

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: P254799

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254799
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
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 5784.8 lumens
Efficiency: N/A
Efficacy: 107.1 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

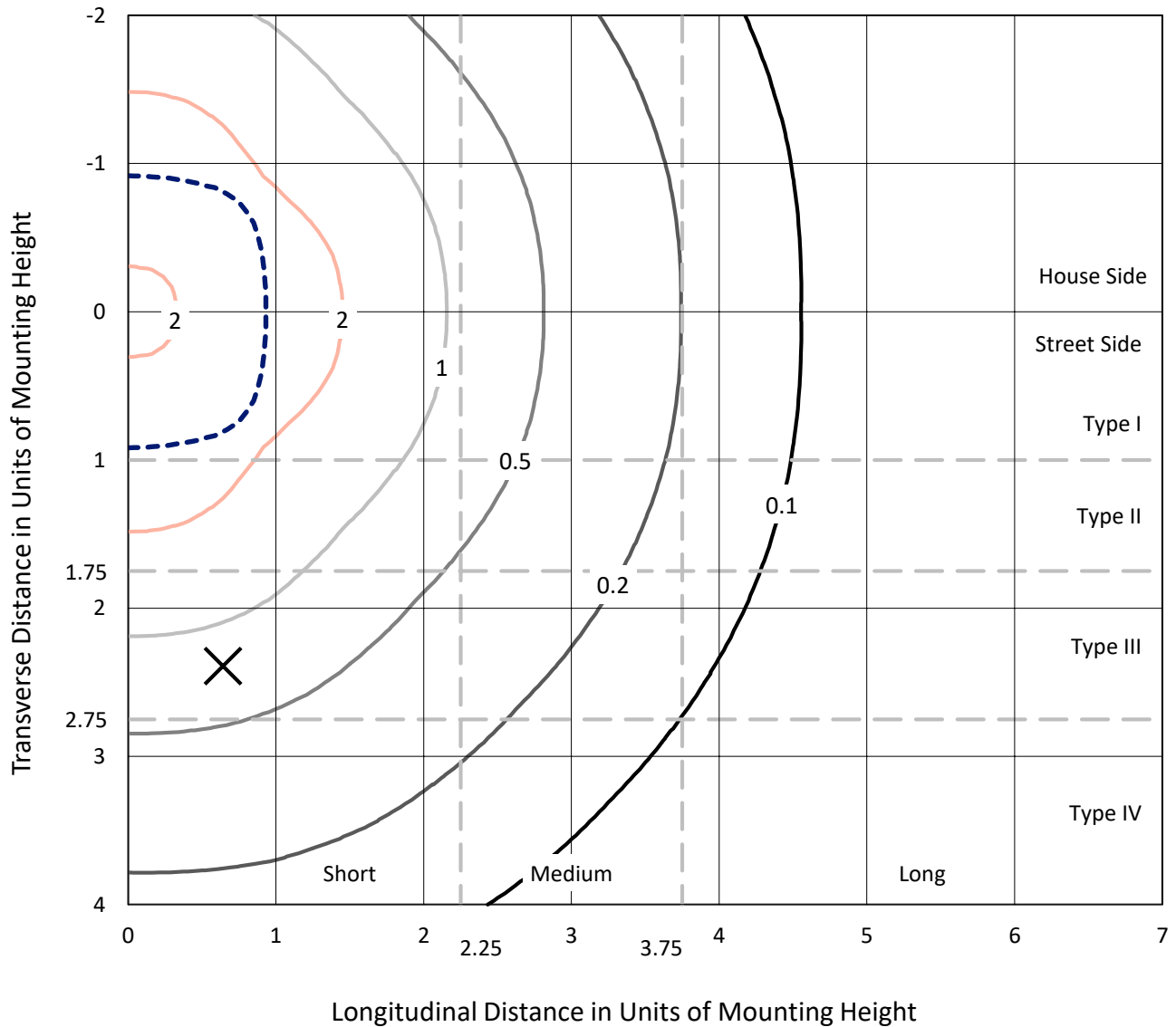


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

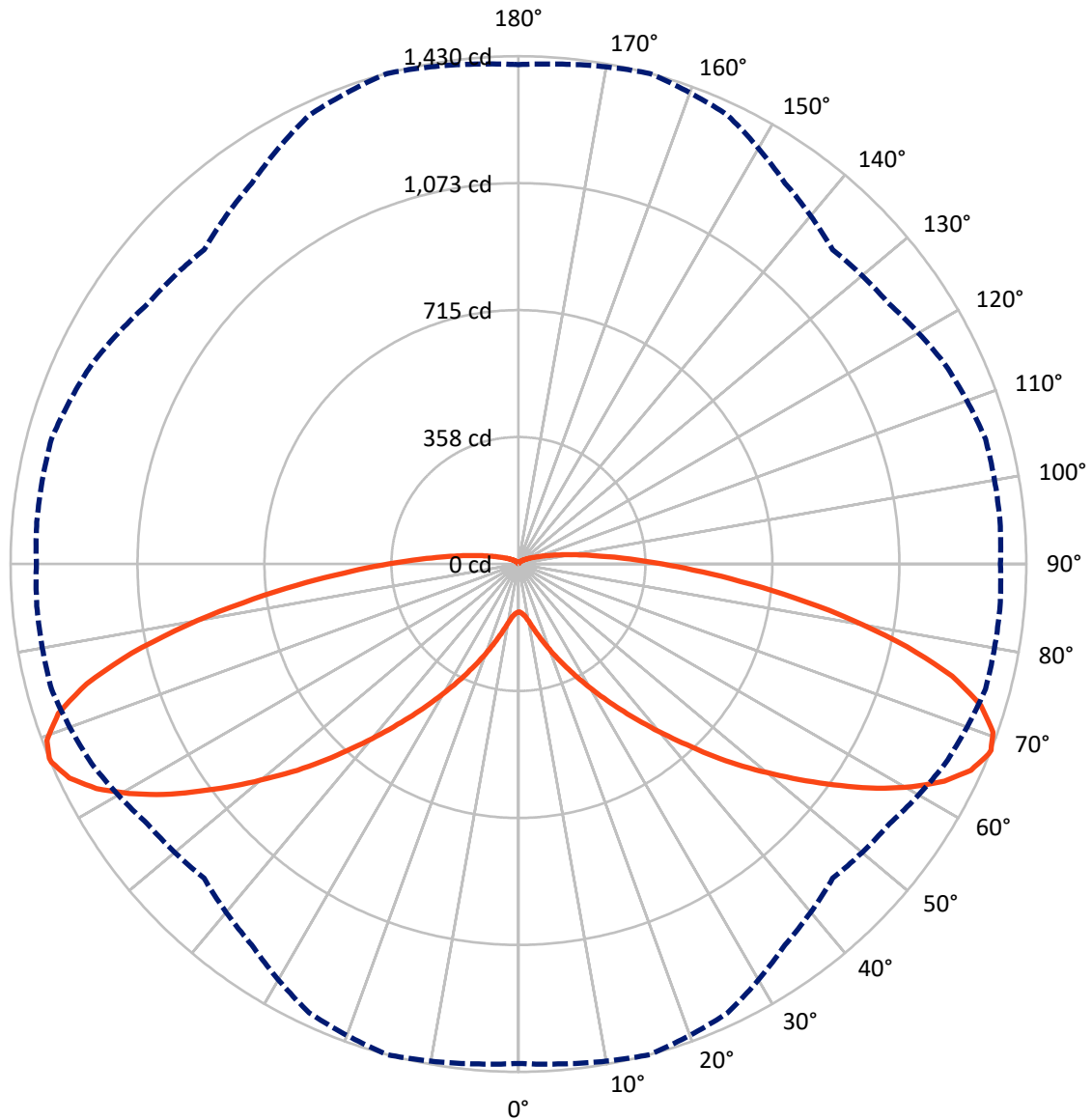


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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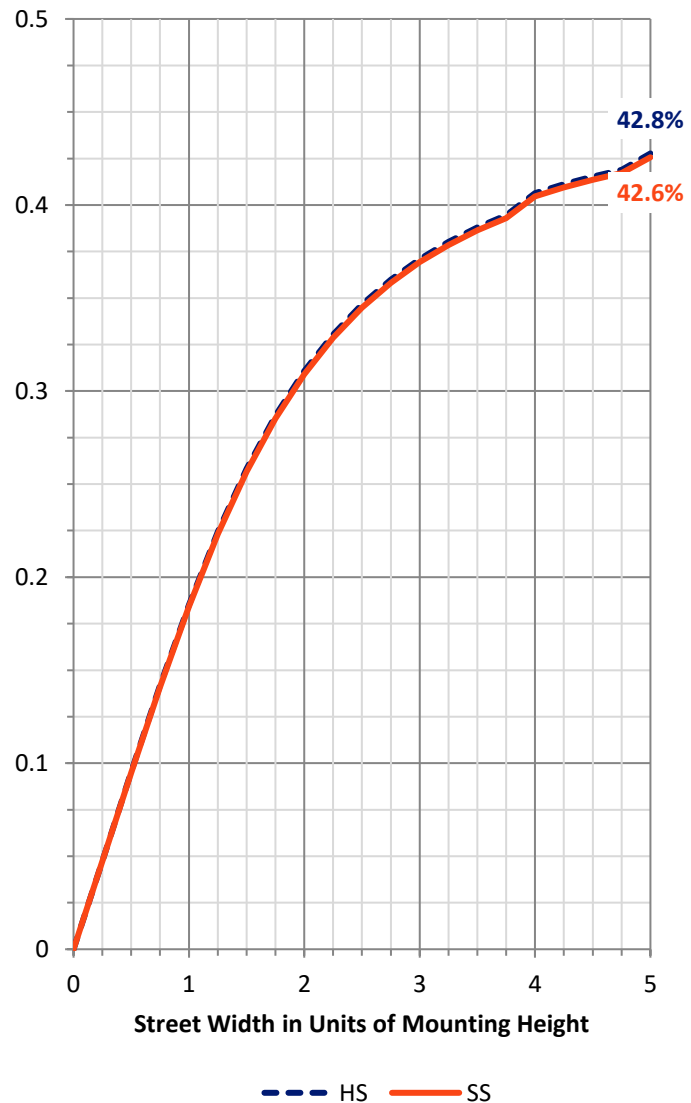
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2650.5	241.9	2892.4
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	2650.5	241.9	2892.4
	% Fixture	45.8	4.2	50.0
Total	Lumens	5301.0	483.7	5784.8
	% Fixture	91.6	8.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	0.2
10°-20°	59.3	1.0
20°-30°	151.2	2.6
30°-40°	314.1	5.4
40°-50°	573.3	9.9
50°-60°	936.5	16.2
60°-70°	1291.9	22.3
70°-80°	1248.2	21.6
80°-90°	712.3	12.3
90°-100°	286.7	5.0
100°-110°	112.6	1.9
110°-120°	48.8	0.8
120°-130°	22.4	0.4
130°-140°	9.8	0.2
140°-150°	3.1	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5301.0	91.6
0°-180°	5784.8	100.0



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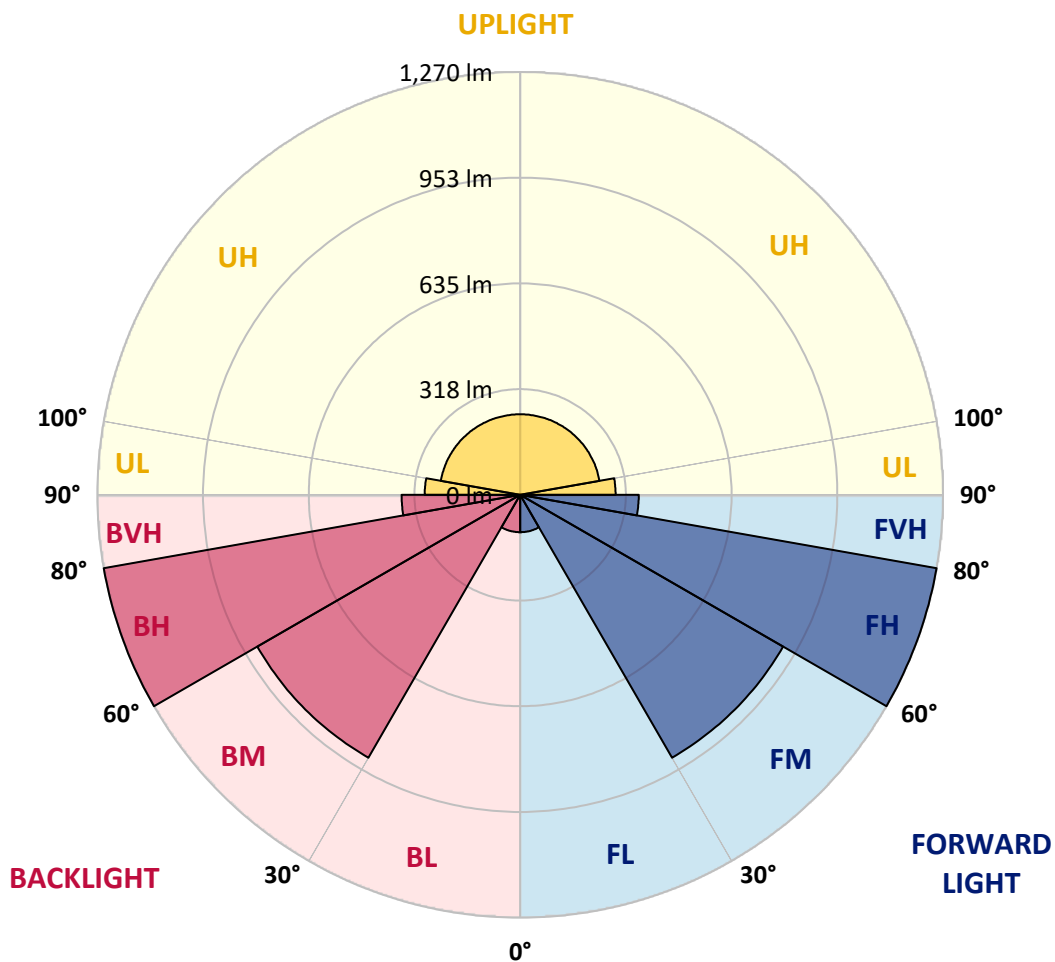
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	112.4	1.9			
FM (30°-60°)	911.9	15.8			
FH (60°-80°)	1270.0	22.0			G1/1800
FVH (80°-90°)	356.2	6.2			G3/500
BL (0°-30°)	112.4	1.9	B1/500		
BM (30°-60°)	911.9	15.8	B1/1000		
BH (60°-80°)	1270.0	22.0	B3/2500		G1/1800
BVH (80°-90°)	356.2	6.2			G3/500
UL (90°-100°)	286.7	5.0		U3/500	
UH (100°-180°)	241.9	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°	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9
2.5°	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	136.3	136.3	136.3
5°	141.6	142.2	142.2	142.2	142.2	142.2	142.2	141.6	141.6	141.6	141.6
7.5°	150.9	150.9	150.9	150.9	150.9	150.2	150.2	150.2	149.6	149.6	148.8
10°	165.4	165.4	165.4	164.7	164.1	163.4	163.4	162.8	162.0	162.0	161.4
12.5°	184.5	184.5	184.5	181.3	180.7	179.3	179.3	179.3	179.9	179.9	180.7
15°	207.8	207.8	207.8	203.8	201.1	197.8	199.2	199.8	201.1	201.1	201.8
17.5°	234.2	234.2	232.9	228.9	224.9	222.9	221.7	223.6	224.9	226.3	226.3
20°	263.3	263.3	261.4	256.0	252.1	250.7	249.4	249.4	252.8	254.0	252.8
22.5°	296.3	295.0	293.7	287.1	283.2	279.9	279.9	279.2	283.2	285.8	285.1
25°	334.1	332.8	328.8	321.5	316.9	312.9	312.3	312.3	318.9	322.8	322.2
27.5°	375.1	373.2	367.9	359.9	352.6	347.3	348.0	350.7	356.6	363.9	363.9
30°	420.1	418.8	410.2	402.2	390.4	383.7	385.0	392.3	400.3	408.2	408.9
32.5°	469.7	467.1	457.2	446.5	432.0	423.4	426.1	434.7	446.5	458.5	459.1
35°	524.7	522.0	510.0	495.5	477.0	465.7	469.7	482.9	498.8	512.7	513.4
37.5°	584.2	580.2	565.7	550.4	525.3	512.1	518.6	535.9	554.4	570.3	572.2
40°	645.1	645.1	629.1	608.7	578.2	562.3	569.6	592.8	616.6	631.2	634.4
42.5°	713.2	713.8	696.0	671.5	635.8	617.2	625.8	652.9	682.1	698.0	701.2
45°	784.6	786.6	773.4	739.0	698.0	675.5	685.4	719.7	752.2	768.7	771.4
47.5°	861.3	864.0	851.4	811.7	764.8	740.3	750.8	789.9	827.7	843.5	846.2
50°	942.8	944.7	929.6	890.5	837.6	807.8	821.0	864.7	903.7	919.6	923.5
52.5°	1026.7	1028.8	1014.2	975.2	913.6	880.6	896.4	942.0	985.7	999.6	1000.3
55°	1111.4	1114.1	1101.5	1059.2	993.0	955.3	973.1	1021.5	1068.5	1081.7	1085.7
57.5°	1194.8	1197.5	1192.1	1144.5	1073.7	1030.7	1051.3	1104.2	1150.5	1161.0	1161.8
60°	1272.9	1277.5	1273.6	1226.5	1149.8	1102.8	1124.6	1180.3	1226.5	1235.2	1236.4
62.5°	1341.7	1344.4	1346.3	1304.0	1217.3	1166.4	1190.8	1248.4	1293.4	1298.6	1298.0
65°	1388.7	1394.0	1400.5	1359.5	1272.2	1217.3	1242.5	1298.6	1340.4	1344.4	1341.7
67.5°	1406.6	1413.8	1428.3	1391.9	1306.0	1248.4	1272.9	1325.1	1360.8	1362.9	1358.2
68°	1406.6	1413.1	1430.3	1394.6	1309.3	1251.7	1275.5	1327.1	1361.5	1361.5	1357.6
70°	1386.0	1395.3	1417.7	1390.6	1309.9	1254.3	1274.9	1319.2	1348.2	1343.0	1337.0
72.5°	1321.1	1331.8	1362.2	1345.7	1279.5	1229.9	1244.4	1276.8	1290.0	1279.5	1273.6
75°	1208.7	1220.0	1261.6	1258.9	1212.0	1171.0	1179.6	1194.2	1194.2	1174.3	1163.7
77.5°	1067.1	1077.7	1118.7	1135.3	1112.8	1082.4	1082.4	1079.0	1062.5	1029.4	1020.2
80°	899.1	908.4	952.0	987.0	983.1	965.9	958.0	936.8	907.7	871.2	858.1
82.5°	731.0	740.9	783.3	819.1	842.2	835.5	821.6	788.6	745.6	705.2	697.3
85°	579.5	582.9	627.2	672.8	699.3	701.9	687.4	645.1	600.7	561.0	551.8
87.5°	451.8	456.4	492.9	539.2	571.6	574.3	559.7	516.7	473.7	437.9	430.0
90°	347.3	354.6	383.7	425.3	456.4	463.1	448.6	410.2	369.8	337.4	330.8
92.5°	267.9	272.6	298.4	334.1	362.5	371.1	357.9	324.2	289.1	260.6	258.0
95°	210.4	211.8	232.2	262.7	286.4	297.7	285.1	256.7	226.3	203.1	200.5
97.5°	162.8	165.4	182.0	207.8	229.6	236.8	227.6	203.8	178.6	156.8	154.8
100°	126.3	128.4	142.9	166.0	183.9	190.6	183.2	163.4	140.2	123.1	123.1
102.5°	100.6	101.3	113.1	132.3	146.9	152.8	147.5	131.0	111.2	97.3	97.9
105°	80.7	80.7	90.0	107.2	121.1	125.0	120.4	105.9	88.7	78.1	78.1
107.5°	64.9	65.5	72.7	87.4	99.9	103.8	99.9	86.6	71.4	63.5	63.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	53.6	53.6	58.9	71.4	82.7	86.6	82.7	70.8	58.2	51.6	51.6
112.5°	44.3	44.3	48.3	58.9	68.8	72.7	68.8	58.2	47.7	43.0	43.0
115°	37.7	37.7	40.4	49.0	57.6	60.9	57.6	49.0	39.7	37.0	37.0
117.5°	32.4	32.4	34.4	41.0	48.3	51.6	48.3	40.4	33.8	31.7	31.7
120°	28.4	28.4	29.2	33.8	40.4	43.0	40.4	33.8	28.4	27.1	27.1
122.5°	24.4	24.4	24.4	28.4	33.8	35.7	33.0	28.4	24.4	23.8	23.8
125°	21.8	21.2	21.8	23.8	27.8	30.4	27.8	23.8	21.2	21.2	21.2
127.5°	19.2	19.2	18.5	19.8	23.1	24.4	23.1	19.8	18.5	18.5	18.5
130°	16.6	16.6	16.6	17.2	18.5	19.8	19.2	17.2	16.6	16.6	16.6
132.5°	14.5	14.5	13.9	14.5	15.2	15.9	15.2	13.9	13.9	14.5	14.5
135°	12.6	12.6	12.6	11.9	11.9	12.6	11.9	11.9	12.6	12.6	12.6
137.5°	11.3	11.3	10.5	9.9	9.3	9.3	9.3	9.9	10.5	10.5	11.3
140°	9.3	9.3	8.6	8.0	7.3	7.3	7.3	8.0	8.6	9.3	9.3
142.5°	8.0	8.0	7.3	5.9	5.3	4.6	5.3	5.9	6.6	7.3	7.3
145°	5.9	5.9	5.3	4.6	4.0	3.3	3.3	4.6	5.3	5.9	5.9
147.5°	4.6	4.6	4.0	3.3	2.7	1.9	1.9	3.3	4.0	4.6	4.6
150°	3.3	3.3	2.7	1.9	1.3	1.3	1.3	1.9	2.7	2.7	3.3
152.5°	1.9	1.9	1.3	1.3	0.6	0.6	0.6	1.3	1.3	1.9	1.9
155°	0.6	1.3	0.6	0.6	0.6	0.0	0.6	0.6	0.6	1.3	1.3
157.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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)