

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: P254800

Luminaire Tested: **LXF.LXT-AF24-60-D-U-5WQ-FL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254800
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-AF24-60-D-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 6683.9 lumens
Efficiency: N/A
Efficacy: 104.4 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): 64
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

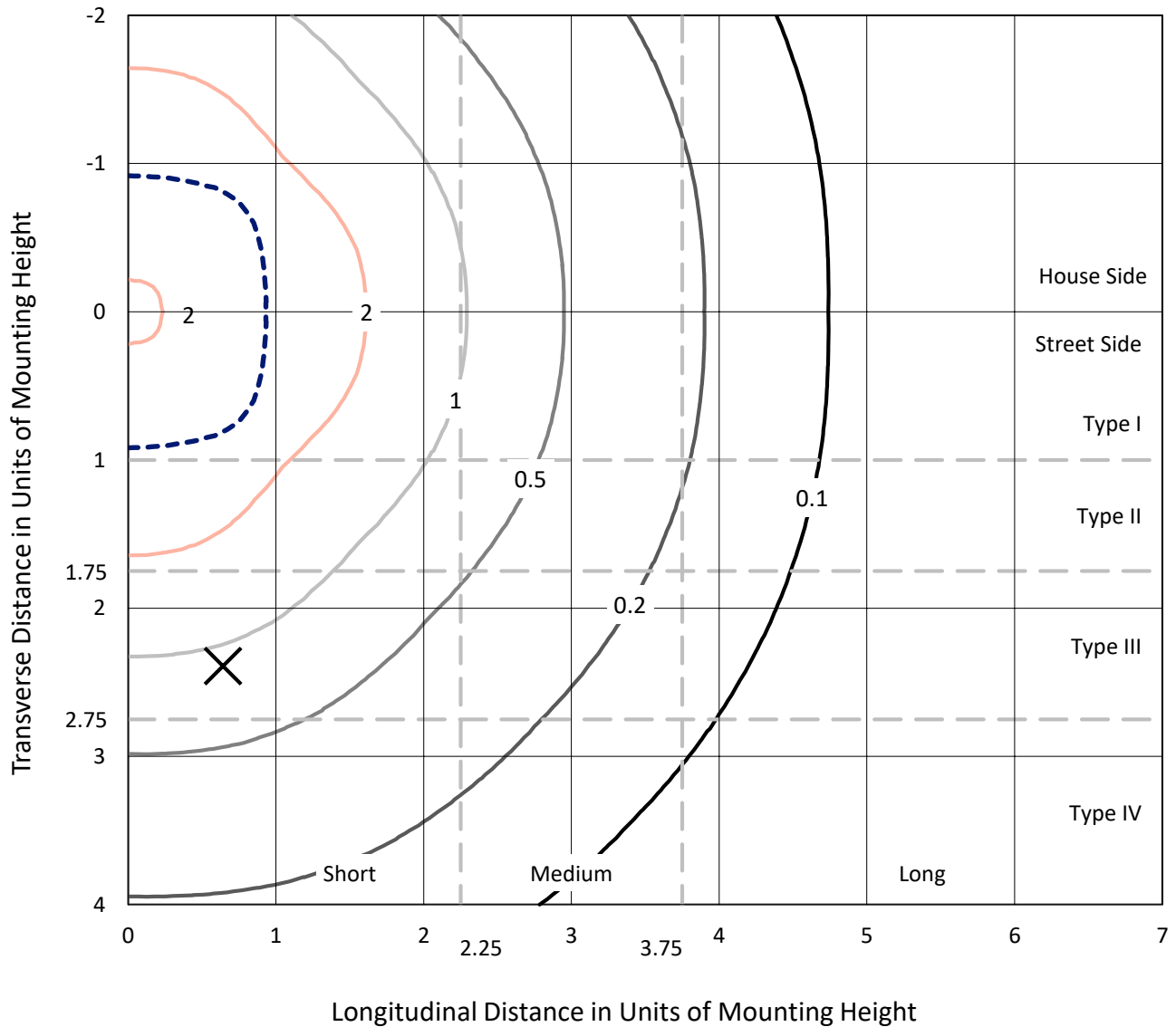


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

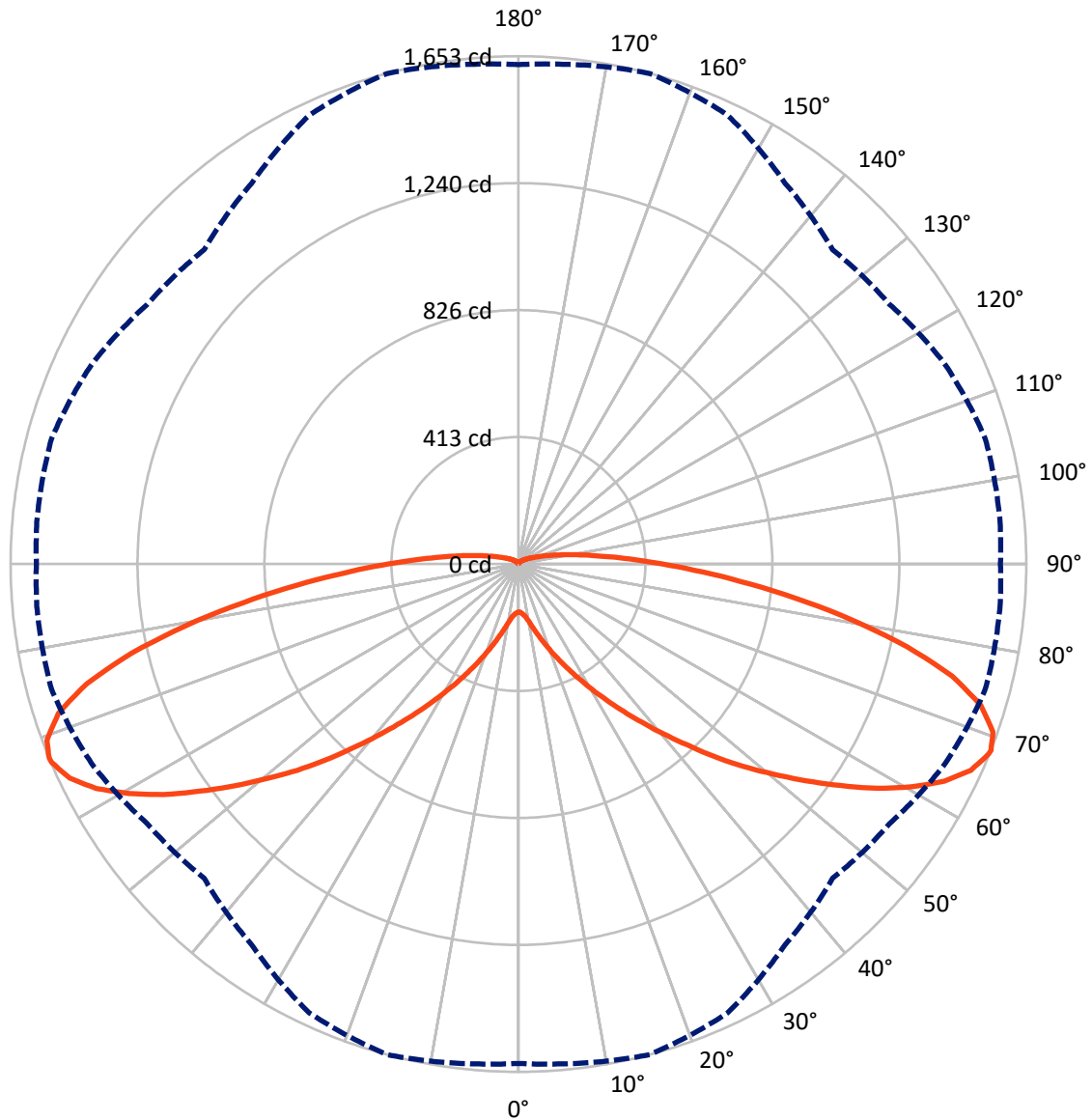


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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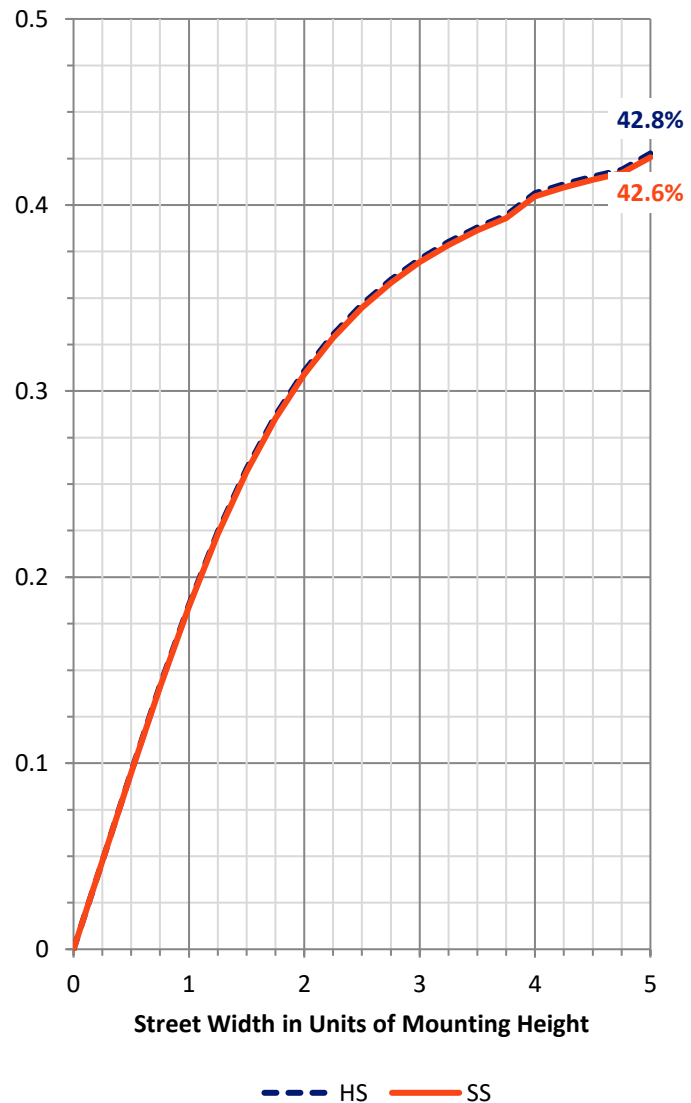
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3062.5	279.5	3342.0
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	3062.5	279.5	3342.0
	% Fixture	45.8	4.2	50.0
Total	Lumens	6125.0	558.9	6683.9
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.4	0.2
10°-20°	68.6	1.0
20°-30°	174.7	2.6
30°-40°	362.9	5.4
40°-50°	662.4	9.9
50°-60°	1082.0	16.2
60°-70°	1492.7	22.3
70°-80°	1442.2	21.6
80°-90°	823.0	12.3
90°-100°	331.3	5.0
100°-110°	130.1	1.9
110°-120°	56.4	0.8
120°-130°	25.8	0.4
130°-140°	11.3	0.2
140°-150°	3.6	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6125.0	91.6
0°-180°	6683.9	100.0

Coefficient of Utilization



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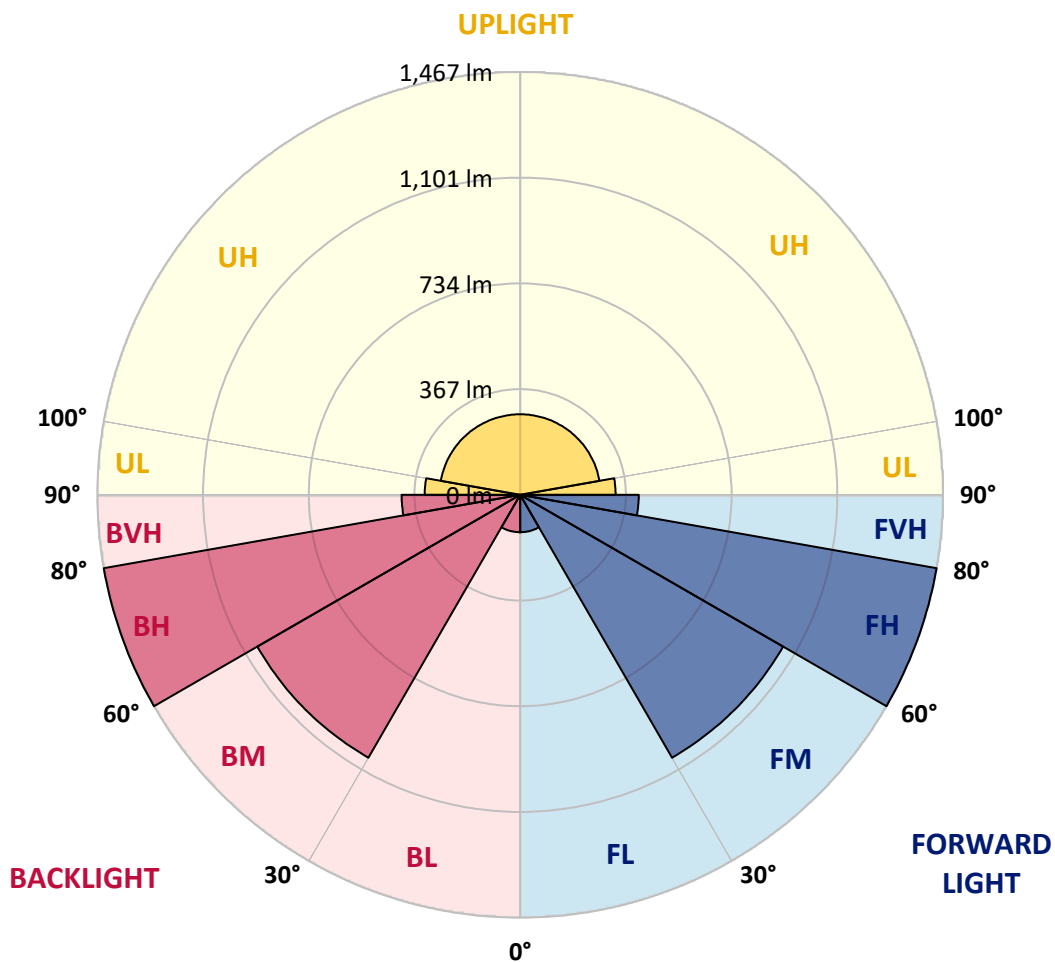
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.8	1.9			
FM (30°-60°)	1053.7	15.8			
FH (60°-80°)	1467.4	22.0			G1/1800
FVH (80°-90°)	411.5	6.2			G3/500
BL (0°-30°)	129.8	1.9	B1/500		
BM (30°-60°)	1053.7	15.8	B2/2500		
BH (60°-80°)	1467.4	22.0	B3/2500		G1/1800
BVH (80°-90°)	411.5	6.2			G3/500
UL (90°-100°)	331.3	5.0		U3/500	
UH (100°-180°)	279.5	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°	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9
2.5°	158.3	158.3	158.3	158.3	158.3	158.3	158.3	158.3	157.4	157.4	157.4
5°	163.6	164.4	164.4	164.4	164.4	164.4	164.4	163.6	163.6	163.6	163.6
7.5°	174.3	174.3	174.3	174.3	174.3	173.5	173.5	173.5	172.8	172.8	172.0
10°	191.1	191.1	191.1	190.4	189.6	188.8	188.8	188.0	187.3	187.3	186.5
12.5°	213.3	213.3	213.3	209.4	208.7	207.1	207.1	207.1	208.0	208.0	208.7
15°	240.0	240.0	240.0	235.5	232.4	228.5	230.1	230.9	232.4	232.4	233.1
17.5°	270.6	270.6	269.0	264.5	259.9	257.6	256.0	258.4	259.9	261.5	261.5
20°	304.2	304.2	302.0	295.8	291.2	289.7	288.2	288.2	292.1	293.5	292.1
22.5°	342.5	340.9	339.4	331.7	327.1	323.4	323.4	322.5	327.1	330.2	329.5
25°	386.1	384.5	379.9	371.5	366.1	361.6	360.8	360.8	368.5	373.1	372.3
27.5°	433.4	431.2	425.0	415.8	407.4	401.3	402.1	405.1	412.0	420.4	420.4
30°	485.4	483.9	473.9	464.7	451.0	443.3	444.9	453.3	462.5	471.7	472.4
32.5°	542.8	539.7	528.3	516.0	499.2	489.2	492.2	502.2	516.0	529.8	530.5
35°	606.2	603.1	589.3	572.5	551.2	538.2	542.8	558.0	576.3	592.4	593.2
37.5°	674.9	670.3	653.6	636.0	606.9	591.7	599.3	619.2	640.6	658.9	661.2
40°	745.3	745.3	726.9	703.3	668.1	649.8	658.2	684.9	712.4	729.3	733.0
42.5°	824.0	824.8	804.1	775.9	734.6	713.2	723.1	754.4	788.1	806.5	810.3
45°	906.6	908.9	893.5	853.9	806.5	780.5	792.0	831.7	869.1	888.2	891.3
47.5°	995.2	998.3	983.8	937.9	883.6	855.4	867.6	912.7	956.3	974.7	977.6
50°	1089.2	1091.6	1074.0	1028.9	967.7	933.3	948.6	999.1	1044.2	1062.5	1067.1
52.5°	1186.3	1188.7	1171.8	1126.8	1055.7	1017.4	1035.7	1088.5	1139.0	1155.0	1155.8
55°	1284.2	1287.3	1272.8	1223.9	1147.3	1103.8	1124.4	1180.3	1234.5	1249.8	1254.4
57.5°	1380.6	1383.5	1377.5	1322.5	1240.6	1190.9	1214.7	1275.8	1329.3	1341.5	1342.3
60°	1470.7	1476.1	1471.5	1417.2	1328.5	1274.3	1299.5	1363.7	1417.2	1427.1	1428.7
62.5°	1550.2	1553.2	1555.6	1506.6	1406.6	1347.6	1376.0	1442.5	1494.4	1500.6	1499.7
65°	1604.5	1610.6	1618.2	1570.8	1470.0	1406.6	1435.6	1500.6	1548.6	1553.2	1550.2
67.5°	1625.2	1633.6	1650.3	1608.3	1509.0	1442.5	1470.7	1531.2	1572.4	1574.7	1569.3
68°	1625.2	1632.7	1652.7	1611.4	1512.7	1446.2	1473.8	1533.4	1573.2	1573.2	1568.6
70°	1601.4	1612.2	1638.2	1606.7	1513.6	1449.3	1473.0	1524.2	1557.9	1551.7	1544.9
72.5°	1526.5	1538.7	1573.9	1554.8	1478.4	1421.1	1437.9	1475.3	1490.6	1478.4	1471.5
75°	1396.5	1409.5	1457.7	1454.6	1400.4	1353.0	1363.0	1379.8	1379.8	1356.8	1344.6
77.5°	1233.0	1245.2	1292.6	1311.7	1285.7	1250.6	1250.6	1246.8	1227.6	1189.4	1178.7
80°	1038.8	1049.5	1100.0	1140.5	1135.9	1116.0	1106.8	1082.4	1048.7	1006.7	991.4
82.5°	844.7	856.1	905.1	946.3	973.1	965.5	949.4	911.1	861.5	814.9	805.7
85°	669.6	673.4	724.7	777.4	808.0	811.0	794.2	745.3	694.1	648.2	637.5
87.5°	522.1	527.4	569.5	623.0	660.4	663.5	646.7	597.0	547.3	506.1	496.8
90°	401.3	409.7	443.3	491.5	527.4	535.1	518.2	473.9	427.3	389.8	382.2
92.5°	309.5	315.0	344.7	386.1	418.9	428.8	413.6	374.6	334.1	301.2	298.1
95°	243.1	244.6	268.3	303.5	331.0	344.0	329.5	296.6	261.5	234.7	231.6
97.5°	188.0	191.1	210.2	240.0	265.3	273.6	263.0	235.5	206.4	181.2	178.9
100°	146.0	148.3	165.1	191.9	212.5	220.1	211.8	188.8	162.0	142.2	142.2
102.5°	116.2	116.9	130.7	152.9	169.7	176.6	170.4	151.4	128.4	112.3	113.1
105°	93.3	93.3	103.9	123.9	139.8	144.4	139.1	122.3	102.4	90.2	90.2
107.5°	74.9	75.7	84.1	100.9	115.4	120.0	115.4	100.1	82.6	73.3	73.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	61.9	61.9	68.0	82.6	95.5	100.1	95.5	81.8	67.3	59.6	59.6
112.5°	51.2	51.2	55.8	68.0	79.5	84.1	79.5	67.3	55.0	49.7	49.7
115°	43.6	43.6	46.6	56.6	66.5	70.3	66.5	56.6	45.8	42.8	42.8
117.5°	37.4	37.4	39.8	47.4	55.8	59.6	55.8	46.6	39.0	36.7	36.7
120°	32.8	32.8	33.7	39.0	46.6	49.7	46.6	39.0	32.8	31.3	31.3
122.5°	28.2	28.2	28.2	32.8	39.0	41.3	38.3	32.8	28.2	27.5	27.5
125°	25.3	24.4	25.3	27.5	32.1	35.2	32.1	27.5	24.4	24.4	24.4
127.5°	22.2	22.2	21.4	22.9	26.8	28.2	26.8	22.9	21.4	21.4	21.4
130°	19.1	19.1	19.1	19.8	21.4	22.9	22.2	19.8	19.1	19.1	19.1
132.5°	16.8	16.8	16.1	16.8	17.6	18.3	17.6	16.1	16.1	16.8	16.8
135°	14.5	14.5	14.5	13.8	13.8	14.5	13.8	13.8	14.5	14.5	14.5
137.5°	13.0	13.0	12.3	11.5	10.7	10.7	10.7	11.5	12.3	12.3	13.0
140°	10.7	10.7	9.9	9.2	8.4	8.4	8.4	9.2	9.9	10.7	10.7
142.5°	9.2	9.2	8.4	6.9	6.1	5.3	6.1	6.9	7.7	8.4	8.4
145°	6.9	6.9	6.1	5.3	4.6	3.8	3.8	5.3	6.1	6.9	6.9
147.5°	5.3	5.3	4.6	3.8	3.1	2.3	2.3	3.8	4.6	5.3	5.3
150°	3.8	3.8	3.1	2.3	1.5	1.5	1.5	2.3	3.1	3.1	3.8
152.5°	2.3	2.3	1.5	1.5	0.7	0.7	0.7	1.5	1.5	2.3	2.3
155°	0.7	1.5	0.7	0.7	0.7	0.0	0.7	0.7	0.7	1.5	1.5
157.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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)