

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: P415698

Luminaire Tested: **LXF.LXT-PA1-50-830-U-5WQ-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415698  
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-PA1-50-830-U-5WQ-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 670mA 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: 5032 lumens  
Efficiency: N/A  
Efficacy: 93.2 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

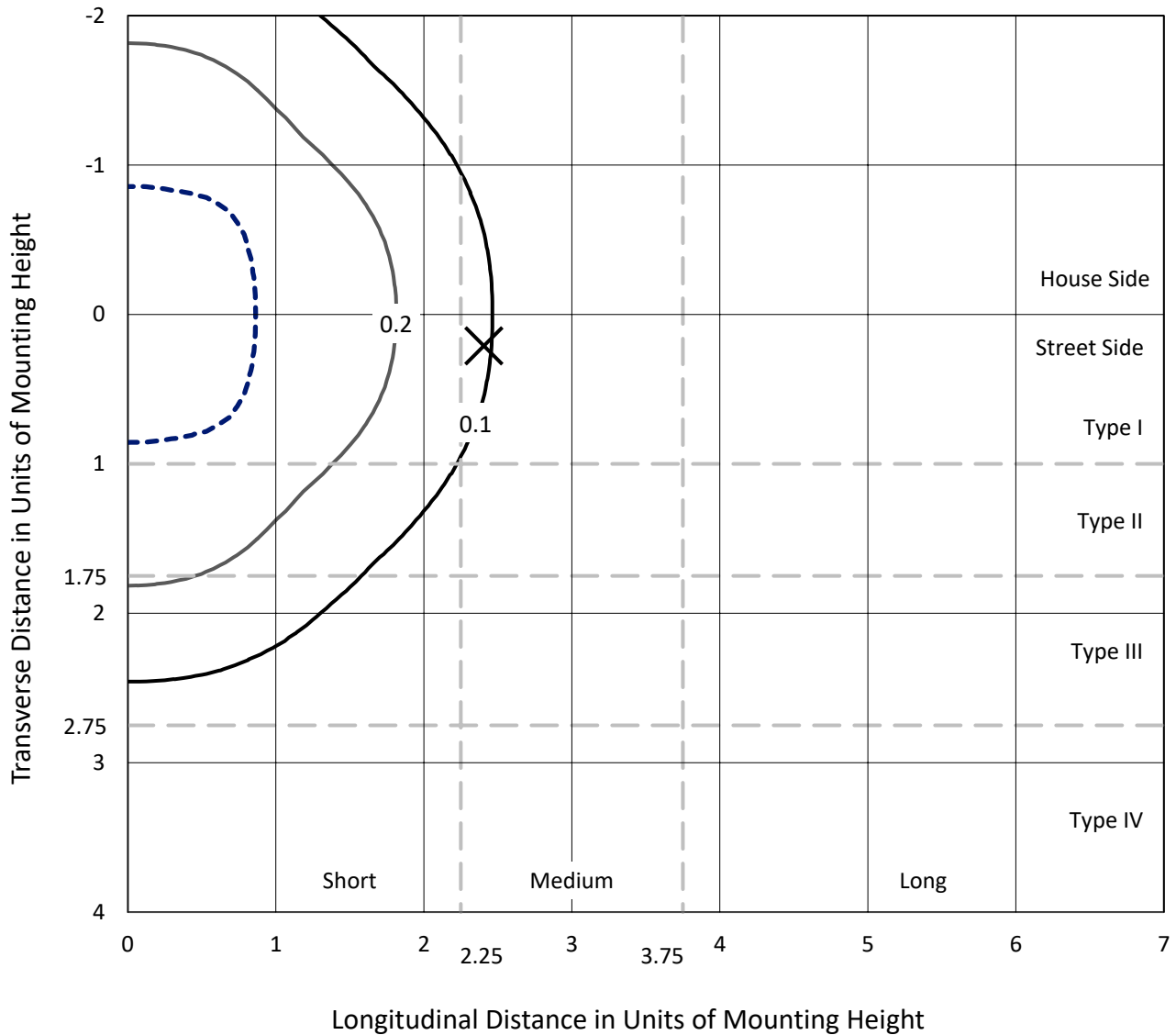
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

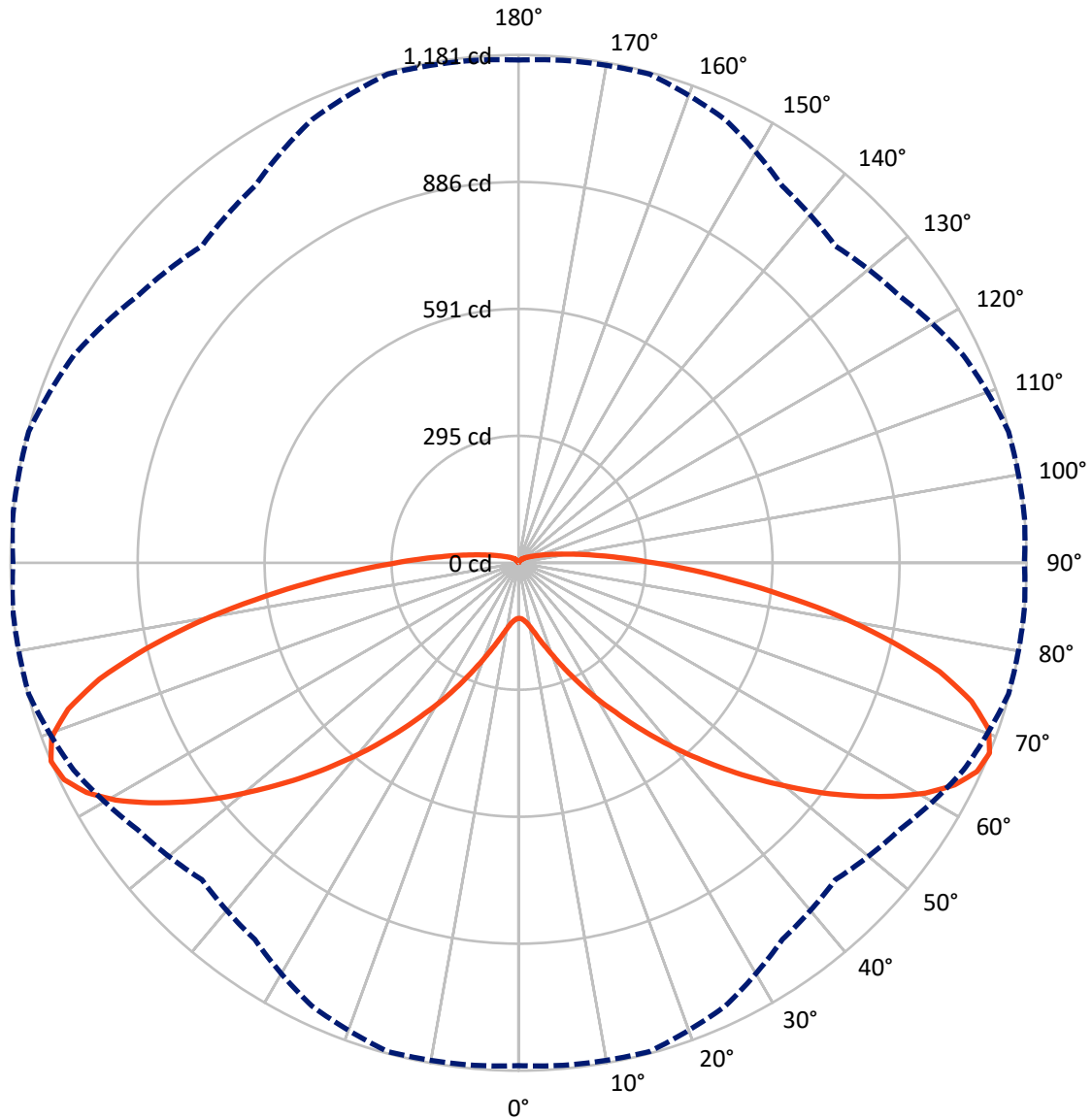
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 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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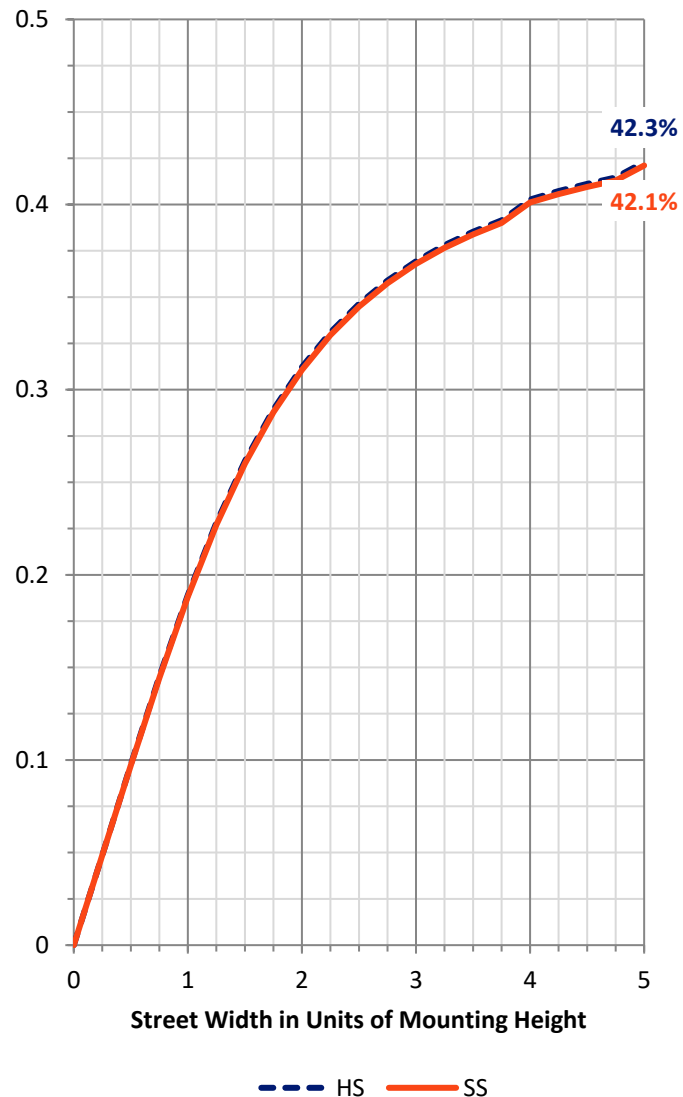
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2281.8	234.2	2516.0
	% Fixture	45.3	4.7	50.0
<b>Street Side</b>	Lumens	2281.8	234.2	2516.0
	% Fixture	45.3	4.7	50.0
<b>Total</b>	Lumens	4563.6	468.5	5032.0
	% Fixture	90.7	9.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.4	0.3
10°-20°	54.7	1.1
20°-30°	138.3	2.7
30°-40°	284.7	5.7
40°-50°	511.8	10.2
50°-60°	818.1	16.3
60°-70°	1094.6	21.8
70°-80°	1037.2	20.6
80°-90°	610.9	12.1
90°-100°	263.9	5.2
100°-110°	112.4	2.2
110°-120°	51.7	1.0
120°-130°	24.8	0.5
130°-140°	11.1	0.2
140°-150°	3.8	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4563.6	90.7
0°-180°	5032.0	100.0

**Coefficient of Utilization**



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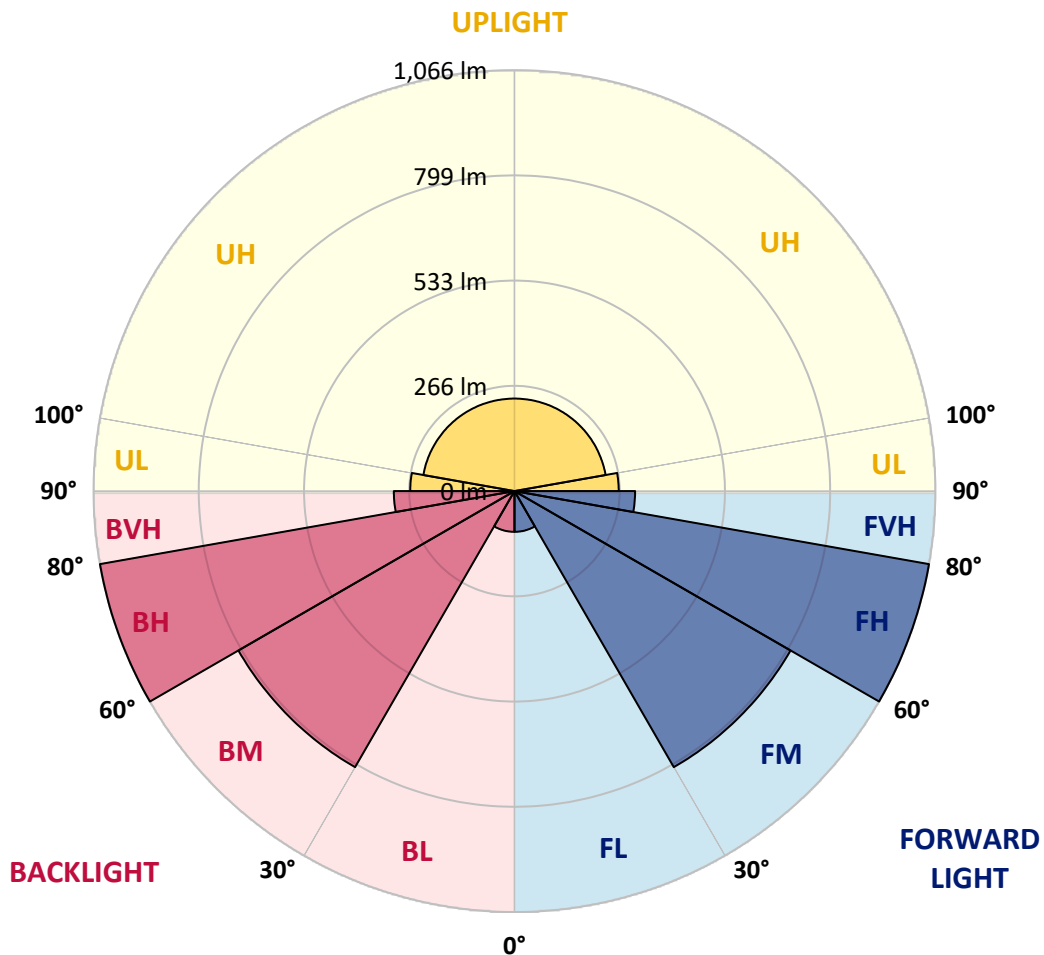
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	103.2	2.1			
FM (30°-60°)	807.2	16.0			
FH (60°-80°)	1065.9	21.2			G1/1800
FVH (80°-90°)	305.4	6.1			G3/500
BL (0°-30°)	103.2	2.1	B0/110		
BM (30°-60°)	807.2	16.0	B1/1000		
BH (60°-80°)	1065.9	21.2	B3/2500		G1/1800
BVH (80°-90°)	305.4	6.1			G3/500
UL (90°-100°)	263.9	5.2		U3/500	
UH (100°-180°)	234.2	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°	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0
2.5°	130.2	129.6	130.2	130.2	130.7	130.7	130.7	130.7	130.2	130.2	130.2
5°	134.6	134.6	134.6	134.6	135.2	135.2	135.2	134.6	134.6	134.6	134.6
7.5°	143.1	142.5	143.1	142.5	142.5	141.9	142.5	141.9	141.4	141.4	141.4
10°	153.7	153.7	153.7	153.2	153.2	153.2	152.0	152.0	152.0	152.6	152.0
12.5°	171.1	170.0	170.0	167.8	166.6	166.1	165.5	165.5	167.2	167.2	166.1
15°	191.3	190.8	190.8	187.9	185.7	182.3	182.9	185.1	185.1	186.3	185.7
17.5°	215.4	214.9	213.2	210.4	207.6	205.3	204.2	205.3	206.5	207.0	207.6
20°	241.8	241.2	239.0	236.2	233.4	232.3	228.3	230.0	231.1	232.3	231.7
22.5°	269.9	269.9	267.6	263.7	260.9	258.6	257.0	255.3	259.2	261.4	262.0
25°	304.1	303.0	299.0	294.5	291.2	289.5	287.3	287.3	290.1	294.5	295.7
27.5°	340.0	338.9	333.3	328.2	323.7	319.8	318.7	320.4	325.4	332.1	332.1
30°	379.8	377.6	372.5	364.7	357.4	353.5	354.6	357.4	364.7	372.5	372.0
32.5°	423.6	419.7	414.0	405.1	394.4	388.8	390.5	398.3	405.6	414.0	415.2
35°	470.2	469.6	460.6	448.8	435.4	426.4	429.8	440.4	451.6	463.4	465.1
37.5°	517.8	519.5	508.9	496.0	476.3	465.7	473.0	488.1	502.1	515.0	516.2
40°	576.2	574.5	563.8	544.8	521.2	509.4	515.6	536.9	554.9	571.1	572.3
42.5°	636.2	631.7	622.8	599.8	568.3	557.7	566.6	590.8	614.9	628.4	628.9
45°	692.9	694.6	684.5	657.0	622.2	605.9	618.8	647.4	675.5	690.1	691.8
47.5°	764.1	759.6	750.7	715.3	676.1	659.8	674.4	709.2	740.0	753.5	752.9
50°	833.7	830.9	818.0	781.0	736.6	717.0	731.6	774.2	807.9	819.7	822.5
52.5°	899.9	898.8	887.6	846.6	798.9	774.8	795.0	839.3	878.0	889.8	890.9
55°	967.8	964.4	956.0	913.4	859.0	832.0	857.3	906.6	946.5	957.7	958.3
57.5°	1028.4	1030.6	1023.9	979.0	916.2	890.4	918.4	973.4	1013.8	1024.5	1026.1
60°	1089.0	1089.5	1084.5	1040.7	974.0	944.8	977.3	1034.6	1077.8	1087.3	1087.9
62.5°	1136.7	1137.8	1133.9	1086.2	1019.4	991.4	1027.3	1086.7	1131.1	1137.8	1137.2
65°	1165.8	1169.2	1167.0	1123.8	1052.5	1026.7	1064.3	1126.6	1167.0	1170.9	1169.2
67.5°	1169.2	1173.1	1176.5	1137.2	1069.3	1041.8	1081.7	1141.2	1179.3	1181.0	1175.9
70°	1144.5	1148.4	1156.3	1123.8	1060.9	1037.9	1076.1	1129.4	1161.3	1159.1	1153.5
72.5°	1081.1	1089.5	1101.3	1079.4	1026.7	1007.6	1045.2	1087.9	1109.7	1101.3	1093.5
75°	990.2	998.6	1021.1	1008.7	968.4	957.7	985.7	1017.7	1023.9	1011.6	1000.9
77.5°	879.7	890.4	911.1	920.7	893.7	883.1	906.6	923.5	916.7	889.8	882.0
80°	750.7	767.5	789.4	804.5	797.8	794.4	806.2	804.5	779.8	758.5	745.1
82.5°	632.9	636.2	669.9	689.0	691.2	692.3	695.7	675.5	646.9	618.3	605.9
85°	517.3	518.4	546.5	573.9	584.6	588.0	581.8	554.9	525.1	493.2	484.7
87.5°	414.6	416.3	441.0	469.0	487.5	489.8	478.0	451.6	414.6	386.0	378.7
90°	327.6	333.3	357.9	380.9	400.6	403.9	387.1	359.1	324.8	297.4	292.9
92.5°	262.0	264.8	287.3	308.6	327.1	327.6	315.9	287.3	257.0	232.3	226.7
95°	210.4	212.6	230.6	250.2	265.4	268.7	255.3	230.0	202.0	180.7	179.5
97.5°	167.8	170.6	184.6	205.3	216.6	218.8	209.8	186.3	160.5	141.4	141.4
100°	134.6	136.3	148.7	166.1	177.8	180.1	171.1	150.4	127.9	111.1	110.0
102.5°	109.4	110.5	120.6	136.3	147.0	149.2	141.4	124.6	102.7	89.2	88.6
105°	89.8	90.3	98.2	112.8	122.9	124.6	117.3	102.7	83.0	71.8	71.3
107.5°	73.5	74.1	80.2	93.7	103.2	104.9	98.7	84.2	67.3	59.5	58.3
110°	61.7	62.3	66.8	77.4	87.0	89.2	83.0	70.1	55.5	48.8	48.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	52.2	52.7	56.1	65.1	73.5	76.3	70.1	58.3	46.6	41.5	41.0
115°	44.3	44.9	47.1	55.0	61.7	64.0	59.5	48.8	39.3	35.3	35.3
117.5°	38.7	39.3	40.4	46.6	52.7	54.4	49.9	41.0	33.1	30.9	30.9
120°	34.2	34.2	34.8	39.3	44.3	46.0	42.1	34.8	28.6	26.9	26.9
122.5°	29.7	29.7	30.3	33.7	37.6	38.7	35.3	29.2	24.7	24.1	23.6
125°	26.4	26.4	26.4	28.6	32.0	32.5	29.7	24.7	21.9	21.3	21.3
127.5°	23.0	23.0	23.0	24.1	26.4	26.9	24.7	20.8	19.1	18.5	18.5
130°	20.2	20.2	20.2	20.8	21.9	22.4	20.2	18.0	16.8	16.8	16.8
132.5°	18.0	18.0	17.4	17.4	18.0	18.0	16.8	15.1	14.6	14.6	14.6
135°	15.7	15.7	15.1	14.6	14.6	14.0	12.9	12.3	12.9	12.9	12.9
137.5°	13.5	13.5	12.9	12.3	11.8	11.2	10.7	10.1	10.7	11.2	11.2
140°	11.2	11.2	10.7	9.5	9.0	8.4	7.9	8.4	9.0	9.5	9.5
142.5°	9.0	9.0	9.0	7.9	6.7	6.2	6.2	6.7	7.3	7.9	7.9
145°	7.3	7.3	6.7	6.2	5.0	4.5	4.5	5.0	6.2	6.2	6.2
147.5°	5.6	5.6	5.0	4.5	3.4	2.8	3.4	3.9	4.5	5.0	5.0
150°	3.9	3.9	3.9	3.4	2.2	2.2	2.2	2.8	3.4	3.4	3.4
152.5°	2.2	2.2	2.2	2.2	1.7	1.1	1.7	2.2	2.2	2.2	2.2
155°	1.7	1.7	1.7	1.7	1.1	1.1	1.1	1.7	1.7	1.7	1.7
157.5°	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
160°	0.0	0.0	0.6	0.6	1.1	1.1	1.1	1.1	0.6	0.6	0.6
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)