

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: P415128

Luminaire Tested: **LXF.LXT-PA1-40-750-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-750-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5002 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G3

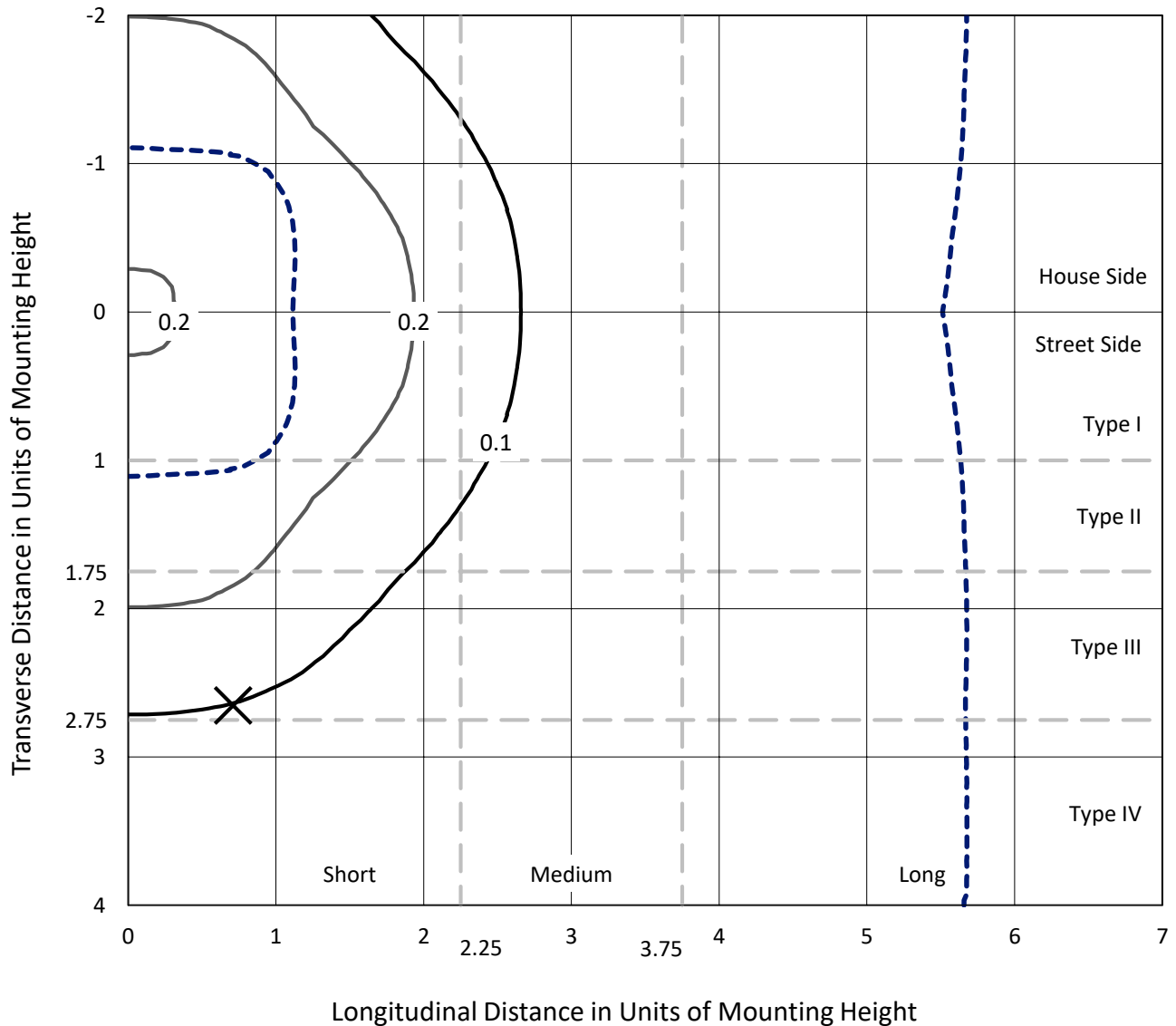
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

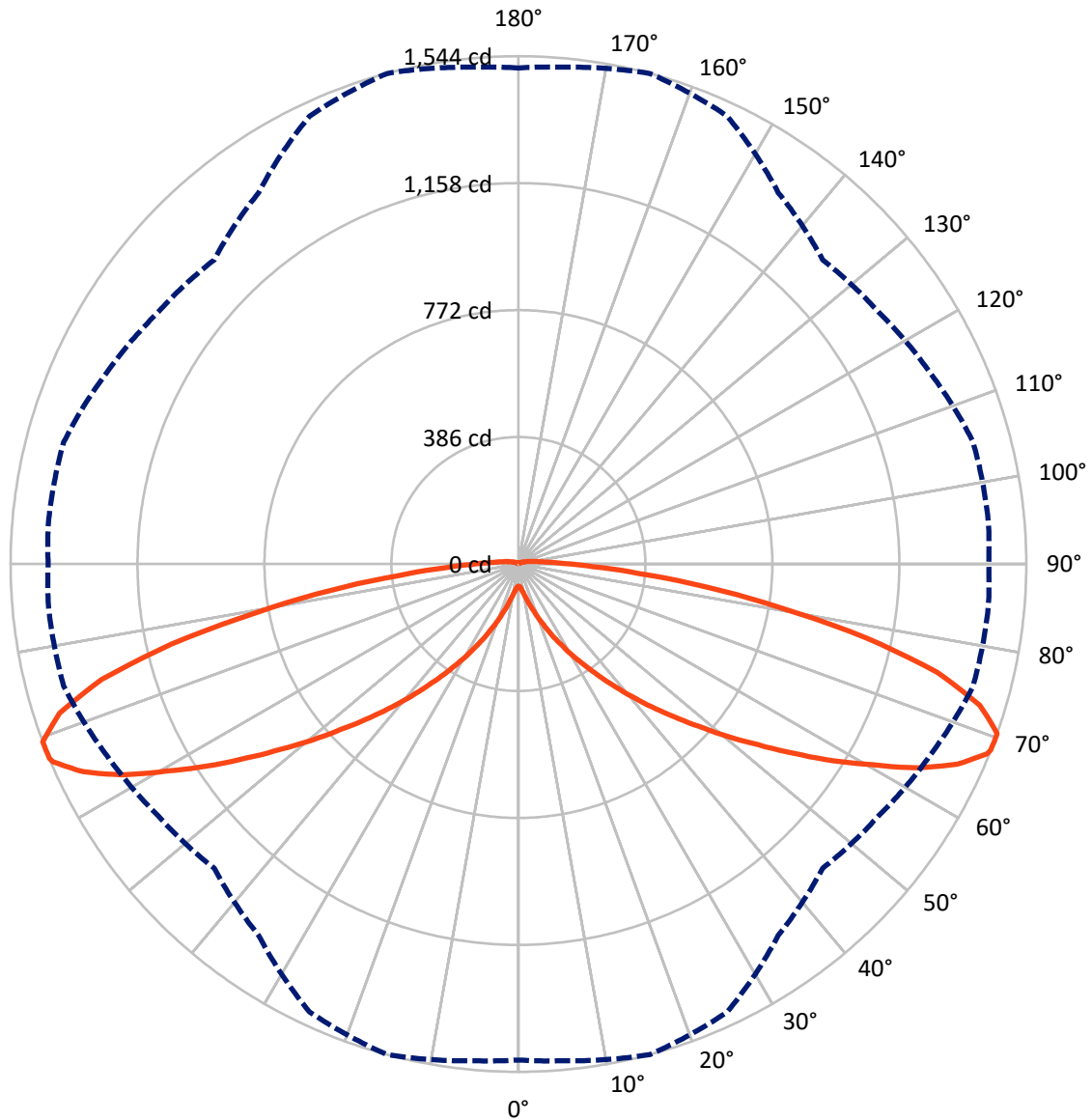
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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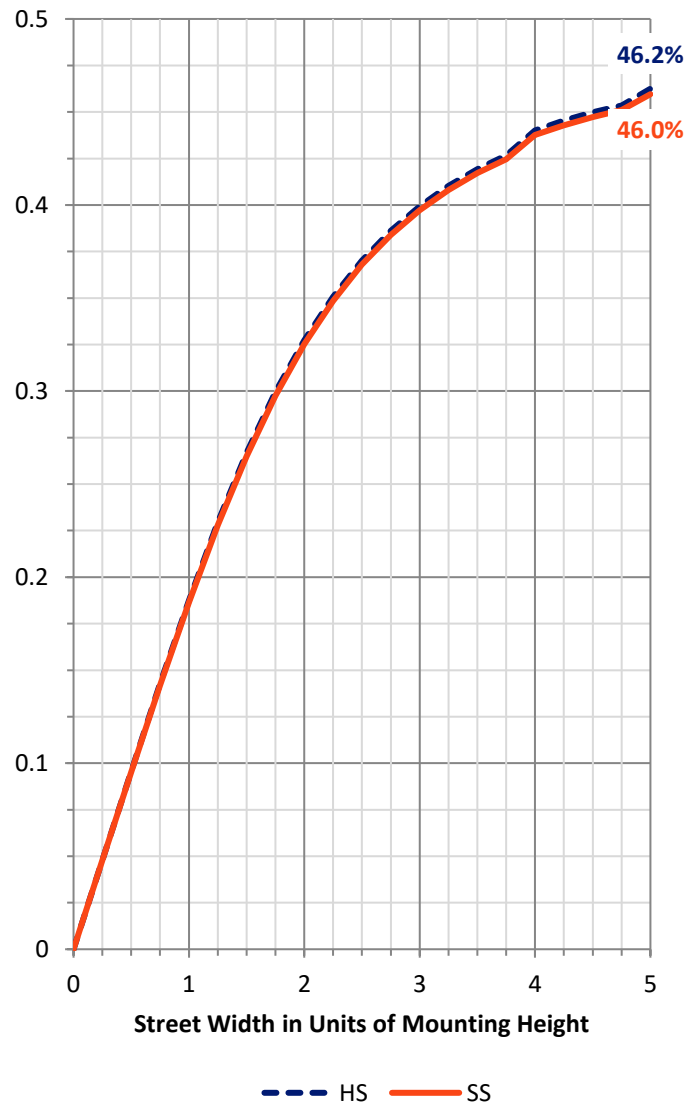
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2412.9	88.1	2501.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	2412.9	88.1	2501.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	4825.9	176.1	5002.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.1
10°-20°	36.1	0.7
20°-30°	108.7	2.2
30°-40°	249.8	5.0
40°-50°	480.3	9.6
50°-60°	849.2	17.0
60°-70°	1316.0	26.3
70°-80°	1277.2	25.5
80°-90°	501.0	10.0
90°-100°	107.8	2.2
100°-110°	36.8	0.7
110°-120°	16.2	0.3
120°-130°	8.2	0.2
130°-140°	4.4	0.1
140°-150°	2.1	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4825.9	96.5
0°-180°	5002.0	100.0



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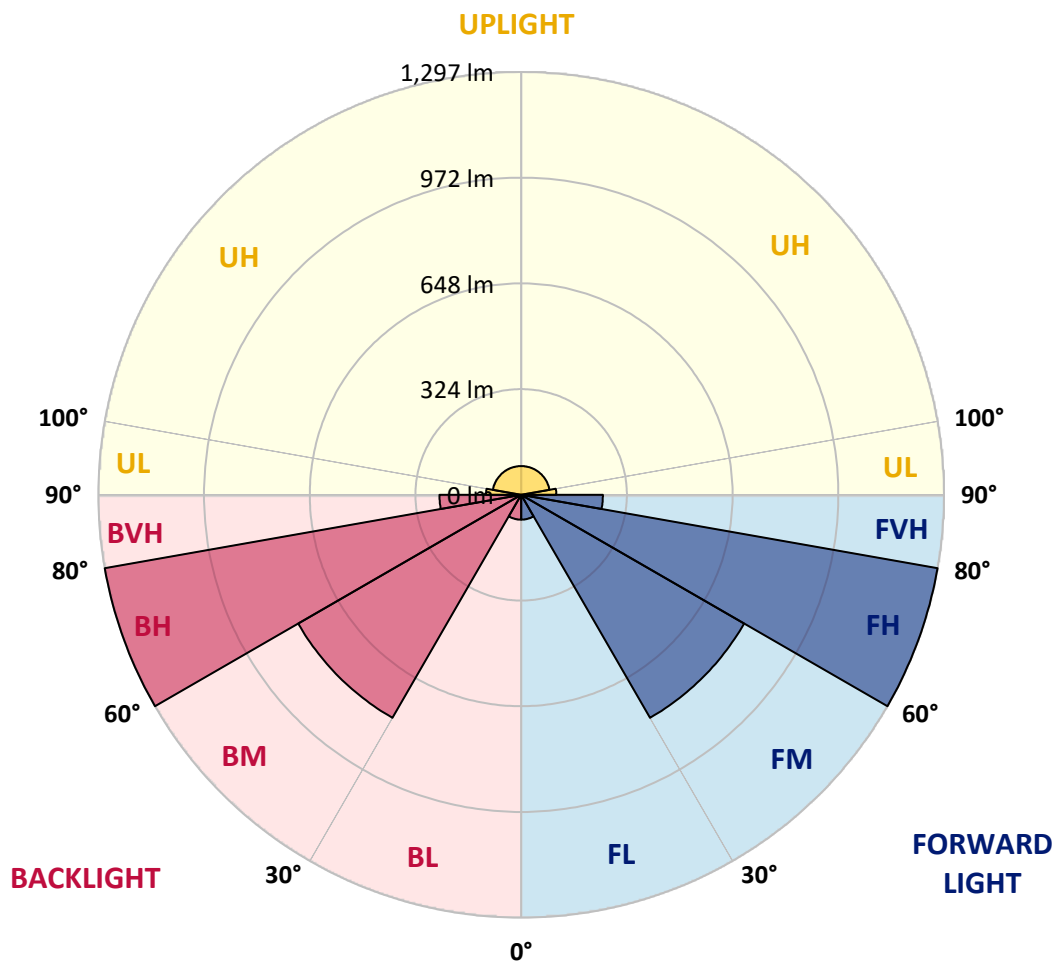
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.1	1.5			
FM	(30°-60°)	789.7	15.8			
FH	(60°-80°)	1296.6	25.9			G1/1800
FVH	(80°-90°)	250.5	5.0			G3/500
BL	(0°-30°)	76.1	1.5	B0/110		
BM	(30°-60°)	789.7	15.8	B1/1000		
BH	(60°-80°)	1296.6	25.9	B3/2500		G1/1800
BVH	(80°-90°)	250.5	5.0			G3/500
UL	(90°-100°)	107.8	2.2		U3/500	
UH	(100°-180°)	88.1	1.8		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
2.5°	68.4	68.4	68.4	69.0	69.0	69.5	69.0	68.4	68.4	67.9	67.9
5°	73.4	73.4	73.4	73.4	73.9	73.9	72.8	72.3	71.7	71.7	71.7
7.5°	81.0	81.0	81.6	81.0	81.0	80.5	79.4	78.3	78.3	77.7	77.7
10°	93.1	92.0	92.0	91.4	90.9	89.8	88.7	88.2	87.1	87.1	86.0
12.5°	109.5	109.0	107.3	105.7	103.5	101.8	100.7	100.2	100.2	100.2	101.3
15°	128.7	129.2	128.1	124.3	119.9	116.6	116.1	116.1	117.2	118.3	118.3
17.5°	153.9	152.8	150.0	145.6	140.2	136.9	134.7	136.3	139.1	140.7	141.8
20°	181.2	180.7	176.9	169.7	163.7	159.3	157.7	159.9	164.8	169.2	168.6
22.5°	213.0	212.4	206.4	197.1	188.9	184.0	182.3	186.7	197.1	202.6	203.7
25°	249.1	247.5	242.0	229.4	217.9	210.3	211.3	219.0	232.7	243.6	243.1
27.5°	290.2	288.0	277.6	263.4	248.0	240.4	242.6	255.1	273.8	286.4	288.0
30°	335.1	331.8	320.9	300.0	282.5	271.6	277.0	294.6	318.1	336.2	338.4
32.5°	378.3	382.2	363.6	342.8	318.7	304.4	311.5	335.6	364.7	389.8	392.0
35°	433.1	429.8	413.9	386.6	357.0	342.2	351.5	381.1	413.9	443.5	444.6
37.5°	491.7	488.4	467.6	434.2	399.7	382.2	394.2	426.0	468.1	497.7	504.3
40°	554.6	548.1	528.9	487.8	445.7	427.6	439.1	479.1	524.5	556.8	561.2
42.5°	616.5	612.7	593.0	545.9	497.7	474.7	491.7	531.1	583.7	615.4	620.9
45°	683.9	683.3	662.0	610.5	556.3	530.6	548.1	591.9	642.3	678.9	682.2
47.5°	755.0	755.6	737.0	685.5	619.8	590.8	607.8	657.0	716.2	749.0	752.3
50°	839.4	836.1	823.5	763.3	694.3	661.4	683.3	734.8	789.5	824.6	827.9
52.5°	928.1	928.1	913.3	858.0	777.5	743.5	762.2	814.7	876.0	907.8	914.4
55°	1026.6	1022.2	1016.2	956.0	873.9	834.4	853.0	912.7	969.1	996.5	997.0
57.5°	1133.4	1129.0	1127.9	1073.7	980.1	928.6	950.0	1006.4	1070.4	1088.5	1094.0
60°	1236.9	1244.5	1240.2	1192.5	1086.8	1028.8	1052.9	1112.0	1173.9	1190.3	1195.8
62.5°	1349.7	1353.5	1365.5	1307.5	1193.6	1131.7	1155.8	1208.4	1271.4	1285.0	1287.2
65°	1447.1	1450.9	1466.8	1412.1	1282.9	1217.7	1245.1	1300.4	1363.3	1375.4	1368.3
67.5°	1505.2	1513.9	1538.0	1486.0	1352.9	1281.2	1309.1	1361.2	1415.9	1426.9	1417.5
68°	1513.9	1521.0	1543.5	1496.4	1361.7	1288.9	1318.4	1369.9	1425.8	1434.5	1427.4
70°	1507.9	1516.1	1544.0	1502.4	1377.6	1308.0	1336.0	1379.8	1431.2	1434.5	1429.6
72.5°	1424.7	1439.5	1466.8	1452.0	1350.8	1287.8	1311.3	1338.2	1373.7	1373.2	1367.2
75°	1265.3	1258.8	1315.2	1322.3	1255.5	1219.3	1230.8	1231.4	1238.5	1228.7	1208.9
77.5°	1011.8	1027.2	1081.9	1129.5	1107.1	1092.9	1095.1	1062.8	1048.5	1006.4	993.2
80°	738.1	750.1	808.7	881.0	913.3	929.7	911.1	850.3	800.5	757.2	742.4
82.5°	503.7	508.1	577.1	646.6	711.2	730.9	714.5	631.8	562.9	516.9	496.6
85°	309.9	317.0	366.3	435.3	511.4	556.3	518.0	435.3	365.7	329.6	321.4
87.5°	182.3	193.3	226.1	278.1	351.0	389.3	359.2	287.5	231.6	205.3	195.5
90°	113.9	120.5	141.3	179.0	235.4	263.4	243.1	186.7	149.5	127.0	119.9
92.5°	79.4	81.6	95.8	119.9	160.4	179.6	162.6	128.1	102.4	85.4	82.7
95°	59.1	60.8	69.5	84.9	110.6	125.4	113.9	90.3	72.8	61.3	59.7
97.5°	46.5	47.6	54.8	64.6	81.0	91.4	84.3	69.0	56.4	47.1	45.4
100°	36.1	37.2	43.8	51.5	63.5	69.0	64.6	54.2	44.3	36.1	35.0
102.5°	28.5	29.0	35.0	42.2	50.9	54.8	51.5	43.8	35.0	27.9	27.4
105°	22.4	23.0	28.5	35.0	42.2	44.9	42.7	36.1	27.9	21.4	20.8
107.5°	17.5	18.1	22.4	29.0	35.0	37.2	35.0	29.6	21.9	17.0	16.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	14.2	14.2	18.6	24.1	29.6	31.2	29.6	24.1	17.5	13.7	13.1
112.5°	12.0	12.0	15.3	20.3	24.6	26.8	24.6	19.7	14.2	11.0	11.0
115°	9.9	10.4	12.6	17.0	20.8	22.4	20.8	16.4	12.0	9.3	9.3
117.5°	8.8	9.3	11.0	14.2	18.1	19.2	17.5	13.7	9.9	8.2	8.2
120°	8.2	8.2	9.3	12.0	15.3	16.4	14.8	12.0	8.8	7.7	7.7
122.5°	7.7	7.7	8.2	10.4	13.1	14.2	12.6	9.9	7.7	7.1	6.6
125°	7.1	7.1	7.7	9.3	11.5	12.0	11.0	8.8	6.6	6.0	6.0
127.5°	6.6	6.6	7.1	8.2	9.9	10.4	9.9	7.7	6.0	6.0	6.0
130°	6.0	6.0	6.6	7.1	8.8	9.3	8.2	6.6	5.5	5.5	5.5
132.5°	5.5	5.5	5.5	6.6	7.7	7.7	7.1	6.0	5.5	4.9	4.9
135°	5.5	5.5	5.5	5.5	6.6	7.1	6.0	5.5	4.9	4.9	4.9
137.5°	4.9	4.9	4.9	4.9	5.5	6.0	5.5	4.9	4.4	4.4	4.4
140°	4.4	4.4	4.4	4.4	4.9	4.9	4.9	3.8	3.8	3.8	3.8
142.5°	3.8	3.8	3.8	3.8	3.8	4.4	3.8	3.3	3.3	3.3	3.3
145°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
152.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
155°	1.1	1.1	1.1	1.1	1.6	1.1	1.6	1.1	1.1	1.1	1.1
157.5°	0.5	0.5	1.1	1.1	1.1	1.6	1.1	1.1	0.5	0.5	0.5
160°	0.0	0.5	0.5	0.5	1.1	1.1	1.1	0.5	0.5	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)