

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: P254528

Luminaire Tested: **LXF.LXT-AF24-40-D-U-5WQ-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-23)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4559.2 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G2

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

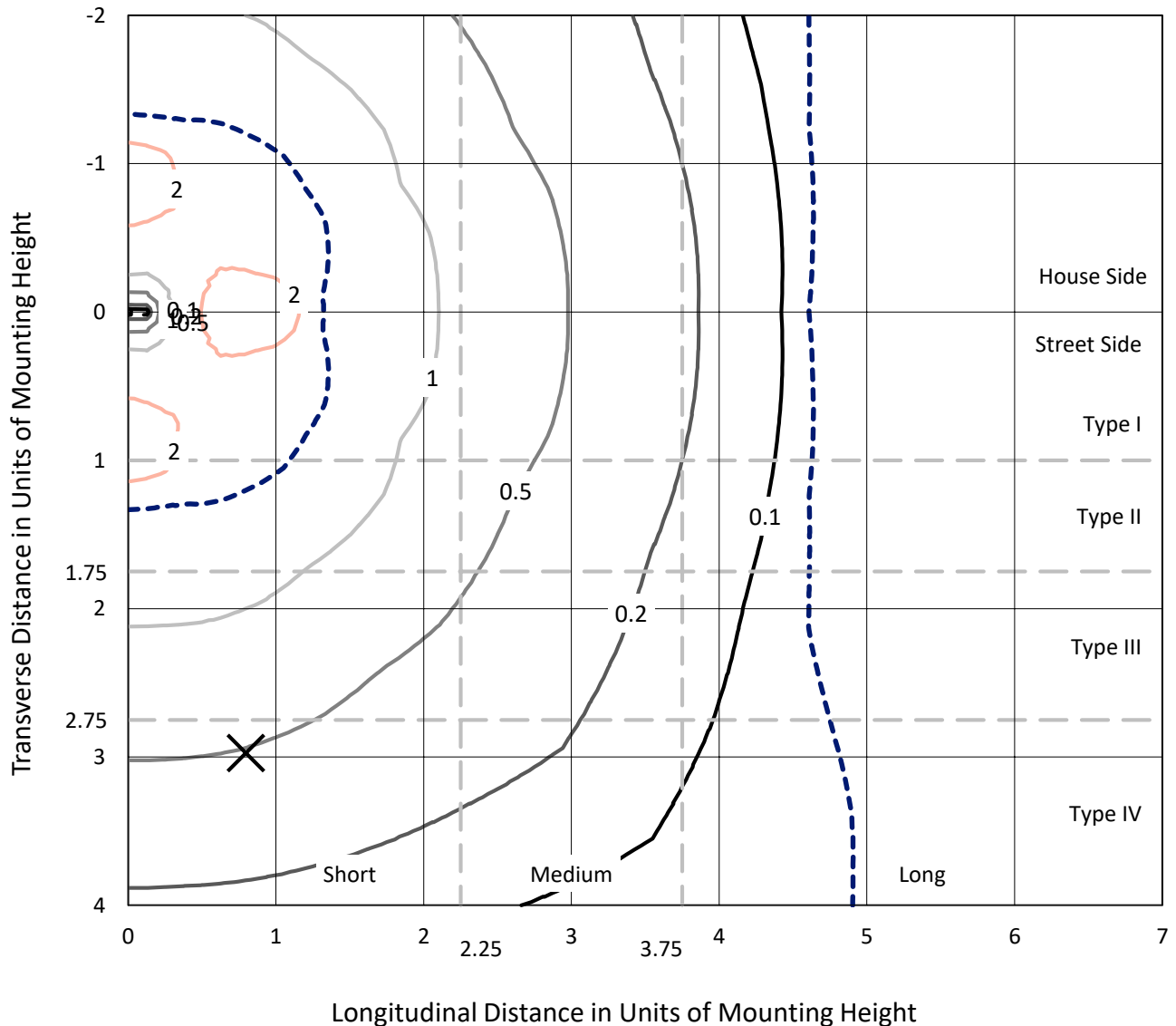


REPORT NUMBER: P254528

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-CL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

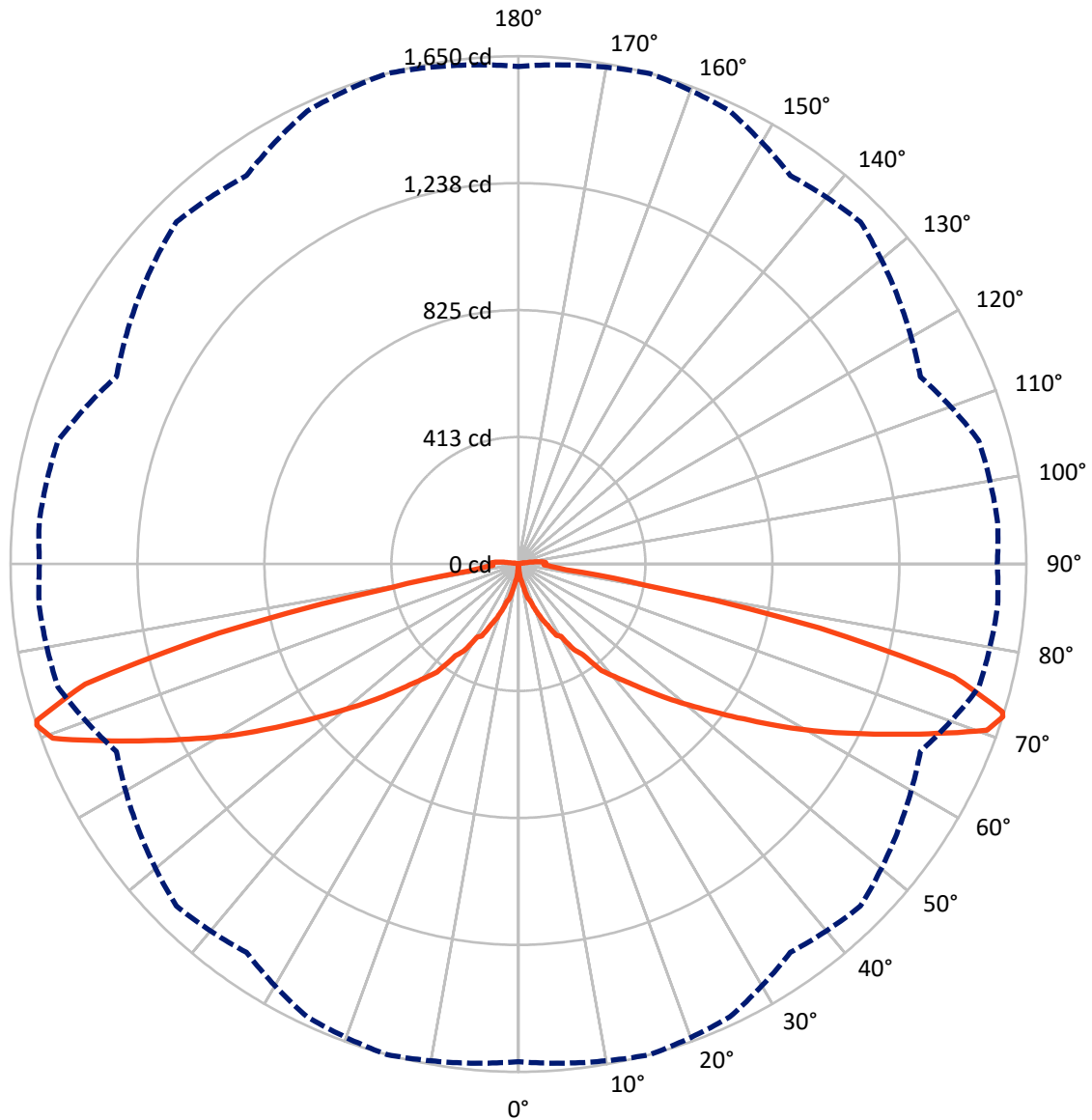


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P254528

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-CL

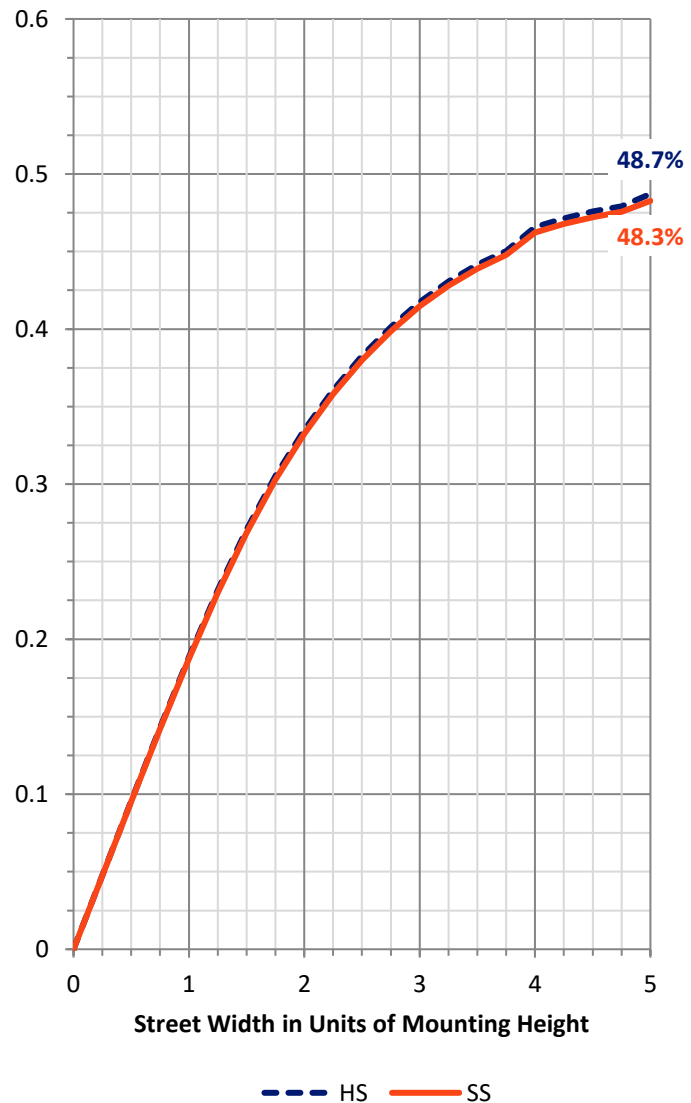
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2228.2	51.4	2279.6
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	2228.2	51.4	2279.6
	% Fixture	48.9	1.1	50.0
Total	Lumens	4456.5	102.7	4559.2
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.0
10°-20°	27.4	0.6
20°-30°	103.2	2.3
30°-40°	233.3	5.1
40°-50°	423.9	9.3
50°-60°	760.0	16.7
60°-70°	1284.6	28.2
70°-80°	1380.0	30.3
80°-90°	242.0	5.3
90°-100°	84.1	1.8
100°-110°	11.1	0.2
110°-120°	3.2	0.1
120°-130°	2.0	0.0
130°-140°	1.2	0.0
140°-150°	0.9	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4456.5	97.7
0°-180°	4559.2	100.0



REPORT NUMBER: P254528

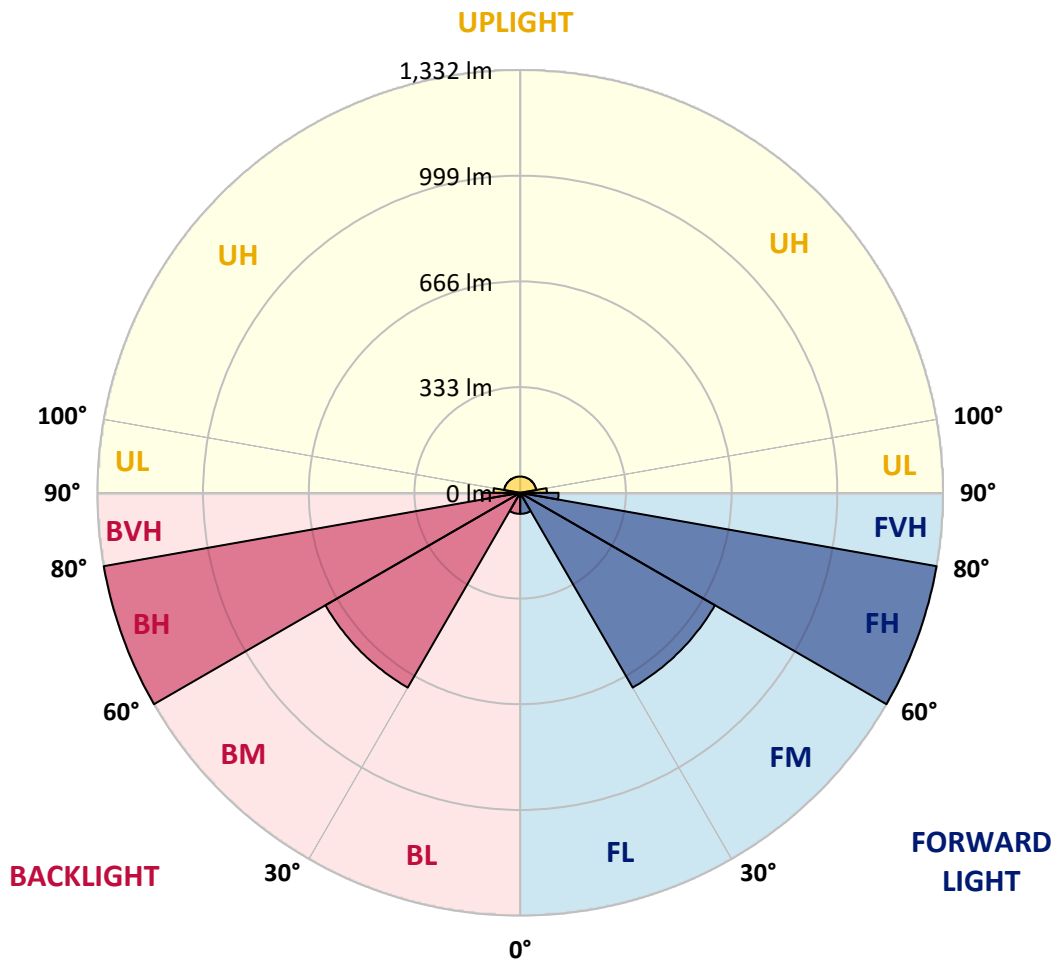
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	66.3	1.5			
FM	(30°-60°)	708.6	15.5			
FH	(60°-80°)	1332.3	29.2			G1/1800
FVH	(80°-90°)	121.0	2.7			G2/225
BL	(0°-30°)	66.3	1.5	B0/110		
BM	(30°-60°)	708.6	15.5	B1/1000		
BH	(60°-80°)	1332.3	29.2	B3/2500		G1/1800
BVH	(80°-90°)	121.0	2.7			G2/225
UL	(90°-100°)	84.1	1.8		U3/500	
UH	(100°-180°)	51.4	1.1		U3/500	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
2.5°	4.1	4.1	4.1	3.6	3.6	3.6	3.6	3.1	3.6	3.6	3.6
5°	23.1	24.1	21.6	21.1	9.7	7.7	4.6	3.6	3.6	3.6	3.6
7.5°	51.9	51.9	50.2	45.1	33.3	27.7	15.3	5.6	4.1	3.6	3.6
10°	59.5	58.5	56.0	56.0	53.9	49.2	29.3	13.8	6.1	5.6	5.6
12.5°	90.3	90.3	82.6	75.9	60.0	54.4	46.1	32.8	33.9	54.4	62.1
15°	120.6	120.6	115.9	107.7	85.6	63.6	83.1	97.5	82.6	88.8	89.3
17.5°	133.9	133.4	127.3	120.0	110.8	122.1	115.4	111.8	97.5	98.0	100.0
20°	185.7	183.6	160.6	147.2	129.3	156.5	137.5	128.8	164.7	177.0	181.1
22.5°	198.6	197.0	190.9	178.5	186.7	167.8	169.3	186.2	189.2	195.5	197.0
25°	235.0	234.5	220.0	198.0	214.9	191.9	218.0	199.1	211.3	246.2	259.6
27.5°	268.3	267.3	262.2	237.0	226.8	248.8	232.4	258.6	285.7	293.5	299.6
30°	300.6	299.1	272.9	276.5	252.9	263.7	283.2	287.8	298.1	318.0	319.1
32.5°	352.4	348.8	331.4	307.8	301.2	282.1	304.2	305.2	376.5	413.5	422.2
35°	404.3	400.7	361.7	350.9	327.9	335.0	325.7	372.5	401.7	436.6	442.7
37.5°	472.0	468.4	439.2	388.3	365.8	355.5	379.1	398.1	423.2	469.9	469.4
40°	508.9	507.4	480.7	440.7	402.7	390.9	403.2	420.1	459.1	501.2	505.8
42.5°	553.0	549.4	528.4	481.7	449.9	432.0	429.3	462.7	504.3	548.9	549.9
45°	606.4	601.2	586.4	524.8	493.5	479.2	478.6	513.5	561.7	606.4	611.5
47.5°	666.4	661.7	652.0	580.2	549.9	531.4	543.3	565.3	614.6	667.9	673.6
50°	731.0	728.4	720.3	651.5	626.4	596.6	610.0	623.8	682.8	734.1	735.6
52.5°	800.3	801.8	798.2	731.5	703.8	682.3	697.1	694.6	752.1	811.6	810.1
55°	887.0	887.0	888.5	834.1	806.9	769.5	795.1	789.0	841.3	894.2	892.6
57.5°	984.5	985.0	989.6	946.4	923.4	892.6	909.5	897.7	931.1	977.2	972.6
60°	1082.4	1086.6	1100.9	1082.4	1052.7	1026.5	1050.1	991.1	1031.6	1074.2	1067.6
62.5°	1183.5	1189.7	1211.2	1207.6	1175.8	1164.5	1184.0	1107.0	1160.9	1170.7	1164.0
65°	1300.5	1302.0	1332.3	1333.8	1286.1	1308.1	1301.5	1215.8	1291.8	1283.0	1282.0
67.5°	1430.3	1441.0	1468.8	1455.9	1392.2	1410.8	1400.0	1318.4	1398.0	1395.4	1390.7
70°	1589.3	1593.9	1616.0	1568.8	1477.4	1502.6	1472.3	1403.6	1512.8	1531.3	1526.7
72°	1617.0	1628.2	1650.3	1624.1	1540.6	1571.9	1506.7	1441.0	1548.7	1563.1	1556.4
72.5°	1609.8	1619.0	1644.7	1622.6	1548.2	1582.1	1510.8	1440.0	1539.5	1554.4	1546.2
75°	1403.1	1402.1	1461.0	1502.1	1528.7	1628.7	1490.7	1359.9	1373.3	1370.8	1357.9
77.5°	893.1	920.9	999.8	1134.8	1333.3	1515.4	1320.9	1089.6	976.2	910.0	881.9
80°	311.4	333.0	418.1	598.6	930.1	1156.3	925.5	601.2	400.2	310.9	306.8
82.5°	123.7	141.6	156.0	206.7	435.6	676.7	432.5	223.6	179.5	162.1	157.0
85°	98.0	100.6	110.8	117.9	158.0	218.5	191.9	135.4	126.2	113.3	110.8
87.5°	86.2	88.3	83.1	85.1	110.3	122.7	120.6	87.3	77.9	85.6	82.6
90°	90.3	91.3	83.6	84.6	111.8	125.7	116.4	82.0	81.0	89.8	86.7
92.5°	96.5	98.0	89.8	90.3	115.4	130.3	116.9	81.5	88.3	96.5	93.4
95°	79.0	81.0	75.4	77.4	100.6	116.4	104.1	72.8	78.5	93.9	90.8
97.5°	46.6	48.7	48.2	61.6	66.2	72.8	67.7	50.2	48.2	52.9	49.7
100°	8.2	10.2	21.6	40.5	37.4	31.8	34.9	31.3	20.6	10.7	7.7
102.5°	7.7	8.2	15.9	22.1	15.9	11.3	15.3	18.5	11.8	7.2	7.2
105°	7.7	8.2	8.7	9.2	5.1	4.6	6.6	10.7	7.2	7.2	7.2
107.5°	7.2	7.2	4.6	4.1	4.1	4.6	4.1	4.6	5.1	6.6	7.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	6.1	6.1	4.1	3.6	3.6	4.1	3.6	4.1	4.1	5.1	5.1
112.5°	4.6	4.6	3.1	3.1	3.1	3.6	3.1	3.1	3.6	4.1	4.1
115°	4.6	4.6	3.1	2.6	2.6	3.1	2.6	2.6	3.1	4.1	4.1
117.5°	4.1	4.1	2.6	2.0	2.0	2.0	2.0	2.0	3.1	4.1	4.1
120°	4.1	4.1	2.6	2.0	2.0	1.5	2.0	2.0	2.6	4.1	4.1
122.5°	4.1	4.1	2.6	1.5	1.5	1.5	1.5	2.0	2.6	3.6	4.1
125°	4.1	3.6	2.6	1.5	1.5	1.5	1.5	1.5	2.6	3.6	3.6
127.5°	3.6	3.6	2.6	1.5	1.5	1.0	1.0	1.5	2.0	3.1	3.6
130°	3.6	3.6	2.6	1.5	1.5	1.0	1.0	1.0	2.0	3.1	3.1
132.5°	3.1	3.1	2.0	1.0	1.0	1.0	1.0	1.0	1.5	2.6	2.6
135°	2.6	2.6	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
137.5°	2.6	2.6	2.0	1.5	1.0	1.0	1.0	1.0	1.0	1.5	1.5
140°	2.6	2.6	2.0	1.5	1.0	1.0	1.0	1.0	1.5	1.5	1.5
142.5°	2.6	2.6	2.0	1.5	1.0	1.0	1.0	1.0	1.5	1.5	1.5
145°	2.6	2.6	2.0	1.5	1.0	1.0	1.0	1.5	1.5	2.0	2.0
147.5°	2.6	2.6	2.0	1.5	1.0	0.5	1.0	1.5	2.0	2.0	2.0
150°	2.6	2.6	2.0	1.0	0.5	0.0	0.5	1.0	1.5	2.0	2.0
152.5°	2.0	2.0	1.5	0.5	0.5	0.0	0.0	0.5	1.5	1.5	1.5
155°	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
157.5°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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)