

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: P254519

Luminaire Tested: **LXF.LXT-AF24-40-D-U-5WQ-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254519
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-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 4311.4 lumens
Efficiency: N/A
Efficacy: 107.8 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

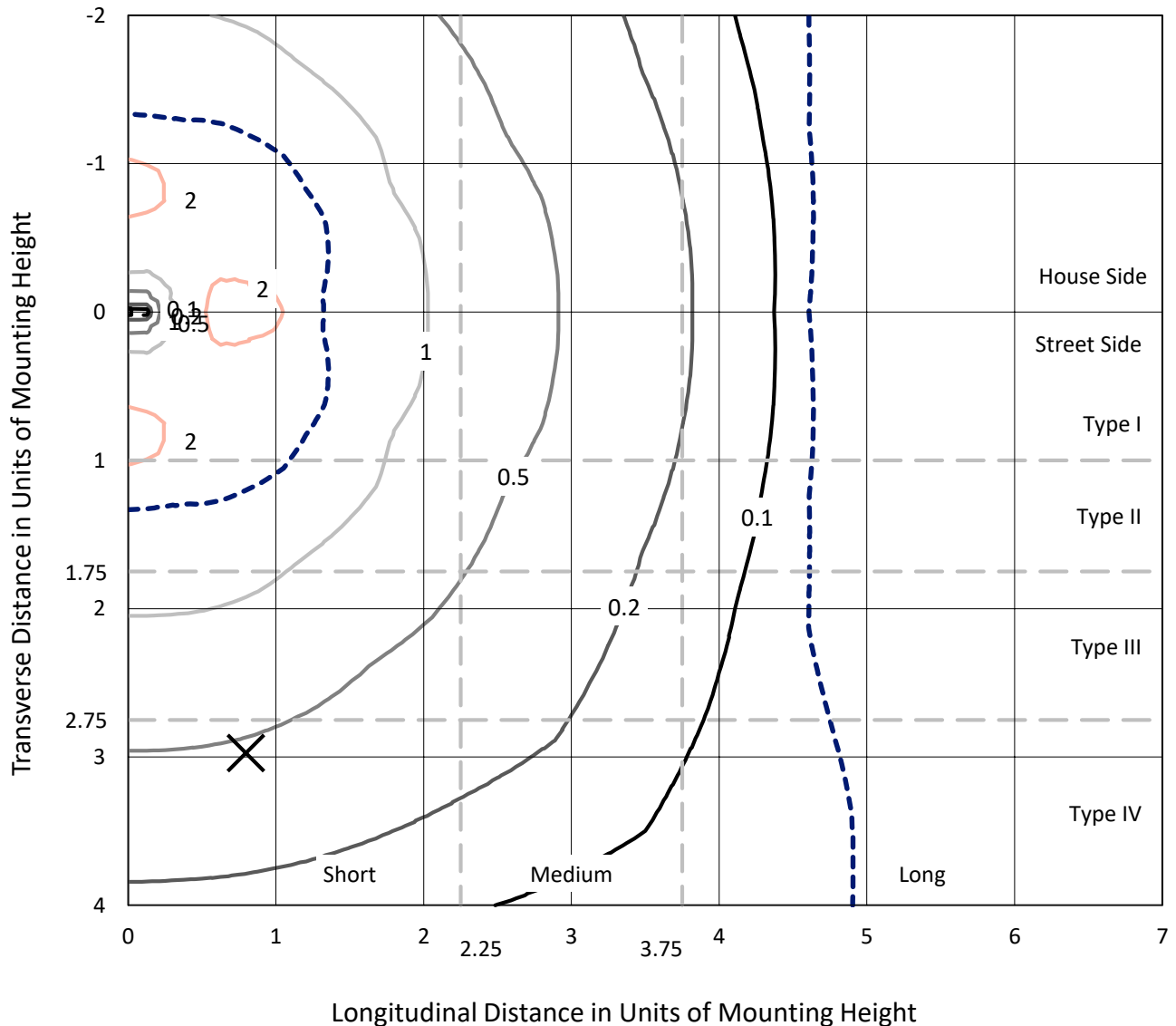


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

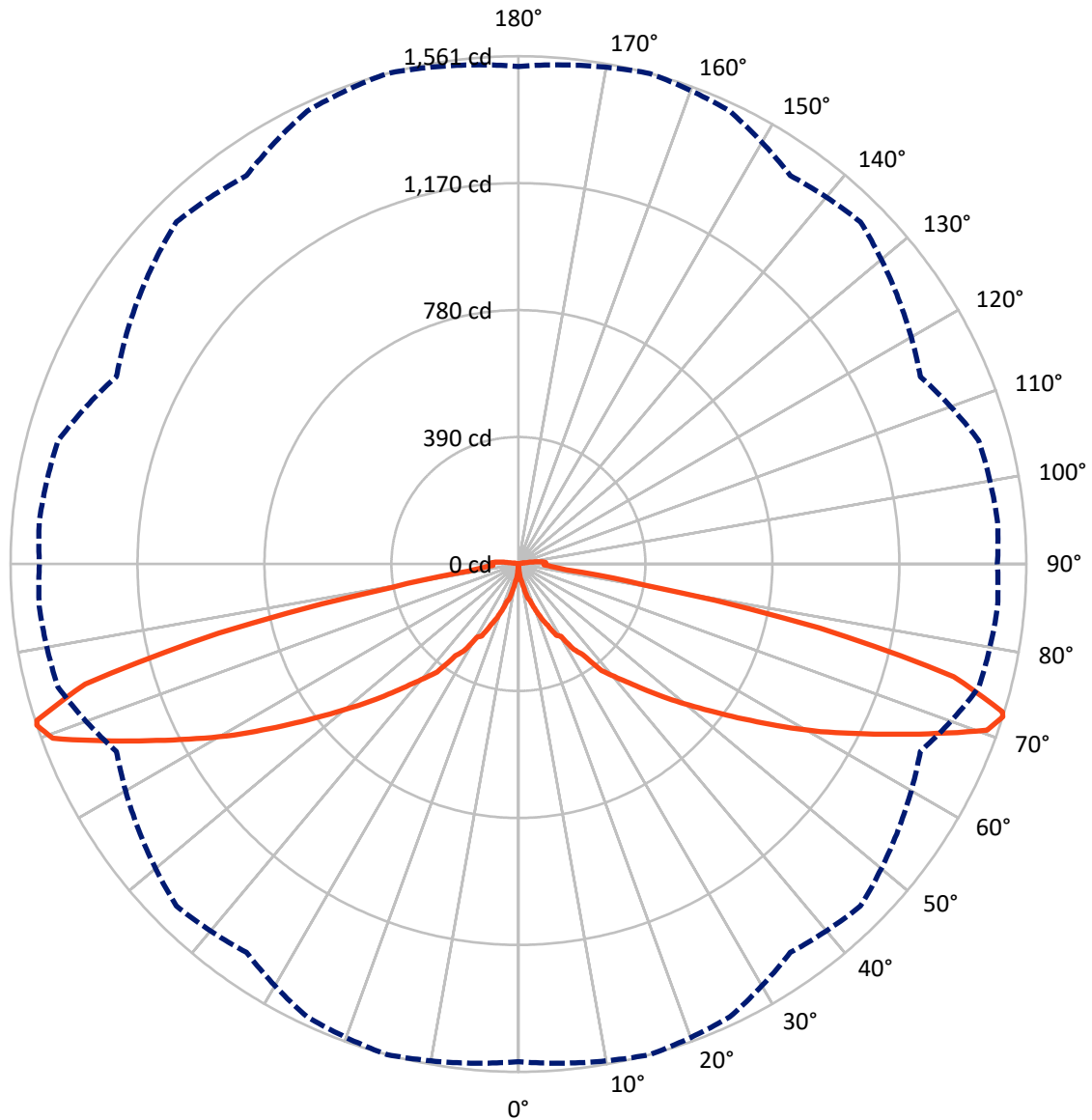


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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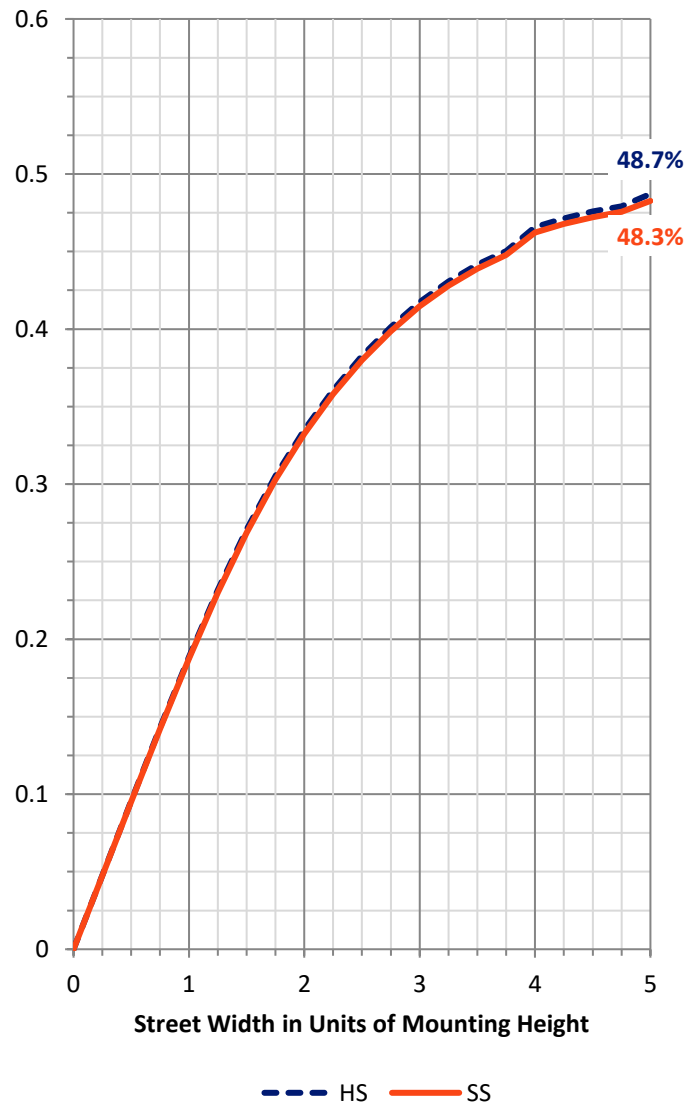
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2107.1	48.6	2155.7
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	2107.1	48.6	2155.7
	% Fixture	48.9	1.1	50.0
Total	Lumens	4214.2	97.2	4311.4
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.0
10°-20°	25.9	0.6
20°-30°	97.6	2.3
30°-40°	220.6	5.1
40°-50°	400.8	9.3
50°-60°	718.7	16.7
60°-70°	1214.8	28.2
70°-80°	1305.0	30.3
80°-90°	228.8	5.3
90°-100°	79.5	1.8
100°-110°	10.6	0.2
110°-120°	3.0	0.1
120°-130°	1.9	0.0
130°-140°	1.1	0.0
140°-150°	0.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4214.2	97.7
0°-180°	4311.4	100.0



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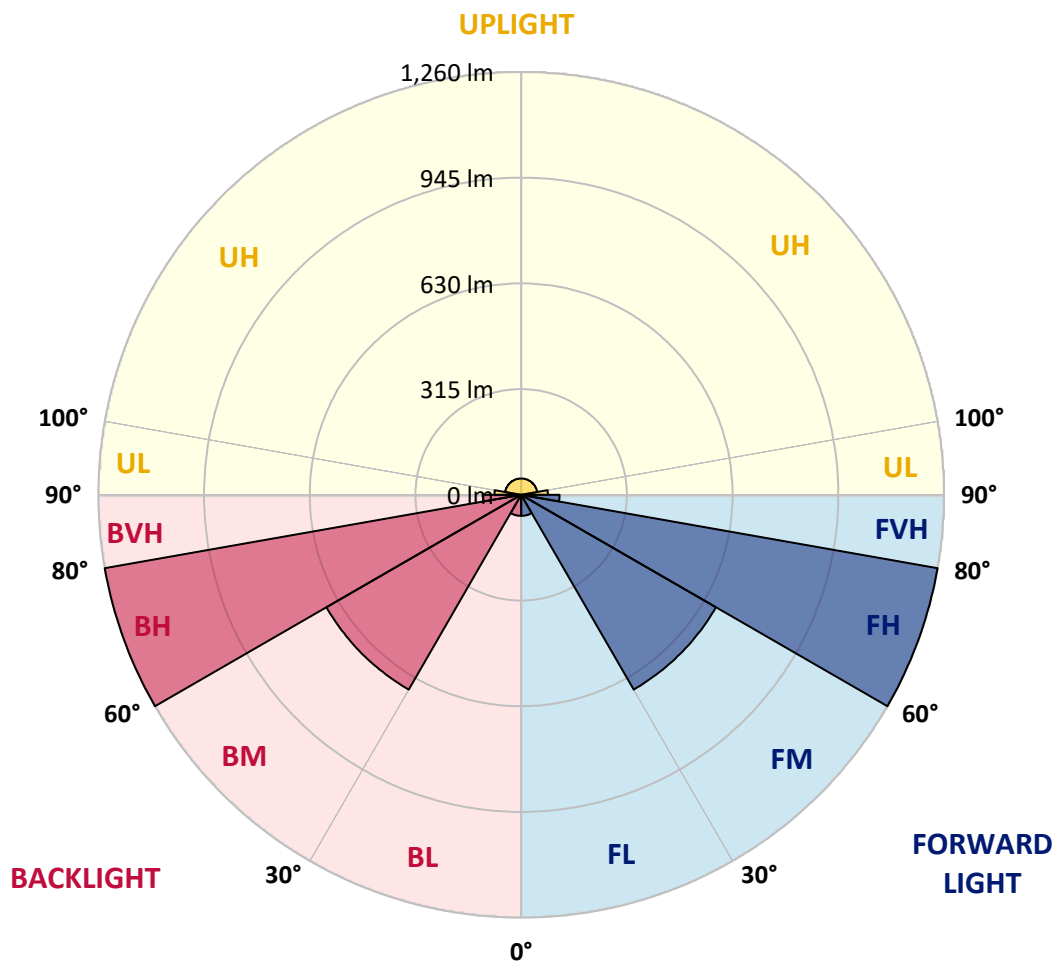
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	62.7	1.5			
FM (30°-60°)	670.1	15.5			
FH (60°-80°)	1259.9	29.2			G1/1800
FVH (80°-90°)	114.4	2.7			G2/225
BL (0°-30°)	62.7	1.5	B0/110		
BM (30°-60°)	670.1	15.5	B1/1000		
BH (60°-80°)	1259.9	29.2	B3/2500		G1/1800
BVH (80°-90°)	114.4	2.7			G2/225
UL (90°-100°)	79.5	1.8		U3/500	
UH (100°-180°)	48.6	1.1		U2/50	

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°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	4.0	4.0	4.0	3.4	3.4	3.4	3.4	2.9	3.4	3.4	3.4
5°	21.9	22.8	20.3	19.8	9.2	7.3	4.4	3.4	3.4	3.4	3.4
7.5°	48.9	48.9	47.5	42.7	31.5	26.2	14.5	5.4	4.0	3.4	3.4
10°	56.3	55.2	52.9	52.9	51.0	46.6	27.7	13.1	5.8	5.4	5.4
12.5°	85.3	85.3	78.1	71.8	56.7	51.5	43.7	31.0	32.0	51.5	58.7
15°	113.9	113.9	109.6	101.8	81.0	60.2	78.5	92.3	78.1	83.9	84.4
17.5°	126.6	126.0	120.3	113.5	104.8	115.5	109.2	105.8	92.3	92.7	94.6
20°	175.6	173.6	151.9	139.2	122.3	147.9	130.0	121.8	155.7	167.3	171.2
22.5°	187.7	186.3	180.5	168.8	176.6	158.7	160.1	176.1	178.9	184.8	186.3
25°	222.2	221.7	208.1	187.3	203.2	181.5	206.2	188.3	199.8	232.8	245.5
27.5°	253.7	252.7	247.9	224.1	214.3	235.2	219.7	244.5	270.2	277.5	283.3
30°	284.3	282.8	258.1	261.4	239.2	249.3	267.8	272.2	281.9	300.8	301.8
32.5°	333.2	329.9	313.3	291.0	284.7	266.8	287.7	288.7	356.0	391.0	399.3
35°	382.3	378.9	342.0	331.8	310.0	316.8	308.0	352.2	379.7	412.8	418.7
37.5°	446.4	442.9	415.3	367.2	346.0	336.2	358.5	376.4	400.2	444.3	443.9
40°	481.2	479.7	454.5	416.8	380.8	369.7	381.4	397.2	434.2	473.9	478.3
42.5°	523.0	519.5	499.7	455.5	425.4	408.4	406.0	437.6	476.8	519.1	520.1
45°	573.4	568.5	554.5	496.2	466.6	453.1	452.6	485.5	531.2	573.4	578.2
47.5°	630.1	625.8	616.6	548.7	520.1	502.6	513.7	534.6	581.1	631.6	637.0
50°	691.3	688.9	681.1	616.1	592.3	564.3	576.8	589.9	645.7	694.3	695.7
52.5°	756.7	758.3	754.9	691.7	665.6	645.1	659.3	656.8	711.2	767.4	766.0
55°	838.8	838.8	840.2	788.8	763.0	727.6	751.9	746.1	795.5	845.5	844.0
57.5°	930.9	931.4	935.8	895.1	873.2	844.0	860.1	849.0	880.4	924.2	919.8
60°	1023.5	1027.5	1041.0	1023.5	995.5	970.7	993.0	937.2	975.5	1015.8	1009.4
62.5°	1119.2	1125.0	1145.4	1142.0	1111.8	1101.3	1119.6	1046.8	1097.8	1107.1	1100.7
65°	1229.7	1231.3	1259.8	1261.3	1216.2	1237.1	1230.7	1149.7	1221.5	1213.3	1212.2
67.5°	1352.5	1362.7	1388.9	1376.7	1316.6	1334.0	1323.9	1246.7	1321.9	1319.6	1315.2
70°	1502.9	1507.2	1528.1	1483.4	1397.1	1420.9	1392.3	1327.3	1430.5	1448.0	1443.7
72°	1529.1	1539.7	1560.5	1535.8	1456.8	1486.4	1424.7	1362.7	1464.5	1478.1	1471.8
72.5°	1522.3	1530.9	1555.2	1534.4	1464.1	1496.1	1428.7	1361.7	1455.8	1469.9	1462.1
75°	1326.7	1325.8	1381.6	1420.4	1445.6	1540.2	1409.7	1286.0	1298.6	1296.2	1284.1
77.5°	844.6	870.8	945.4	1073.0	1260.8	1433.1	1249.2	1030.4	923.1	860.5	833.8
80°	294.5	314.8	395.4	566.1	879.5	1093.4	875.1	568.5	378.4	294.0	290.1
82.5°	116.9	133.9	147.5	195.5	411.9	639.8	408.9	211.5	169.8	153.3	148.5
85°	92.7	95.0	104.8	111.6	149.3	206.6	181.5	128.1	119.3	107.2	104.8
87.5°	81.5	83.5	78.5	80.6	104.4	116.0	113.9	82.5	73.8	81.0	78.1
90°	85.3	86.4	79.1	80.1	105.8	118.9	110.2	77.6	76.7	84.9	82.0
92.5°	91.2	92.7	84.9	85.3	109.2	123.3	110.6	77.1	83.5	91.2	88.3
95°	74.8	76.7	71.3	73.2	95.0	110.2	98.5	68.9	74.2	88.8	85.9
97.5°	44.1	46.1	45.6	58.2	62.6	68.9	64.0	47.5	45.6	49.9	47.1
100°	7.7	9.8	20.3	38.4	35.4	30.0	33.0	29.6	19.4	10.2	7.3
102.5°	7.3	7.7	15.1	20.9	15.1	10.7	14.5	17.5	11.2	6.8	6.8
105°	7.3	7.7	8.2	8.7	4.8	4.4	6.3	10.2	6.8	6.8	6.8
107.5°	6.8	6.8	4.4	4.0	4.0	4.4	4.0	4.4	4.8	6.3	6.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	5.8	5.8	4.0	3.4	3.4	4.0	3.4	4.0	4.0	4.8	4.8
112.5°	4.4	4.4	2.9	2.9	2.9	3.4	2.9	2.9	3.4	4.0	4.0
115°	4.4	4.4	2.9	2.4	2.4	2.9	2.4	2.4	2.9	4.0	4.0
117.5°	4.0	4.0	2.4	1.9	1.9	1.9	1.9	1.9	2.9	4.0	4.0
120°	4.0	4.0	2.4	1.9	1.9	1.4	1.9	1.9	2.4	4.0	4.0
122.5°	4.0	4.0	2.4	1.4	1.4	1.4	1.4	1.9	2.4	3.4	4.0
125°	4.0	3.4	2.4	1.4	1.4	1.4	1.4	1.4	2.4	3.4	3.4
127.5°	3.4	3.4	2.4	1.4	1.4	1.0	1.0	1.4	1.9	2.9	3.4
130°	3.4	3.4	2.4	1.4	1.4	1.0	1.0	1.0	1.9	2.9	2.9
132.5°	2.9	2.9	1.9	1.0	1.0	1.0	1.0	1.0	1.4	2.4	2.4
135°	2.4	2.4	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9
137.5°	2.4	2.4	1.9	1.4	1.0	1.0	1.0	1.0	1.0	1.4	1.4
140°	2.4	2.4	1.9	1.4	1.0	1.0	1.0	1.0	1.4	1.4	1.4
142.5°	2.4	2.4	1.9	1.4	1.0	1.0	1.0	1.0	1.4	1.4	1.4
145°	2.4	2.4	1.9	1.4	1.0	1.0	1.0	1.4	1.4	1.9	1.9
147.5°	2.4	2.4	1.9	1.4	1.0	0.4	1.0	1.4	1.9	1.9	1.9
150°	2.4	2.4	1.9	1.0	0.4	0.0	0.4	1.0	1.4	1.9	1.9
152.5°	1.9	1.9	1.4	0.4	0.4	0.0	0.0	0.4	1.4	1.4	1.4
155°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
157.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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)