

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: P415697

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415697  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-11)  
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-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5297 lumens  
Efficiency: N/A  
Efficacy: 98.1 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 - G2

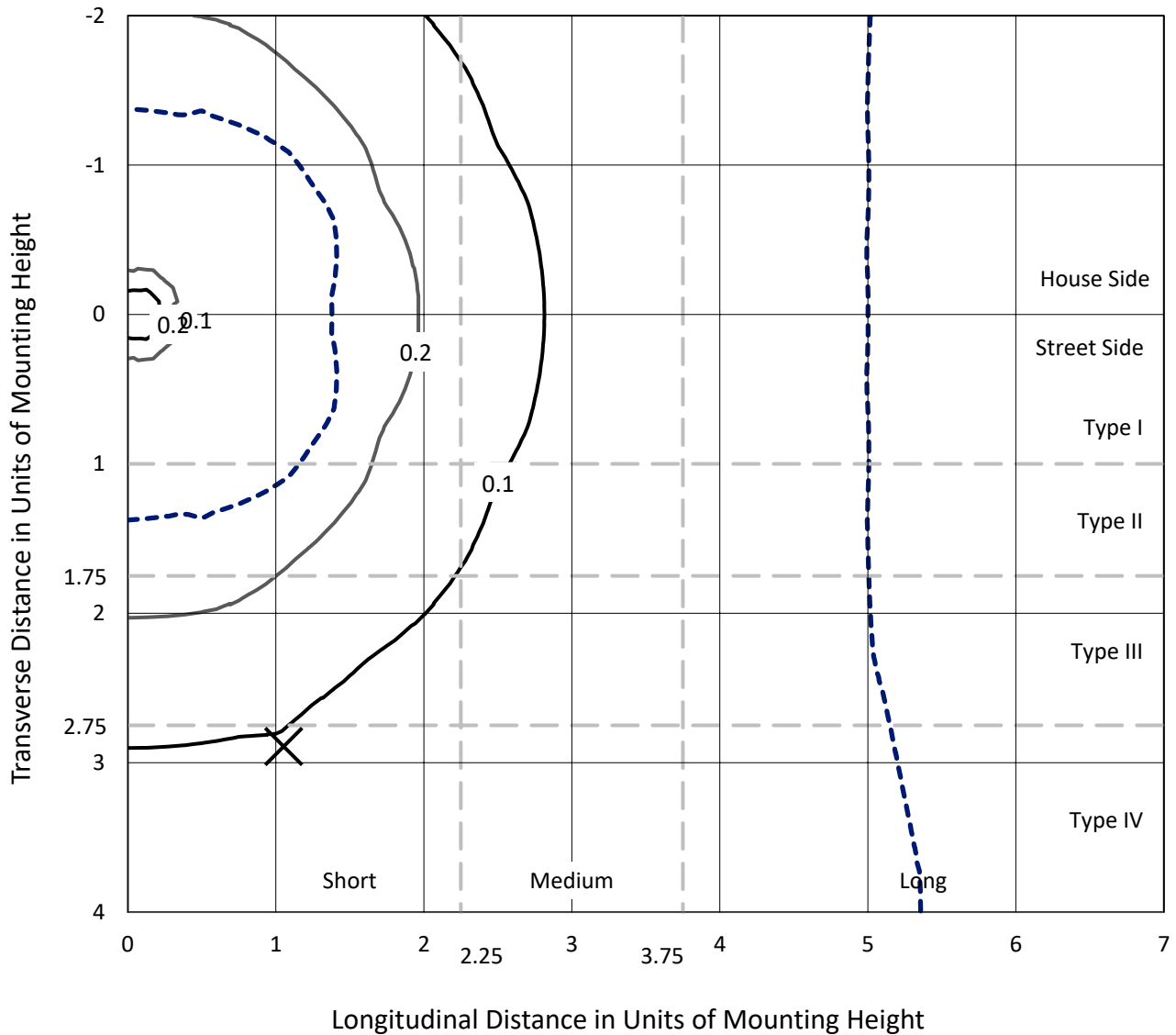
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

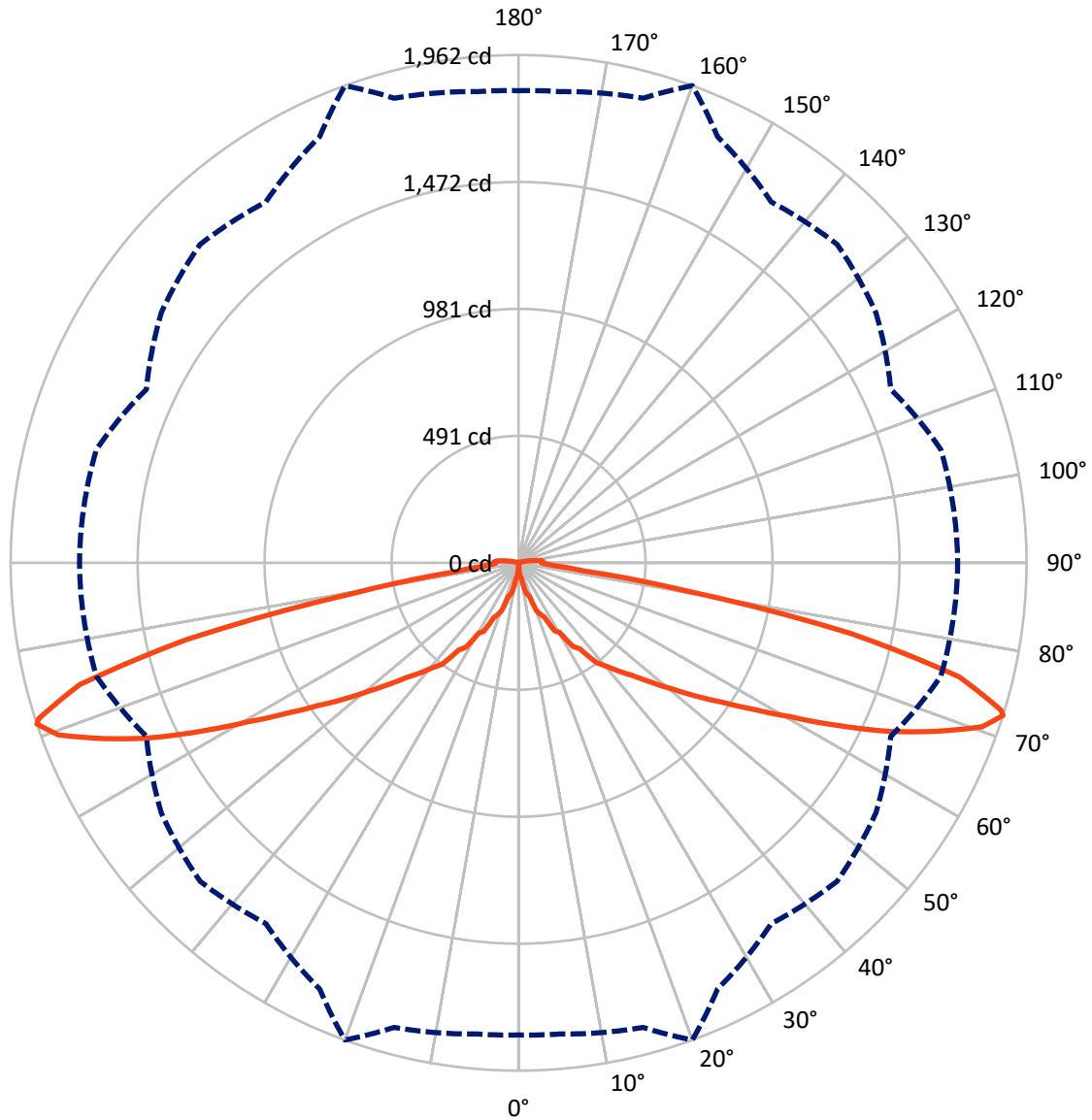
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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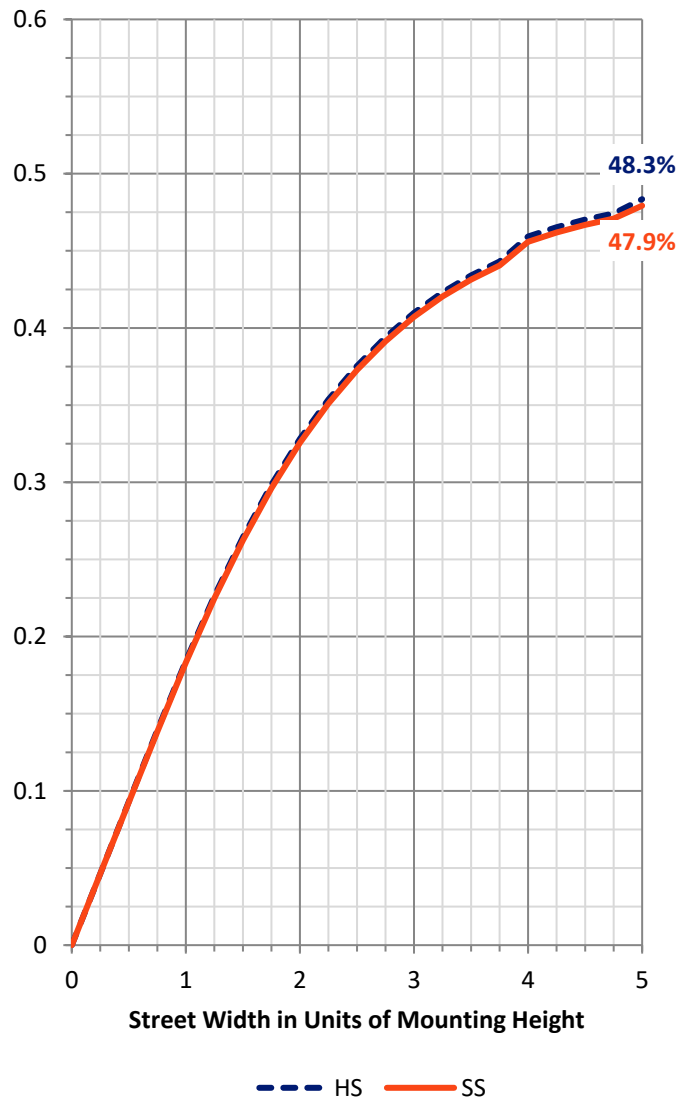
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2587.0	61.5	2648.5
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	2587.0	61.5	2648.5
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	5173.9	123.1	5297.0
	% Fixture	97.7	2.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.0	0.0
10°-20°	29.0	0.5
20°-30°	114.8	2.2
30°-40°	265.7	5.0
40°-50°	483.6	9.1
50°-60°	857.4	16.2
60°-70°	1450.4	27.4
70°-80°	1611.6	30.4
80°-90°	359.3	6.8
90°-100°	100.0	1.9
100°-110°	14.7	0.3
110°-120°	3.4	0.1
120°-130°	2.1	0.0
130°-140°	1.3	0.0
140°-150°	1.1	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5173.9	97.7
0°-180°	5297.0	100.0

**Coefficient of Utilization**



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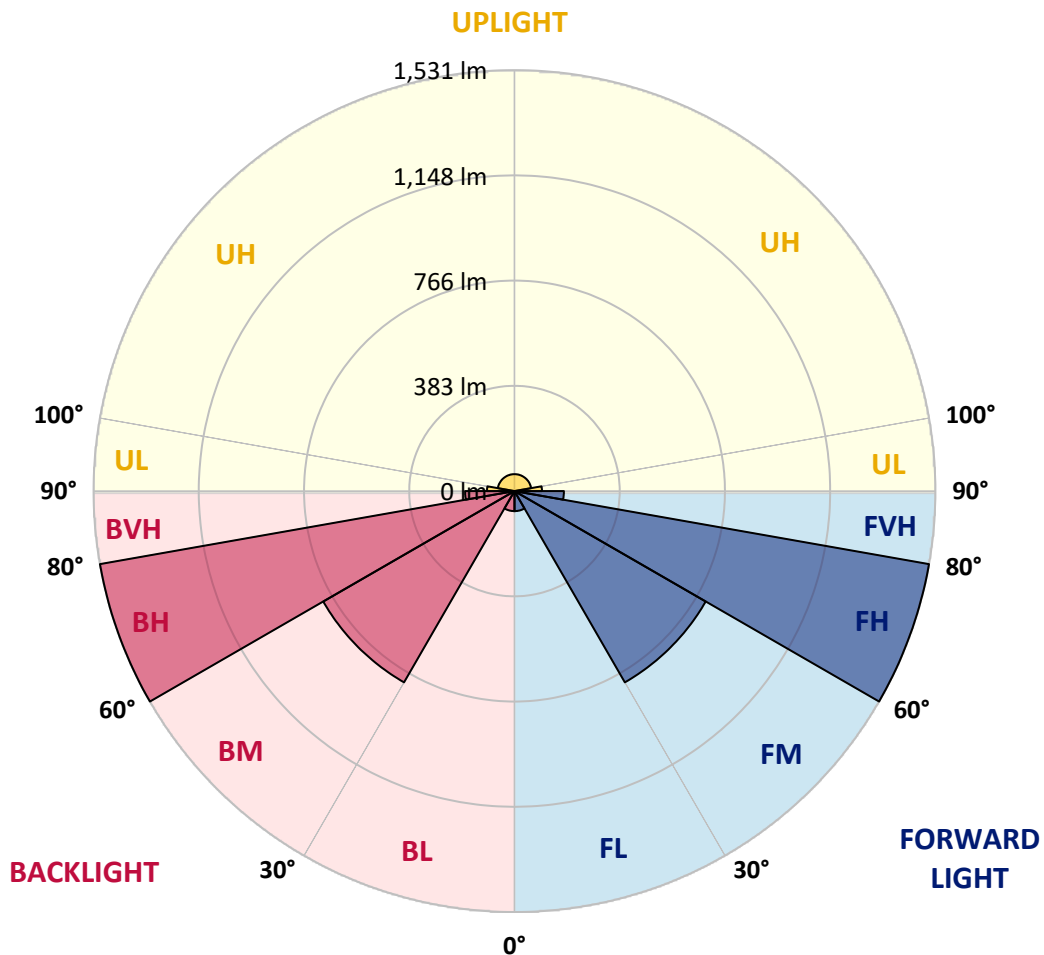
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	72.9	1.4			
FM (30°-60°)	803.4	15.2			
FH (60°-80°)	1531.0	28.9			G1/1800
FVH (80°-90°)	179.7	3.4			G2/225
BL (0°-30°)	72.9	1.4	B0/110		
BM (30°-60°)	803.4	15.2	B1/1000		
BH (60°-80°)	1531.0	28.9	B3/2500		G1/1800
BVH (80°-90°)	179.7	3.4			G2/225
UL (90°-100°)	100.0	1.9		U3/500	
UH (100°-180°)	61.5	1.2		U3/500	

**BUG Rating: B3-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.8	2.8	2.8	3.4	2.2	2.8	2.2	2.2	2.2	2.2	2.2
5°	24.7	24.1	22.4	41.5	19.6	10.1	5.6	3.4	2.2	2.2	2.2
7.5°	52.7	52.2	50.5	55.6	42.1	32.0	25.3	16.8	4.5	2.8	2.8
10°	63.4	62.8	60.6	61.2	58.9	57.2	47.1	28.6	12.9	4.5	4.5
12.5°	94.8	94.3	90.3	110.0	76.3	63.4	58.9	49.9	28.1	22.4	43.8
15°	129.6	129.6	124.0	126.8	104.9	92.6	68.5	85.9	94.3	89.8	96.0
17.5°	144.2	143.7	138.0	136.9	131.3	120.6	118.4	124.6	121.2	107.7	108.3
20°	183.5	182.9	175.6	197.0	162.7	136.9	170.6	149.3	137.5	156.6	181.8
22.5°	220.5	220.0	214.4	215.5	197.0	201.5	186.3	172.8	204.3	211.6	218.3
25°	261.5	259.8	237.9	233.4	217.7	238.5	213.8	248.6	227.3	237.4	255.3
27.5°	306.9	304.7	294.0	297.4	267.1	258.1	272.7	265.4	279.5	323.2	332.8
30°	336.1	323.2	313.7	312.0	318.2	289.0	300.2	307.5	322.7	341.7	358.6
32.5°	404.0	401.2	364.7	384.4	347.9	344.5	321.0	345.7	345.7	419.7	470.2
35°	434.3	431.5	421.4	408.5	399.5	368.7	379.9	372.0	429.3	456.8	498.9
37.5°	539.3	536.5	483.2	489.9	435.5	418.1	406.3	436.6	459.0	487.6	536.5
40°	580.2	578.0	556.7	526.4	506.2	456.2	441.6	466.9	494.4	525.8	575.7
42.5°	629.0	627.4	602.1	574.1	553.9	511.2	495.5	497.7	531.4	578.0	626.8
45°	687.4	687.4	671.1	622.9	603.2	572.9	547.7	550.5	581.9	638.0	688.5
47.5°	754.2	753.1	743.5	689.7	674.5	628.5	608.3	617.3	641.4	703.7	757.0
50°	832.2	826.6	826.0	764.3	745.8	698.6	679.6	694.7	709.3	771.0	828.8
52.5°	912.4	914.1	914.7	854.1	835.6	795.1	767.7	783.9	783.9	849.0	912.4
55°	1007.8	1011.8	1008.9	948.9	951.7	907.9	870.3	890.5	883.3	945.5	1002.2
57.5°	1130.7	1129.6	1135.2	1066.2	1075.2	1039.8	997.2	1010.1	998.8	1049.9	1100.4
60°	1253.6	1253.6	1268.2	1208.2	1232.3	1179.0	1151.5	1158.2	1118.4	1161.0	1205.9
62.5°	1381.6	1382.7	1404.0	1383.8	1389.4	1332.7	1315.3	1304.7	1228.9	1284.5	1315.3
65°	1511.2	1512.9	1548.2	1570.1	1528.6	1476.9	1461.8	1436.0	1354.6	1433.2	1438.8
67.5°	1642.5	1649.8	1691.9	1738.4	1675.0	1579.1	1601.0	1554.4	1470.2	1545.4	1541.5
70°	1786.7	1791.8	1820.4	1898.4	1784.5	1661.0	1684.6	1650.3	1550.5	1644.2	1651.5
72°	1824.3	1827.7	1858.5	1962.3	1817.6	1702.0	1740.1	1685.1	1586.4	1689.1	1694.7
72.5°	1822.1	1827.1	1852.4	1950.0	1816.4	1709.3	1750.2	1689.1	1585.8	1686.3	1685.7
75°	1650.9	1662.7	1701.4	1758.1	1716.6	1694.7	1782.2	1665.5	1522.4	1578.0	1565.0
77.5°	1211.5	1220.5	1276.6	1312.5	1394.5	1541.5	1699.2	1529.7	1331.0	1305.8	1263.1
80°	594.3	590.9	703.7	652.6	889.4	1179.5	1410.2	1210.4	941.0	766.0	656.0
82.5°	200.9	212.7	258.7	249.2	395.6	680.7	954.5	747.5	436.0	296.8	245.2
85°	113.4	117.3	142.5	136.9	161.1	264.3	491.0	340.1	190.8	159.4	142.0
87.5°	99.9	101.6	100.4	98.8	106.6	148.1	148.7	153.8	116.7	108.3	108.9
90°	101.0	102.1	91.5	87.5	93.7	124.0	138.0	130.7	95.4	93.2	102.1
92.5°	109.4	110.5	99.3	95.4	100.4	127.4	142.0	134.7	96.5	99.3	108.9
95°	99.9	101.0	91.5	87.5	93.2	118.4	133.0	130.2	92.0	101.6	115.6
97.5°	64.0	64.5	64.0	64.0	73.5	89.8	93.7	88.7	61.2	62.3	63.4
100°	25.3	20.2	28.6	42.1	52.2	52.7	50.5	46.6	39.3	25.8	12.9
102.5°	8.4	8.4	19.6	27.5	30.9	24.7	19.6	19.6	23.0	16.3	8.4
105°	8.4	8.4	10.7	12.9	12.9	6.7	6.2	10.1	14.6	8.4	8.4
107.5°	7.9	8.4	5.6	5.1	4.5	4.5	4.5	4.5	5.6	6.2	8.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	6.7	6.7	4.5	4.5	3.9	3.4	4.5	3.9	4.5	5.1	6.7
112.5°	5.1	5.6	3.4	3.4	3.4	2.8	3.9	3.4	3.4	3.9	4.5
115°	5.1	5.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.4	4.5
117.5°	5.1	4.5	2.8	2.2	2.2	2.2	2.2	2.2	2.2	3.4	4.5
120°	5.1	4.5	2.8	2.2	1.7	1.7	1.7	1.7	2.2	2.8	4.5
122.5°	4.5	4.5	2.8	2.2	1.7	1.7	1.7	1.7	1.7	2.8	4.5
125°	4.5	4.5	2.8	2.2	1.7	1.7	1.1	1.7	1.7	2.8	3.9
127.5°	4.5	3.9	2.8	1.7	1.7	1.1	1.1	1.1	1.7	2.2	3.9
130°	3.9	3.9	2.8	1.7	1.1	1.1	1.1	1.1	1.1	2.2	3.4
132.5°	3.4	3.4	2.2	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.8
135°	2.8	2.8	2.2	1.7	1.1	1.7	1.1	1.1	1.1	1.1	2.2
137.5°	2.8	2.8	2.2	1.7	1.1	1.7	1.1	1.1	1.1	1.1	1.7
140°	2.8	2.8	2.2	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.7
142.5°	2.8	2.8	2.2	1.7	1.7	1.7	1.1	1.1	1.1	1.7	1.7
145°	2.8	2.8	2.8	2.2	1.7	1.7	1.1	1.1	1.7	1.7	2.2
147.5°	3.4	3.4	2.8	2.2	1.7	1.1	1.1	1.1	1.7	2.2	2.2
150°	2.8	2.8	2.2	1.7	1.7	1.1	0.6	0.6	1.1	2.2	2.2
152.5°	2.2	2.2	1.7	1.1	1.1	0.6	0.0	0.6	1.1	1.7	2.2
155°	1.7	1.1	1.1	0.6	0.6	0.0	0.0	0.0	0.6	1.1	1.7
157.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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





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**CANDELA DISTRIBUTION (continued):**

	90°
0°	2.2
2.5°	2.2
5°	2.2
7.5°	2.8
10°	4.5
12.5°	44.9
15°	96.5
17.5°	108.3
20°	196.4
22.5°	221.1
25°	260.9
27.5°	340.6
30°	361.9
32.5°	482.0
35°	507.8
37.5°	542.6
40°	580.2
42.5°	628.5
45°	688.5
47.5°	758.1
50°	827.1
52.5°	910.2
55°	1006.1
57.5°	1097.6
60°	1202.5
62.5°	1308.0
65°	1438.8
67.5°	1541.5
70°	1654.3
72°	1696.4
72.5°	1686.3
75°	1567.3
77.5°	1267.1
80°	643.6
82.5°	227.8
85°	139.7
87.5°	106.6
90°	100.4
92.5°	107.2
95°	113.9
97.5°	60.6
100°	9.0
102.5°	9.0
105°	9.0
107.5°	9.0



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**CANDELA DISTRIBUTION (continued):**

	90°
110°	7.3
112.5°	5.1
115°	5.1
117.5°	5.1
120°	5.1
122.5°	5.1
125°	4.5
127.5°	3.9
130°	3.4
132.5°	2.8
135°	2.2
137.5°	1.7
140°	1.7
142.5°	1.7
145°	2.2
147.5°	2.2
150°	2.2
152.5°	2.2
155°	1.7
157.5°	0.6
160°	0.6
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)