

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: P695661

Luminaire Tested: **LXF.LXT-PA16-60-740-U-5WQ-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695661
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-740-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6939 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G3

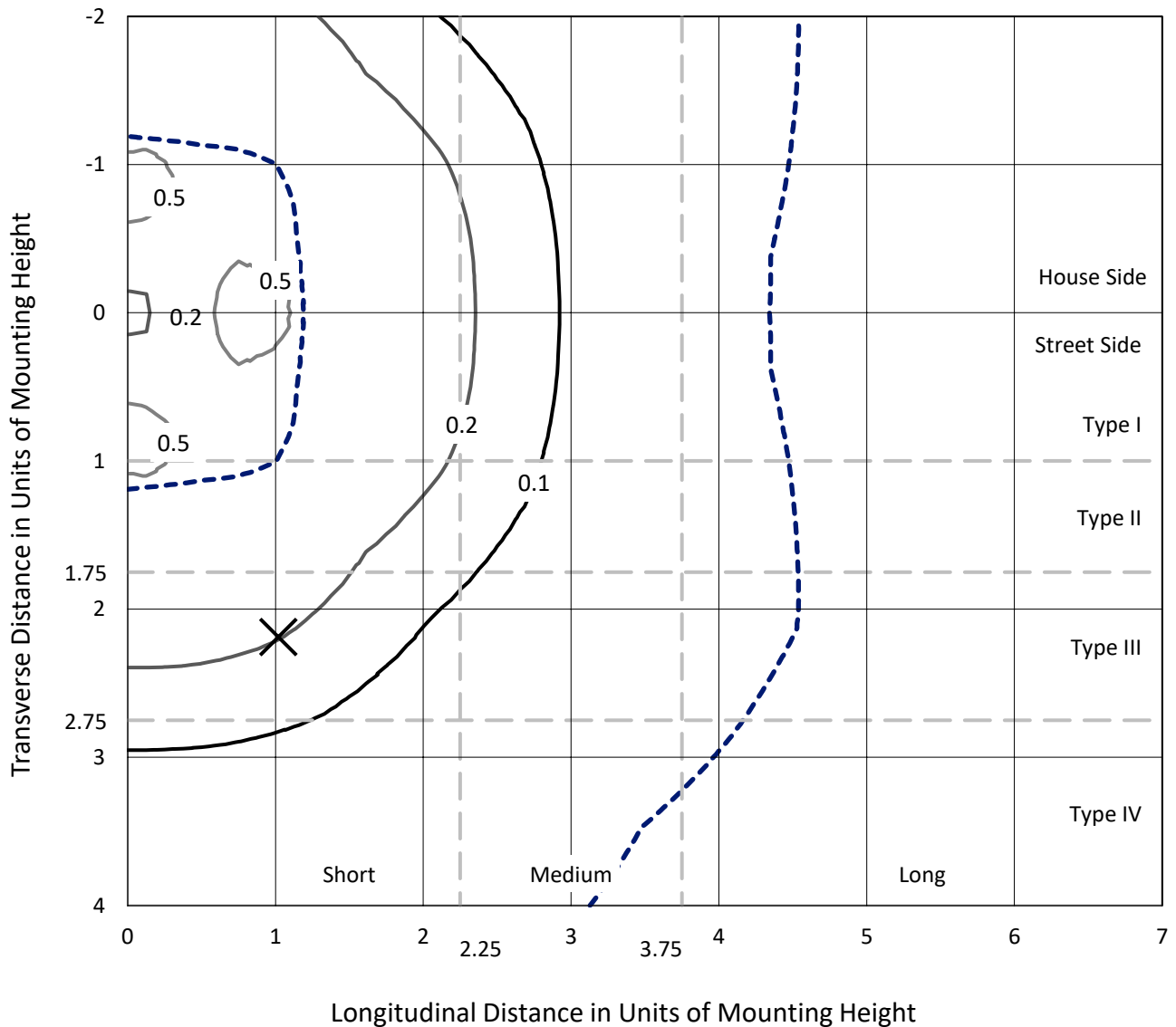
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

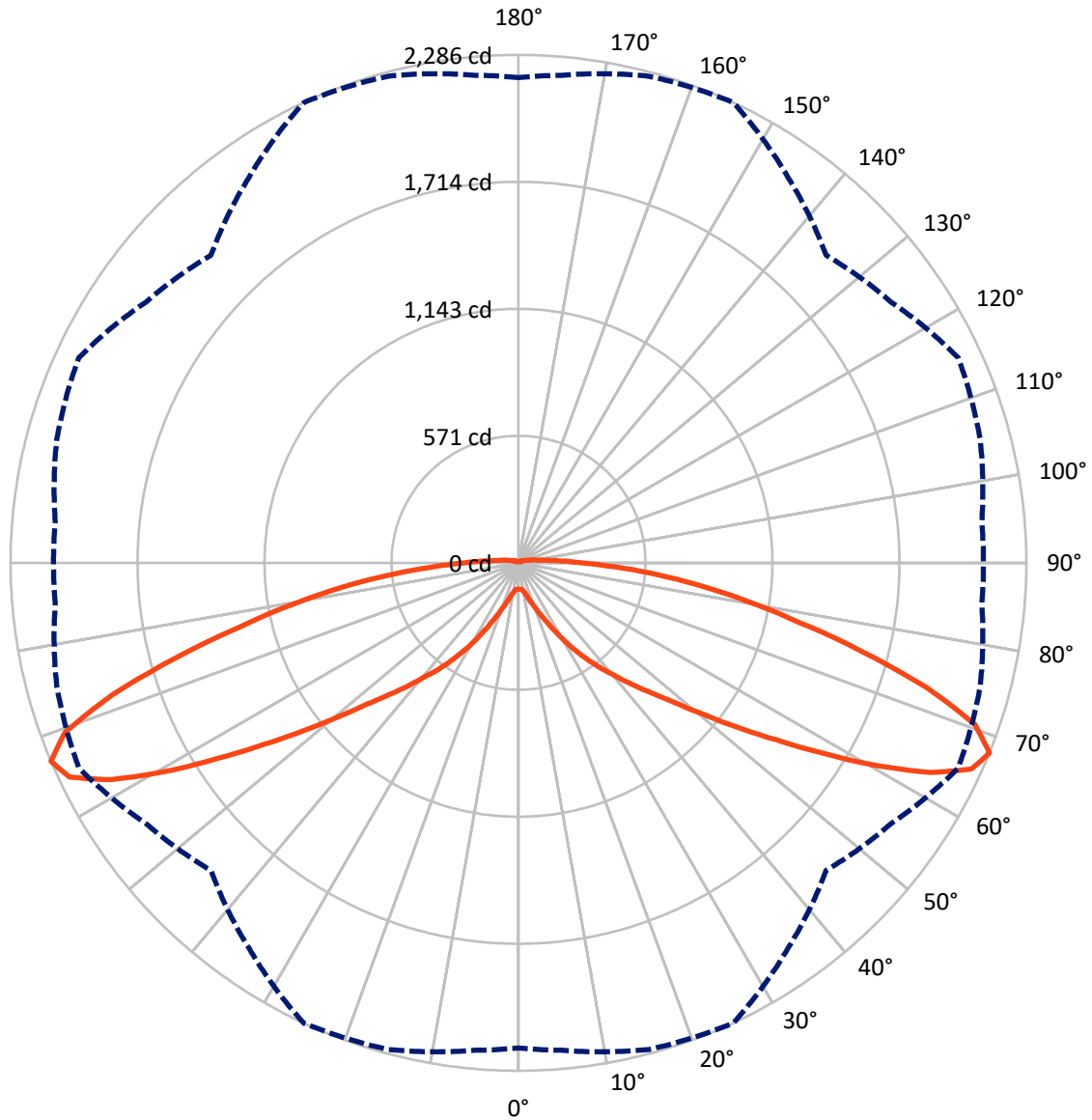
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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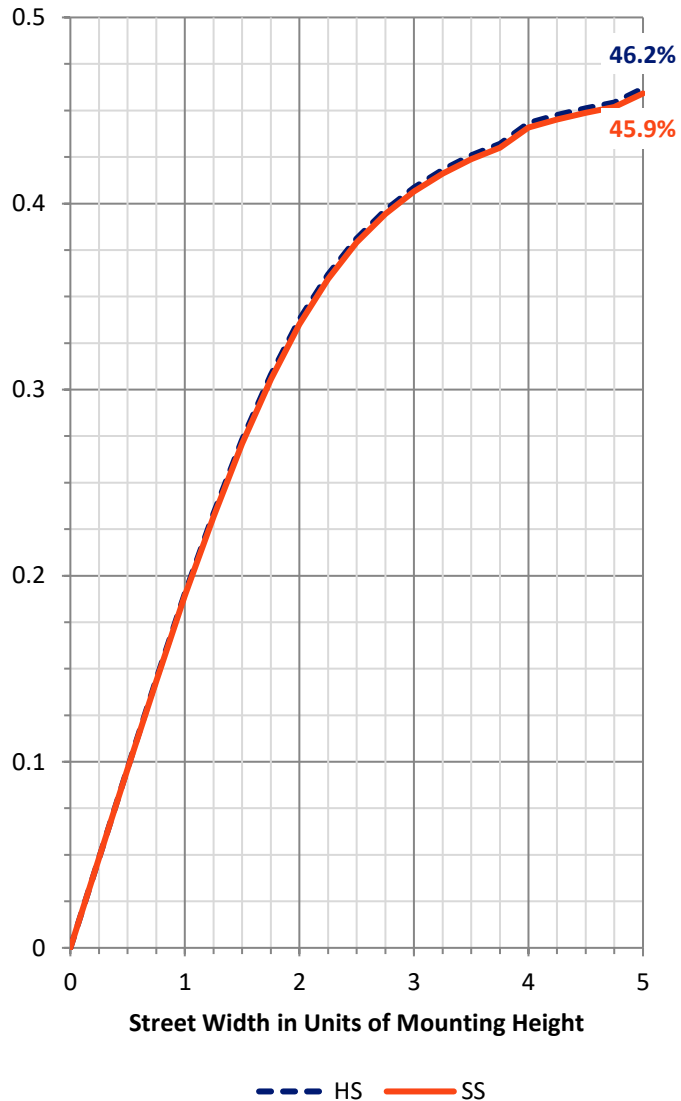
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3344.8	124.7	3469.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3344.8	124.7	3469.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	6689.7	249.3	6939.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	0.2
10°-20°	48.8	0.7
20°-30°	145.1	2.1
30°-40°	347.9	5.0
40°-50°	653.5	9.4
50°-60°	1241.1	17.9
60°-70°	2014.6	29.0
70°-80°	1581.8	22.8
80°-90°	645.2	9.3
90°-100°	157.3	2.3
100°-110°	49.5	0.7
110°-120°	20.9	0.3
120°-130°	11.5	0.2
130°-140°	6.8	0.1
140°-150°	3.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6689.7	96.4
0°-180°	6939.0	100.0

Coefficient of Utilization



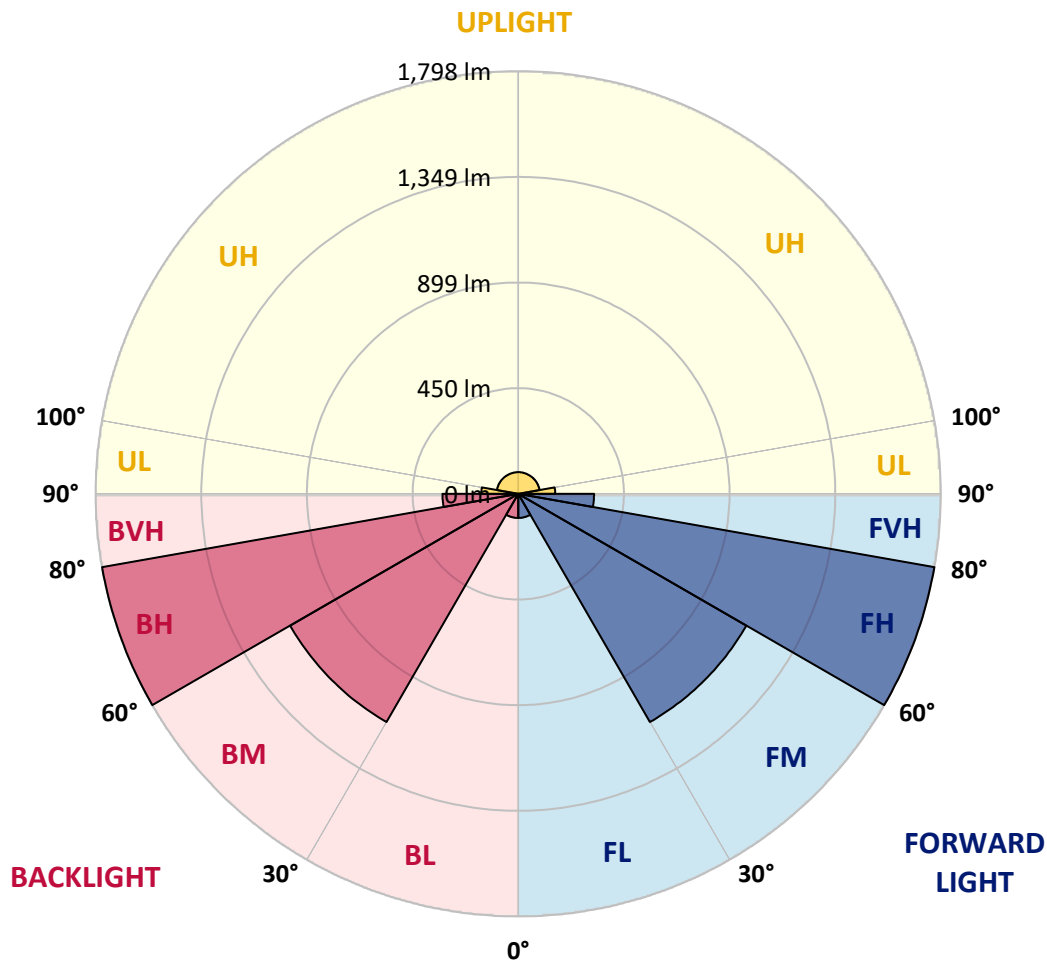
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	102.8	1.5			
FM (30°-60°)	1121.2	16.2			
FH (60°-80°)	1798.2	25.9			G1/1800
FVH (80°-90°)	322.6	4.6			G3/500
BL (0°-30°)	102.8	1.5	B0/110		
BM (30°-60°)	1121.2	16.2	B2/2500		
BH (60°-80°)	1798.2	25.9	B3/2500		G1/1800
BVH (80°-90°)	322.6	4.6			G3/500
UL (90°-100°)	157.3	2.3		U3/500	
UH (100°-180°)	92.1	1.3		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°	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7
2.5°	116.4	116.4	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7	118.7
5°	118.7	118.7	118.7	118.7	121.0	121.0	121.0	118.7	118.7	118.7	118.7
7.5°	123.4	123.4	123.4	123.4	123.4	123.4	123.4	123.4	123.4	123.4	123.4
10°	132.7	132.7	130.3	132.7	130.3	130.3	130.3	128.0	130.3	130.3	130.3
12.5°	149.0	149.0	146.6	144.3	142.0	139.7	139.7	139.7	142.0	144.3	144.3
15°	172.2	172.2	169.9	165.3	158.3	155.9	158.3	160.6	162.9	167.6	167.6
17.5°	200.2	200.2	195.5	188.5	181.6	179.2	181.6	186.2	190.9	195.5	197.8
20°	235.1	232.8	228.1	216.5	209.5	207.2	209.5	214.1	223.4	230.4	230.4
22.5°	277.0	277.0	267.7	253.7	242.1	239.7	239.7	251.4	263.0	274.7	277.0
25°	328.2	330.5	316.6	295.6	281.6	274.7	279.3	295.6	316.6	330.5	335.2
27.5°	395.7	393.4	374.7	346.8	323.5	311.9	323.5	346.8	377.1	393.4	400.3
30°	465.5	465.5	442.2	407.3	372.4	358.4	374.7	405.0	442.2	467.8	472.5
32.5°	535.3	535.3	507.4	470.2	426.0	405.0	426.0	474.8	523.7	556.3	563.3
35°	609.8	614.5	579.6	533.0	479.5	458.5	484.1	544.7	607.5	642.4	644.7
37.5°	670.3	670.3	647.1	600.5	535.3	509.7	544.7	626.1	691.3	721.6	730.9
40°	749.5	751.8	723.9	665.7	598.2	567.9	612.2	696.0	747.2	761.1	765.8
42.5°	831.0	833.3	810.0	747.2	663.4	630.8	675.0	749.5	796.0	817.0	824.0
45°	907.8	914.7	891.5	831.0	742.5	696.0	735.5	819.3	879.8	903.1	910.1
47.5°	1010.2	1021.8	996.2	933.4	831.0	775.1	817.0	921.7	993.9	1012.5	1012.5
50°	1131.2	1142.8	1133.5	1066.0	942.7	872.8	931.0	1047.4	1121.9	1147.5	1145.2
52.5°	1291.8	1296.5	1287.2	1224.3	1082.3	996.2	1059.1	1201.0	1273.2	1263.9	1275.5
55°	1459.4	1471.0	1478.0	1405.9	1254.6	1147.5	1233.6	1373.3	1426.8	1431.5	1429.1
57.5°	1661.9	1680.5	1673.5	1617.7	1445.4	1333.7	1419.8	1557.2	1634.0	1629.3	1641.0
60°	1878.4	1887.7	1906.3	1852.8	1682.9	1531.6	1627.0	1787.6	1836.5	1801.6	1806.2
62.5°	2052.9	2066.9	2099.5	2078.5	1897.0	1734.1	1834.1	1964.5	1992.4	1957.5	1964.5
65°	2192.6	2204.2	2255.4	2239.1	2062.3	1894.7	1987.8	2120.4	2127.4	2076.2	2071.6
67.5°	2183.3	2201.9	2267.1	2285.7	2115.8	1957.5	2046.0	2183.3	2150.7	2092.5	2092.5
70°	2029.7	2032.0	2111.1	2178.6	2025.0	1878.4	1980.8	2078.5	2048.3	1980.8	1971.5
72.5°	1743.4	1771.3	1862.1	1920.3	1820.2	1703.8	1766.6	1862.1	1762.0	1668.9	1661.9
75°	1408.2	1403.5	1487.3	1599.1	1547.9	1450.1	1524.6	1545.5	1454.7	1375.6	1357.0
77.5°	1124.2	1133.5	1205.7	1291.8	1282.5	1219.7	1240.6	1259.2	1177.8	1094.0	1089.3
80°	896.1	896.1	984.6	1040.4	1042.8	1017.2	1021.8	1010.2	924.1	870.5	861.2
82.5°	670.3	675.0	735.5	807.7	854.2	847.2	831.0	796.0	726.2	668.0	665.7
85°	456.2	465.5	516.7	595.9	663.4	679.7	670.3	591.2	505.1	449.2	442.2
87.5°	300.3	307.2	337.5	400.3	488.8	533.0	495.8	409.7	337.5	307.2	297.9
90°	202.5	207.2	225.8	260.7	342.2	388.7	346.8	270.0	221.1	200.2	200.2
92.5°	137.3	139.7	153.6	176.9	230.4	270.0	232.8	179.2	149.0	135.0	132.7
95°	93.1	95.4	104.7	121.0	158.3	181.6	158.3	118.7	104.7	95.4	93.1
97.5°	72.2	74.5	79.1	88.4	111.7	125.7	109.4	88.4	79.1	74.5	72.2
100°	58.2	58.2	65.2	69.8	81.5	90.8	81.5	67.5	62.8	58.2	58.2
102.5°	46.6	48.9	51.2	55.9	65.2	72.2	65.2	53.5	48.9	46.6	46.6
105°	37.2	37.2	39.6	44.2	51.2	55.9	51.2	44.2	39.6	37.2	34.9
107.5°	30.3	27.9	32.6	37.2	41.9	46.6	41.9	34.9	30.3	27.9	27.9
110°	23.3	23.3	25.6	30.3	34.9	37.2	34.9	27.9	25.6	23.3	23.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	18.6	18.6	20.9	23.3	30.3	32.6	27.9	23.3	20.9	18.6	18.6
115°	16.3	16.3	16.3	20.9	25.6	27.9	25.6	18.6	16.3	16.3	16.3
117.5°	14.0	14.0	14.0	16.3	20.9	23.3	20.9	16.3	14.0	14.0	14.0
120°	14.0	14.0	14.0	14.0	18.6	20.9	18.6	14.0	14.0	14.0	14.0
122.5°	11.6	11.6	11.6	14.0	16.3	18.6	16.3	14.0	11.6	11.6	11.6
125°	11.6	11.6	11.6	11.6	14.0	16.3	14.0	11.6	11.6	11.6	11.6
127.5°	9.3	9.3	9.3	11.6	14.0	14.0	14.0	11.6	9.3	9.3	9.3
130°	9.3	9.3	9.3	9.3	11.6	11.6	11.6	9.3	9.3	9.3	9.3
132.5°	9.3	9.3	9.3	9.3	11.6	11.6	11.6	9.3	9.3	9.3	9.3
135°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
137.5°	7.0	7.0	7.0	7.0	7.0	9.3	7.0	7.0	7.0	7.0	7.0
140°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
142.5°	7.0	7.0	4.7	4.7	7.0	7.0	4.7	4.7	4.7	7.0	7.0
145°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
150°	2.3	2.3	2.3	2.3	2.3	4.7	2.3	2.3	2.3	2.3	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)