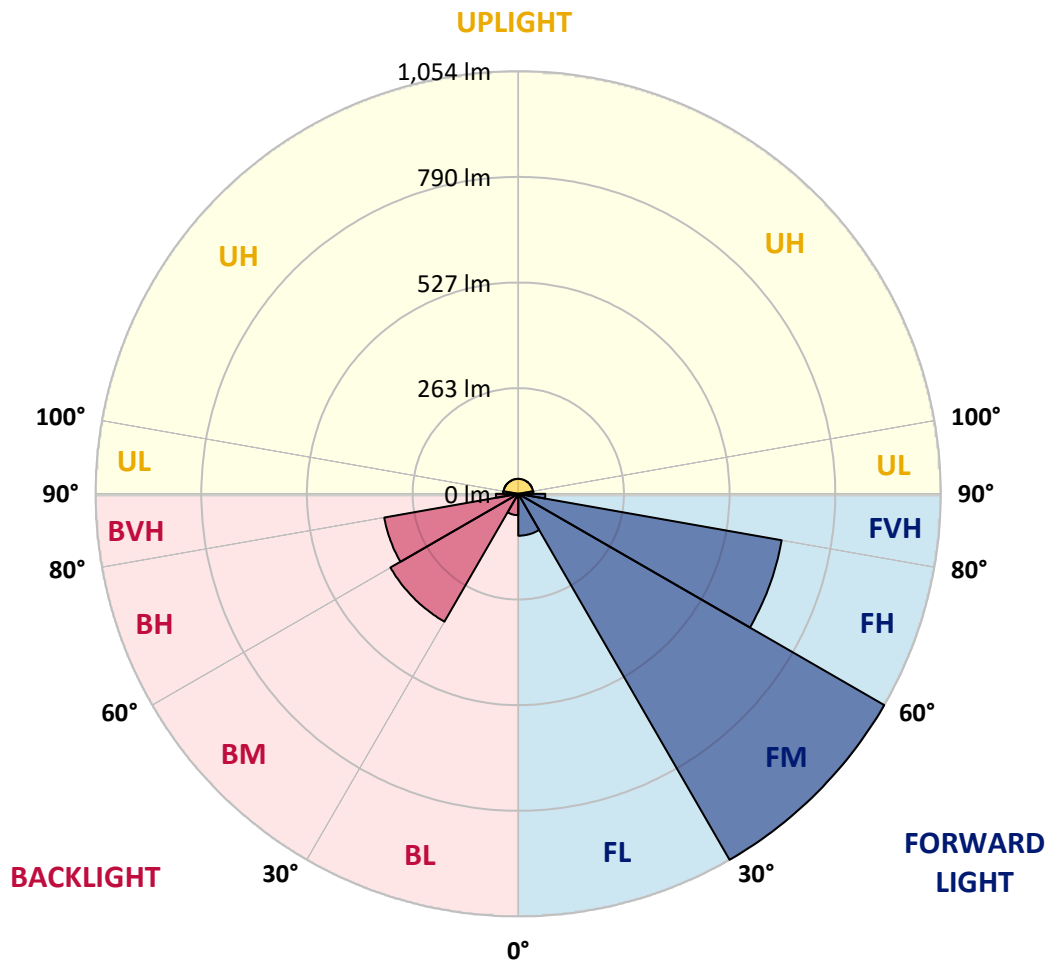


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	104.4	3.8			
FM (30°-60°)	1053.7	37.8			
FH (60°-80°)	666.9	24.0			G1/1800
FVH (80°-90°)	67.5	2.4			G1/100
BL (0°-30°)	53.2	1.9	B0/110		
BM (30°-60°)	368.0	13.2	B1/1000		
BH (60°-80°)	339.2	12.2	B1/500		G1/500
BVH (80°-90°)	55.8	2.0			G1/100
UL (90°-100°)	37.9	1.4		U2/50	
UH (100°-180°)	37.3	1.3		U2/50	

BUG Rating: B1-U2-G1
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
2.5°	61.4	62.4	61.4	62.4	61.4	60.5	60.5	58.5	58.5	57.5	56.6
5°	73.2	74.1	74.1	73.2	71.2	70.2	67.3	66.3	64.4	63.4	61.4
7.5°	89.7	88.8	89.7	86.8	85.8	83.9	80.0	77.1	74.1	73.2	70.2
10°	111.2	110.2	109.2	107.3	104.4	100.5	96.6	90.7	88.8	87.8	82.9
12.5°	136.6	138.5	135.6	132.7	127.8	122.9	116.1	109.2	106.3	105.3	97.5
15°	173.6	173.6	169.7	164.8	155.1	147.3	140.5	133.6	128.8	126.8	120.0
17.5°	220.4	217.5	212.6	200.9	192.2	179.5	171.7	160.9	156.1	155.1	146.3
20°	272.1	274.1	263.4	248.7	232.1	216.5	204.8	194.1	189.2	188.3	177.5
22.5°	340.4	340.4	325.8	306.3	279.0	257.5	243.8	233.1	226.3	222.4	215.6
25°	419.4	419.4	402.8	364.8	335.5	306.3	286.8	275.1	272.1	268.2	258.5
27.5°	514.0	517.0	485.7	447.7	394.1	358.9	335.5	328.7	322.9	324.8	305.3
30°	623.3	618.4	585.2	526.7	465.3	419.4	396.0	386.3	382.4	383.3	365.8
32.5°	727.6	719.8	689.6	622.3	540.4	488.7	462.3	454.5	451.6	447.7	426.2
35°	848.6	841.8	798.8	716.9	626.2	558.9	527.7	527.7	527.7	522.8	491.6
37.5°	965.6	953.0	906.1	816.4	711.1	635.0	608.6	612.5	606.7	599.9	564.8
40°	1059.3	1050.5	1005.6	913.9	797.9	717.9	692.5	698.4	701.3	691.6	642.8
42.5°	1125.6	1121.7	1085.6	999.8	875.9	799.8	790.1	796.9	794.9	784.2	730.6
45°	1157.8	1153.9	1130.5	1060.3	952.0	880.8	881.8	912.0	907.1	895.4	818.4
47.5°	1140.2	1145.1	1136.3	1092.4	999.8	949.1	976.4	1030.0	1023.2	1012.5	917.8
50°	1087.6	1085.6	1099.3	1083.7	1018.3	994.9	1069.0	1166.6	1168.5	1140.2	1032.0
52.5°	977.3	982.2	1021.2	1030.0	1002.7	1012.5	1147.1	1298.3	1302.2	1268.0	1141.2
55°	846.6	845.7	896.4	941.3	943.2	993.0	1191.9	1411.4	1430.9	1405.5	1258.3
57.5°	673.0	690.6	743.3	814.5	849.6	933.5	1207.5	1512.8	1553.8	1518.7	1363.6
60°	520.9	534.5	597.9	675.0	731.5	842.7	1168.5	1568.4	1655.2	1630.9	1476.7
62.5°	391.1	399.9	453.6	534.5	602.8	727.6	1090.5	1576.2	1713.8	1701.1	1551.9
65°	287.7	292.6	344.3	414.5	481.8	590.1	950.0	1509.9	1705.0	1713.8	1603.6
67.5°	208.7	216.5	254.6	317.0	374.6	473.1	796.9	1367.5	1627.9	1653.3	1585.0
70°	164.8	168.7	195.1	243.8	285.8	360.9	642.8	1171.4	1450.4	1508.0	1492.4
72.5°	132.7	134.6	155.1	192.2	219.5	274.1	485.7	947.1	1233.9	1300.2	1336.3
75°	109.2	111.2	127.8	153.1	174.6	204.8	356.0	716.9	969.5	1041.7	1119.8
77.5°	86.8	90.7	103.4	122.9	138.5	156.1	249.7	517.9	716.9	773.5	864.2
80°	69.3	71.2	82.9	98.5	110.2	122.9	183.4	343.3	484.8	555.0	623.3
82.5°	52.7	54.6	63.4	76.1	85.8	94.6	130.7	226.3	325.8	360.9	398.9
85°	38.0	38.0	46.8	57.5	66.3	75.1	95.6	147.3	199.0	219.5	245.8
87.5°	25.4	26.3	32.2	41.9	51.7	58.5	70.2	96.6	126.8	133.6	151.2
90°	17.6	18.5	22.4	30.2	39.0	45.8	52.7	66.3	80.0	86.8	99.5
92.5°	12.7	13.7	17.6	22.4	30.2	37.1	41.9	47.8	56.6	61.4	68.3
95°	9.8	10.7	13.7	18.5	24.4	30.2	34.1	37.1	42.9	45.8	50.7
97.5°	8.8	8.8	11.7	15.6	20.5	25.4	28.3	30.2	34.1	36.1	40.0
100°	7.8	7.8	9.8	13.7	17.6	21.5	23.4	24.4	27.3	28.3	31.2
102.5°	6.8	6.8	8.8	11.7	15.6	18.5	20.5	20.5	22.4	22.4	24.4
105°	5.9	5.9	7.8	10.7	13.7	16.6	17.6	17.6	17.6	18.5	18.5
107.5°	5.9	5.9	6.8	9.8	11.7	14.6	15.6	14.6	14.6	14.6	14.6
110°	4.9	4.9	6.8	8.8	10.7	12.7	12.7	12.7	11.7	11.7	11.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	4.9	4.9	5.9	7.8	9.8	10.7	11.7	10.7	9.8	9.8	9.8
115°	4.9	4.9	5.9	6.8	8.8	9.8	9.8	8.8	7.8	7.8	7.8
117.5°	3.9	4.9	4.9	6.8	7.8	8.8	8.8	7.8	6.8	6.8	6.8
120°	3.9	3.9	4.9	5.9	6.8	7.8	7.8	6.8	5.9	5.9	6.8
122.5°	3.9	3.9	4.9	5.9	6.8	6.8	6.8	5.9	5.9	5.9	5.9
125°	3.9	3.9	3.9	4.9	5.9	6.8	5.9	5.9	4.9	4.9	5.9
127.5°	3.9	3.9	3.9	4.9	5.9	5.9	5.9	4.9	4.9	4.9	4.9
130°	3.9	3.9	3.9	3.9	4.9	4.9	4.9	4.9	3.9	3.9	4.9
132.5°	3.9	3.9	3.9	3.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9
135°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.9	3.9	3.9
137.5°	3.9	3.9	2.9	3.9	3.9	3.9	3.9	2.9	2.9	2.9	3.9
140°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.9	2.9
145°	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.9	2.9	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	1.0	1.0	1.0	1.0	1.0	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°	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
2.5°	56.6	55.6	54.6	53.6	53.6	52.7	52.7	51.7	51.7	51.7	51.7
5°	60.5	59.5	57.5	55.6	53.6	52.7	50.7	49.7	49.7	48.8	48.8
7.5°	69.3	66.3	63.4	60.5	57.5	54.6	52.7	50.7	49.7	49.7	49.7
10°	80.0	78.0	72.2	68.3	64.4	60.5	57.5	54.6	52.7	52.7	51.7
12.5°	96.6	93.6	85.8	81.0	74.1	68.3	64.4	60.5	58.5	57.5	57.5
15°	116.1	112.2	105.3	95.6	86.8	79.0	73.2	70.2	68.3	67.3	67.3
17.5°	142.4	136.6	125.8	114.1	102.4	91.7	85.8	81.0	78.0	79.0	79.0
20°	173.6	166.8	152.2	136.6	120.0	108.3	98.5	93.6	91.7	91.7	91.7
22.5°	207.8	200.0	184.3	162.9	141.4	124.9	112.2	106.3	106.3	106.3	106.3
25°	252.6	239.0	219.5	191.2	162.9	139.5	125.8	120.9	120.9	121.9	122.9
27.5°	295.5	286.8	257.5	221.4	185.3	155.1	137.5	132.7	135.6	137.5	138.5
30°	350.2	334.6	299.4	252.6	205.8	167.8	148.3	144.4	149.2	152.2	153.1
32.5°	410.6	389.2	344.3	286.8	224.3	177.5	156.1	154.1	159.0	163.9	163.9
35°	472.1	446.7	390.2	319.9	239.0	183.4	160.9	160.9	166.8	171.7	171.7
37.5°	539.4	505.3	439.9	348.2	250.7	186.3	163.9	164.8	171.7	174.6	175.6
40°	610.6	571.6	486.7	374.6	256.5	185.3	164.8	167.8	172.6	175.6	175.6
42.5°	684.7	640.8	537.4	394.1	257.5	183.4	163.9	167.8	172.6	173.6	173.6
45°	768.6	716.9	586.2	408.7	253.6	179.5	162.9	167.8	170.7	169.7	169.7
47.5°	861.3	797.9	633.0	420.4	245.8	174.6	161.9	167.8	168.7	166.8	165.8
50°	965.6	887.6	687.7	425.3	237.0	169.7	160.9	166.8	166.8	162.9	162.9
52.5°	1073.9	991.0	743.3	426.2	226.3	164.8	160.9	166.8	165.8	160.0	160.0
55°	1173.4	1092.4	802.8	425.3	214.6	159.0	159.0	166.8	164.8	159.0	159.0
57.5°	1301.2	1200.7	852.5	417.5	201.9	155.1	158.0	166.8	163.9	158.0	158.0
60°	1396.8	1300.2	891.5	406.7	190.2	149.2	156.1	165.8	162.9	158.0	158.0
62.5°	1483.6	1382.1	911.0	388.2	176.5	144.4	153.1	163.9	162.9	159.0	158.0
65°	1527.5	1417.2	903.2	359.9	163.9	138.5	150.2	161.9	160.9	158.0	158.0
67.5°	1516.7	1403.6	859.3	323.8	151.2	132.7	145.3	156.1	157.0	156.1	156.1
70°	1437.7	1312.9	776.4	279.0	139.5	124.9	139.5	150.2	151.2	151.2	152.2
72.5°	1283.6	1159.7	669.1	237.0	126.8	117.0	130.7	141.4	143.4	144.4	143.4
75°	1078.8	953.0	535.5	196.1	115.1	108.3	120.9	130.7	133.6	133.6	133.6
77.5°	830.1	728.6	403.8	157.0	103.4	98.5	110.2	119.0	120.9	121.9	120.9
80°	589.1	514.0	284.8	126.8	91.7	88.8	97.5	104.4	106.3	108.3	107.3
82.5°	384.3	343.3	200.0	100.5	79.0	77.1	84.9	89.7	91.7	91.7	90.7
85°	233.1	213.6	131.7	80.0	67.3	65.4	71.2	74.1	75.1	75.1	75.1
87.5°	145.3	131.7	92.7	64.4	56.6	55.6	58.5	59.5	62.4	61.4	60.5
90°	93.6	87.8	68.3	50.7	45.8	45.8	47.8	47.8	49.7	49.7	47.8
92.5°	67.3	64.4	52.7	41.9	38.0	39.0	40.0	39.0	40.0	40.0	40.0
95°	51.7	49.7	43.9	36.1	32.2	33.2	32.2	32.2	33.2	33.2	32.2
97.5°	41.0	41.0	36.1	30.2	28.3	27.3	28.3	27.3	28.3	27.3	26.3
100°	32.2	32.2	30.2	26.3	24.4	23.4	24.4	23.4	24.4	23.4	22.4
102.5°	25.4	26.3	25.4	22.4	21.5	20.5	20.5	20.5	20.5	19.5	19.5
105°	19.5	20.5	21.5	19.5	18.5	17.6	17.6	17.6	17.6	16.6	15.6
107.5°	15.6	16.6	17.6	16.6	16.6	15.6	15.6	15.6	14.6	13.7	13.7
110°	12.7	13.7	14.6	14.6	13.7	13.7	13.7	13.7	12.7	11.7	11.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.7	10.7	11.7	12.7	12.7	12.7	12.7	11.7	10.7	10.7	10.7
115°	8.8	9.8	10.7	10.7	10.7	10.7	10.7	9.8	9.8	8.8	8.8
117.5°	7.8	7.8	8.8	9.8	9.8	9.8	9.8	8.8	7.8	7.8	8.8
120°	6.8	6.8	7.8	8.8	8.8	8.8	8.8	7.8	6.8	7.8	7.8
122.5°	6.8	6.8	6.8	7.8	7.8	7.8	7.8	6.8	6.8	6.8	6.8
125°	5.9	5.9	6.8	6.8	6.8	6.8	6.8	5.9	5.9	6.8	6.8
127.5°	5.9	5.9	5.9	5.9	6.8	6.8	5.9	5.9	5.9	5.9	5.9
130°	4.9	4.9	5.9	5.9	5.9	5.9	5.9	4.9	4.9	5.9	5.9
132.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
135°	3.9	3.9	4.9	4.9	4.9	4.9	4.9	3.9	4.9	4.9	4.9
137.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9
140°	2.9	2.9	2.9	3.9	3.9	3.9	3.9	2.9	3.9	3.9	3.9
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9
145°	2.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9
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)