

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: P416788

Luminaire Tested: **LXF.LXT-PA1-80-750-U-5WQ-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416788  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-750-U-5WQ-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9175 lumens  
Efficiency: N/A  
Efficacy: 110.5 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): 83  
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

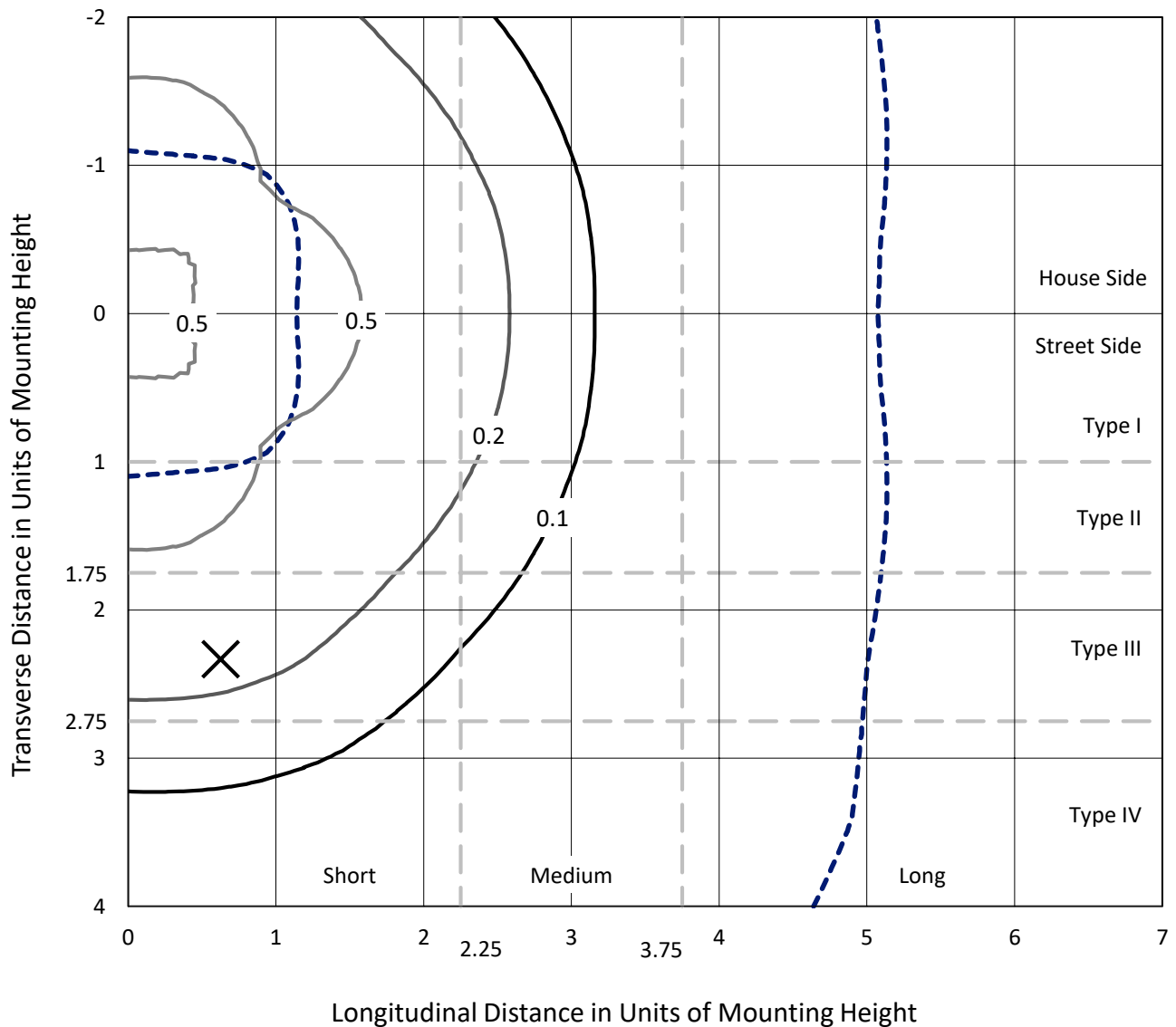


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

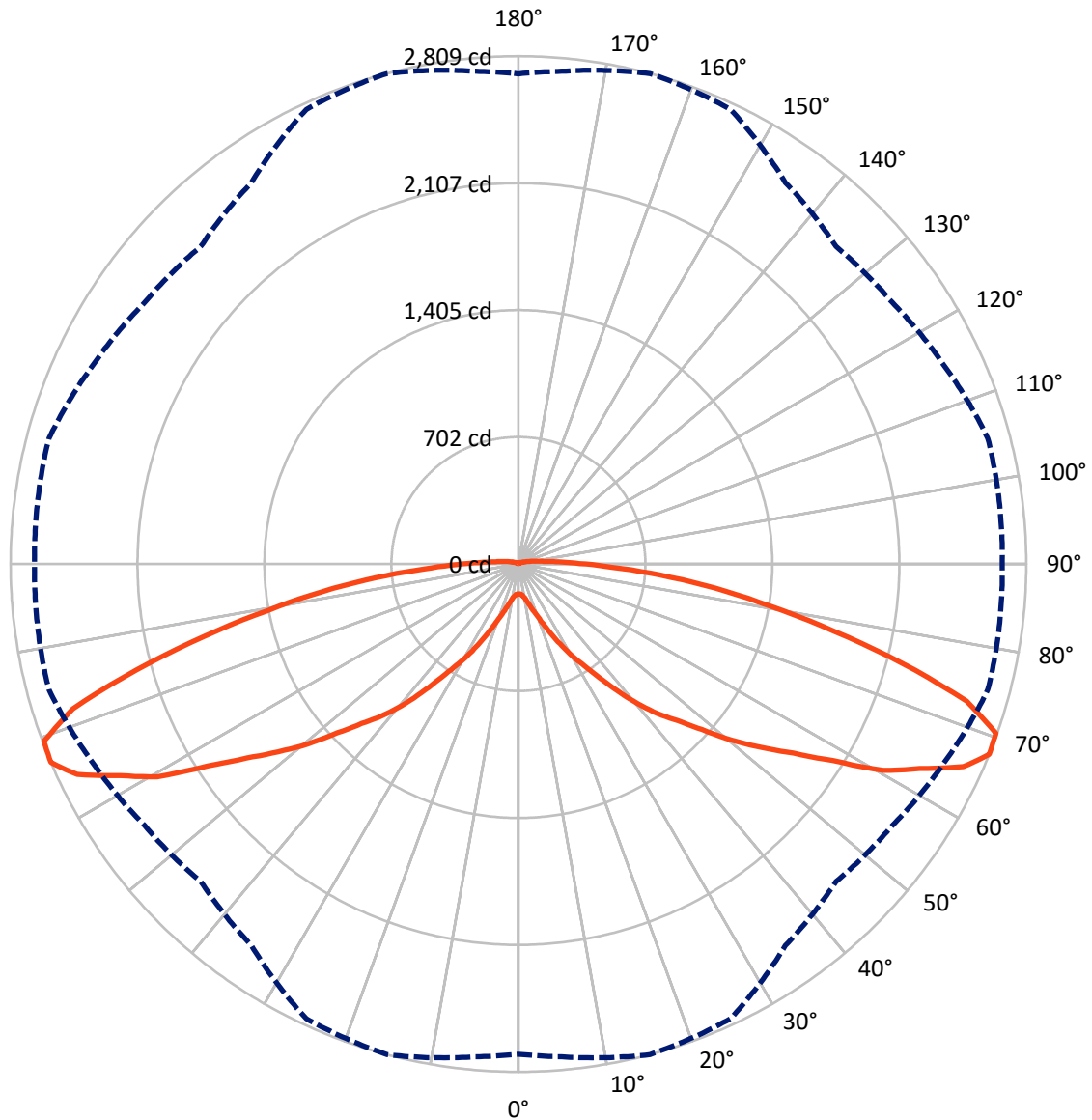


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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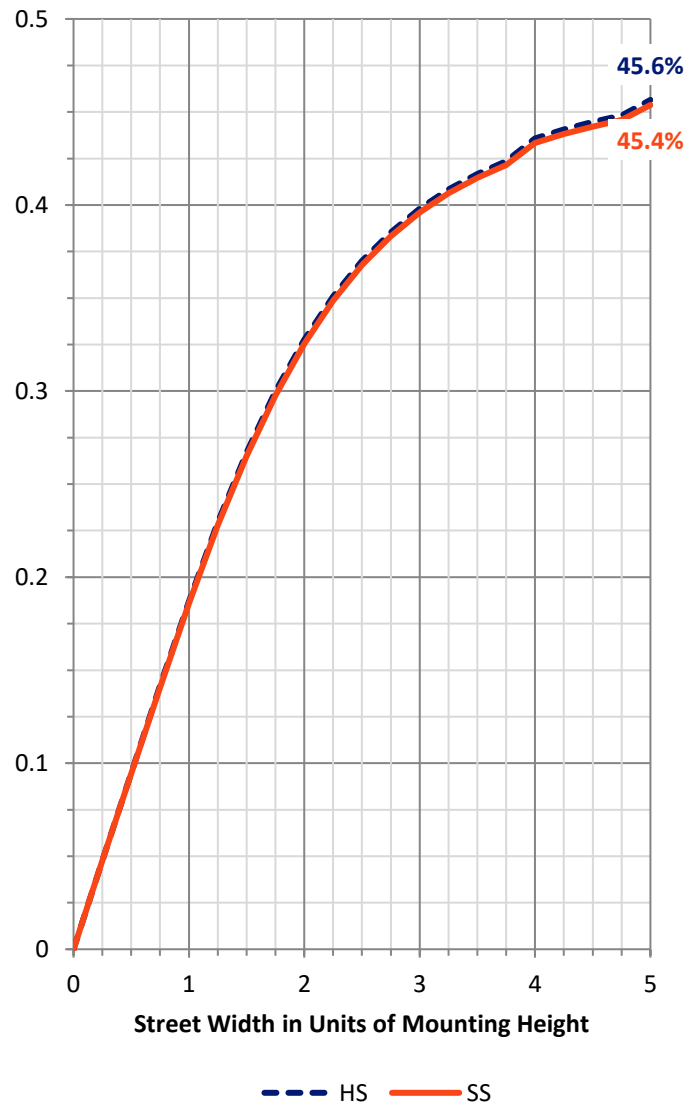
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4406.4	181.0	4587.5
	% Fixture	48.0	2.0	50.0
<b>Street Side</b>	Lumens	4406.4	181.0	4587.5
	% Fixture	48.0	2.0	50.0
<b>Total</b>	Lumens	8812.9	362.1	9175.0
	% Fixture	96.1	3.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.7	0.2
10°-20°	68.5	0.7
20°-30°	197.5	2.2
30°-40°	465.1	5.1
40°-50°	876.8	9.6
50°-60°	1563.9	17.0
60°-70°	2472.4	26.9
70°-80°	2178.3	23.7
80°-90°	973.6	10.6
90°-100°	241.8	2.6
100°-110°	66.6	0.7
110°-120°	26.7	0.3
120°-130°	14.2	0.2
130°-140°	8.3	0.1
140°-150°	3.5	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8812.9	96.1
0°-180°	9175.0	100.0

**Coefficient of Utilization**



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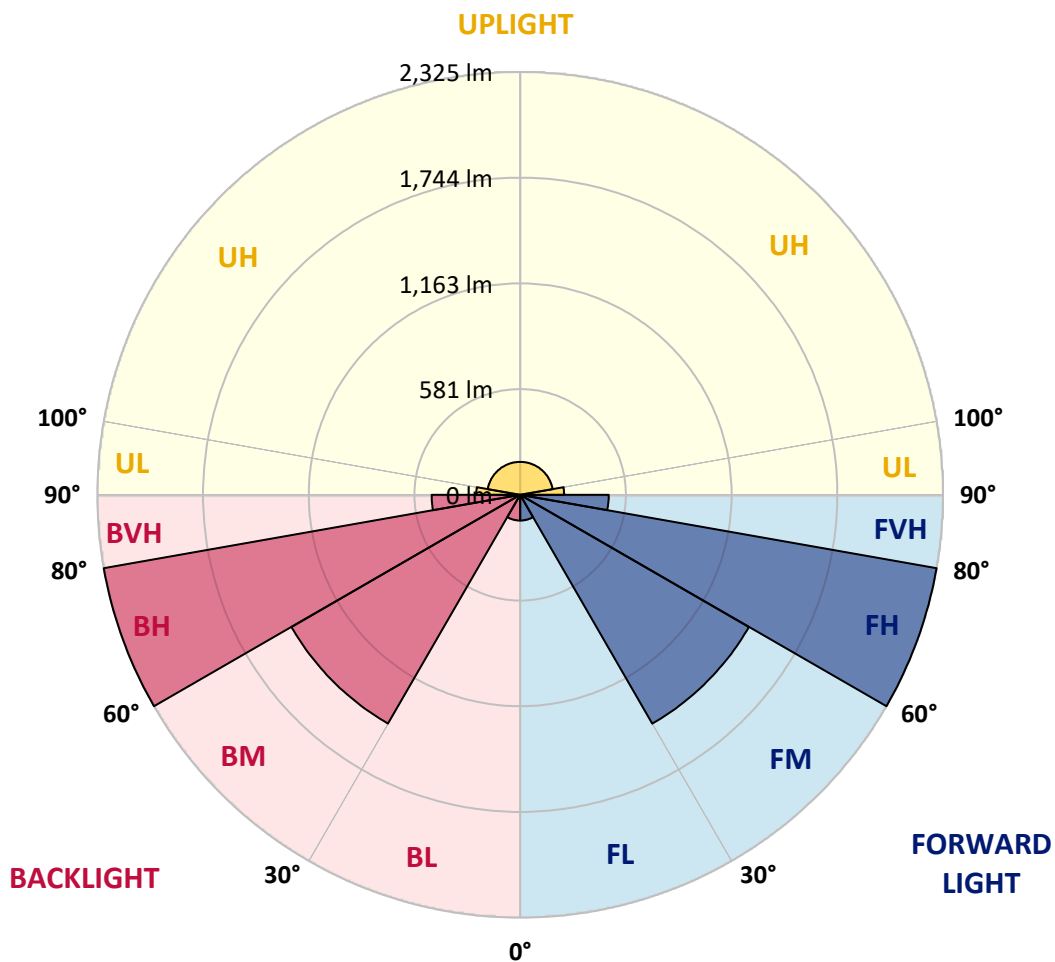
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	141.4	1.5			
FM	(30°-60°)	1452.9	15.8			
FH	(60°-80°)	2325.3	25.3			G2/5000
FVH	(80°-90°)	486.8	5.3			G3/500
BL	(0°-30°)	141.4	1.5	B1/500		
BM	(30°-60°)	1452.9	15.8	B2/2500		
BH	(60°-80°)	2325.3	25.3	B3/2500		G2/5000
BVH	(80°-90°)	486.8	5.3			G3/500
UL	(90°-100°)	241.8	2.6		U3/500	
UH	(100°-180°)	181.0	2.0		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°	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0
2.5°	165.0	165.0	166.0	166.0	167.0	168.0	167.0	166.0	165.0	164.0	164.0
5°	170.0	170.0	170.0	170.0	171.0	171.0	170.0	168.0	167.0	166.0	166.0
7.5°	178.0	178.0	178.0	178.0	178.0	177.0	175.0	173.0	172.0	171.0	171.0
10°	191.0	191.0	189.0	189.0	188.0	187.0	185.0	183.0	181.0	182.0	182.0
12.5°	213.0	214.0	211.0	206.0	202.0	200.0	199.0	199.0	202.0	202.0	203.0
15°	245.0	245.0	240.0	233.0	225.0	219.0	221.0	226.0	231.0	234.0	234.0
17.5°	280.0	280.0	275.0	266.0	255.0	252.0	251.0	256.0	267.0	271.0	272.0
20°	324.0	324.0	315.0	302.0	292.0	288.0	288.0	296.0	308.0	317.0	316.0
22.5°	384.0	383.0	370.0	348.0	335.0	329.0	328.0	339.0	360.0	374.0	378.0
25°	456.0	455.0	438.0	409.0	389.0	373.0	377.0	396.0	428.0	450.0	450.0
27.5°	538.0	534.0	512.0	480.0	450.0	429.0	435.0	462.0	502.0	532.0	533.0
30°	618.0	618.0	594.0	556.0	516.0	490.0	497.0	535.0	583.0	630.0	631.0
32.5°	703.0	702.0	672.0	634.0	585.0	556.0	567.0	614.0	682.0	736.0	746.0
35°	812.0	813.0	771.0	719.0	657.0	625.0	640.0	701.0	782.0	847.0	853.0
37.5°	929.0	935.0	889.0	822.0	739.0	700.0	722.0	793.0	887.0	955.0	955.0
40°	1055.0	1058.0	1016.0	931.0	831.0	780.0	809.0	885.0	957.0	1015.0	1018.0
42.5°	1162.0	1165.0	1132.0	1049.0	937.0	876.0	893.0	951.0	1019.0	1084.0	1090.0
45°	1246.0	1256.1	1236.0	1165.0	1051.0	977.0	975.0	1034.0	1116.0	1184.0	1192.0
47.5°	1398.1	1403.1	1368.1	1284.1	1168.0	1087.0	1079.0	1138.0	1245.0	1318.1	1323.1
50°	1532.1	1547.1	1534.1	1444.1	1306.1	1208.0	1209.0	1287.1	1403.1	1477.1	1484.1
52.5°	1683.1	1690.1	1686.1	1609.1	1475.1	1359.1	1372.1	1460.1	1585.1	1631.1	1639.1
55°	1821.1	1832.1	1846.1	1789.1	1656.1	1554.1	1566.1	1660.1	1744.1	1788.1	1792.1
57.5°	2040.1	2051.1	2050.1	1966.1	1852.1	1753.1	1773.1	1847.1	1957.1	2032.1	2045.1
60°	2278.1	2294.1	2319.1	2210.1	2039.1	1970.1	1995.1	2102.1	2227.1	2238.1	2252.1
62.5°	2437.1	2445.1	2492.1	2456.1	2257.1	2174.1	2240.1	2331.1	2396.1	2406.1	2402.1
65°	2645.1	2671.1	2704.1	2621.1	2461.1	2347.1	2423.1	2491.1	2608.1	2618.1	2616.1
67.5°	2711.1	2736.1	2809.1	2775.1	2575.1	2484.1	2523.1	2598.1	2688.1	2680.1	2676.1
70°	2716.1	2740.1	2802.1	2784.1	2601.1	2475.1	2515.1	2544.1	2627.1	2628.1	2617.1
72.5°	2444.1	2486.1	2592.1	2624.1	2464.1	2335.1	2338.1	2337.1	2343.1	2277.1	2251.1
75°	2059.1	2089.1	2193.1	2270.1	2188.1	2077.1	2075.1	1991.1	1973.1	1923.1	1905.1
77.5°	1649.1	1686.1	1786.1	1870.1	1841.1	1781.1	1750.1	1655.1	1629.1	1572.1	1579.1
80°	1282.1	1311.1	1410.1	1519.1	1527.1	1485.1	1451.1	1373.1	1322.1	1274.1	1253.1
82.5°	987.0	1012.0	1097.0	1215.0	1264.1	1259.1	1211.0	1123.0	1077.0	1031.0	1004.0
85°	682.0	704.0	788.0	931.0	1019.0	1050.0	996.0	885.0	803.0	738.0	723.0
87.5°	440.0	450.0	517.0	641.0	773.0	846.0	789.0	650.0	547.0	495.0	478.0
90°	275.0	290.0	338.0	415.0	544.0	637.0	579.0	438.0	364.0	311.0	300.0
92.5°	191.0	189.0	222.0	276.0	371.0	447.0	397.0	290.0	230.0	195.0	188.0
95°	126.0	131.0	149.0	183.0	251.0	298.0	262.0	193.0	151.0	126.0	123.0
97.5°	94.0	95.0	109.0	130.0	171.0	196.0	174.0	134.0	107.0	91.0	90.0
100°	74.0	75.0	85.0	97.0	120.0	136.0	122.0	101.0	83.0	71.0	71.0
102.5°	58.0	59.0	66.0	76.0	91.0	101.0	93.0	78.0	65.0	56.0	55.0
105°	46.0	46.0	52.0	60.0	71.0	78.0	73.0	61.0	50.0	44.0	44.0
107.5°	36.0	37.0	41.0	47.0	57.0	64.0	58.0	47.0	39.0	34.0	34.0
110°	29.0	29.0	32.0	38.0	46.0	52.0	47.0	38.0	31.0	28.0	28.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	24.0	24.0	26.0	31.0	38.0	43.0	38.0	31.0	25.0	23.0	23.0
115°	20.0	20.0	22.0	25.0	32.0	35.0	32.0	25.0	21.0	19.0	19.0
117.5°	18.0	18.0	19.0	22.0	27.0	29.0	27.0	21.0	18.0	17.0	17.0
120°	16.0	16.0	17.0	19.0	23.0	25.0	23.0	19.0	16.0	15.0	15.0
122.5°	15.0	15.0	15.0	17.0	21.0	22.0	20.0	17.0	14.0	14.0	14.0
125°	14.0	14.0	14.0	15.0	18.0	19.0	18.0	15.0	13.0	13.0	13.0
127.5°	13.0	13.0	13.0	14.0	16.0	17.0	16.0	14.0	12.0	12.0	12.0
130°	13.0	13.0	12.0	13.0	14.0	15.0	14.0	13.0	12.0	11.0	12.0
132.5°	12.0	12.0	12.0	12.0	13.0	13.0	13.0	12.0	11.0	11.0	11.0
135°	11.0	11.0	10.0	10.0	11.0	12.0	11.0	10.0	10.0	10.0	10.0
137.5°	10.0	9.0	9.0	9.0	10.0	10.0	10.0	9.0	9.0	9.0	9.0
140°	8.0	8.0	8.0	8.0	8.0	9.0	8.0	7.0	7.0	8.0	8.0
142.5°	7.0	7.0	7.0	6.0	7.0	7.0	7.0	6.0	6.0	6.0	6.0
145°	6.0	6.0	6.0	5.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0
147.5°	4.0	5.0	4.0	4.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0
150°	3.0	3.0	3.0	3.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0
152.5°	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0
155°	2.0	2.0	2.0	2.0	3.0	3.0	2.0	2.0	2.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	2.0	3.0	2.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	1.0	2.0	3.0	2.0	1.0	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)