

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: P413982

Luminaire Tested: **LXF.LXT-PA1-100-827-U-5WQ-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413982  
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-PA1-100-827-U-5WQ-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA 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: 7198 lumens  
Efficiency: N/A  
Efficacy: 75.0 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

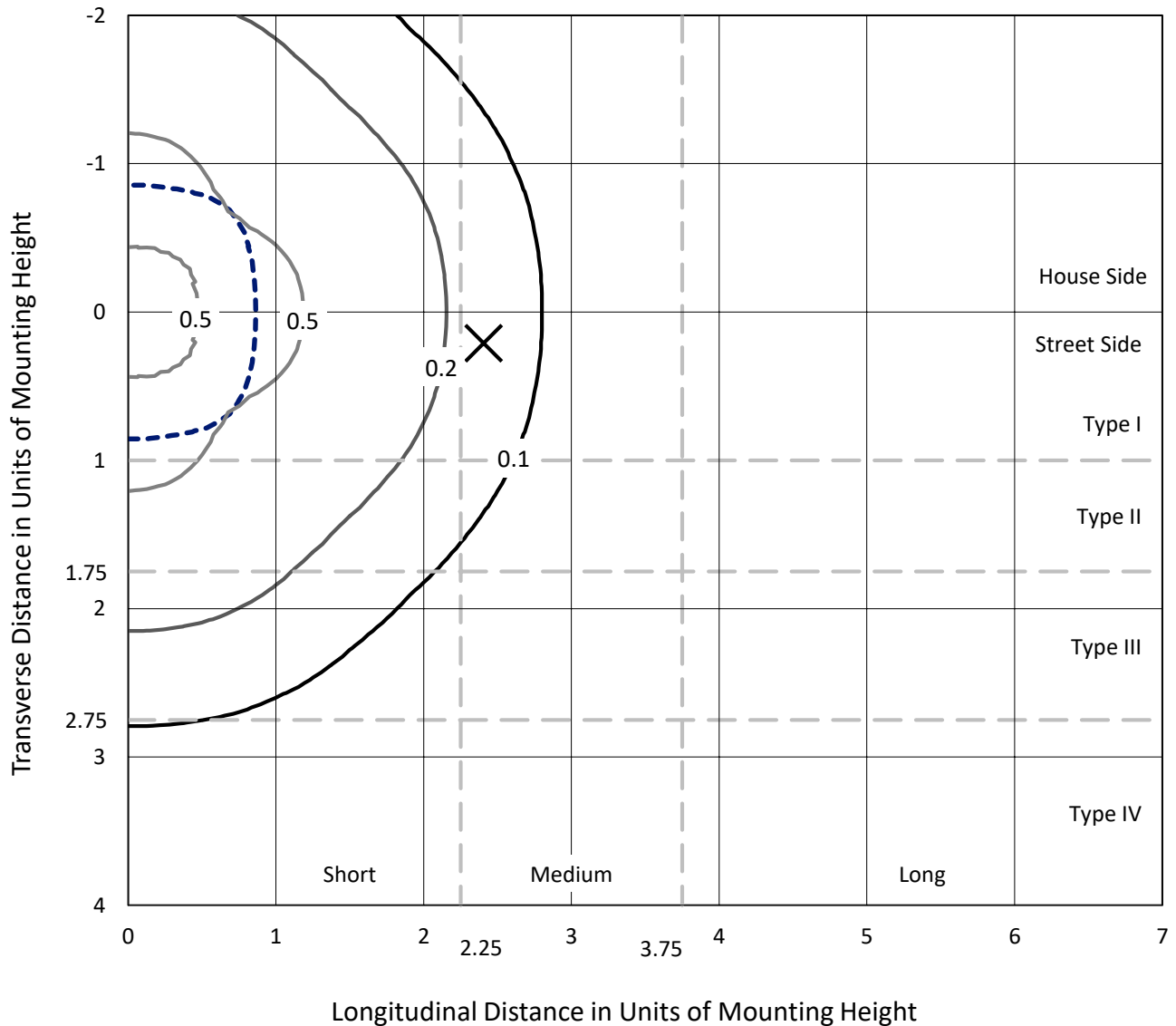
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

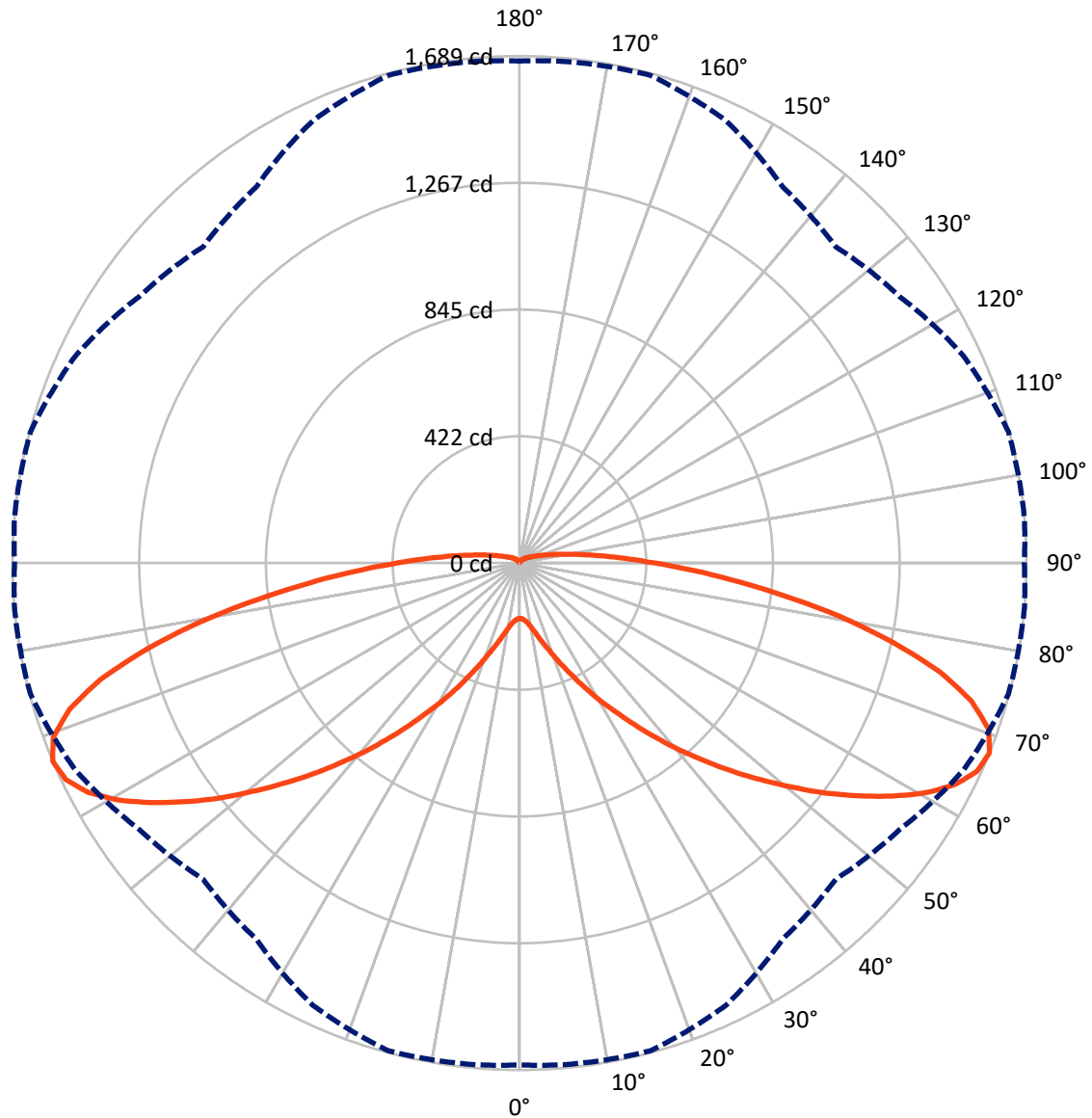


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type V - Medium - Non-Cutoff

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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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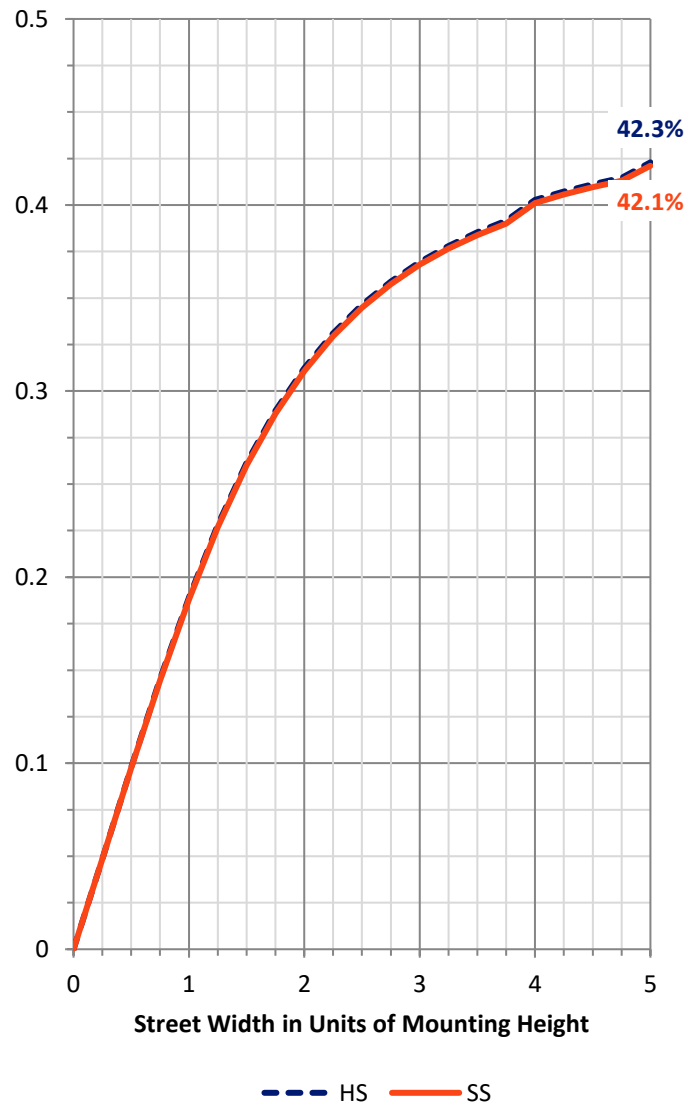
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3263.9	335.0	3599.0
	% Fixture	45.3	4.7	50.0
<b>Street Side</b>	Lumens	3263.9	335.0	3599.0
	% Fixture	45.3	4.7	50.0
<b>Total</b>	Lumens	6527.9	670.1	7198.0
	% Fixture	90.7	9.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.2	0.3
10°-20°	78.2	1.1
20°-30°	197.9	2.7
30°-40°	407.2	5.7
40°-50°	732.0	10.2
50°-60°	1170.2	16.3
60°-70°	1565.7	21.8
70°-80°	1483.6	20.6
80°-90°	873.8	12.1
90°-100°	377.5	5.2
100°-110°	160.8	2.2
110°-120°	74.0	1.0
120°-130°	35.4	0.5
130°-140°	15.9	0.2
140°-150°	5.4	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6527.9	90.7
0°-180°	7198.0	100.0



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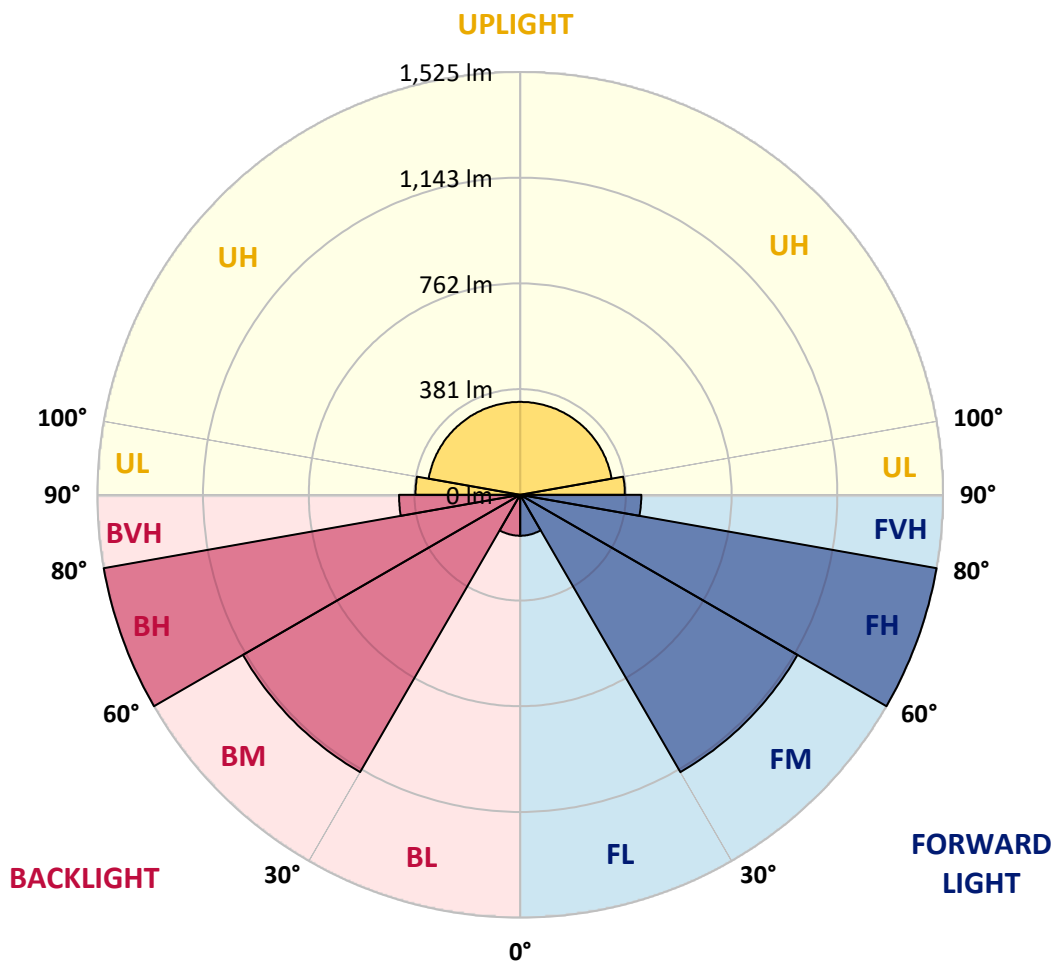
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.7	2.1			
FM	(30°-60°)	1154.7	16.0			
FH	(60°-80°)	1524.7	21.2			G1/1800
FVH	(80°-90°)	436.9	6.1			G3/500
BL	(0°-30°)	147.7	2.1	B1/500		
BM	(30°-60°)	1154.7	16.0	B2/2500		
BH	(60°-80°)	1524.7	21.2	B3/2500		G1/1800
BVH	(80°-90°)	436.9	6.1			G3/500
UL	(90°-100°)	377.5	5.2		U3/500	
UH	(100°-180°)	335.0	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°	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6
2.5°	186.2	185.4	186.2	186.2	187.0	187.0	187.0	187.0	186.2	186.2	186.2
5°	192.6	192.6	192.6	192.6	193.4	193.4	193.4	192.6	192.6	192.6	192.6
7.5°	204.6	203.8	204.6	203.8	203.8	203.0	203.8	203.0	202.2	202.2	202.2
10°	219.9	219.9	219.9	219.1	219.1	219.1	217.5	217.5	217.5	218.3	217.5
12.5°	244.8	243.2	243.2	240.0	238.4	237.6	236.7	236.7	239.2	239.2	237.6
15°	273.7	272.9	272.9	268.8	265.6	260.8	261.6	264.8	264.8	266.4	265.6
17.5°	308.2	307.4	305.0	301.0	296.9	293.7	292.1	293.7	295.3	296.1	296.9
20°	345.9	345.1	341.9	337.9	333.9	332.2	326.6	329.0	330.6	332.2	331.4
22.5°	386.0	386.0	382.8	377.2	373.2	370.0	367.6	365.2	370.8	374.0	374.8
25°	435.0	433.4	427.8	421.3	416.5	414.1	410.9	410.9	414.9	421.3	422.9
27.5°	486.3	484.7	476.7	469.5	463.1	457.4	455.8	458.2	465.5	475.1	475.1
30°	543.3	540.1	532.9	521.6	511.2	505.6	507.2	511.2	521.6	532.9	532.1
32.5°	605.9	600.3	592.3	579.4	564.2	556.2	558.6	569.8	580.2	592.3	593.9
35°	672.5	671.7	658.9	642.0	622.8	609.9	614.7	630.0	646.0	662.9	665.3
37.5°	740.7	743.1	727.9	709.4	681.4	666.1	676.5	698.2	718.3	736.7	738.3
40°	824.2	821.8	806.5	779.3	745.6	728.7	737.5	768.0	793.7	817.0	818.6
42.5°	910.1	903.7	890.8	857.9	813.0	797.7	810.6	845.1	879.6	898.8	899.6
45°	991.1	993.5	979.1	939.8	890.0	866.7	885.2	926.1	966.3	987.1	989.5
47.5°	1093.1	1086.6	1073.8	1023.2	967.1	943.8	964.6	1014.4	1058.5	1077.8	1077.0
50°	1192.6	1188.6	1170.1	1117.1	1053.7	1025.6	1046.5	1107.5	1155.7	1172.5	1176.5
52.5°	1287.3	1285.7	1269.6	1211.0	1142.8	1108.3	1137.2	1200.6	1256.0	1272.8	1274.4
55°	1384.4	1379.6	1367.5	1306.5	1228.7	1190.2	1226.3	1296.9	1353.9	1369.9	1370.7
57.5°	1471.0	1474.3	1464.6	1400.4	1310.5	1273.6	1313.7	1392.4	1450.2	1465.4	1467.8
60°	1557.7	1558.5	1551.3	1488.7	1393.2	1351.5	1398.0	1479.9	1541.7	1555.3	1556.1
62.5°	1625.9	1627.5	1621.9	1553.7	1458.2	1418.1	1469.4	1554.5	1617.9	1627.5	1626.7
65°	1667.7	1672.5	1669.3	1607.5	1505.6	1468.6	1522.4	1611.5	1669.3	1674.9	1672.5
67.5°	1672.5	1678.1	1682.9	1626.7	1529.6	1490.3	1547.3	1632.4	1686.9	1689.3	1682.1
70°	1637.2	1642.8	1654.0	1607.5	1517.6	1484.7	1539.3	1615.5	1661.2	1658.0	1650.0
72.5°	1546.5	1558.5	1575.4	1544.1	1468.6	1441.4	1495.1	1556.1	1587.4	1575.4	1564.1
75°	1416.5	1428.5	1460.6	1443.0	1385.2	1369.9	1410.1	1455.8	1464.6	1447.0	1431.7
77.5°	1258.4	1273.6	1303.3	1317.0	1278.4	1263.2	1296.9	1321.0	1311.3	1272.8	1261.6
80°	1073.8	1097.9	1129.2	1150.8	1141.2	1136.4	1153.2	1150.8	1115.5	1085.0	1065.8
82.5°	905.3	910.1	958.2	985.5	988.7	990.3	995.1	966.3	925.3	884.4	866.7
85°	739.9	741.5	781.7	821.0	836.2	841.1	832.2	793.7	751.2	705.4	693.4
87.5°	593.1	595.5	630.8	670.9	697.4	700.6	683.8	646.0	593.1	552.1	541.7
90°	468.7	476.7	512.0	544.9	573.0	577.8	553.7	513.6	464.7	425.3	418.9
92.5°	374.8	378.8	410.9	441.4	467.9	468.7	451.8	410.9	367.6	332.2	324.2
95°	301.0	304.2	329.8	357.9	379.6	384.4	365.2	329.0	288.9	258.4	256.8
97.5°	240.0	244.0	264.0	293.7	309.8	313.0	300.1	266.4	229.5	202.2	202.2
100°	192.6	195.0	212.7	237.6	254.4	257.6	244.8	215.1	183.0	158.9	157.3
102.5°	156.5	158.1	172.5	195.0	210.3	213.5	202.2	178.2	146.9	127.6	126.8
105°	128.4	129.2	140.4	161.3	175.8	178.2	167.7	146.9	118.8	102.7	101.9
107.5°	105.1	105.9	114.8	134.0	147.7	150.1	141.2	120.4	96.3	85.1	83.5
110°	88.3	89.1	95.5	110.7	124.4	127.6	118.8	100.3	79.5	69.8	69.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	74.6	75.4	80.3	93.1	105.1	109.1	100.3	83.5	66.6	59.4	58.6
115°	63.4	64.2	67.4	78.6	88.3	91.5	85.1	69.8	56.2	50.6	50.6
117.5°	55.4	56.2	57.8	66.6	75.4	77.8	71.4	58.6	47.3	44.1	44.1
120°	49.0	49.0	49.8	56.2	63.4	65.8	60.2	49.8	40.9	38.5	38.5
122.5°	42.5	42.5	43.3	48.2	53.8	55.4	50.6	41.7	35.3	34.5	33.7
125°	37.7	37.7	37.7	40.9	45.7	46.5	42.5	35.3	31.3	30.5	30.5
127.5°	32.9	32.9	32.9	34.5	37.7	38.5	35.3	29.7	27.3	26.5	26.5
130°	28.9	28.9	28.9	29.7	31.3	32.1	28.9	25.7	24.1	24.1	24.1
132.5°	25.7	25.7	24.9	24.9	25.7	25.7	24.1	21.7	20.9	20.9	20.9
135°	22.5	22.5	21.7	20.9	20.9	20.1	18.5	17.7	18.5	18.5	18.5
137.5°	19.3	19.3	18.5	17.7	16.9	16.1	15.2	14.4	15.2	16.1	16.1
140°	16.1	16.1	15.2	13.6	12.8	12.0	11.2	12.0	12.8	13.6	13.6
142.5°	12.8	12.8	12.8	11.2	9.6	8.8	8.8	9.6	10.4	11.2	11.2
145°	10.4	10.4	9.6	8.8	7.2	6.4	6.4	7.2	8.8	8.8	8.8
147.5°	8.0	8.0	7.2	6.4	4.8	4.0	4.8	5.6	6.4	7.2	7.2
150°	5.6	5.6	5.6	4.8	3.2	3.2	3.2	4.0	4.8	4.8	4.8
152.5°	3.2	3.2	3.2	3.2	2.4	1.6	2.4	3.2	3.2	3.2	3.2
155°	2.4	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
157.5°	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
160°	0.0	0.0	0.8	0.8	1.6	1.6	1.6	1.6	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)