

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: P416270

Luminaire Tested: **LXF.LXT-PA1-70-730-U-5WQ-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416270  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-730-U-5WQ-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 930mA 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: 7473 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Medium - Non-Cutoff  
BUG Rating: B3 - U3 - G3

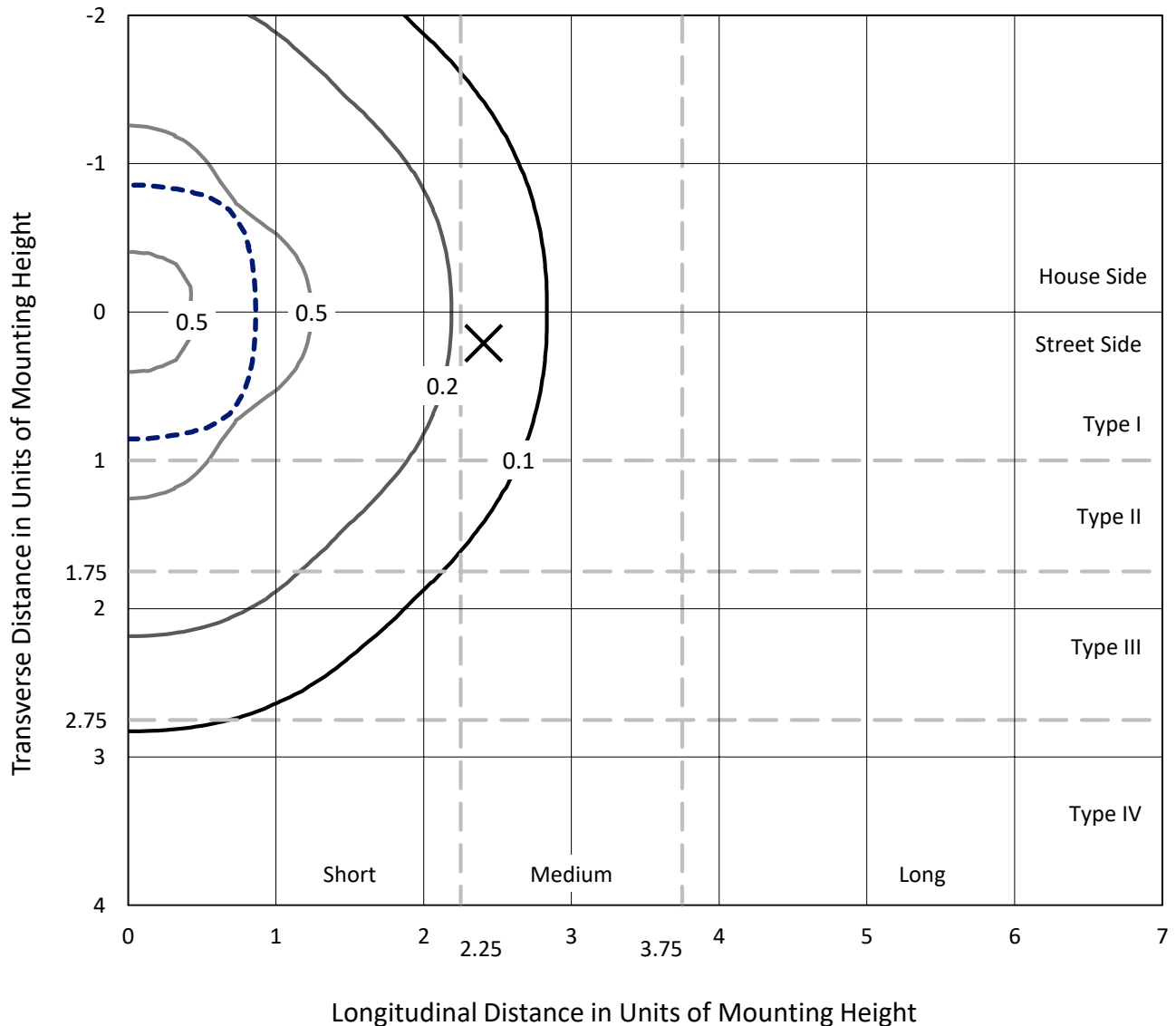
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

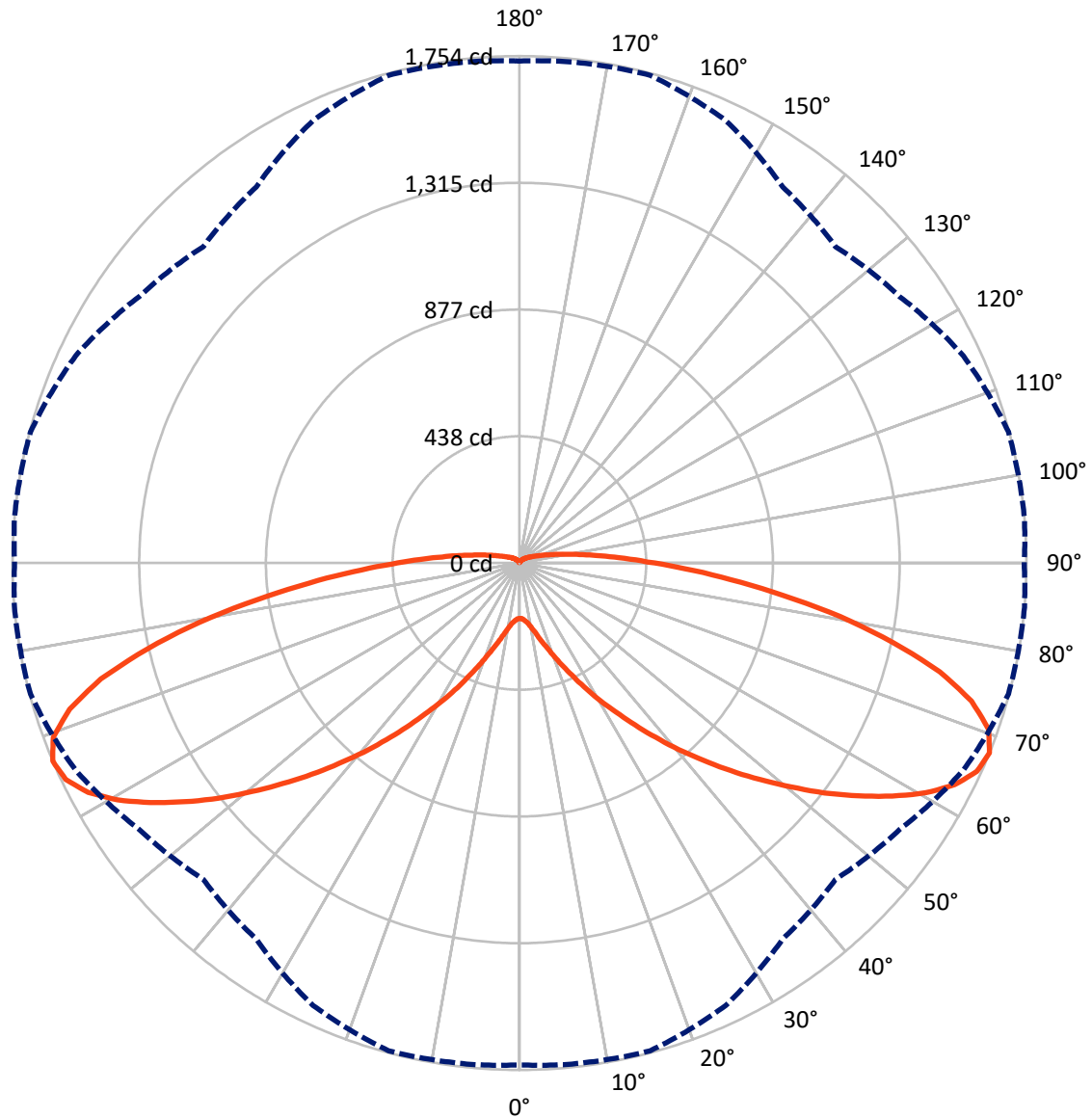
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type V - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



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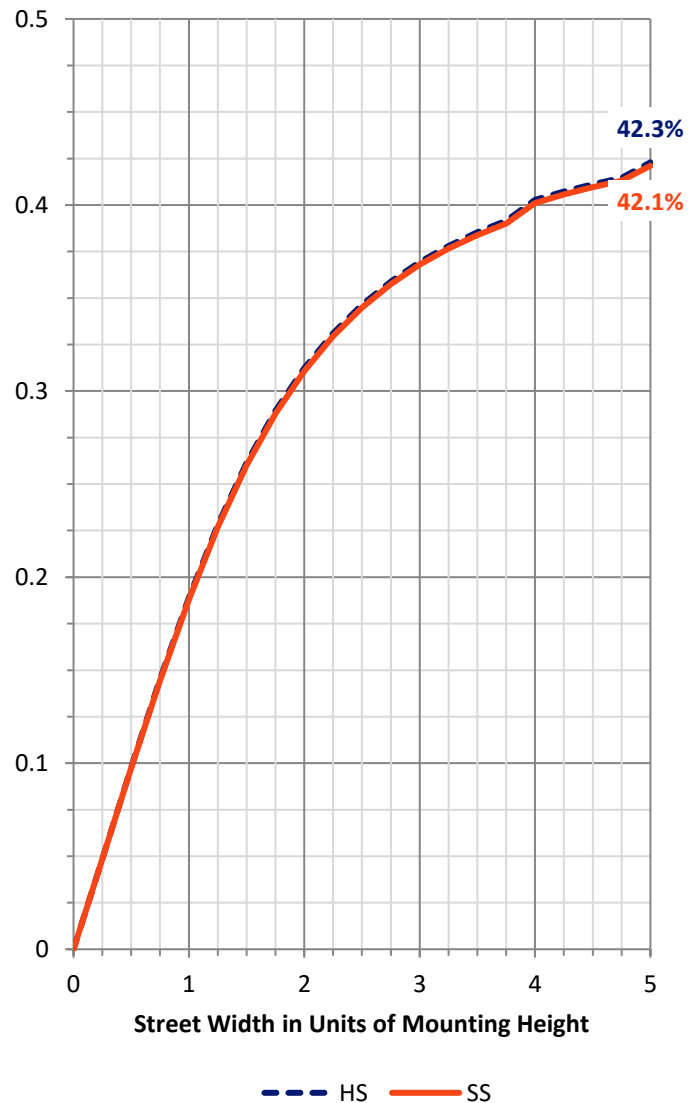
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3388.7	347.9	3736.5
	% Fixture	45.3	4.7	50.0
<b>Street Side</b>	Lumens	3388.7	347.9	3736.5
	% Fixture	45.3	4.7	50.0
<b>Total</b>	Lumens	6777.3	695.7	7473.0
	% Fixture	90.7	9.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.0	0.3
10°-20°	81.2	1.1
20°-30°	205.4	2.7
30°-40°	422.8	5.7
40°-50°	760.0	10.2
50°-60°	1214.9	16.3
60°-70°	1625.5	21.8
70°-80°	1540.3	20.6
80°-90°	907.2	12.1
90°-100°	391.9	5.2
100°-110°	166.9	2.2
110°-120°	76.9	1.0
120°-130°	36.8	0.5
130°-140°	16.5	0.2
140°-150°	5.6	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6777.3	90.7
0°-180°	7473.0	100.0



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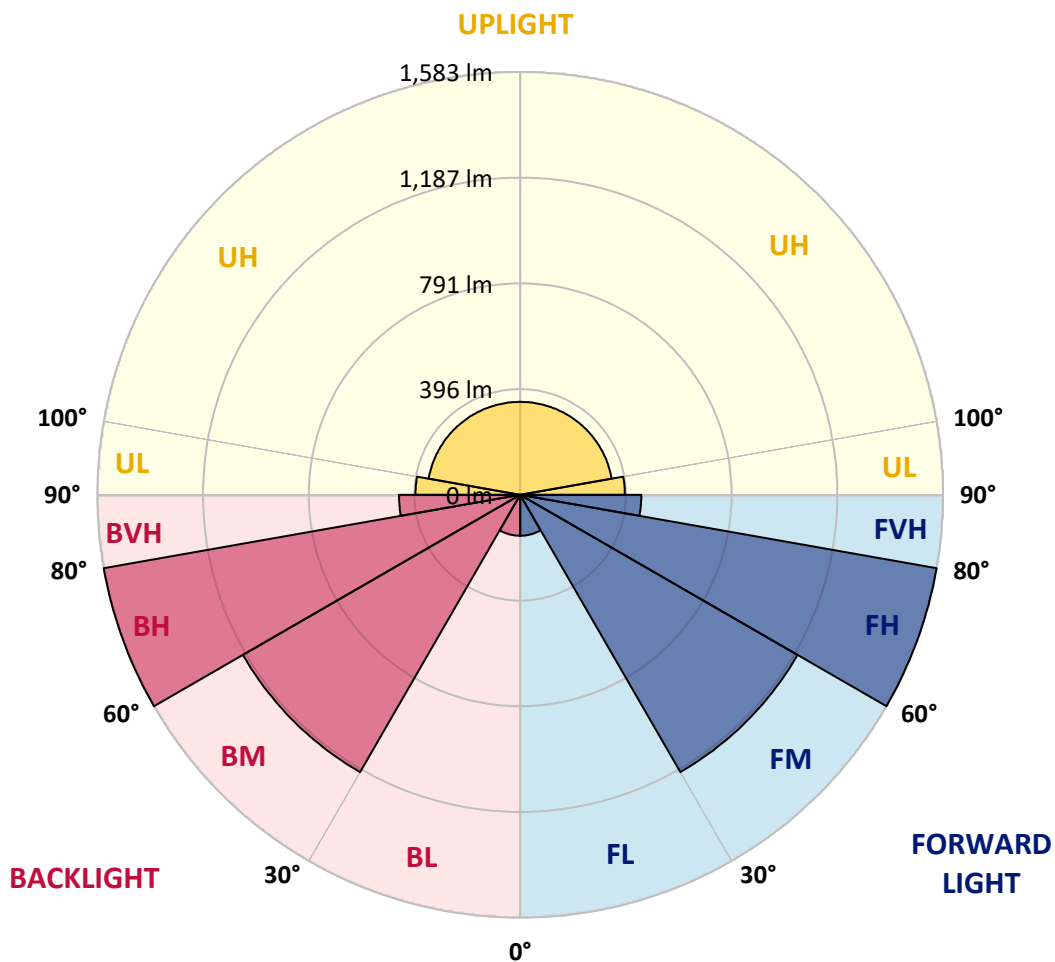
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.3	2.1			
FM	(30°-60°)	1198.8	16.0			
FH	(60°-80°)	1582.9	21.2			G1/1800
FVH	(80°-90°)	453.6	6.1			G3/500
BL	(0°-30°)	153.3	2.1	B1/500		
BM	(30°-60°)	1198.8	16.0	B2/2500		
BH	(60°-80°)	1582.9	21.2	B3/2500		G1/1800
BVH	(80°-90°)	453.6	6.1			G3/500
UL	(90°-100°)	391.9	5.2		U3/500	
UH	(100°-180°)	347.9	4.7		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°	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6
2.5°	193.3	192.5	193.3	193.3	194.1	194.1	194.1	194.1	193.3	193.3	193.3
5°	200.0	200.0	200.0	200.0	200.8	200.8	200.8	200.0	200.0	200.0	200.0
7.5°	212.5	211.6	212.5	211.6	211.6	210.8	211.6	210.8	210.0	210.0	210.0
10°	228.3	228.3	228.3	227.5	227.5	227.5	225.8	225.8	225.8	226.6	225.8
12.5°	254.1	252.5	252.5	249.1	247.5	246.6	245.8	245.8	248.3	248.3	246.6
15°	284.1	283.3	283.3	279.1	275.8	270.8	271.6	275.0	275.0	276.6	275.8
17.5°	319.9	319.1	316.6	312.4	308.3	304.9	303.3	304.9	306.6	307.4	308.3
20°	359.1	358.3	354.9	350.8	346.6	344.9	339.1	341.6	343.3	344.9	344.1
22.5°	400.8	400.8	397.4	391.6	387.4	384.1	381.6	379.1	384.9	388.3	389.1
25°	451.6	449.9	444.1	437.4	432.4	429.9	426.6	426.6	430.8	437.4	439.1
27.5°	504.9	503.3	494.9	487.4	480.8	474.9	473.3	475.8	483.3	493.3	493.3
30°	564.1	560.7	553.2	541.6	530.7	524.9	526.6	530.7	541.6	553.2	552.4
32.5°	629.1	623.2	614.9	601.6	585.7	577.4	579.9	591.6	602.4	614.9	616.6
35°	698.2	697.4	684.1	666.6	646.6	633.2	638.2	654.1	670.7	688.2	690.7
37.5°	769.0	771.5	755.7	736.5	707.4	691.6	702.4	724.9	745.7	764.9	766.5
40°	855.7	853.2	837.4	809.0	774.0	756.5	765.7	797.4	824.0	848.2	849.9
42.5°	944.8	938.2	924.8	890.7	844.0	828.2	841.5	877.4	913.2	933.2	934.0
45°	1029.0	1031.5	1016.5	975.7	924.0	899.9	919.0	961.5	1003.2	1024.8	1027.3
47.5°	1134.8	1128.1	1114.8	1062.3	1004.0	979.8	1001.5	1053.2	1099.0	1119.0	1118.1
50°	1238.1	1234.0	1214.8	1159.8	1094.0	1064.8	1086.5	1149.8	1199.8	1217.3	1221.5
52.5°	1336.4	1334.8	1318.1	1257.3	1186.5	1150.6	1180.6	1246.5	1304.0	1321.4	1323.1
55°	1437.3	1432.3	1419.8	1356.4	1275.6	1235.6	1273.1	1346.4	1405.6	1422.3	1423.1
57.5°	1527.2	1530.6	1520.6	1453.9	1360.6	1322.3	1363.9	1445.6	1505.6	1521.4	1523.9
60°	1617.2	1618.1	1610.6	1545.6	1446.4	1403.1	1451.4	1536.4	1600.6	1614.7	1615.6
62.5°	1688.1	1689.7	1683.9	1613.1	1513.9	1472.3	1525.6	1613.9	1679.7	1689.7	1688.9
65°	1731.4	1736.4	1733.0	1668.9	1563.1	1524.7	1580.6	1673.1	1733.0	1738.9	1736.4
67.5°	1736.4	1742.2	1747.2	1688.9	1588.1	1547.2	1606.4	1694.7	1751.4	1753.9	1746.4
70°	1699.7	1705.6	1717.2	1668.9	1575.6	1541.4	1598.1	1677.2	1724.7	1721.4	1713.1
72.5°	1605.6	1618.1	1635.6	1603.1	1524.7	1496.4	1552.2	1615.6	1648.1	1635.6	1623.9
75°	1470.6	1483.1	1516.4	1498.1	1438.1	1422.3	1463.9	1511.4	1520.6	1502.3	1486.4
77.5°	1306.5	1322.3	1353.1	1367.3	1327.3	1311.5	1346.4	1371.4	1361.4	1321.4	1309.8
80°	1114.8	1139.8	1172.3	1194.8	1184.8	1179.8	1197.3	1194.8	1158.1	1126.5	1106.5
82.5°	939.8	944.8	994.8	1023.2	1026.5	1028.2	1033.2	1003.2	960.7	918.2	899.9
85°	768.2	769.9	811.5	852.4	868.2	873.2	864.0	824.0	779.9	732.4	719.9
87.5°	615.7	618.2	654.9	696.6	724.0	727.4	709.9	670.7	615.7	573.2	562.4
90°	486.6	494.9	531.6	565.7	594.9	599.9	574.9	533.2	482.4	441.6	434.9
92.5°	389.1	393.3	426.6	458.3	485.8	486.6	469.1	426.6	381.6	344.9	336.6
95°	312.4	315.8	342.4	371.6	394.1	399.1	379.1	341.6	300.0	268.3	266.6
97.5°	249.1	253.3	274.1	304.9	321.6	324.9	311.6	276.6	238.3	210.0	210.0
100°	200.0	202.5	220.8	246.6	264.1	267.5	254.1	223.3	190.0	165.0	163.3
102.5°	162.5	164.1	179.1	202.5	218.3	221.6	210.0	185.0	152.5	132.5	131.6
105°	133.3	134.1	145.8	167.5	182.5	185.0	174.1	152.5	123.3	106.6	105.8
107.5°	109.1	110.0	119.1	139.1	153.3	155.8	146.6	125.0	100.0	88.3	86.7
110°	91.7	92.5	99.2	115.0	129.1	132.5	123.3	104.1	82.5	72.5	72.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	77.5	78.3	83.3	96.7	109.1	113.3	104.1	86.7	69.2	61.7	60.8
115°	65.8	66.7	70.0	81.7	91.7	95.0	88.3	72.5	58.3	52.5	52.5
117.5°	57.5	58.3	60.0	69.2	78.3	80.8	74.2	60.8	49.2	45.8	45.8
120°	50.8	50.8	51.7	58.3	65.8	68.3	62.5	51.7	42.5	40.0	40.0
122.5°	44.2	44.2	45.0	50.0	55.8	57.5	52.5	43.3	36.7	35.8	35.0
125°	39.2	39.2	39.2	42.5	47.5	48.3	44.2	36.7	32.5	31.7	31.7
127.5°	34.2	34.2	34.2	35.8	39.2	40.0	36.7	30.8	28.3	27.5	27.5
130°	30.0	30.0	30.0	30.8	32.5	33.3	30.0	26.7	25.0	25.0	25.0
132.5°	26.7	26.7	25.8	25.8	26.7	26.7	25.0	22.5	21.7	21.7	21.7
135°	23.3	23.3	22.5	21.7	21.7	20.8	19.2	18.3	19.2	19.2	19.2
137.5°	20.0	20.0	19.2	18.3	17.5	16.7	15.8	15.0	15.8	16.7	16.7
140°	16.7	16.7	15.8	14.2	13.3	12.5	11.7	12.5	13.3	14.2	14.2
142.5°	13.3	13.3	13.3	11.7	10.0	9.2	9.2	10.0	10.8	11.7	11.7
145°	10.8	10.8	10.0	9.2	7.5	6.7	6.7	7.5	9.2	9.2	9.2
147.5°	8.3	8.3	7.5	6.7	5.0	4.2	5.0	5.8	6.7	7.5	7.5
150°	5.8	5.8	5.8	5.0	3.3	3.3	3.3	4.2	5.0	5.0	5.0
152.5°	3.3	3.3	3.3	3.3	2.5	1.7	2.5	3.3	3.3	3.3	3.3
155°	2.5	2.5	2.5	2.5	1.7	1.7	1.7	2.5	2.5	2.5	2.5
157.5°	0.8	0.8	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
160°	0.0	0.0	0.8	0.8	1.7	1.7	1.7	1.7	0.8	0.8	0.8
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)