

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: P266084

Luminaire Tested: **LXF.LXT-AF24-50-D-U-5WQ-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-28)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-5WQ-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA 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: 4913.3 lumens
Efficiency: N/A
Efficacy: 91.0 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): 54
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

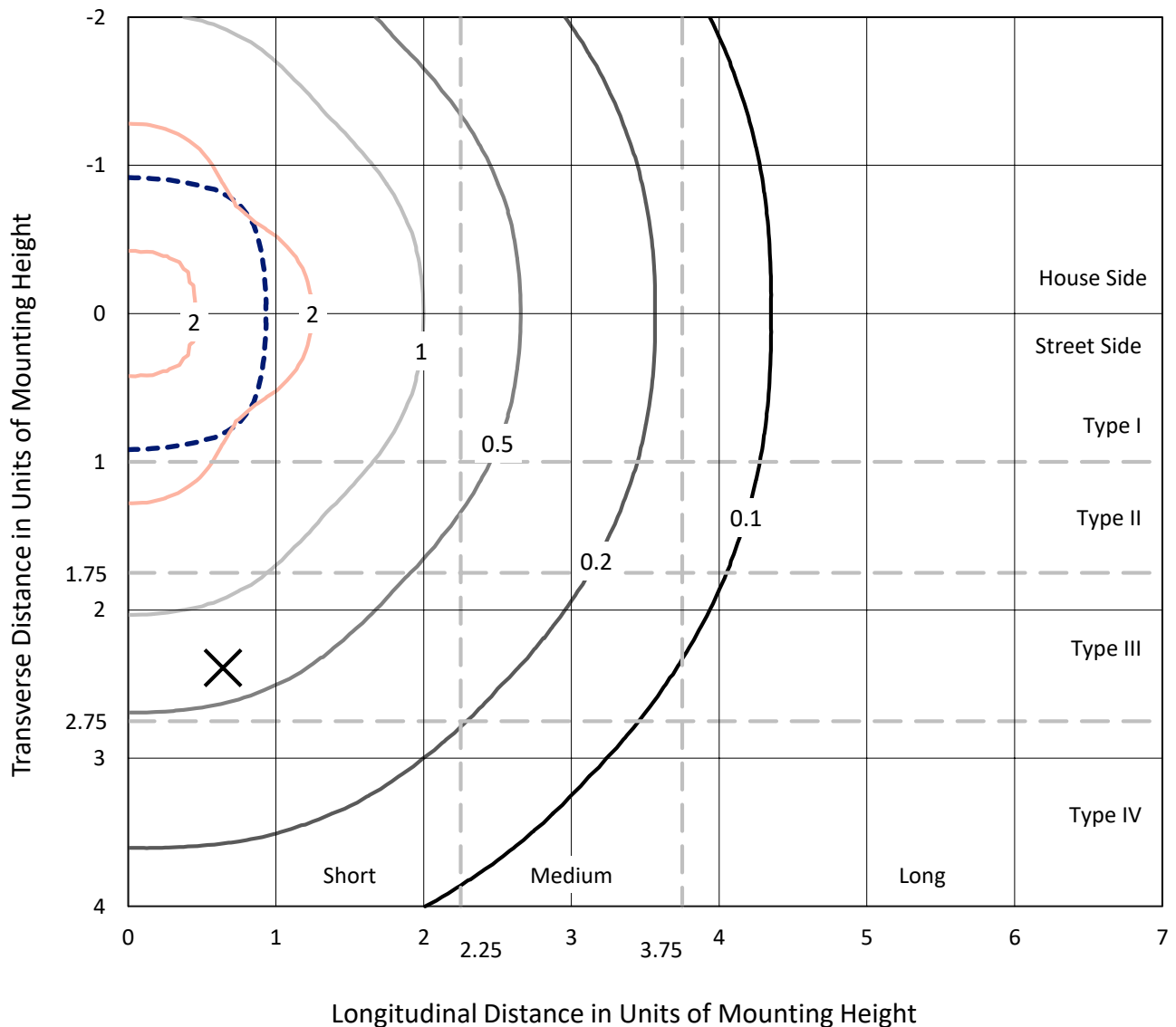


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

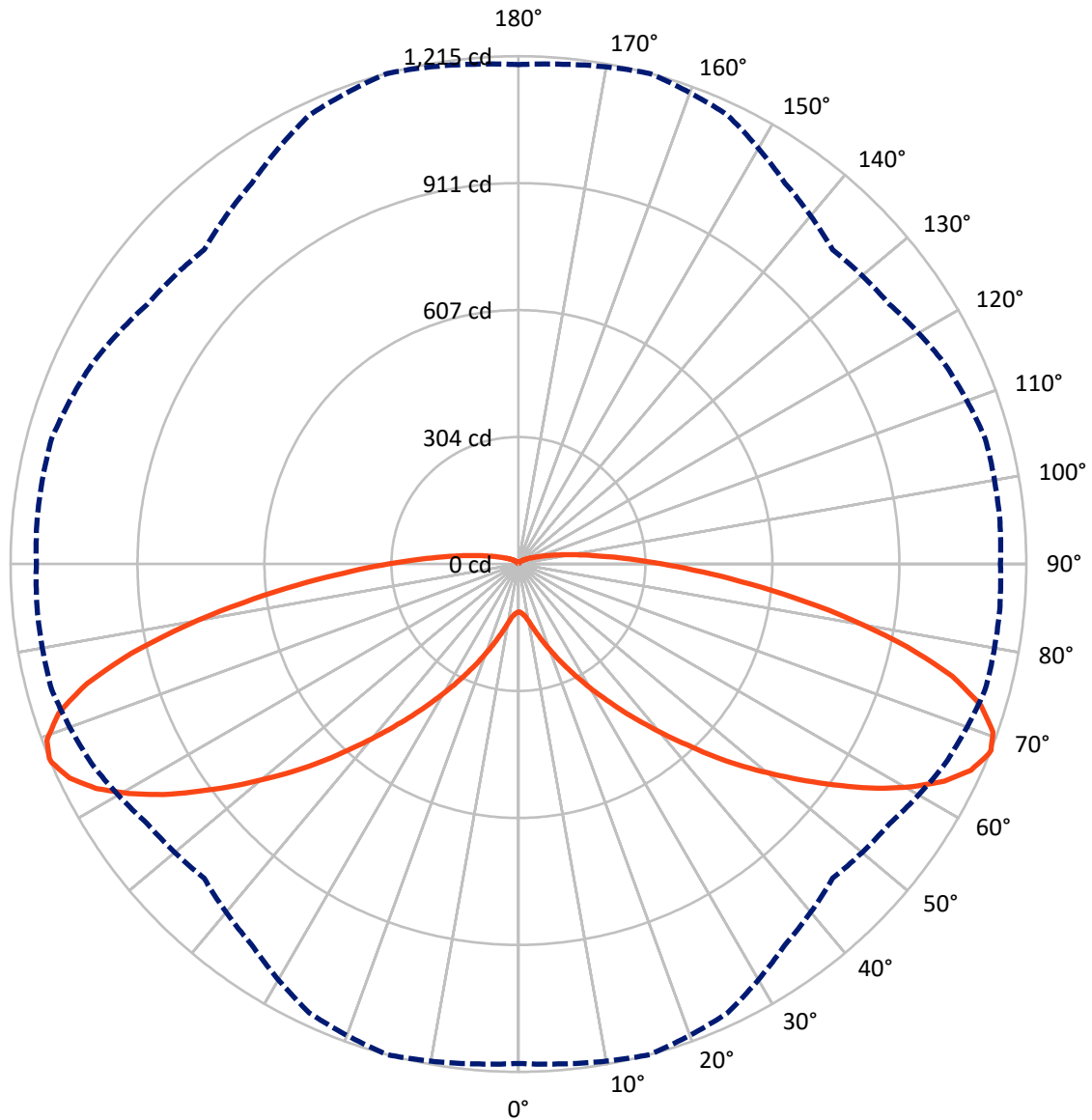


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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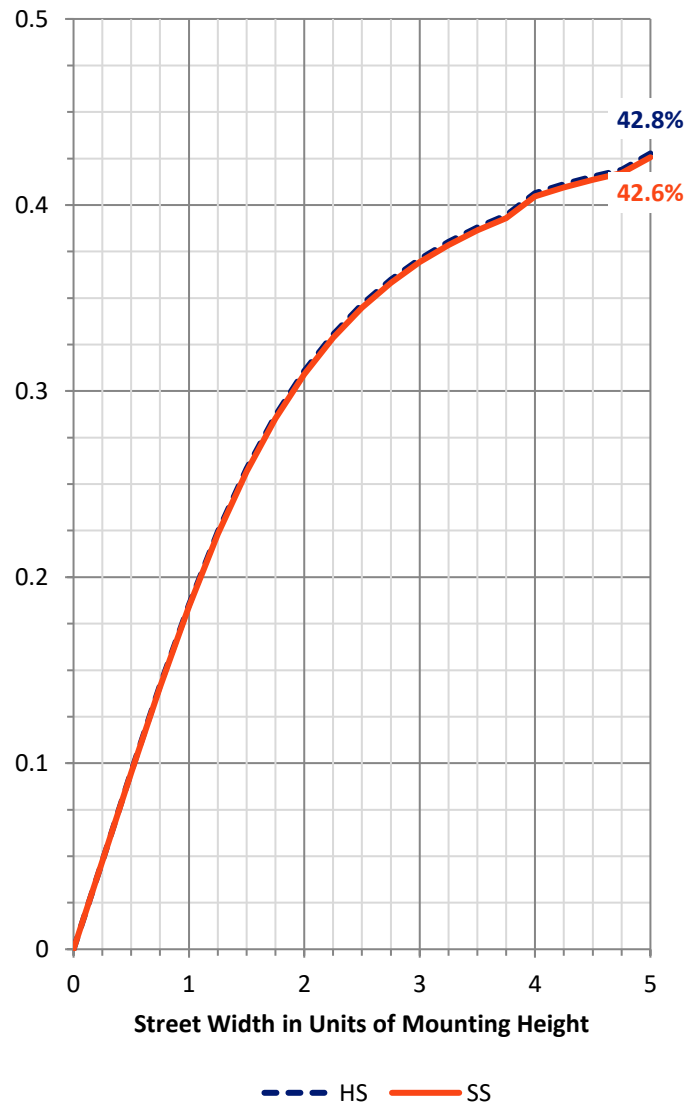
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2251.2	205.4	2456.7
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	2251.2	205.4	2456.7
	% Fixture	45.8	4.2	50.0
Total	Lumens	4502.4	410.9	4913.3
	% Fixture	91.6	8.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.2
10°-20°	50.4	1.0
20°-30°	128.4	2.6
30°-40°	266.8	5.4
40°-50°	486.9	9.9
50°-60°	795.4	16.2
60°-70°	1097.2	22.3
70°-80°	1060.1	21.6
80°-90°	605.0	12.3
90°-100°	243.5	5.0
100°-110°	95.6	1.9
110°-120°	41.4	0.8
120°-130°	19.0	0.4
130°-140°	8.3	0.2
140°-150°	2.7	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4502.4	91.6
0°-180°	4913.3	100.0



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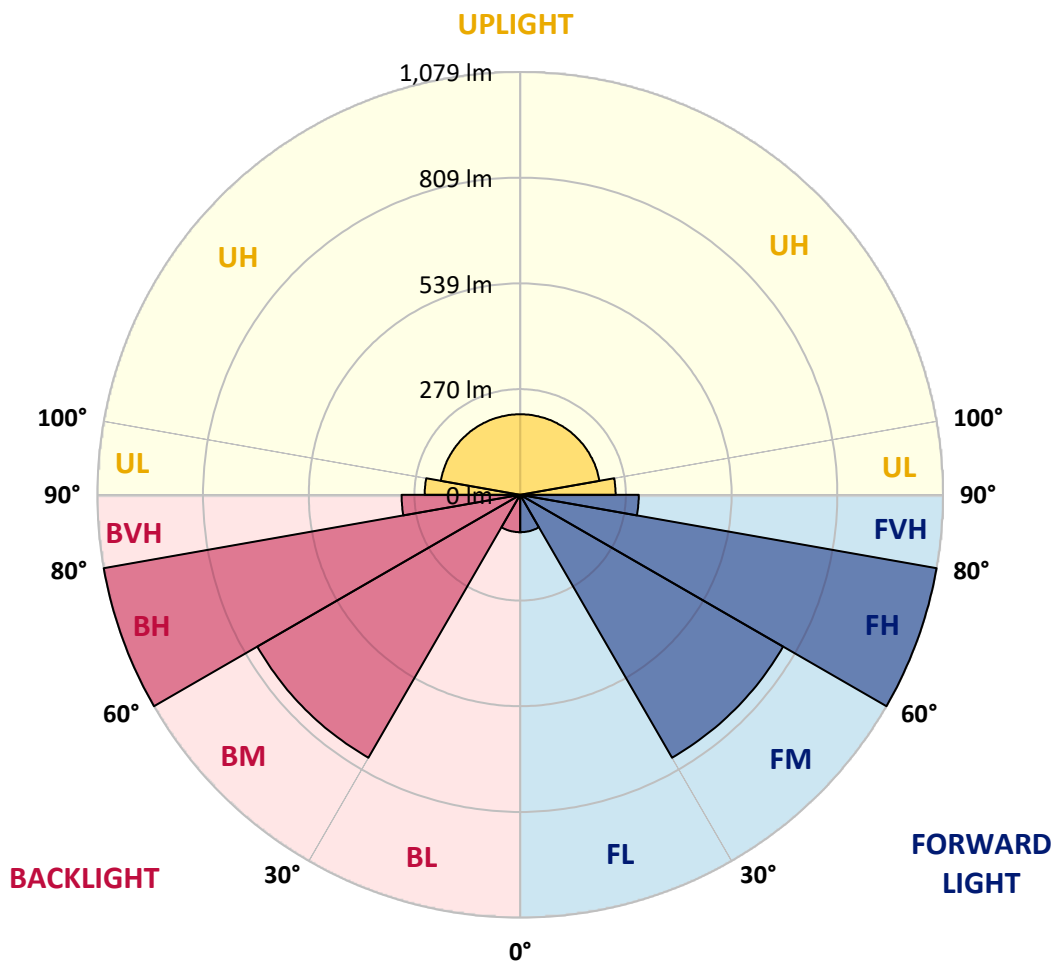
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.5	1.9			
FM (30°-60°)	774.6	15.8			
FH (60°-80°)	1078.7	22.0			G1/1800
FVH (80°-90°)	302.5	6.2			G3/500
BL (0°-30°)	95.5	1.9	B0/110		
BM (30°-60°)	774.6	15.8	B1/1000		
BH (60°-80°)	1078.7	22.0	B3/2500		G1/1800
BVH (80°-90°)	302.5	6.2			G3/500
UL (90°-100°)	243.5	5.0		U3/500	
UH (100°-180°)	205.4	4.2		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°	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7
2.5°	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	115.7	115.7	115.7
5°	120.3	120.8	120.8	120.8	120.8	120.8	120.8	120.3	120.3	120.3	120.3
7.5°	128.1	128.1	128.1	128.1	128.1	127.6	127.6	127.6	127.0	127.0	126.4
10°	140.4	140.4	140.4	140.0	139.3	138.8	138.8	138.2	137.7	137.7	137.1
12.5°	156.8	156.8	156.8	154.0	153.4	152.4	152.4	152.4	152.8	152.8	153.4
15°	176.4	176.4	176.4	173.1	170.8	168.1	169.2	169.7	170.8	170.8	171.3
17.5°	199.0	199.0	197.7	194.5	191.1	189.4	188.3	189.9	191.1	192.1	192.1
20°	223.7	223.7	221.9	217.5	214.1	213.0	211.8	211.8	214.7	215.8	214.7
22.5°	251.7	250.5	249.5	243.9	240.4	237.7	237.7	237.2	240.4	242.7	242.3
25°	283.8	282.6	279.3	273.1	269.1	265.8	265.2	265.2	270.7	274.3	273.7
27.5°	318.5	316.9	312.4	305.7	299.4	295.1	295.5	297.8	302.9	309.0	309.0
30°	356.7	355.6	348.5	341.6	331.6	325.9	327.1	333.2	340.0	346.7	347.3
32.5°	398.9	396.7	388.2	379.3	366.9	359.6	361.8	369.2	379.3	389.3	390.0
35°	445.6	443.4	433.3	420.9	405.1	395.6	398.9	410.2	423.7	435.5	436.0
37.5°	496.1	492.8	480.5	467.5	446.2	434.9	440.4	455.1	470.9	484.4	486.1
40°	547.8	547.8	534.4	517.0	491.2	477.5	483.7	503.5	523.7	536.1	538.9
42.5°	605.7	606.3	591.2	570.3	540.1	524.3	531.5	554.7	579.3	592.8	595.7
45°	666.5	668.1	656.9	627.6	592.8	573.7	582.1	611.3	638.9	653.0	655.1
47.5°	731.6	733.8	723.1	689.4	649.6	628.8	637.7	670.9	703.0	716.5	718.6
50°	800.7	802.4	789.5	756.4	711.4	686.0	697.4	734.5	767.5	781.0	784.4
52.5°	872.1	873.8	861.5	828.2	776.0	747.8	761.5	800.2	837.2	849.1	849.5
55°	943.9	946.3	935.6	899.7	843.4	811.3	826.6	867.7	907.5	918.7	922.1
57.5°	1014.8	1017.1	1012.6	972.1	912.0	875.5	892.8	937.8	977.1	986.2	986.7
60°	1081.1	1085.1	1081.6	1041.8	976.5	936.8	955.3	1002.5	1041.8	1049.1	1050.2
62.5°	1139.6	1141.7	1143.5	1107.5	1033.9	990.7	1011.4	1060.3	1098.5	1102.9	1102.5
65°	1179.5	1184.0	1189.5	1154.7	1080.5	1033.9	1055.2	1102.9	1138.4	1141.7	1139.6
67.5°	1194.7	1200.9	1213.2	1182.3	1109.1	1060.3	1081.1	1125.4	1155.8	1157.6	1153.7
68°	1194.7	1200.2	1214.9	1184.5	1112.0	1063.1	1083.4	1127.3	1156.4	1156.4	1153.1
70°	1177.1	1185.0	1204.2	1181.1	1112.6	1065.4	1082.7	1120.5	1145.2	1140.7	1135.5
72.5°	1122.2	1131.1	1156.9	1143.0	1086.7	1044.5	1056.9	1084.4	1095.8	1086.7	1081.6
75°	1026.7	1036.1	1071.6	1069.3	1029.4	994.6	1001.9	1014.2	1014.2	997.4	988.3
77.5°	906.4	915.4	950.1	964.2	945.1	919.2	919.2	916.5	902.4	874.3	866.4
80°	763.6	771.6	808.6	838.4	835.1	820.4	813.7	795.7	770.9	740.1	728.7
82.5°	620.9	629.4	665.4	695.6	715.3	709.8	698.0	669.7	633.2	599.0	592.3
85°	492.2	495.1	532.6	571.4	593.9	596.1	583.8	547.8	510.1	476.6	468.6
87.5°	383.8	387.7	418.6	458.0	485.4	487.7	475.4	438.8	402.4	372.0	365.3
90°	295.1	301.2	325.9	361.3	387.7	393.4	381.1	348.5	314.0	286.6	281.0
92.5°	227.6	231.6	253.4	283.8	307.8	315.2	303.9	275.3	245.5	221.4	219.1
95°	178.8	179.8	197.3	223.0	243.4	252.9	242.3	218.0	192.1	172.6	170.3
97.5°	138.2	140.4	154.5	176.4	195.0	201.2	193.2	173.1	151.8	133.2	131.5
100°	107.3	109.1	121.5	141.0	156.2	161.9	155.6	138.8	119.1	104.6	104.6
102.5°	85.3	86.0	96.1	112.4	124.8	129.7	125.4	111.3	94.4	82.6	83.2
105°	68.5	68.5	76.4	91.0	102.9	106.2	102.2	89.9	75.3	66.4	66.4
107.5°	55.1	55.7	61.9	74.2	84.8	88.3	84.8	73.7	60.6	54.0	54.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	45.5	45.5	50.0	60.6	70.2	73.7	70.2	60.1	49.4	43.8	43.8
112.5°	37.6	37.6	41.1	50.0	58.4	61.9	58.4	49.4	40.5	36.6	36.6
115°	32.0	32.0	34.2	41.6	48.9	51.7	48.9	41.6	33.7	31.5	31.5
117.5°	27.6	27.6	29.3	34.9	41.1	43.8	41.1	34.2	28.7	26.9	26.9
120°	24.2	24.2	24.8	28.7	34.2	36.6	34.2	28.7	24.2	23.0	23.0
122.5°	20.8	20.8	20.8	24.2	28.7	30.4	28.0	24.2	20.8	20.2	20.2
125°	18.5	18.0	18.5	20.2	23.5	25.8	23.5	20.2	18.0	18.0	18.0
127.5°	16.3	16.3	15.7	16.9	19.7	20.8	19.7	16.9	15.7	15.7	15.7
130°	14.1	14.1	14.1	14.6	15.7	16.9	16.3	14.6	14.1	14.1	14.1
132.5°	12.3	12.3	11.8	12.3	12.9	13.5	12.9	11.8	11.8	12.3	12.3
135°	10.7	10.7	10.7	10.2	10.2	10.7	10.2	10.2	10.7	10.7	10.7
137.5°	9.5	9.5	9.1	8.4	7.8	7.8	7.8	8.4	9.1	9.1	9.5
140°	7.8	7.8	7.2	6.7	6.2	6.2	6.2	6.7	7.2	7.8	7.8
142.5°	6.7	6.7	6.2	5.1	4.5	4.0	4.5	5.1	5.6	6.2	6.2
145°	5.1	5.1	4.5	4.0	3.4	2.9	2.9	4.0	4.5	5.1	5.1
147.5°	4.0	4.0	3.4	2.9	2.2	1.6	1.6	2.9	3.4	4.0	4.0
150°	2.9	2.9	2.2	1.6	1.1	1.1	1.1	1.6	2.2	2.2	2.9
152.5°	1.6	1.6	1.1	1.1	0.5	0.5	0.5	1.1	1.1	1.6	1.6
155°	0.5	1.1	0.5	0.5	0.5	0.0	0.5	0.5	0.5	1.1	1.1
157.5°	0.5	0.0	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)