

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: P266054

Luminaire Tested: **LXF.LXT-AF24-40-D-U-5WQ-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266054
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-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 3873 lumens
Efficiency: N/A
Efficacy: 96.8 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

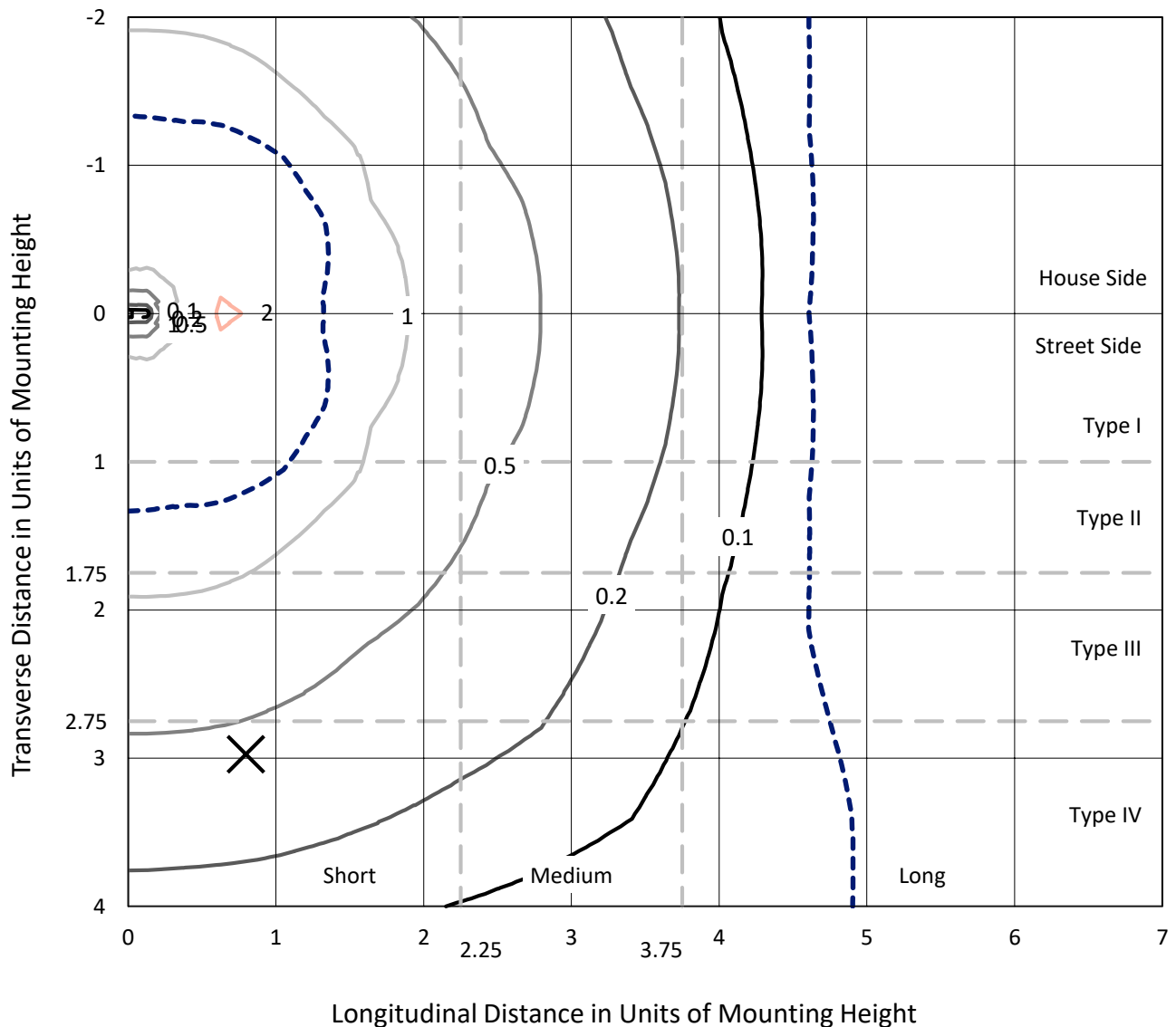


REPORT NUMBER: P266054

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-CL-7027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

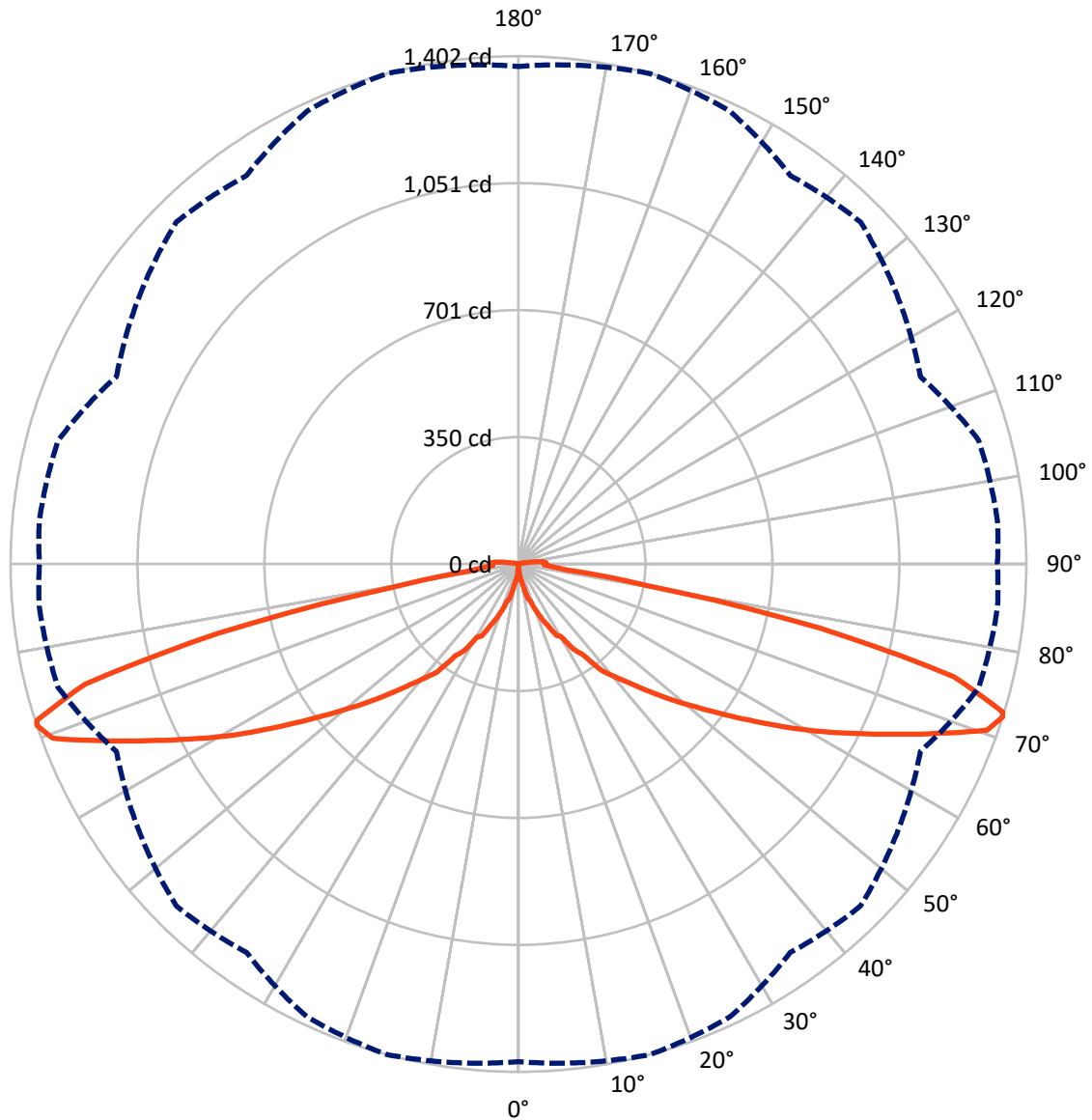


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P266054

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-CL-7027

Luminous Intensity Polar Plot



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

REPORT NUMBER: P266054

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-CL-7027

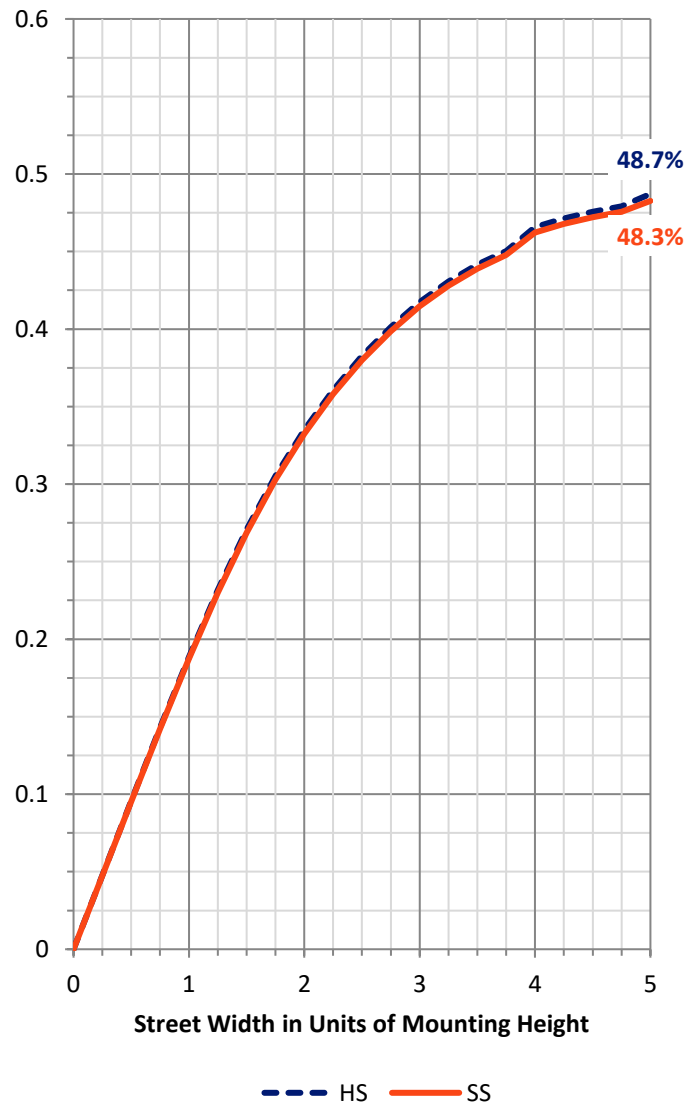
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1892.8	43.7	1936.5
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	1892.8	43.7	1936.5
	% Fixture	48.9	1.1	50.0
Total	Lumens	3785.6	87.4	3873.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.0
10°-20°	23.3	0.6
20°-30°	87.7	2.3
30°-40°	198.2	5.1
40°-50°	360.0	9.3
50°-60°	645.6	16.7
60°-70°	1091.2	28.2
70°-80°	1172.3	30.3
80°-90°	205.5	5.3
90°-100°	71.5	1.8
100°-110°	9.5	0.2
110°-120°	2.7	0.1
120°-130°	1.7	0.0
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3785.6	97.7
0°-180°	3873.0	100.0



REPORT NUMBER: P266054

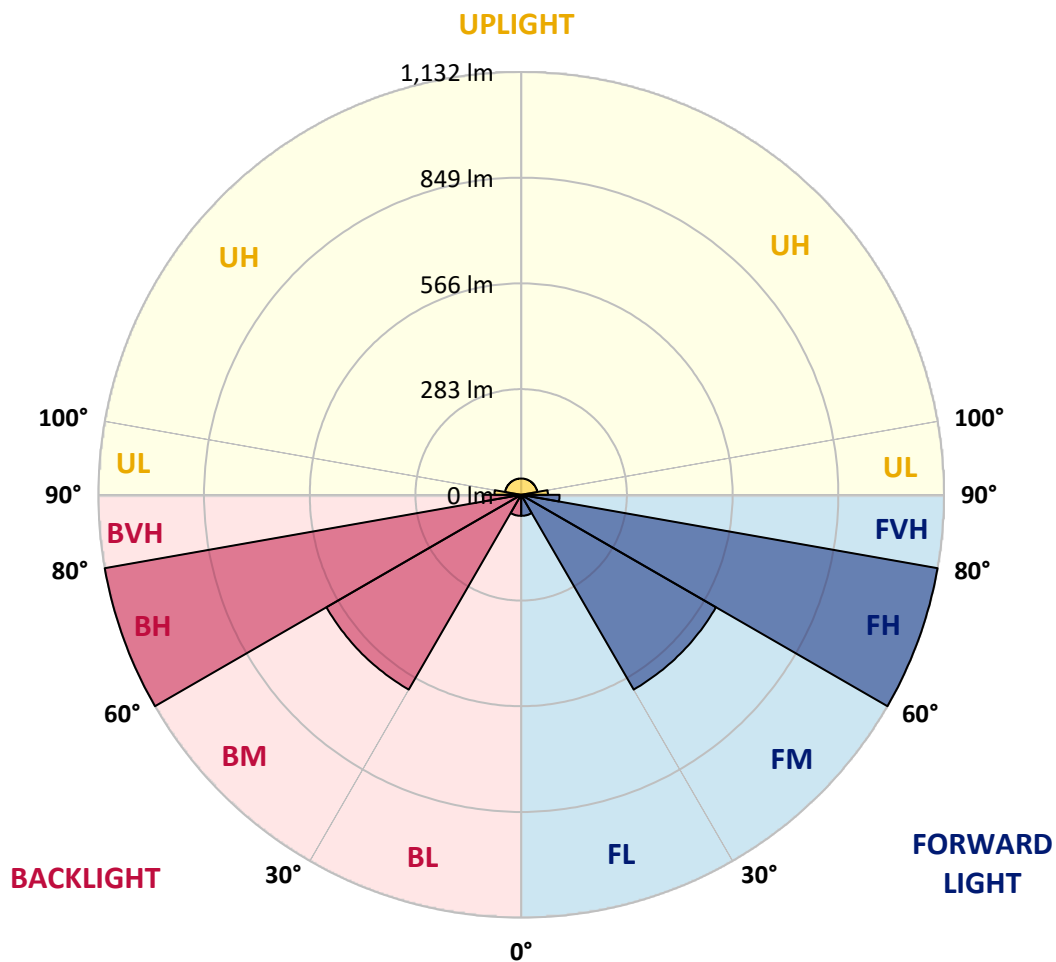
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.3	1.5			
FM	(30°-60°)	601.9	15.5			
FH	(60°-80°)	1131.8	29.2			G1/1800
FVH	(80°-90°)	102.8	2.7			G2/225
BL	(0°-30°)	56.3	1.5	B0/110		
BM	(30°-60°)	601.9	15.5	B1/1000		
BH	(60°-80°)	1131.8	29.2	B3/2500		G1/1800
BVH	(80°-90°)	102.8	2.7			G2/225
UL	(90°-100°)	71.5	1.8		U3/500	
UH	(100°-180°)	43.7	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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	3.6	3.6	3.6	3.1	3.1	3.1	3.1	2.6	3.1	3.1	3.1
5°	19.7	20.5	18.2	17.8	8.3	6.6	4.0	3.1	3.1	3.1	3.1
7.5°	43.9	43.9	42.7	38.4	28.3	23.5	13.0	4.9	3.6	3.1	3.1
10°	50.6	49.6	47.5	47.5	45.8	41.9	24.9	11.8	5.2	4.9	4.9
12.5°	76.6	76.6	70.2	64.5	50.9	46.3	39.3	27.8	28.7	46.3	52.7
15°	102.3	102.3	98.5	91.4	72.8	54.1	70.5	82.9	70.2	75.4	75.8
17.5°	113.7	113.2	108.1	102.0	94.1	103.8	98.1	95.0	82.9	83.3	85.0
20°	157.7	155.9	136.5	125.0	109.9	132.9	116.8	109.4	139.9	150.3	153.8
22.5°	168.6	167.4	162.1	151.6	158.6	142.6	143.8	158.2	160.7	166.0	167.4
25°	199.6	199.2	186.9	168.3	182.5	163.0	185.2	169.2	179.5	209.1	220.5
27.5°	227.9	227.0	222.7	201.3	192.5	211.3	197.4	219.6	242.7	249.3	254.5
30°	255.4	254.0	231.9	234.8	214.9	223.9	240.6	244.5	253.2	270.2	271.1
32.5°	299.3	296.4	281.4	261.4	255.7	239.7	258.4	259.3	319.8	351.2	358.7
35°	343.4	340.4	307.2	298.1	278.5	284.6	276.7	316.4	341.1	370.8	376.1
37.5°	401.0	397.9	373.1	329.9	310.8	302.0	322.0	338.1	359.5	399.1	398.8
40°	432.3	430.9	408.3	374.4	342.1	332.1	342.6	356.8	390.0	425.7	429.7
42.5°	469.8	466.7	448.9	409.2	382.1	366.9	364.7	393.1	428.3	466.3	467.2
45°	515.1	510.7	498.1	445.7	419.1	407.0	406.6	436.1	477.2	515.1	519.4
47.5°	566.0	562.2	553.9	492.9	467.2	451.5	461.5	480.2	522.0	567.4	572.2
50°	621.0	618.8	611.8	553.4	532.1	506.9	518.1	529.9	580.0	623.7	625.0
52.5°	679.7	681.2	678.1	621.4	597.9	579.5	592.3	590.0	638.9	689.4	688.1
55°	753.5	753.5	754.8	708.6	685.4	653.6	675.4	670.2	714.6	759.5	758.2
57.5°	836.2	836.7	840.6	804.1	784.4	758.2	772.6	762.7	790.9	830.2	826.3
60°	919.4	923.0	935.1	919.4	894.3	872.0	892.0	841.9	876.3	912.5	906.7
62.5°	1005.4	1010.6	1028.9	1025.9	998.7	989.3	1005.7	940.3	986.2	994.5	988.8
65°	1104.6	1106.1	1131.7	1133.0	1092.5	1111.3	1105.5	1032.8	1097.3	1089.9	1088.9
67.5°	1215.0	1224.1	1247.7	1236.7	1182.7	1198.3	1189.3	1119.9	1187.5	1185.4	1181.5
70°	1350.1	1353.9	1372.7	1332.5	1255.0	1276.4	1250.7	1192.3	1285.0	1300.7	1296.9
72°	1373.6	1383.1	1401.8	1379.6	1308.7	1335.2	1279.8	1224.1	1315.6	1327.8	1322.1
72.5°	1367.5	1375.2	1397.0	1378.4	1315.2	1344.0	1283.4	1223.2	1307.8	1320.4	1313.4
75°	1191.8	1191.0	1241.1	1276.0	1298.6	1383.6	1266.3	1155.2	1166.5	1164.4	1153.5
77.5°	758.7	782.2	849.3	963.9	1132.6	1287.4	1122.2	925.6	829.2	773.0	749.0
80°	264.6	282.8	355.2	508.5	790.1	982.2	786.1	510.7	339.9	264.1	260.6
82.5°	105.0	120.3	132.5	175.6	370.0	574.7	367.3	190.0	152.5	137.7	133.4
85°	83.3	85.3	94.1	100.3	134.1	185.6	163.0	115.1	107.2	96.3	94.1
87.5°	73.2	75.0	70.5	72.4	93.8	104.2	102.3	74.1	66.3	72.8	70.2
90°	76.6	77.6	71.1	72.0	95.0	106.8	99.0	69.7	68.9	76.3	73.7
92.5°	81.9	83.3	76.3	76.6	98.1	110.8	99.4	69.3	75.0	81.9	79.3
95°	67.2	68.9	64.0	65.8	85.3	99.0	88.5	61.9	66.7	79.8	77.2
97.5°	39.6	41.4	41.0	52.3	56.2	61.9	57.5	42.7	41.0	44.8	42.3
100°	6.9	8.8	18.2	34.5	31.8	26.9	29.6	26.6	17.4	9.2	6.6
102.5°	6.6	6.9	13.6	18.8	13.6	9.6	13.0	15.7	10.1	6.1	6.1
105°	6.6	6.9	7.4	7.8	4.3	4.0	5.7	9.2	6.1	6.1	6.1
107.5°	6.1	6.1	4.0	3.6	3.6	4.0	3.6	4.0	4.3	5.7	6.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	5.2	5.2	3.6	3.1	3.1	3.6	3.1	3.6	3.6	4.3	4.3
112.5°	4.0	4.0	2.6	2.6	2.6	3.1	2.6	2.6	3.1	3.6	3.6
115°	4.0	4.0	2.6	2.2	2.2	2.6	2.2	2.2	2.6	3.6	3.6
117.5°	3.6	3.6	2.2	1.7	1.7	1.7	1.7	1.7	2.6	3.6	3.6
120°	3.6	3.6	2.2	1.7	1.7	1.3	1.7	1.7	2.2	3.6	3.6
122.5°	3.6	3.6	2.2	1.3	1.3	1.3	1.3	1.7	2.2	3.1	3.6
125°	3.6	3.1	2.2	1.3	1.3	1.3	1.3	1.3	2.2	3.1	3.1
127.5°	3.1	3.1	2.2	1.3	1.3	0.9	0.9	1.3	1.7	2.6	3.1
130°	3.1	3.1	2.2	1.3	1.3	0.9	0.9	0.9	1.7	2.6	2.6
132.5°	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	1.3	2.2	2.2
135°	2.2	2.2	1.7	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7
137.5°	2.2	2.2	1.7	1.3	0.9	0.9	0.9	0.9	0.9	1.3	1.3
140°	2.2	2.2	1.7	1.3	0.9	0.9	0.9	0.9	1.3	1.3	1.3
142.5°	2.2	2.2	1.7	1.3	0.9	0.9	0.9	0.9	1.3	1.3	1.3
145°	2.2	2.2	1.7	1.3	0.9	0.9	0.9	1.3	1.3	1.7	1.7
147.5°	2.2	2.2	1.7	1.3	0.9	0.4	0.9	1.3	1.7	1.7	1.7
150°	2.2	2.2	1.7	0.9	0.4	0.0	0.4	0.9	1.3	1.7	1.7
152.5°	1.7	1.7	1.3	0.4	0.4	0.0	0.0	0.4	1.3	1.3	1.3
155°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
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)