

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: P694949

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694949
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-PA16-30-827-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA 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: 2571 lumens
Efficiency: N/A
Efficacy: 88.0 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

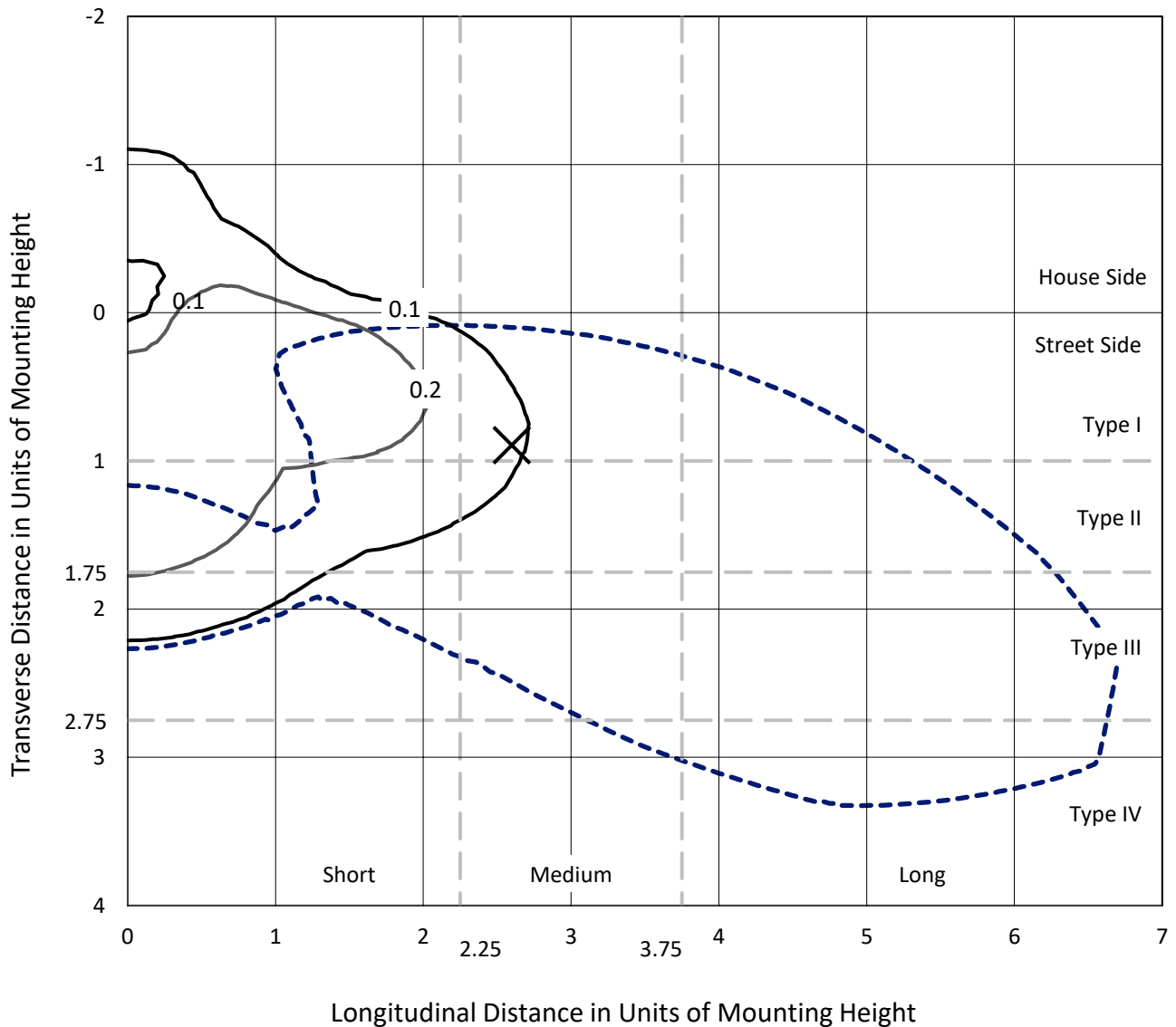
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

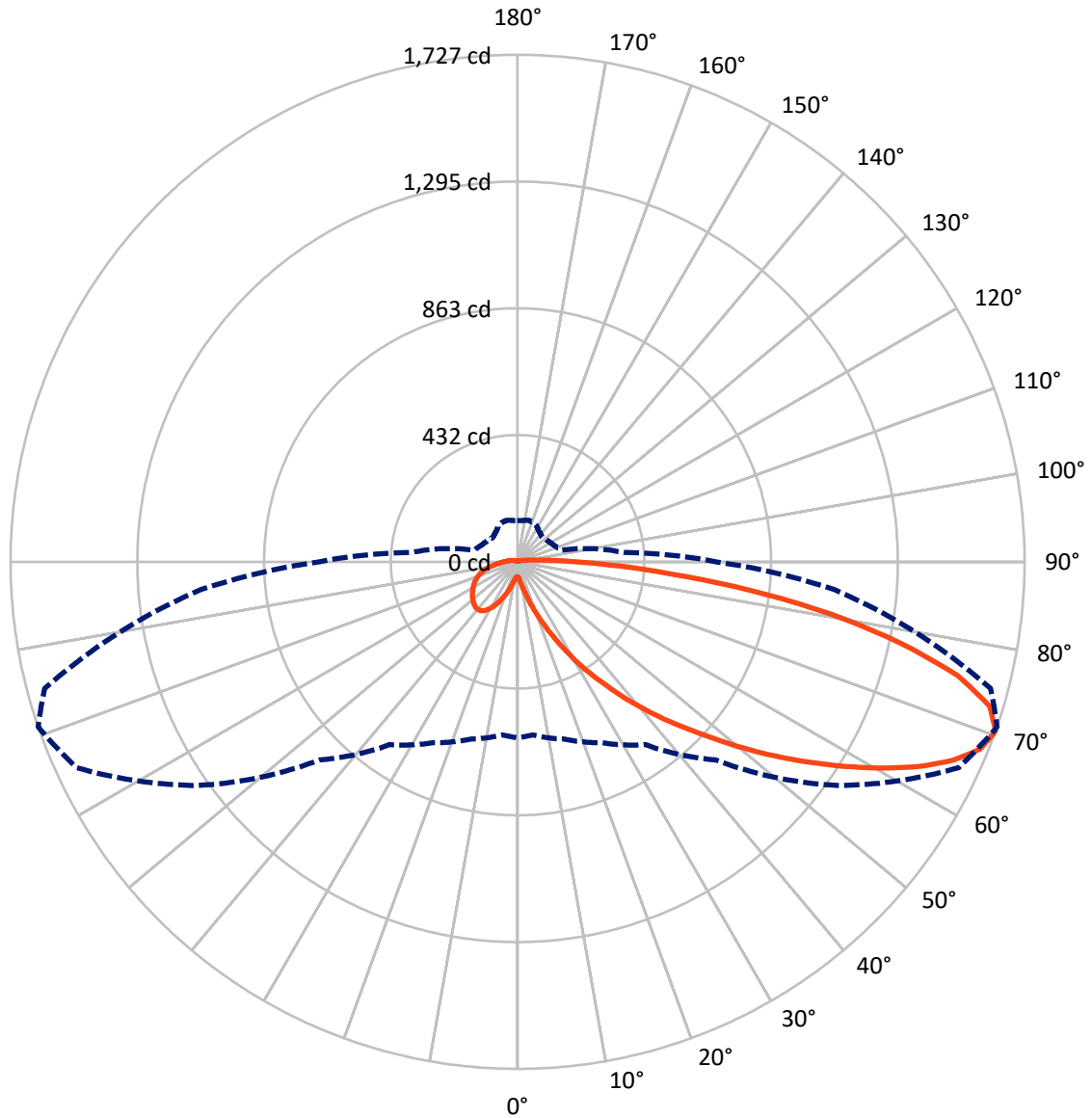
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type 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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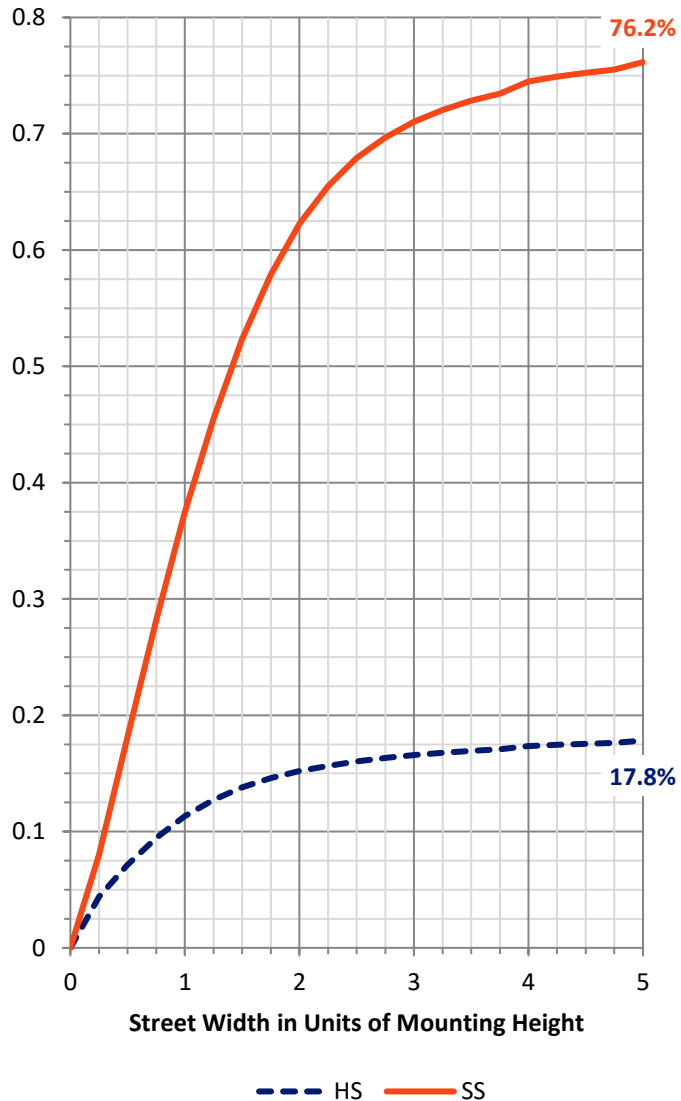
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	480.3	41.3	521.6
	% Fixture	18.7	1.6	20.3
Street Side	Lumens	2004.5	44.9	2049.5
	% Fixture	78.0	1.7	79.7
Total	Lumens	2484.8	86.2	2571.0
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.2
10°-20°	30.0	1.2
20°-30°	92.4	3.6
30°-40°	200.6	7.8
40°-50°	335.0	13.0
50°-60°	496.3	19.3
60°-70°	624.6	24.3
70°-80°	501.8	19.5
80°-90°	198.3	7.7
90°-100°	47.8	1.9
100°-110°	18.8	0.7
110°-120°	9.4	0.4
120°-130°	5.3	0.2
130°-140°	3.2	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°	2484.8	96.6
0°-180°	2571.0	100.0

Coefficient of Utilization

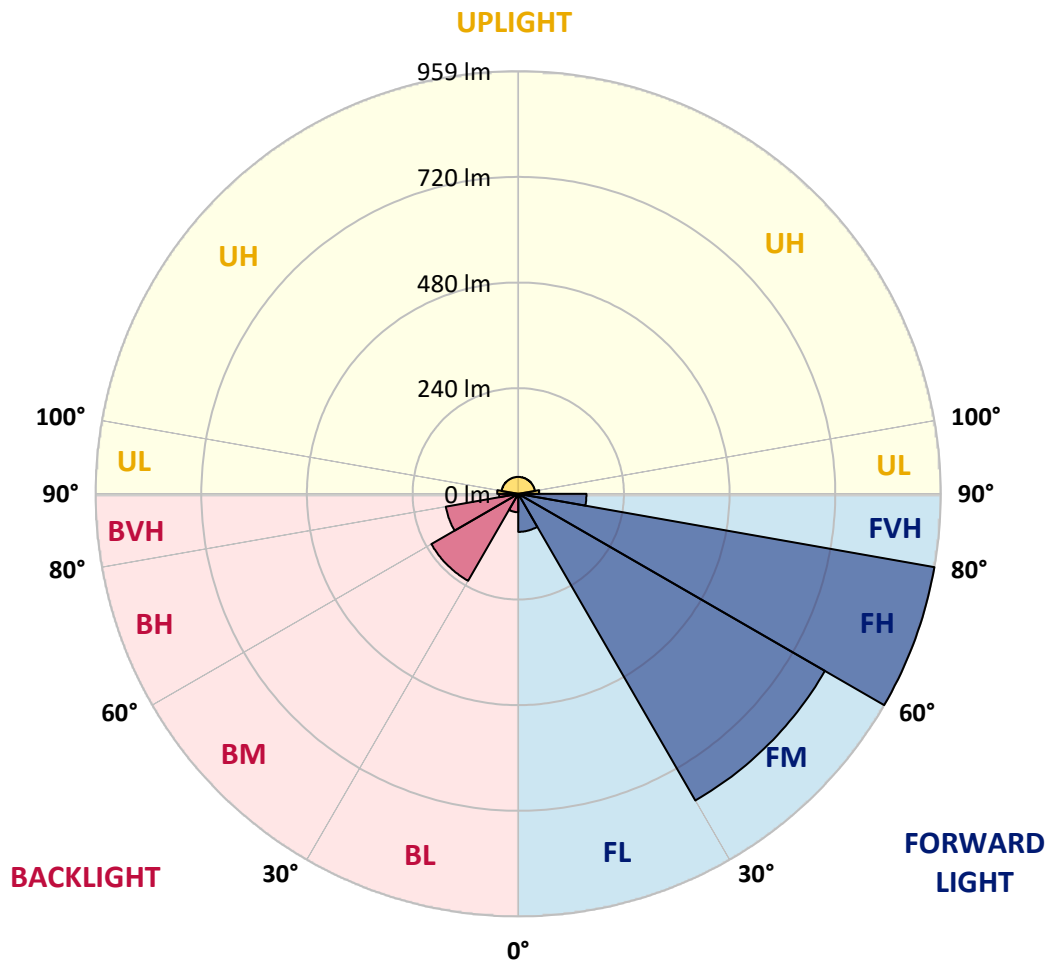


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	86.4	3.4			
FM (30°-60°)	803.9	31.3			
FH (60°-80°)	959.4	37.3			G1/1800
FVH (80°-90°)	154.8	6.0			G2/225
BL (0°-30°)	41.8	1.6	B0/110		
BM (30°-60°)	228.0	8.9	B1/1000		
BH (60°-80°)	167.0	6.5	B1/500		G1/500
BVH (80°-90°)	43.5	1.7			G1/100
UL (90°-100°)	47.8	1.9		U2/50	
UH (100°-180°)	38.4	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°	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
2.5°	56.6	56.6	56.6	56.6	56.6	55.6	54.6	54.6	53.7	53.7	52.7
5°	67.3	67.3	66.3	66.3	65.4	64.4	63.4	61.5	60.5	59.5	57.6
7.5°	80.0	79.0	78.0	78.0	78.0	76.1	74.1	72.2	70.2	68.3	65.4
10°	95.6	94.6	94.6	93.6	92.7	91.7	89.7	86.8	83.9	82.9	78.0
12.5°	114.1	113.2	114.1	113.2	110.2	110.2	109.3	105.4	103.4	101.5	94.6
15°	137.5	137.5	137.5	134.6	133.6	131.7	132.7	129.7	127.8	125.8	117.1
17.5°	166.8	166.8	164.9	161.9	158.0	158.0	159.0	159.0	160.0	154.1	142.4
20°	200.0	202.9	197.1	191.2	186.3	187.3	189.2	195.1	195.1	189.2	175.6
22.5°	242.9	240.0	237.0	225.3	217.5	215.6	223.4	233.1	234.1	233.1	211.7
25°	287.8	286.8	277.0	264.4	250.7	248.8	261.4	277.0	280.9	279.0	253.6
27.5°	335.6	335.6	325.8	303.4	283.9	280.9	296.6	323.9	332.6	333.6	298.5
30°	398.0	392.2	378.5	348.3	322.9	314.1	336.5	375.6	391.2	392.2	347.3
32.5°	451.7	451.7	432.1	398.0	360.9	346.3	373.6	431.2	451.7	449.7	395.1
35°	512.1	507.3	485.8	443.9	398.0	379.5	412.6	486.8	513.1	513.1	440.9
37.5°	567.7	561.9	542.4	492.6	436.0	411.7	453.6	542.4	584.3	584.3	481.9
40°	622.4	621.4	597.0	540.4	476.0	442.9	493.6	605.8	655.5	651.6	524.8
42.5°	683.8	679.9	650.7	590.2	515.1	477.0	535.6	672.1	732.6	726.7	565.8
45°	749.2	740.4	707.2	641.9	551.2	512.1	579.4	737.5	810.6	812.6	611.6
47.5°	808.7	806.7	772.6	695.5	598.0	549.2	627.2	819.4	898.4	893.6	654.6
50°	877.0	873.1	832.1	748.2	640.9	592.1	680.9	900.4	997.0	992.1	711.1
52.5°	944.3	936.5	893.6	803.8	690.7	639.0	741.4	989.2	1098.4	1087.7	767.7
55°	1001.8	998.9	944.3	859.4	745.3	688.7	813.6	1086.7	1203.8	1198.9	829.2
57.5°	1048.7	1042.8	992.1	908.2	795.0	756.0	897.5	1184.3	1314.0	1302.3	894.5
60°	1063.3	1057.4	1006.7	941.4	841.9	825.3	992.1	1293.5	1426.2	1410.6	959.9
62.5°	1032.1	1026.2	986.2	944.3	876.0	891.6	1096.5	1409.6	1535.4	1519.8	1023.3
65°	930.6	927.7	912.1	904.3	881.9	943.3	1207.7	1512.0	1629.1	1602.7	1075.0
67.5°	778.5	782.4	784.3	813.6	845.8	972.6	1285.7	1605.7	1700.3	1663.2	1092.6
70°	599.0	592.1	625.3	679.9	759.9	954.0	1327.7	1657.4	1726.6	1667.1	1080.9
72.5°	426.3	427.3	464.3	536.5	650.7	893.6	1319.9	1638.8	1680.8	1611.5	1025.3
75°	294.6	292.7	320.9	392.2	519.0	780.4	1225.2	1552.0	1548.1	1478.9	906.2
77.5°	198.0	203.9	224.4	278.0	394.1	650.7	1078.9	1348.1	1334.5	1247.7	763.8
80°	139.5	137.5	159.0	199.0	275.1	505.3	875.0	1101.3	1084.8	980.4	596.0
82.5°	93.6	98.5	112.2	137.5	197.1	372.6	663.3	815.5	797.0	712.1	417.5
85°	61.5	63.4	76.1	96.6	136.6	256.6	453.6	550.2	517.0	464.3	273.1
87.5°	39.0	41.0	50.7	66.3	94.6	172.7	301.4	339.5	314.1	292.7	165.8
90°	23.4	25.4	33.2	45.8	65.4	116.1	182.4	197.1	175.6	160.0	100.5
92.5°	16.6	17.6	23.4	33.2	47.8	78.0	113.2	113.2	103.4	88.8	63.4
95°	11.7	12.7	17.6	25.4	36.1	53.7	71.2	67.3	59.5	55.6	42.9
97.5°	9.8	9.8	14.6	20.5	29.3	41.0	46.8	42.9	40.0	37.1	32.2
100°	7.8	8.8	12.7	17.6	24.4	31.2	34.1	31.2	28.3	27.3	24.4
102.5°	6.8	7.8	10.7	15.6	20.5	25.4	26.3	23.4	22.4	20.5	18.5
105°	5.9	6.8	8.8	13.7	17.6	21.5	21.5	19.5	17.6	16.6	14.6
107.5°	5.9	5.9	7.8	11.7	15.6	17.6	18.5	15.6	13.7	12.7	11.7
110°	4.9	4.9	6.8	9.8	13.7	15.6	15.6	12.7	10.7	9.8	8.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	4.9	4.9	6.8	8.8	11.7	13.7	12.7	10.7	8.8	7.8	7.8
115°	4.9	4.9	5.9	7.8	10.7	11.7	10.7	8.8	7.8	6.8	6.8
117.5°	3.9	4.9	5.9	7.8	9.8	10.7	9.8	7.8	6.8	5.9	5.9
120°	3.9	3.9	4.9	6.8	7.8	8.8	8.8	6.8	5.9	4.9	5.9
122.5°	3.9	3.9	4.9	5.9	7.8	7.8	7.8	5.9	4.9	4.9	4.9
125°	3.9	3.9	4.9	5.9	6.8	6.8	6.8	4.9	4.9	3.9	4.9
127.5°	3.9	3.9	3.9	4.9	5.9	6.8	5.9	4.9	3.9	3.9	4.9
130°	3.9	3.9	3.9	4.9	5.9	5.9	4.9	3.9	3.9	3.9	3.9
132.5°	3.9	3.9	3.9	4.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9
135°	3.9	3.9	3.9	3.9	4.9	4.9	3.9	3.9	2.9	2.9	3.9
137.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.9	2.9	2.9	3.9
140°	3.9	2.9	2.9	3.9	3.9	3.9	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	2.9	2.9	2.9
145°	2.9	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.9
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°	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
2.5°	51.7	51.7	50.7	49.8	48.8	47.8	47.8	47.8	47.8	46.8	46.8
5°	55.6	54.6	52.7	50.7	48.8	46.8	45.8	44.9	43.9	43.9	42.9
7.5°	63.4	61.5	57.6	53.7	50.7	47.8	45.8	43.9	42.9	41.9	41.9
10°	75.1	72.2	65.4	59.5	54.6	49.8	46.8	44.9	43.9	42.9	42.9
12.5°	89.7	85.8	76.1	67.3	59.5	53.7	50.7	47.8	46.8	45.8	45.8
15°	111.2	103.4	90.7	78.0	67.3	59.5	55.6	54.6	53.7	53.7	53.7
17.5°	134.6	125.8	106.3	88.8	75.1	67.3	63.4	62.4	63.4	63.4	63.4
20°	162.9	150.2	123.9	101.5	84.9	77.1	74.1	73.2	75.1	76.1	77.1
22.5°	196.1	176.6	141.4	114.1	96.6	87.8	83.9	84.9	87.8	90.7	90.7
25°	233.1	208.8	161.0	126.8	108.3	98.5	95.6	99.5	103.4	107.3	108.3
27.5°	269.2	238.0	180.5	140.5	120.0	108.3	108.3	112.2	121.9	125.8	127.8
30°	307.3	265.3	196.1	154.1	131.7	119.0	120.0	128.8	139.5	145.3	147.3
32.5°	341.4	290.7	208.8	165.8	141.4	129.7	130.7	142.4	157.1	164.9	165.8
35°	375.6	309.2	219.5	176.6	150.2	137.5	141.4	157.1	172.7	181.4	182.4
37.5°	400.9	323.9	224.4	183.4	158.0	143.4	149.3	168.8	186.3	194.1	195.1
40°	424.3	332.6	226.3	188.3	162.9	149.3	156.1	178.5	196.1	203.9	203.9
42.5°	441.9	335.6	225.3	190.2	166.8	152.2	161.0	185.3	202.9	208.8	209.7
45°	460.4	338.5	221.4	190.2	167.8	154.1	162.9	188.3	205.8	209.7	209.7
47.5°	479.9	340.5	216.6	188.3	166.8	154.1	164.9	190.2	205.8	207.8	207.8
50°	507.3	345.3	210.7	184.4	164.9	153.2	164.9	190.2	203.9	201.9	201.9
52.5°	532.6	352.2	204.9	180.5	161.9	151.2	163.9	189.2	200.0	195.1	195.1
55°	563.8	357.0	198.0	174.6	158.0	148.3	161.0	185.3	194.1	188.3	187.3
57.5°	599.0	366.8	192.2	167.8	153.2	145.3	158.0	181.4	188.3	179.5	178.5
60°	635.1	374.6	185.3	161.9	148.3	140.5	153.2	175.6	180.5	171.7	170.7
62.5°	662.4	381.4	178.5	156.1	143.4	135.6	148.3	168.8	172.7	163.9	162.9
65°	685.8	384.3	170.7	149.3	137.5	130.7	142.4	161.0	163.9	156.1	155.1
67.5°	691.6	378.5	161.0	141.4	130.7	124.9	134.6	152.2	156.1	149.3	147.3
70°	677.0	362.9	152.2	134.6	124.9	118.0	126.8	142.4	146.3	140.5	140.5
72.5°	633.1	336.5	141.4	125.8	117.1	110.2	118.0	131.7	136.6	133.6	131.7
75°	564.8	296.6	128.8	117.1	108.3	102.4	108.3	121.0	125.8	124.9	124.9
77.5°	467.3	252.7	115.1	105.4	99.5	93.6	99.5	109.3	115.1	116.1	115.1
80°	360.0	200.0	99.5	93.6	89.7	84.9	89.7	98.5	103.4	105.4	104.4
82.5°	259.5	152.2	83.9	81.9	79.0	77.1	79.0	85.8	92.7	93.6	93.6
85°	179.5	110.2	70.2	70.2	68.3	67.3	69.3	74.1	79.0	81.0	81.0
87.5°	116.1	79.0	56.6	58.5	59.5	58.5	59.5	61.5	66.3	68.3	67.3
90°	76.1	56.6	46.8	48.8	50.7	50.7	49.8	50.7	55.6	56.6	56.6
92.5°	50.7	42.9	40.0	41.0	42.9	43.9	42.9	42.9	45.8	46.8	45.8
95°	38.0	35.1	34.1	35.1	37.1	37.1	37.1	36.1	38.0	39.0	38.0
97.5°	29.3	28.3	29.3	30.2	32.2	32.2	32.2	31.2	32.2	32.2	31.2
100°	23.4	23.4	25.4	26.3	27.3	27.3	27.3	27.3	27.3	25.4	25.4
102.5°	18.5	19.5	21.5	23.4	23.4	24.4	23.4	23.4	22.4	21.5	20.5
105°	15.6	15.6	18.5	19.5	20.5	20.5	20.5	19.5	18.5	16.6	16.6
107.5°	11.7	12.7	15.6	16.6	17.6	17.6	17.6	16.6	15.6	13.7	13.7
110°	9.8	10.7	12.7	14.6	15.6	15.6	15.6	14.6	12.7	10.7	10.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.8	8.8	10.7	12.7	12.7	13.7	13.7	12.7	10.7	8.8	9.8
115°	6.8	7.8	9.8	10.7	11.7	11.7	11.7	10.7	8.8	7.8	7.8
117.5°	6.8	6.8	8.8	9.8	9.8	10.7	9.8	8.8	7.8	6.8	6.8
120°	5.9	6.8	7.8	8.8	8.8	8.8	8.8	7.8	6.8	6.8	6.8
122.5°	5.9	5.9	6.8	7.8	7.8	7.8	7.8	6.8	5.9	5.9	5.9
125°	4.9	5.9	5.9	6.8	6.8	6.8	6.8	5.9	5.9	5.9	5.9
127.5°	4.9	4.9	5.9	5.9	5.9	5.9	5.9	5.9	4.9	4.9	4.9
130°	4.9	4.9	4.9	5.9	5.9	5.9	5.9	4.9	4.9	4.9	4.9
132.5°	3.9	3.9	4.9	4.9	4.9	4.9	4.9	4.9	3.9	4.9	4.9
135°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
137.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
140°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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	2.0	2.9	2.9	2.9
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)