

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: P695873

Luminaire Tested: **LXF.LXT-PA16-730-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-730-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6864 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium
BUG Rating: B3 - U3 - G3

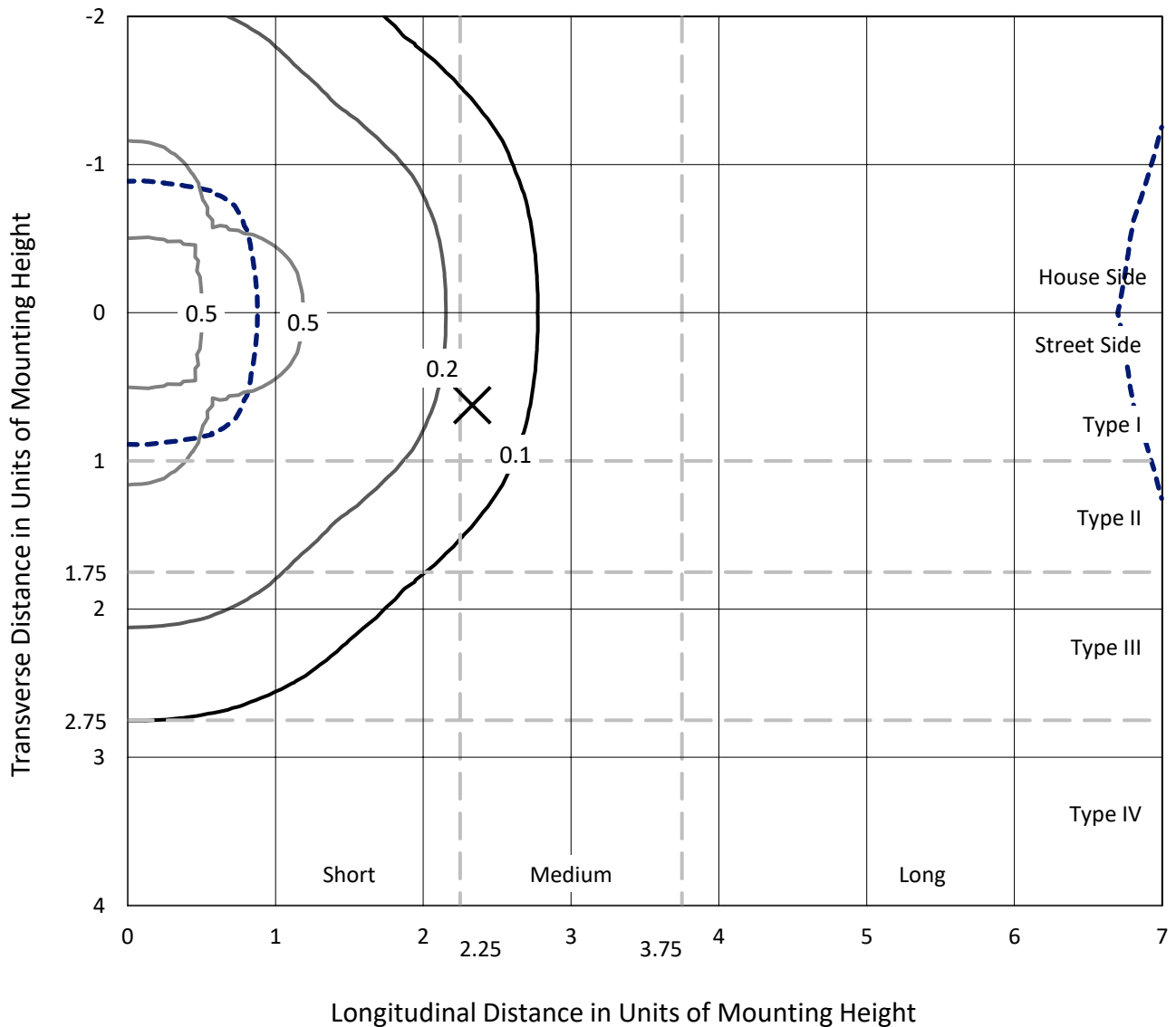
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

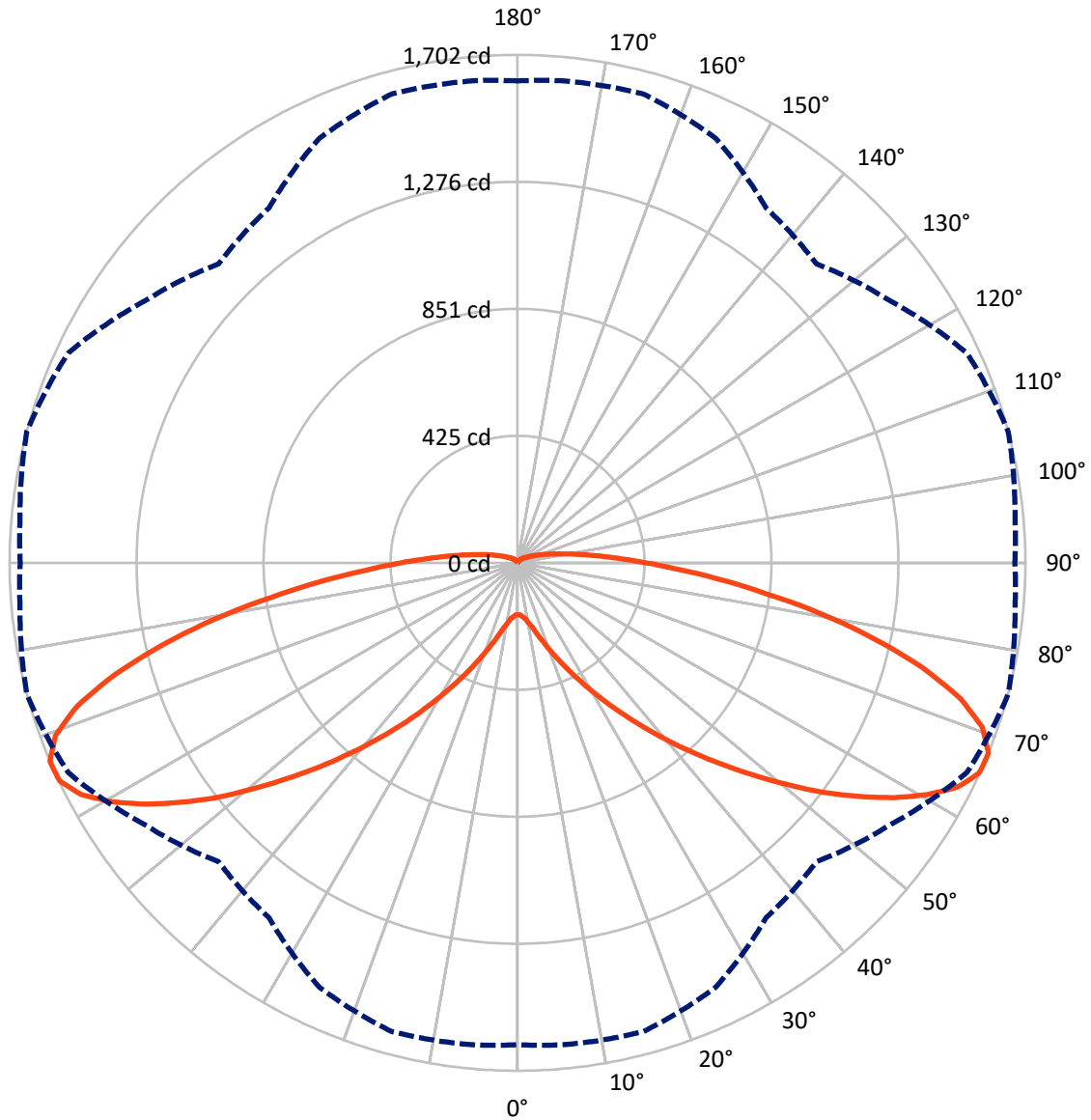
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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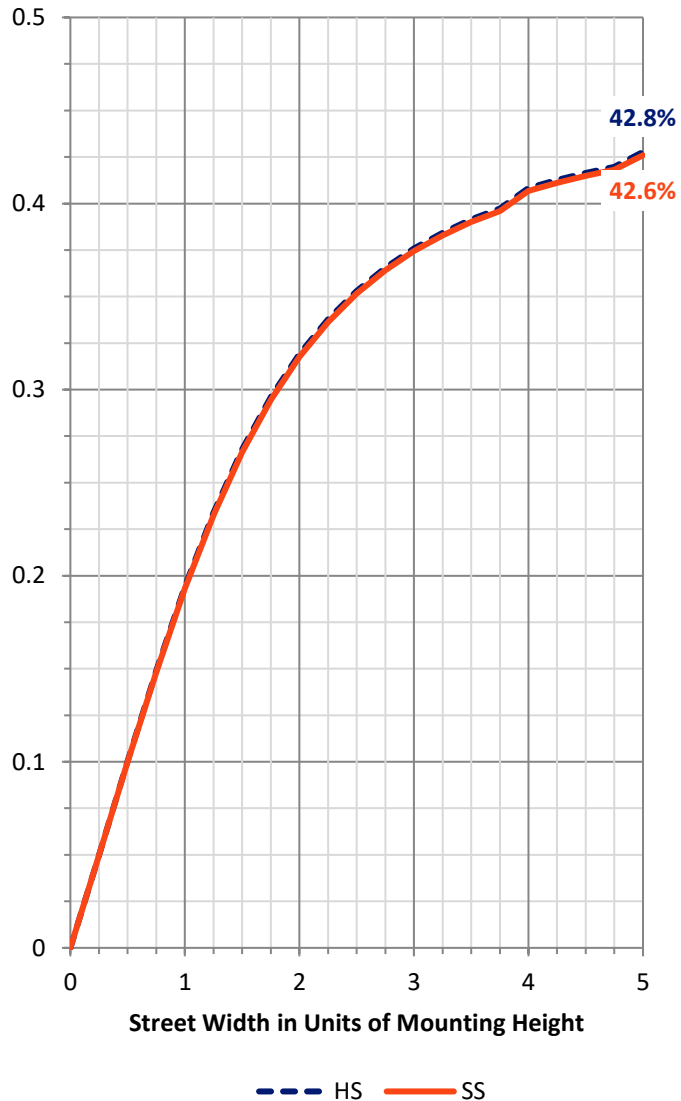
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3131.7	300.2	3432.0
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	3131.7	300.2	3432.0
	% Fixture	45.6	4.4	50.0
Total	Lumens	6263.5	600.5	6864.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	0.3
10°-20°	72.9	1.1
20°-30°	186.6	2.7
30°-40°	391.3	5.7
40°-50°	714.1	10.4
50°-60°	1156.3	16.8
60°-70°	1538.5	22.4
70°-80°	1402.1	20.4
80°-90°	783.6	11.4
90°-100°	333.3	4.9
100°-110°	144.3	2.1
110°-120°	68.0	1.0
120°-130°	33.4	0.5
130°-140°	15.6	0.2
140°-150°	5.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6263.5	91.3
0°-180°	6864.0	100.0

Coefficient of Utilization

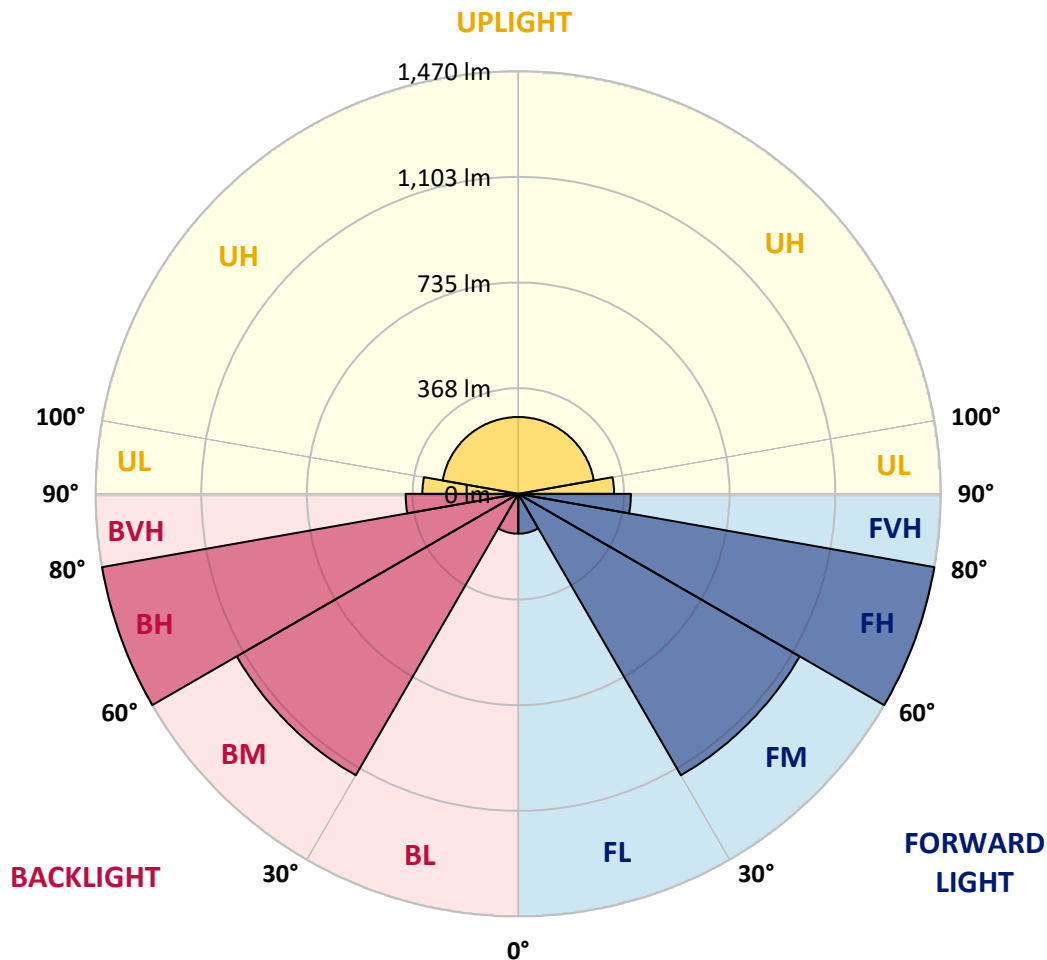


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	138.7	2.0			
FM (30°-60°)	1130.9	16.5			
FH (60°-80°)	1470.3	21.4			G1/1800
FVH (80°-90°)	391.8	5.7			G3/500
BL (0°-30°)	138.7	2.0	B1/500		
BM (30°-60°)	1130.9	16.5	B2/2500		
BH (60°-80°)	1470.3	21.4	B3/2500		G1/1800
BVH (80°-90°)	391.8	5.7			G3/500
UL (90°-100°)	333.3	4.9		U3/500	
UH (100°-180°)	267.2	3.9		U3/500	

BUG Rating: B3-U3-G3
 Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6
2.5°	174.6	174.6	174.6	174.6	174.6	177.0	177.0	174.6	174.6	174.6	174.6
5°	179.4	179.4	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7
7.5°	188.8	188.8	188.8	191.2	191.2	191.2	191.2	188.8	188.8	188.8	191.2
10°	205.3	205.3	203.0	205.3	203.0	203.0	205.3	203.0	205.3	203.0	203.0
12.5°	224.2	224.2	224.2	224.2	221.9	221.9	221.9	221.9	221.9	224.2	224.2
15°	250.2	250.2	250.2	247.8	245.5	243.1	245.5	247.8	247.8	250.2	250.2
17.5°	283.2	283.2	280.9	278.5	276.1	273.8	273.8	276.1	278.5	280.9	280.9
20°	318.6	318.6	316.3	311.5	306.8	309.2	309.2	311.5	313.9	316.3	316.3
22.5°	358.7	356.4	354.0	349.3	346.9	344.6	346.9	346.9	354.0	358.7	356.4
25°	403.6	403.6	398.9	391.8	387.1	387.1	389.4	391.8	398.9	403.6	405.9
27.5°	455.5	450.8	446.1	439.0	431.9	429.5	431.9	441.3	448.4	457.9	455.5
30°	512.1	509.8	500.3	490.9	479.1	474.4	483.8	493.3	505.1	512.1	516.9
32.5°	573.5	573.5	561.7	545.2	531.0	526.3	533.4	552.3	566.4	575.9	583.0
35°	639.6	639.6	625.4	606.6	587.7	578.2	592.4	616.0	634.9	649.0	651.4
37.5°	717.5	712.8	698.6	672.6	642.0	637.2	653.8	682.1	708.0	724.6	724.6
40°	795.4	790.6	776.5	743.4	703.3	696.2	715.1	757.6	788.3	802.4	804.8
42.5°	880.3	873.2	859.1	823.7	774.1	760.0	788.3	837.8	873.2	889.8	889.8
45°	962.9	965.3	944.1	903.9	849.6	828.4	863.8	922.8	965.3	979.5	984.2
47.5°	1055.0	1057.3	1036.1	986.5	925.2	906.3	946.4	1010.1	1062.1	1073.9	1078.6
50°	1156.5	1156.5	1139.9	1078.6	1010.1	984.2	1033.7	1116.3	1165.9	1177.7	1180.1
52.5°	1255.6	1253.2	1241.4	1173.0	1095.1	1066.8	1123.4	1217.8	1276.8	1279.2	1279.2
55°	1354.7	1352.4	1338.2	1272.1	1180.1	1149.4	1217.8	1324.0	1380.7	1385.4	1387.8
57.5°	1442.0	1442.0	1427.9	1361.8	1260.3	1227.3	1307.5	1425.5	1484.5	1484.5	1484.5
60°	1522.3	1522.3	1515.2	1444.4	1335.8	1300.4	1392.5	1519.9	1576.6	1569.5	1569.5
62.5°	1583.6	1586.0	1581.3	1510.5	1394.8	1361.8	1463.3	1597.8	1654.5	1640.3	1633.2
65°	1619.0	1621.4	1623.8	1557.7	1439.7	1404.3	1510.5	1652.1	1699.3	1678.1	1671.0
67.5°	1614.3	1621.4	1626.1	1569.5	1451.5	1416.1	1527.0	1661.5	1701.7	1673.3	1666.3
70°	1569.5	1578.9	1588.4	1541.2	1432.6	1399.6	1505.8	1630.8	1652.1	1619.0	1607.2
72.5°	1482.2	1484.5	1508.1	1475.1	1380.7	1347.6	1439.7	1545.9	1550.6	1510.5	1496.3
75°	1352.4	1352.4	1383.0	1359.4	1288.6	1260.3	1335.8	1413.7	1399.6	1357.1	1340.6
77.5°	1187.1	1198.9	1224.9	1222.5	1165.9	1151.7	1206.0	1241.4	1220.2	1165.9	1149.4
80°	1003.1	1012.5	1050.3	1059.7	1026.7	1012.5	1050.3	1062.1	1029.0	974.7	960.6
82.5°	833.1	842.6	878.0	903.9	882.7	870.9	889.8	880.3	833.1	785.9	776.5
85°	677.4	679.7	722.2	741.1	741.1	731.6	734.0	708.0	665.6	616.0	601.8
87.5°	540.5	540.5	578.2	606.6	613.6	606.6	599.5	566.4	519.2	479.1	476.7
90°	427.2	429.5	460.2	488.5	500.3	495.6	479.1	446.1	408.3	372.9	368.2
92.5°	339.9	344.6	368.2	396.5	410.7	408.3	389.4	358.7	321.0	292.7	290.3
95°	273.8	273.8	295.0	318.6	335.1	335.1	318.6	287.9	254.9	228.9	226.6
97.5°	217.1	219.5	238.4	259.6	273.8	273.8	259.6	233.7	203.0	181.7	177.0
100°	177.0	177.0	191.2	212.4	226.6	226.6	212.4	188.8	162.8	144.0	141.6
102.5°	141.6	144.0	155.8	174.6	186.5	188.8	177.0	158.1	132.2	115.6	115.6
105°	118.0	118.0	129.8	144.0	155.8	158.1	148.7	129.8	108.6	94.4	92.0
107.5°	96.8	96.8	106.2	122.7	132.2	134.5	125.1	108.6	89.7	77.9	75.5
110°	82.6	80.2	87.3	101.5	113.3	113.3	106.2	92.0	73.2	63.7	63.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	68.4	68.4	73.2	85.0	94.4	99.1	92.0	77.9	61.4	54.3	54.3
115°	59.0	59.0	63.7	73.2	82.6	82.6	77.9	63.7	51.9	47.2	47.2
117.5°	51.9	51.9	54.3	61.4	68.4	70.8	66.1	54.3	44.8	40.1	40.1
120°	44.8	44.8	47.2	51.9	59.0	61.4	56.6	47.2	37.8	35.4	35.4
122.5°	40.1	40.1	40.1	44.8	51.9	51.9	47.2	40.1	33.0	30.7	30.7
125°	35.4	35.4	35.4	37.8	42.5	44.8	40.1	33.0	28.3	28.3	28.3
127.5°	30.7	30.7	30.7	33.0	37.8	37.8	35.4	28.3	26.0	26.0	26.0
130°	28.3	28.3	28.3	28.3	30.7	30.7	28.3	23.6	23.6	23.6	23.6
132.5°	23.6	23.6	23.6	23.6	26.0	26.0	23.6	21.2	18.9	21.2	21.2
135°	21.2	21.2	21.2	21.2	21.2	21.2	18.9	16.5	16.5	18.9	18.9
137.5°	18.9	18.9	18.9	16.5	16.5	16.5	14.2	14.2	16.5	16.5	16.5
140°	16.5	16.5	14.2	14.2	14.2	11.8	11.8	11.8	14.2	14.2	14.2
142.5°	14.2	14.2	11.8	11.8	9.4	9.4	9.4	9.4	11.8	11.8	11.8
145°	9.4	9.4	9.4	9.4	7.1	7.1	7.1	7.1	9.4	9.4	9.4
147.5°	7.1	7.1	7.1	7.1	4.7	4.7	4.7	7.1	7.1	7.1	7.1
150°	4.7	4.7	4.7	4.7	4.7	2.4	4.7	4.7	4.7	4.7	4.7
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)