

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: P416062

Luminaire Tested: **LXF.LXT-PA1-60-827-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-827-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5378.1 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium - Non-Cutoff
BUG Rating: B3 - U3 - G3

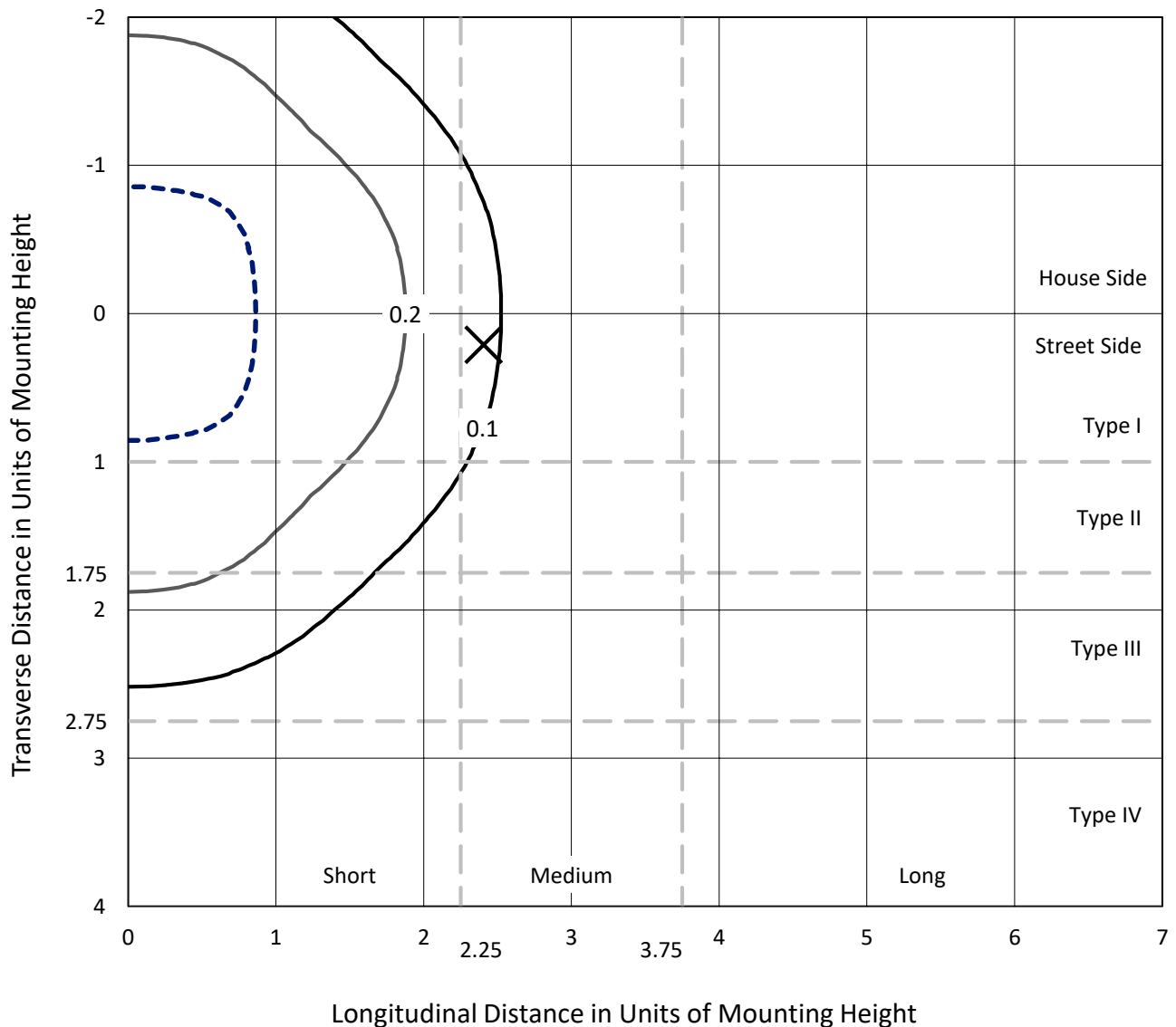
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

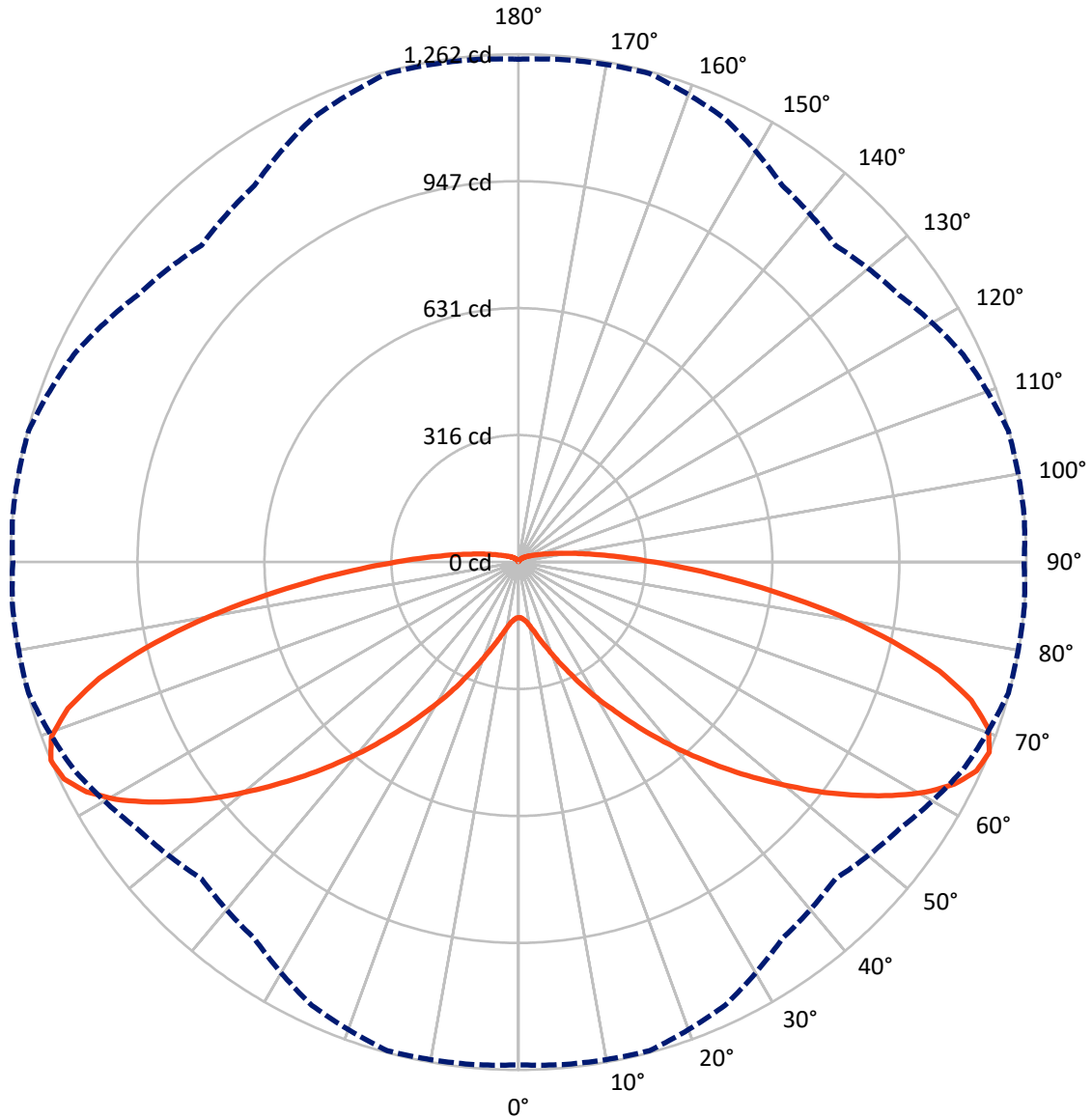
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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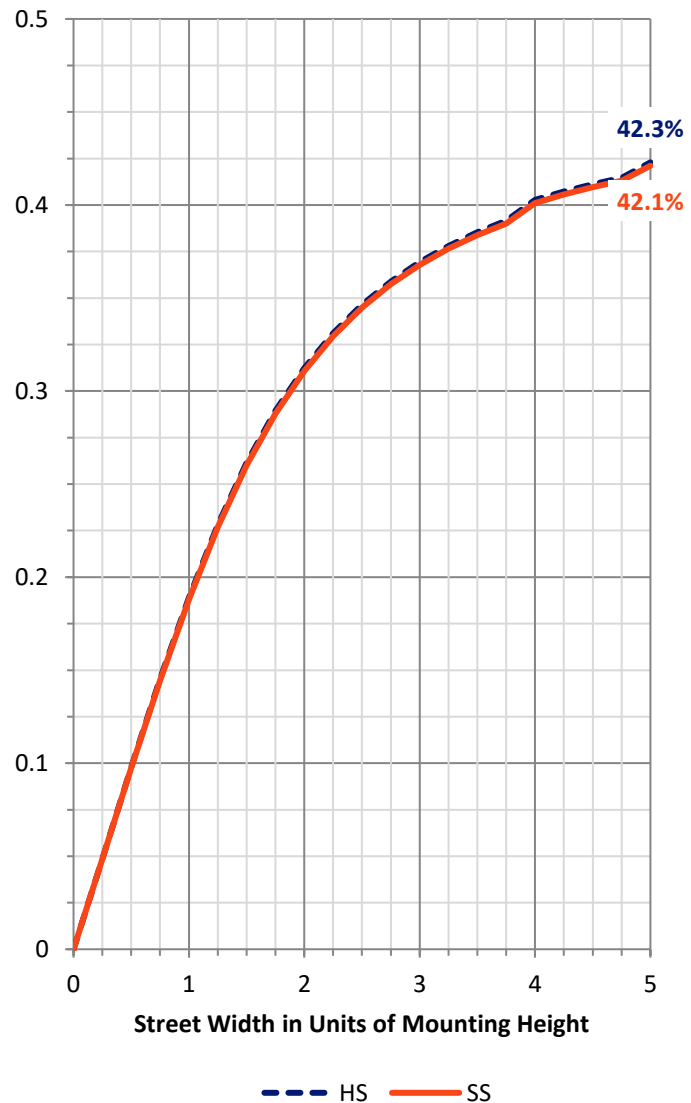
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2438.7	250.4	2689.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	2438.7	250.4	2689.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	4877.3	500.7	5378.1
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.3
10°-20°	58.5	1.1
20°-30°	147.8	2.7
30°-40°	304.2	5.7
40°-50°	546.9	10.2
50°-60°	874.3	16.3
60°-70°	1169.8	21.8
70°-80°	1108.5	20.6
80°-90°	652.9	12.1
90°-100°	282.1	5.2
100°-110°	120.1	2.2
110°-120°	55.3	1.0
120°-130°	26.5	0.5
130°-140°	11.8	0.2
140°-150°	4.0	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4877.3	90.7
0°-180°	5378.1	100.0



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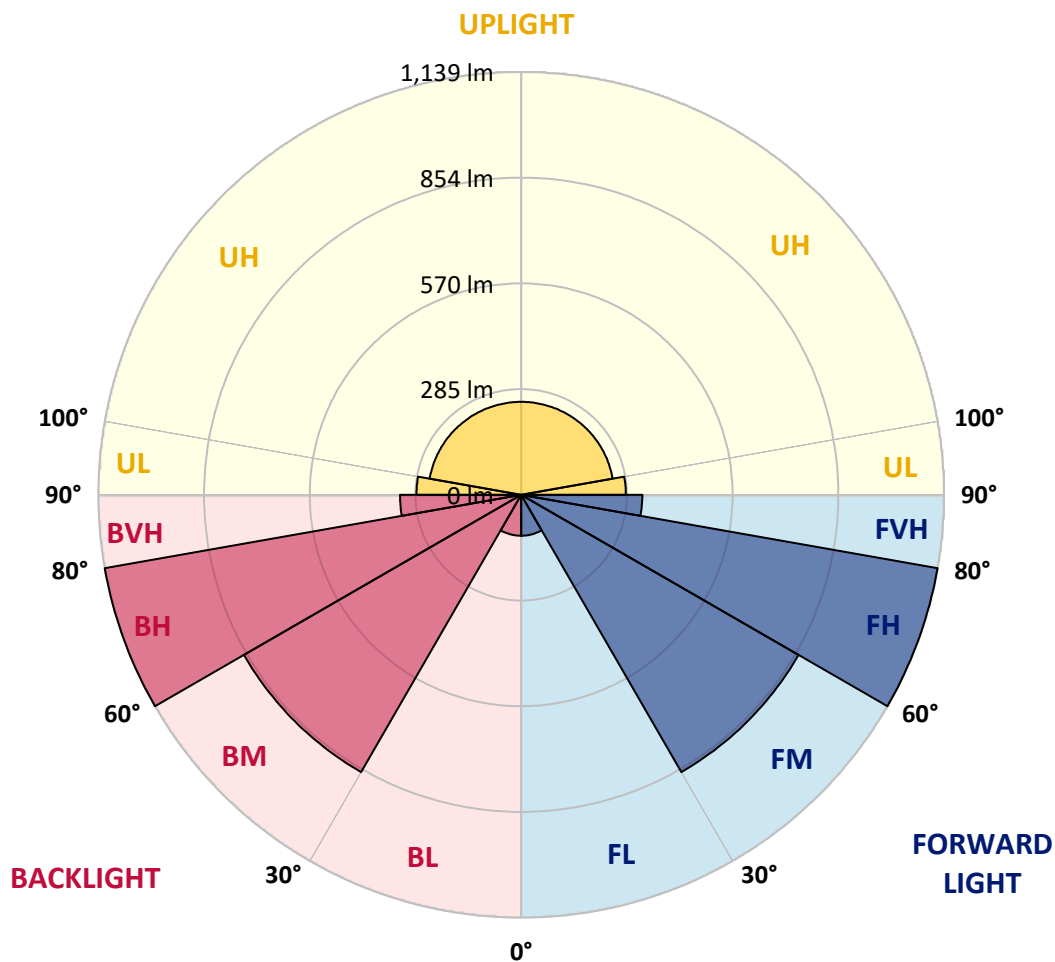
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	110.3	2.1			
FM	(30°-60°)	862.7	16.0			
FH	(60°-80°)	1139.2	21.2			G1/1800
FVH	(80°-90°)	326.4	6.1			G3/500
BL	(0°-30°)	110.3	2.1	B1/500		
BM	(30°-60°)	862.7	16.0	B1/1000		
BH	(60°-80°)	1139.2	21.2	B3/2500		G1/1800
BVH	(80°-90°)	326.4	6.1			G3/500
UL	(90°-100°)	282.1	5.2		U3/500	
UH	(100°-180°)	250.4	4.7		U3/500	

BUG Rating: B3-U3-G3

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9
2.5°	139.1	138.5	139.1	139.1	139.7	139.7	139.7	139.7	139.1	139.1	139.1
5°	143.9	143.9	143.9	143.9	144.5	144.5	144.5	143.9	143.9	143.9	143.9
7.5°	152.9	152.3	152.9	152.3	152.3	151.7	152.3	151.7	151.1	151.1	151.1
10°	164.3	164.3	164.3	163.7	163.7	163.7	162.5	162.5	162.5	163.1	162.5
12.5°	182.9	181.7	181.7	179.3	178.1	177.5	176.9	176.9	178.7	178.7	177.5
15°	204.5	203.9	203.9	200.9	198.5	194.9	195.5	197.9	197.9	199.1	198.5
17.5°	230.3	229.7	227.9	224.9	221.9	219.5	218.3	219.5	220.7	221.3	221.9
20°	258.4	257.8	255.4	252.4	249.4	248.2	244.0	245.8	247.0	248.2	247.6
22.5°	288.4	288.4	286.0	281.8	278.8	276.4	274.6	272.8	277.0	279.4	280.0
25°	325.0	323.8	319.6	314.8	311.2	309.4	307.0	307.0	310.0	314.8	316.0
27.5°	363.4	362.2	356.2	350.8	346.0	341.8	340.6	342.4	347.8	355.0	355.0
30°	405.9	403.5	398.1	389.8	382.0	377.8	379.0	382.0	389.8	398.1	397.5
32.5°	452.7	448.5	442.5	432.9	421.5	415.5	417.3	425.7	433.5	442.5	443.7
35°	502.5	501.9	492.3	479.7	465.3	455.7	459.3	470.7	482.7	495.3	497.1
37.5°	553.4	555.2	543.9	530.1	509.1	497.7	505.5	521.7	536.7	550.4	551.6
40°	615.8	614.0	602.6	582.2	557.0	544.5	551.0	573.8	593.0	610.4	611.6
42.5°	680.0	675.2	665.6	641.0	607.4	596.0	605.6	631.4	657.2	671.6	672.2
45°	740.5	742.3	731.5	702.1	665.0	647.6	661.4	692.0	721.9	737.5	739.3
47.5°	816.7	811.9	802.3	764.5	722.5	705.1	720.7	757.9	790.9	805.3	804.7
50°	891.0	888.0	874.2	834.7	787.3	766.3	781.9	827.5	863.4	876.0	879.0
52.5°	961.8	960.6	948.6	904.8	853.9	828.1	849.7	897.0	938.4	951.0	952.2
55°	1034.3	1030.7	1021.7	976.2	918.0	889.2	916.2	969.0	1011.6	1023.5	1024.1
57.5°	1099.1	1101.5	1094.3	1046.3	979.2	951.6	981.6	1040.3	1083.5	1094.9	1096.7
60°	1163.9	1164.5	1159.1	1112.3	1040.9	1009.8	1044.5	1105.7	1151.9	1162.1	1162.7
62.5°	1214.8	1216.0	1211.8	1160.9	1089.5	1059.5	1097.9	1161.5	1208.8	1216.0	1215.4
65°	1246.0	1249.6	1247.2	1201.0	1124.9	1097.3	1137.5	1204.0	1247.2	1251.4	1249.6
67.5°	1249.6	1253.8	1257.4	1215.4	1142.9	1113.5	1156.1	1219.6	1260.4	1262.2	1256.8
70°	1223.2	1227.4	1235.8	1201.0	1133.9	1109.3	1150.1	1207.0	1241.2	1238.8	1232.8
72.5°	1155.5	1164.5	1177.0	1153.7	1097.3	1076.9	1117.1	1162.7	1186.0	1177.0	1168.7
75°	1058.3	1067.3	1091.3	1078.1	1034.9	1023.5	1053.5	1087.7	1094.3	1081.1	1069.7
77.5°	940.2	951.6	973.8	984.0	955.2	943.8	969.0	987.0	979.8	951.0	942.6
80°	802.3	820.3	843.7	859.8	852.7	849.1	861.6	859.8	833.5	810.7	796.3
82.5°	676.4	680.0	715.9	736.3	738.7	739.9	743.5	721.9	691.4	660.8	647.6
85°	552.8	554.0	584.0	613.4	624.8	628.4	621.8	593.0	561.2	527.1	518.1
87.5°	443.1	444.9	471.3	501.3	521.1	523.5	510.9	482.7	443.1	412.5	404.7
90°	350.2	356.2	382.6	407.1	428.1	431.7	413.7	383.8	347.2	317.8	313.0
92.5°	280.0	283.0	307.0	329.8	349.6	350.2	337.6	307.0	274.6	248.2	242.2
95°	224.9	227.3	246.4	267.4	283.6	287.2	272.8	245.8	215.9	193.1	191.9
97.5°	179.3	182.3	197.3	219.5	231.5	233.9	224.3	199.1	171.5	151.1	151.1
100°	143.9	145.7	158.9	177.5	190.1	192.5	182.9	160.7	136.7	118.7	117.5
102.5°	116.9	118.1	128.9	145.7	157.1	159.5	151.1	133.1	109.7	95.3	94.7
105°	95.9	96.5	104.9	120.5	131.3	133.1	125.3	109.7	88.7	76.8	76.2
107.5°	78.5	79.1	85.7	100.1	110.3	112.1	105.5	89.9	72.0	63.6	62.4
110°	66.0	66.6	71.4	82.7	92.9	95.3	88.7	75.0	59.4	52.2	52.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	55.8	56.4	60.0	69.6	78.5	81.5	75.0	62.4	49.8	44.4	43.8
115°	47.4	48.0	50.4	58.8	66.0	68.4	63.6	52.2	42.0	37.8	37.8
117.5°	41.4	42.0	43.2	49.8	56.4	58.2	53.4	43.8	35.4	33.0	33.0
120°	36.6	36.6	37.2	42.0	47.4	49.2	45.0	37.2	30.6	28.8	28.8
122.5°	31.8	31.8	32.4	36.0	40.2	41.4	37.8	31.2	26.4	25.8	25.2
125°	28.2	28.2	28.2	30.6	34.2	34.8	31.8	26.4	23.4	22.8	22.8
127.5°	24.6	24.6	24.6	25.8	28.2	28.8	26.4	22.2	20.4	19.8	19.8
130°	21.6	21.6	21.6	22.2	23.4	24.0	21.6	19.2	18.0	18.0	18.0
132.5°	19.2	19.2	18.6	18.6	19.2	19.2	18.0	16.2	15.6	15.6	15.6
135°	16.8	16.8	16.2	15.6	15.6	15.0	13.8	13.2	13.8	13.8	13.8
137.5°	14.4	14.4	13.8	13.2	12.6	12.0	11.4	10.8	11.4	12.0	12.0
140°	12.0	12.0	11.4	10.2	9.6	9.0	8.4	9.0	9.6	10.2	10.2
142.5°	9.6	9.6	9.6	8.4	7.2	6.6	6.6	7.2	7.8	8.4	8.4
145°	7.8	7.8	7.2	6.6	5.4	4.8	4.8	5.4	6.6	6.6	6.6
147.5°	6.0	6.0	5.4	4.8	3.6	3.0	3.6	4.2	4.8	5.4	5.4
150°	4.2	4.2	4.2	3.6	2.4	2.4	2.4	3.0	3.6	3.6	3.6
152.5°	2.4	2.4	2.4	2.4	1.8	1.2	1.8	2.4	2.4	2.4	2.4
155°	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.8	1.8	1.8	1.8
157.5°	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	0.0	0.0	0.6	0.6	1.2	1.2	1.2	1.2	0.6	0.6	0.6
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)