

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: P694946

Luminaire Tested: **LXF.LXT-PA16-30-827-U-SL3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)
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-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2581 lumens
Efficiency: N/A
Efficacy: 88.4 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 - U3 - G2

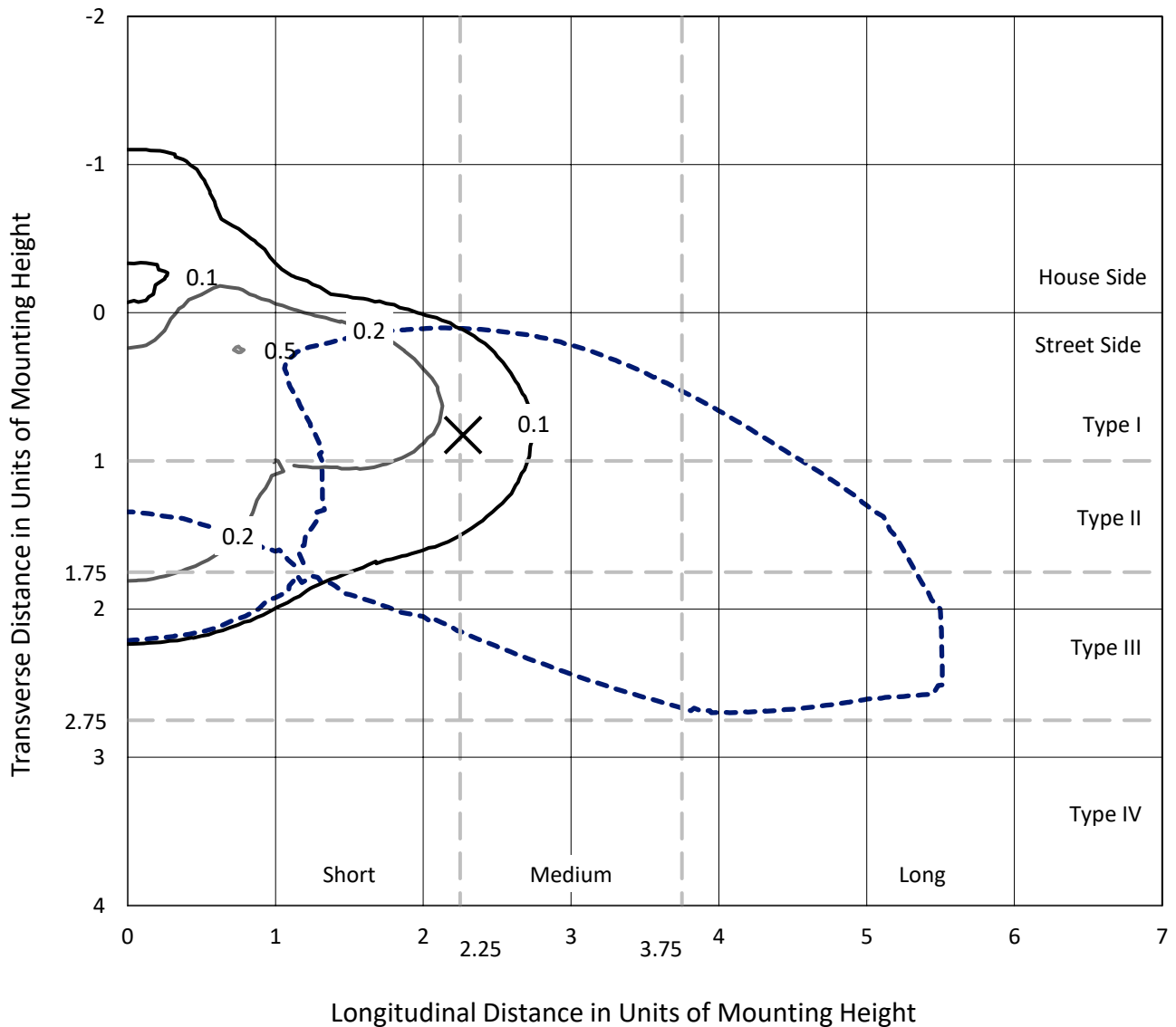
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

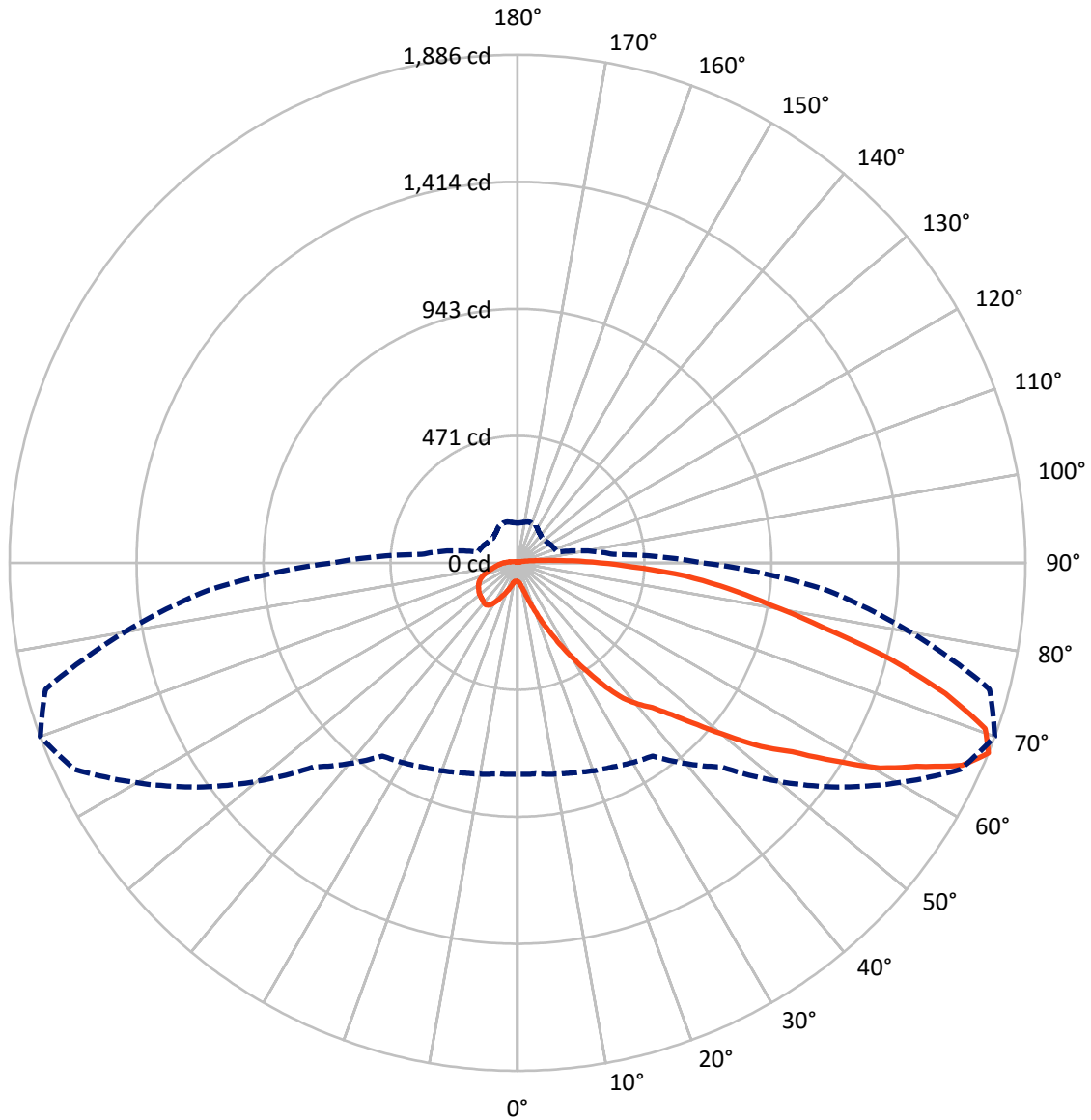
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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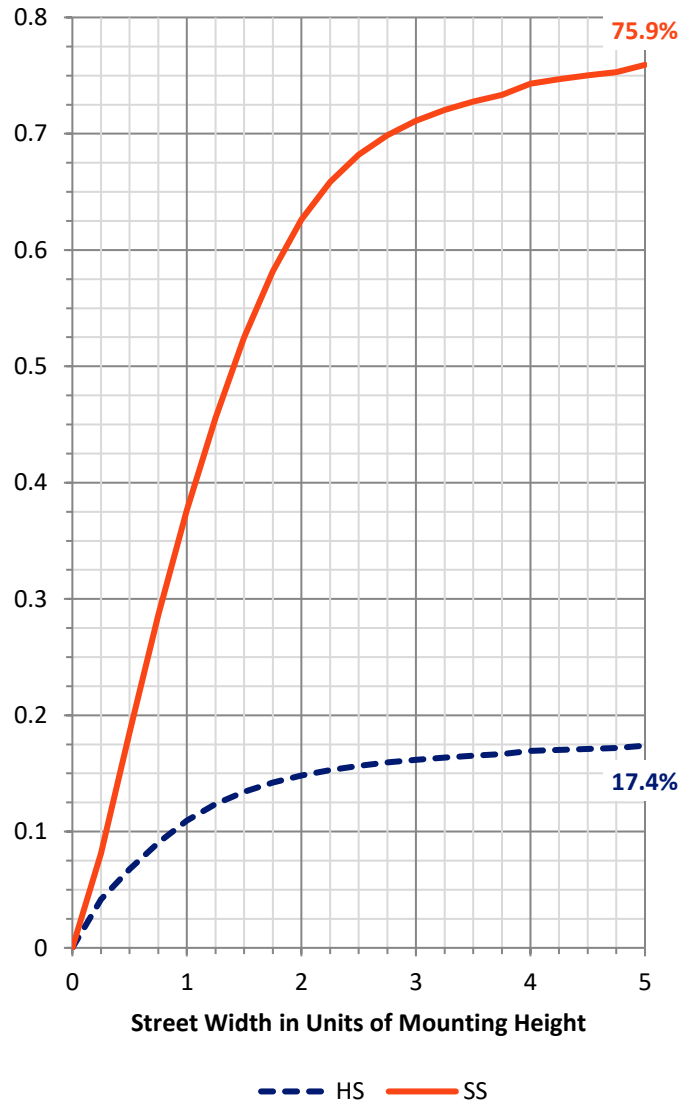
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	471.4	42.1	513.6
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	2013.6	53.8	2067.4
	% Fixture	78.0	2.1	80.1
Total	Lumens	2485.1	96.0	2581.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.3
10°-20°	31.5	1.2
20°-30°	93.1	3.6
30°-40°	203.4	7.9
40°-50°	320.2	12.4
50°-60°	495.2	19.2
60°-70°	661.8	25.6
70°-80°	468.3	18.1
80°-90°	204.5	7.9
90°-100°	57.5	2.2
100°-110°	18.4	0.7
110°-120°	9.0	0.3
120°-130°	5.5	0.2
130°-140°	3.6	0.1
140°-150°	1.7	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2485.1	96.3
0°-180°	2581.0	100.0

Coefficient of Utilization

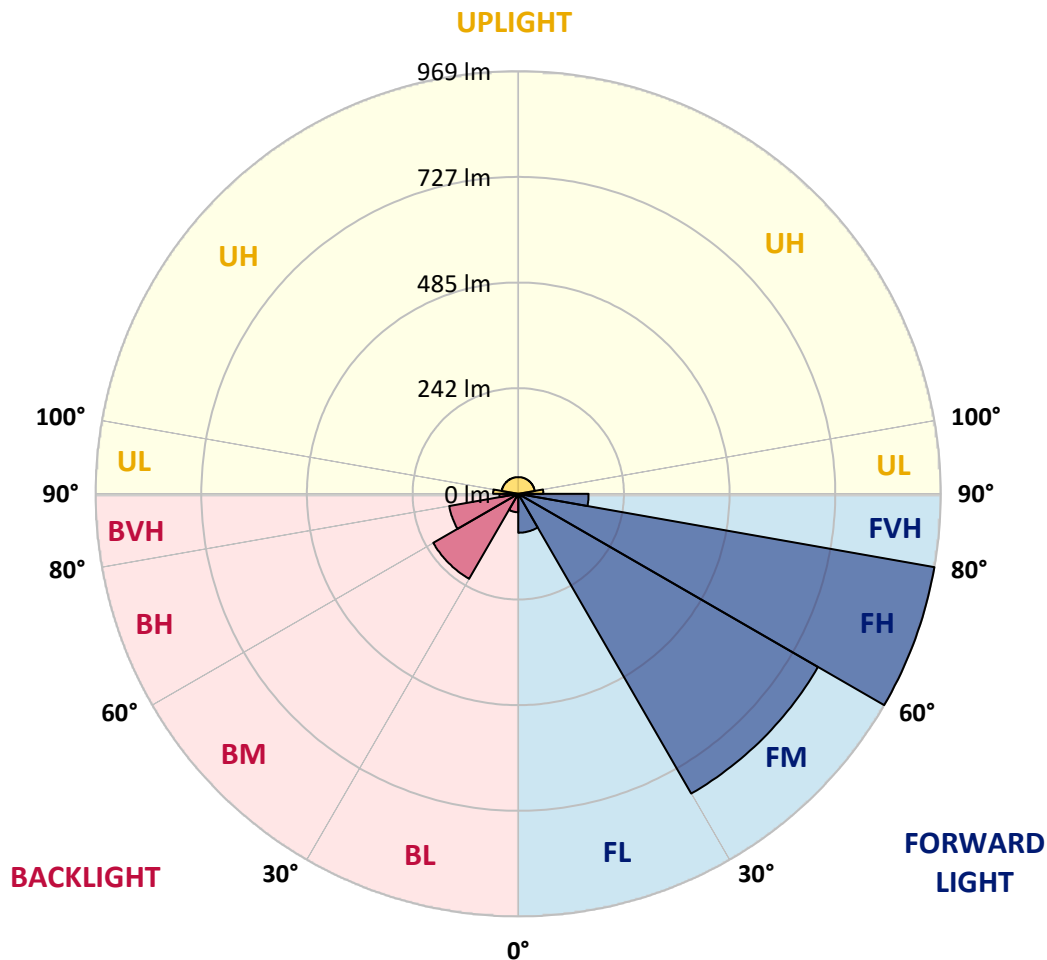


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.3	3.5			
FM (30°-60°)	793.7	30.8			
FH (60°-80°)	969.3	37.6			G1/1800
FVH (80°-90°)	161.3	6.2			G2/225
BL (0°-30°)	42.4	1.6	B0/110		
BM (30°-60°)	225.1	8.7	B1/1000		
BH (60°-80°)	160.8	6.2	B1/500		G1/500
BVH (80°-90°)	43.2	1.7			G1/100
UL (90°-100°)	57.5	2.2		U3/500	
UH (100°-180°)	38.4	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
2.5°	74.1	74.1	75.1	74.1	74.1	74.1	73.2	72.2	71.2	71.2	70.2
5°	81.9	81.9	81.9	81.9	81.0	80.0	79.0	77.1	76.1	75.1	73.2
7.5°	91.7	91.7	91.7	91.7	90.7	89.7	86.8	83.9	82.9	81.9	78.0
10°	106.3	106.3	106.3	104.4	103.4	101.4	98.5	95.6	93.6	91.7	85.8
12.5°	125.8	124.9	124.9	122.9	119.0	115.1	114.1	111.2	109.3	107.3	100.5
15°	150.2	150.2	150.2	145.3	141.4	137.5	136.6	133.6	133.6	130.7	121.9
17.5°	177.5	177.5	173.6	168.8	165.8	163.9	164.9	163.9	162.9	159.0	147.3
20°	207.8	206.8	201.9	195.1	191.2	193.1	196.1	199.0	198.0	193.1	176.6
22.5°	246.8	244.8	236.1	226.3	217.5	220.5	230.2	240.0	242.9	235.1	214.6
25°	288.7	288.7	276.1	261.4	250.7	249.7	263.4	290.7	292.6	291.7	262.4
27.5°	344.3	341.4	323.9	302.4	281.9	282.9	304.3	340.4	352.1	351.2	312.1
30°	404.8	403.8	383.4	352.1	317.0	312.1	347.3	401.9	416.5	422.4	369.7
32.5°	451.6	456.5	431.2	400.9	355.1	342.4	386.3	459.4	488.7	490.7	423.3
35°	504.3	504.3	479.9	441.9	388.2	371.6	426.3	521.9	566.7	570.6	478.0
37.5°	525.8	532.6	514.1	478.0	419.4	397.0	467.2	592.1	637.9	651.6	518.0
40°	554.1	559.9	539.4	500.4	444.8	423.3	502.4	644.8	689.6	696.5	530.6
42.5°	608.7	613.6	583.3	528.7	466.3	445.8	527.7	679.9	734.5	745.2	552.1
45°	664.3	669.2	641.9	577.5	493.6	467.2	552.1	737.4	803.8	813.5	584.3
47.5°	739.4	741.3	705.3	632.1	534.6	492.6	589.2	814.5	897.4	909.1	628.2
50°	821.3	824.3	777.4	695.5	581.4	535.5	641.9	902.3	1008.6	1027.2	691.6
52.5°	903.3	894.5	852.5	767.7	643.8	587.2	703.3	1014.5	1132.5	1143.2	750.1
55°	995.9	982.3	929.6	832.1	713.1	653.6	798.9	1122.8	1237.9	1245.7	814.5
57.5°	1092.5	1079.8	1012.5	903.3	783.3	748.2	904.2	1241.8	1385.1	1405.6	913.0
60°	1109.1	1102.3	1053.5	969.6	861.3	850.6	1033.0	1398.8	1547.1	1548.0	995.9
62.5°	1088.6	1085.7	1040.8	983.3	920.8	956.9	1204.7	1548.0	1664.1	1653.4	1070.1
65°	990.1	979.4	979.4	951.1	936.4	1053.5	1355.9	1689.5	1813.4	1780.2	1140.3
67.5°	785.2	786.2	806.7	836.0	875.0	1071.1	1451.5	1814.3	1885.6	1814.3	1148.1
70°	553.1	567.7	611.6	677.0	754.0	992.0	1456.4	1799.7	1841.7	1771.4	1097.4
72.5°	404.8	393.1	427.2	486.8	602.8	853.5	1331.5	1660.2	1662.2	1558.8	950.1
75°	274.1	275.1	299.5	351.2	438.0	694.5	1156.9	1437.8	1432.0	1313.0	792.1
77.5°	182.4	184.4	206.8	247.8	329.7	557.0	967.7	1189.1	1162.7	1081.8	635.0
80°	124.9	129.7	142.4	171.7	240.0	440.9	794.0	975.5	954.0	876.0	512.1
82.5°	89.7	90.7	103.4	125.8	171.7	337.5	646.7	818.4	789.1	705.3	408.7
85°	68.3	68.3	77.1	92.7	123.9	257.5	516.0	651.6	625.3	545.3	305.3
87.5°	49.7	50.7	56.6	70.2	91.7	195.1	396.0	468.2	426.3	376.5	209.7
90°	32.2	34.1	38.0	50.7	68.3	138.5	276.1	306.3	278.0	233.1	135.6
92.5°	20.5	20.5	24.4	34.1	49.7	94.6	173.6	181.4	157.0	142.4	82.9
95°	13.7	14.6	17.6	23.4	35.1	64.4	104.4	105.3	92.7	78.0	52.7
97.5°	11.7	11.7	13.7	17.6	26.3	43.9	61.5	59.5	53.7	47.8	37.1
100°	9.8	9.8	11.7	14.6	21.5	32.2	39.0	38.0	35.1	34.1	29.3
102.5°	8.8	8.8	9.8	12.7	17.6	25.4	28.3	26.3	25.4	25.4	22.4
105°	7.8	7.8	8.8	10.7	14.6	20.5	21.5	19.5	19.5	18.5	17.6
107.5°	6.8	6.8	7.8	8.8	12.7	16.6	16.6	14.6	14.6	14.6	14.6
110°	6.8	6.8	6.8	7.8	10.7	13.7	13.7	11.7	11.7	10.7	11.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	5.9	5.9	5.9	7.8	9.8	11.7	10.7	9.8	8.8	8.8	9.8
115°	5.9	4.9	5.9	6.8	8.8	9.8	9.8	7.8	7.8	7.8	8.8
117.5°	4.9	4.9	4.9	5.9	7.8	8.8	7.8	6.8	6.8	6.8	7.8
120°	4.9	4.9	4.9	5.9	7.8	7.8	6.8	5.9	5.9	5.9	6.8
122.5°	4.9	4.9	4.9	5.9	6.8	6.8	6.8	5.9	5.9	5.9	6.8
125°	4.9	4.9	4.9	5.9	6.8	6.8	5.9	4.9	4.9	4.9	6.8
127.5°	4.9	4.9	4.9	5.9	5.9	5.9	4.9	4.9	4.9	4.9	5.9
130°	4.9	4.9	4.9	5.9	5.9	4.9	4.9	4.9	4.9	4.9	5.9
132.5°	4.9	4.9	4.9	5.9	5.9	4.9	4.9	3.9	4.9	4.9	5.9
135°	4.9	4.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9	4.9	4.9
137.5°	4.9	4.9	4.9	4.9	4.9	3.9	2.9	3.9	3.9	3.9	4.9
140°	3.9	3.9	3.9	3.9	3.9	2.9	2.9	2.9	2.9	3.9	3.9
142.5°	3.9	3.9	3.9	3.9	2.9	2.9	2.0	2.9	2.9	2.9	3.9
145°	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.9	2.9
147.5°	2.9	2.9	2.9	2.9	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	1.0	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°	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
2.5°	70.2	69.3	69.3	68.3	67.3	67.3	67.3	67.3	66.3	66.3	66.3
5°	72.2	71.2	69.3	67.3	65.4	63.4	63.4	62.4	62.4	61.5	60.5
7.5°	76.1	74.1	70.2	67.3	64.4	61.5	60.5	59.5	58.5	57.6	57.6
10°	83.9	80.0	74.1	68.3	63.4	59.5	57.6	56.6	55.6	54.6	54.6
12.5°	95.6	91.7	81.9	72.2	64.4	59.5	56.6	55.6	54.6	54.6	54.6
15°	115.1	108.3	93.6	80.0	67.3	60.5	57.6	58.5	60.5	60.5	60.5
17.5°	137.5	128.8	107.3	88.8	73.2	65.4	63.4	65.4	67.3	68.3	68.3
20°	163.9	150.2	121.9	97.5	80.0	74.1	72.2	74.1	77.1	79.0	79.0
22.5°	197.0	175.6	137.5	106.3	88.8	82.9	81.9	83.9	87.8	91.7	90.7
25°	235.1	206.8	155.1	116.1	100.5	92.7	93.6	97.5	104.4	108.3	110.2
27.5°	277.0	239.0	172.7	129.7	111.2	103.4	105.3	112.2	122.9	129.7	129.7
30°	321.9	270.2	190.2	143.4	122.9	114.1	118.0	130.7	142.4	151.2	151.2
32.5°	365.8	300.4	203.9	159.0	135.6	124.9	130.7	147.3	162.9	172.7	173.6
35°	399.9	319.0	210.7	170.7	146.3	133.6	141.4	164.9	185.3	196.1	197.0
37.5°	419.4	324.8	211.7	179.5	155.1	141.4	152.2	179.5	201.9	212.6	212.6
40°	416.5	313.1	204.8	184.4	161.0	148.3	161.9	193.1	215.6	223.4	221.4
42.5°	422.4	308.2	200.0	182.4	162.9	152.2	167.8	200.0	218.5	221.4	219.5
45°	429.2	301.4	195.1	180.5	161.9	154.1	170.7	200.0	215.6	214.6	212.6
47.5°	447.7	300.4	192.2	179.5	161.0	153.1	170.7	199.0	210.7	205.8	203.9
50°	473.1	304.3	190.2	177.5	160.0	151.2	168.8	197.0	207.8	202.9	200.9
52.5°	496.5	306.3	186.3	175.6	159.0	150.2	167.8	197.0	205.8	196.1	193.1
55°	526.7	316.0	181.4	171.7	157.0	148.3	166.8	195.1	197.0	185.3	183.4
57.5°	582.3	334.6	177.5	166.8	154.1	147.3	164.9	188.3	191.2	180.5	177.5
60°	623.3	348.2	173.6	162.9	149.2	144.4	160.0	184.4	185.3	170.7	167.8
62.5°	659.4	358.0	166.8	158.0	146.3	141.4	155.1	175.6	172.7	160.0	159.0
65°	694.5	365.8	161.9	151.2	140.5	135.6	149.2	163.9	164.9	154.1	152.2
67.5°	687.7	358.0	152.2	143.4	133.6	128.8	138.5	156.1	157.0	149.2	147.3
70°	646.7	331.7	140.5	134.6	123.9	119.0	127.8	145.3	148.3	142.4	141.4
72.5°	559.9	286.8	124.9	121.9	113.2	108.3	117.1	131.7	136.6	131.7	129.7
75°	471.1	241.9	111.2	108.3	102.4	97.5	104.4	118.0	123.9	122.9	122.9
77.5°	377.5	194.1	98.5	96.6	91.7	87.8	93.6	105.3	113.2	114.1	112.2
80°	303.4	158.0	86.8	85.8	82.9	80.0	82.9	92.7	101.4	103.4	102.4
82.5°	243.9	131.7	77.1	77.1	74.1	72.2	74.1	82.9	93.6	97.5	96.6
85°	187.3	108.3	69.3	68.3	66.3	65.4	67.3	73.2	84.9	89.7	89.7
87.5°	136.6	85.8	61.5	59.5	58.5	58.5	59.5	65.4	76.1	80.0	79.0
90°	94.6	66.3	52.7	50.7	49.7	50.7	52.7	57.6	65.4	66.3	66.3
92.5°	64.4	50.7	43.9	41.9	41.9	43.9	45.8	49.7	54.6	53.7	52.7
95°	44.9	38.0	35.1	34.1	34.1	36.1	38.0	41.9	44.9	42.9	41.9
97.5°	33.2	30.2	29.3	28.3	27.3	30.2	31.2	33.2	36.1	35.1	34.1
100°	26.3	25.4	24.4	23.4	22.4	24.4	25.4	27.3	29.3	27.3	27.3
102.5°	21.5	21.5	20.5	19.5	19.5	20.5	21.5	22.4	23.4	22.4	21.5
105°	17.6	17.6	17.6	16.6	16.6	17.6	18.5	18.5	19.5	17.6	17.6
107.5°	14.6	14.6	15.6	14.6	14.6	15.6	15.6	15.6	15.6	14.6	14.6
110°	12.7	12.7	12.7	12.7	12.7	13.7	13.7	13.7	13.7	12.7	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	10.7	10.7	10.7	11.7	11.7	11.7	11.7	10.7	10.7
115°	8.8	9.8	9.8	9.8	9.8	9.8	10.7	9.8	9.8	9.8	9.8
117.5°	7.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
120°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.8	8.8
122.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	7.8	7.8	7.8
125°	6.8	6.8	6.8	6.8	5.9	5.9	6.8	6.8	6.8	6.8	6.8
127.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.8
130°	5.9	5.9	5.9	5.9	4.9	4.9	4.9	5.9	5.9	5.9	5.9
132.5°	5.9	5.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.9	5.9
135°	4.9	4.9	4.9	4.9	3.9	3.9	4.9	4.9	4.9	4.9	4.9
137.5°	4.9	4.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9	4.9
140°	3.9	3.9	3.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9	3.9
142.5°	3.9	2.9	2.9	2.9	2.0	2.0	2.9	3.9	3.9	3.9	3.9
145°	2.9	2.9	2.9	2.0	2.0	2.0	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	2.9	2.9	2.9	2.9
150°	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.9	2.9	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)