

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: P415801

Luminaire Tested: **LXF.LXT-PA1-60-727-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415801
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-PA1-60-727-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 6440 lumens
Efficiency: N/A
Efficacy: 100.6 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

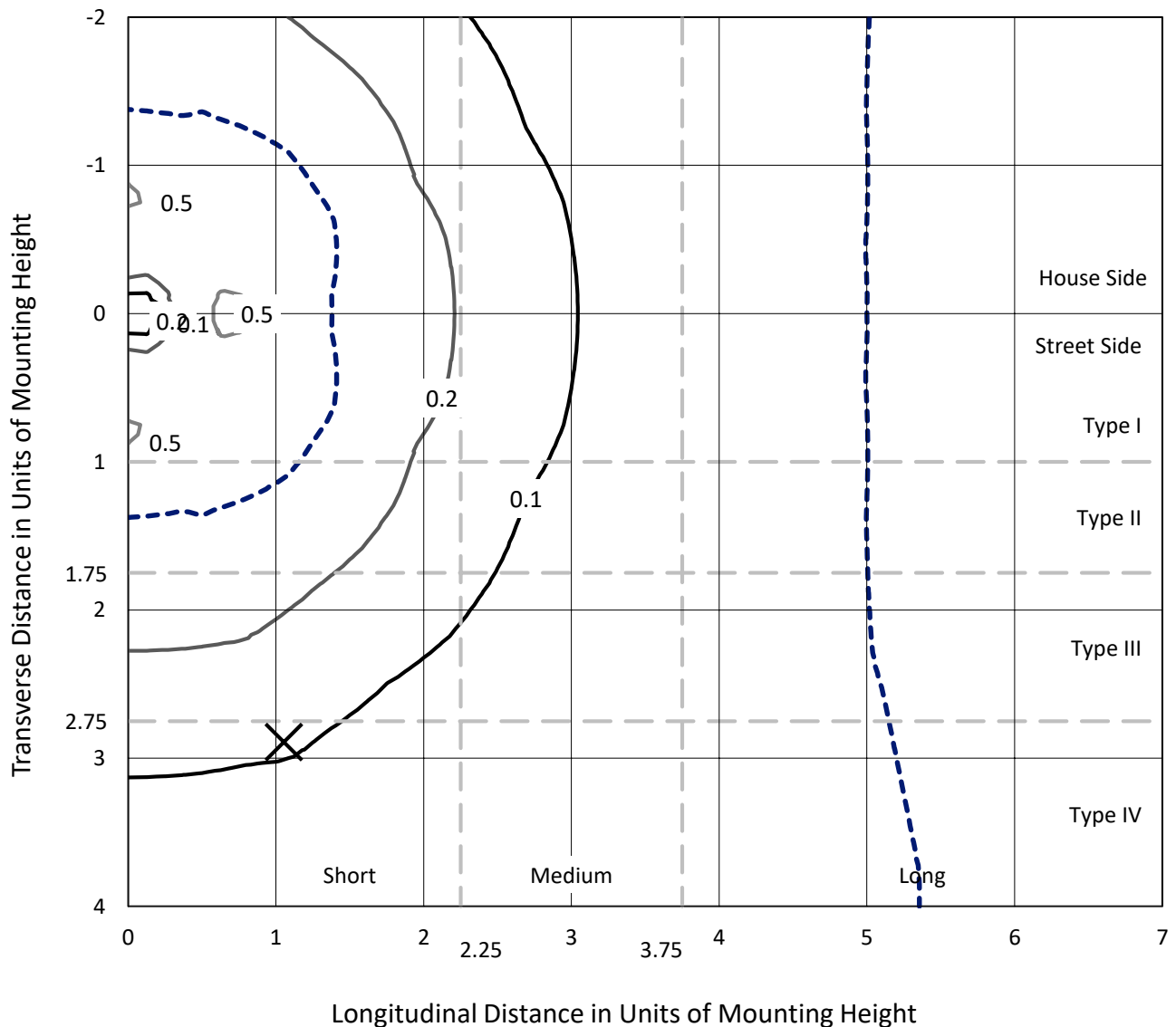
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

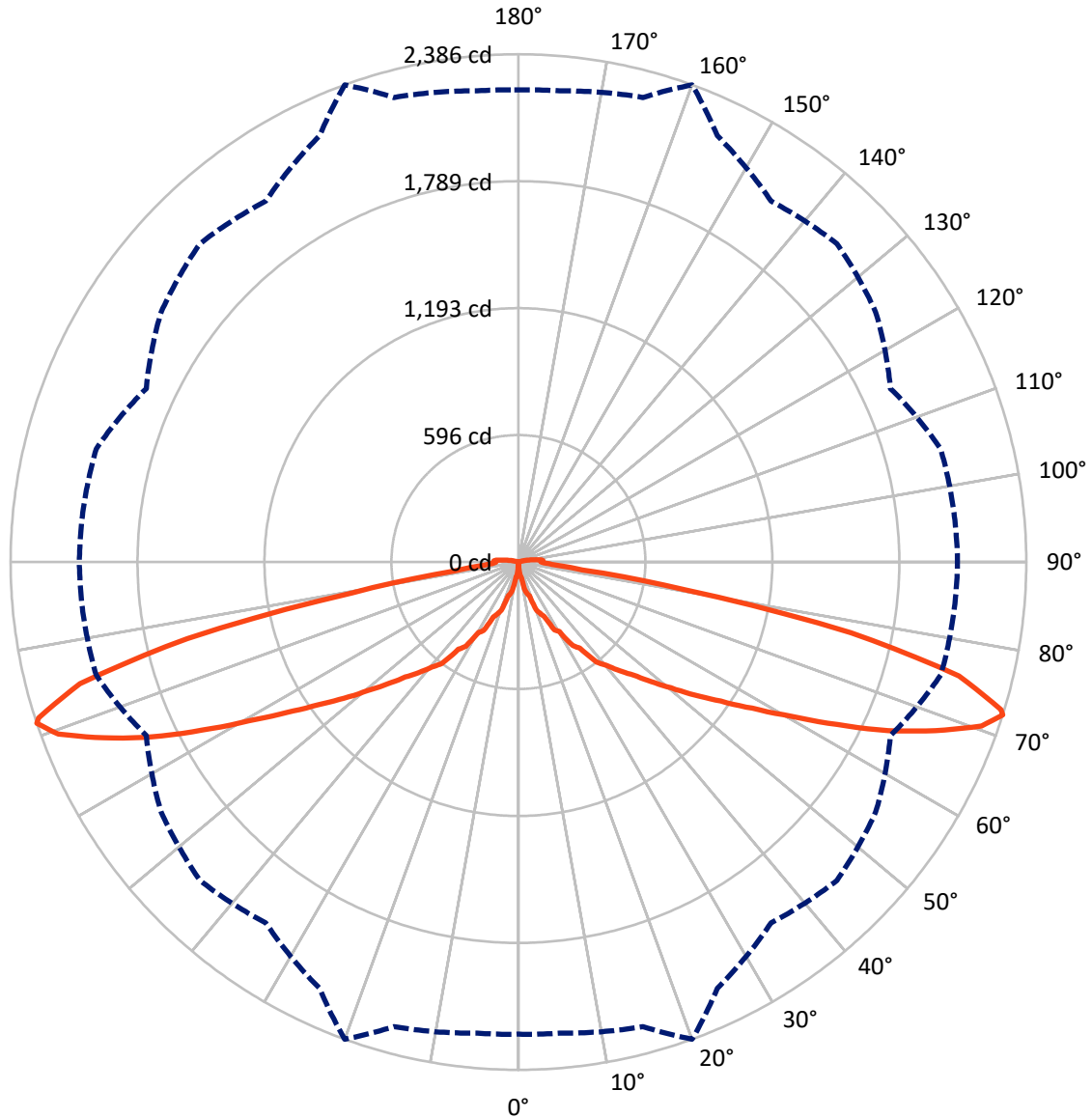
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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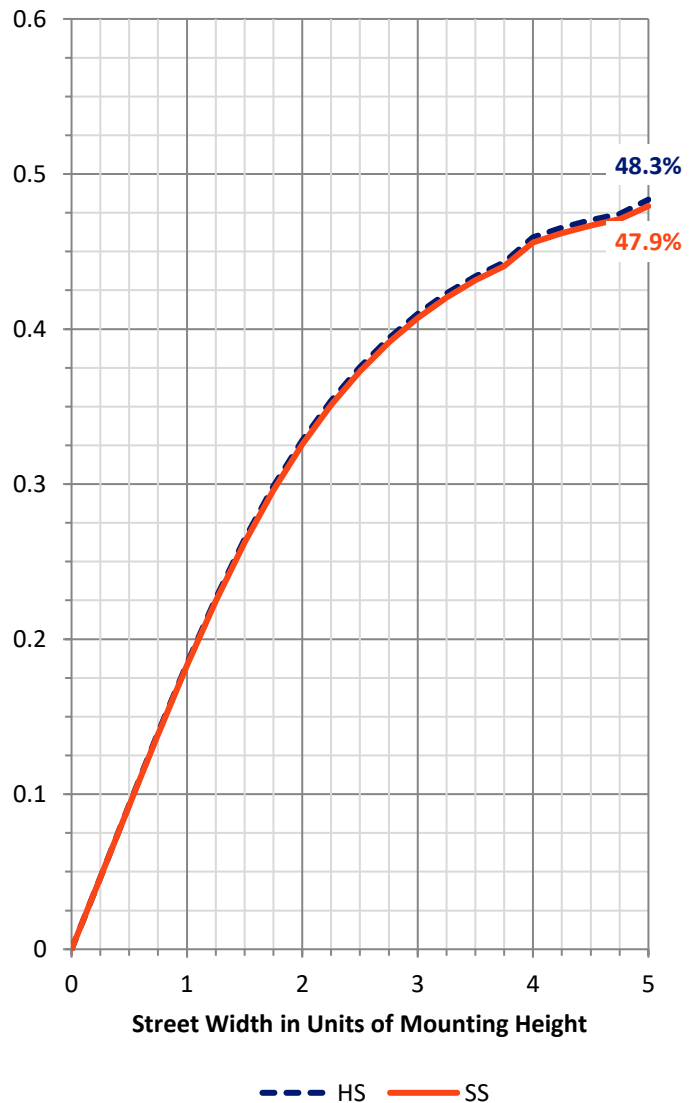
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3145.2	74.8	3220.0
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	3145.2	74.8	3220.0
	% Fixture	48.8	1.2	50.0
Total	Lumens	6290.4	149.7	6440.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.0
10°-20°	35.3	0.5
20°-30°	139.5	2.2
30°-40°	323.0	5.0
40°-50°	587.9	9.1
50°-60°	1042.5	16.2
60°-70°	1763.4	27.4
70°-80°	1959.4	30.4
80°-90°	436.8	6.8
90°-100°	121.6	1.9
100°-110°	17.9	0.3
110°-120°	4.2	0.1
120°-130°	2.6	0.0
130°-140°	1.6	0.0
140°-150°	1.3	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6290.4	97.7
0°-180°	6440.0	100.0



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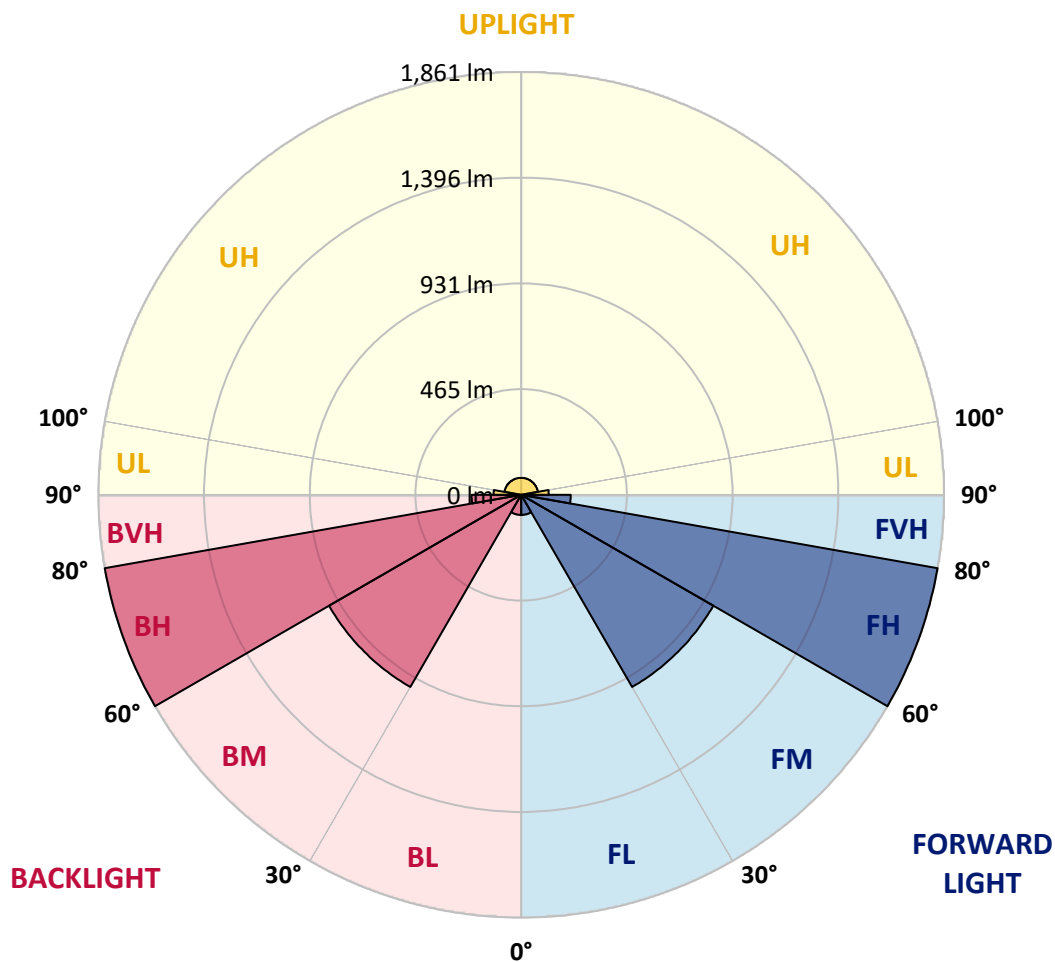
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.6	1.4			
FM (30°-60°)	976.7	15.2			
FH (60°-80°)	1861.4	28.9			G2/5000
FVH (80°-90°)	218.4	3.4			G2/225
BL (0°-30°)	88.6	1.4	B0/110		
BM (30°-60°)	976.7	15.2	B1/1000		
BH (60°-80°)	1861.4	28.9	B3/2500		G2/5000
BVH (80°-90°)	218.4	3.4			G2/225
UL (90°-100°)	121.6	1.9		U3/500	
UH (100°-180°)	74.8	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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	3.4	3.4	3.4	4.1	2.7	3.4	2.7	2.7	2.7	2.7	2.7
5°	30.0	29.3	27.3	50.5	23.9	12.3	6.8	4.1	2.7	2.7	2.7
7.5°	64.1	63.4	61.4	67.5	51.2	38.9	30.7	20.5	5.5	3.4	3.4
10°	77.1	76.4	73.7	74.4	71.6	69.6	57.3	34.8	15.7	5.5	5.5
12.5°	115.3	114.6	109.8	133.7	92.8	77.1	71.6	60.7	34.1	27.3	53.2
15°	157.6	157.6	150.8	154.2	127.6	112.6	83.2	104.4	114.6	109.2	116.7
17.5°	175.3	174.7	167.8	166.5	159.6	146.7	144.0	151.5	147.4	131.0	131.7
20°	223.1	222.4	213.5	239.5	197.8	166.5	207.4	181.5	167.1	190.3	221.0
22.5°	268.1	267.4	260.6	262.0	239.5	244.9	226.5	210.1	248.3	257.2	265.4
25°	317.9	315.9	289.3	283.8	264.7	290.0	259.9	302.2	276.3	288.6	310.4
27.5°	373.2	370.5	357.5	361.6	324.7	313.8	331.6	322.7	339.8	393.0	404.6
30°	408.7	393.0	381.4	379.3	386.8	351.4	365.0	373.9	392.3	415.5	435.9
32.5°	491.2	487.8	443.5	467.3	423.0	418.9	390.2	420.3	420.3	510.3	571.7
35°	528.1	524.6	512.4	496.7	485.8	448.2	461.9	452.3	521.9	555.3	606.5
37.5°	655.6	652.2	587.4	595.6	529.4	508.3	493.9	530.8	558.1	592.9	652.2
40°	705.4	702.7	676.8	639.9	615.4	554.7	536.9	567.6	601.1	639.3	700.0
42.5°	764.8	762.7	732.0	697.9	673.4	621.5	602.4	605.1	646.1	702.7	762.1
45°	835.7	835.7	816.0	757.3	733.4	696.6	665.9	669.3	707.5	775.7	837.1
47.5°	916.9	915.6	904.0	838.5	820.0	764.1	739.5	750.5	779.8	855.5	920.3
50°	1011.8	1004.9	1004.3	929.2	906.7	849.4	826.2	844.6	862.3	937.4	1007.7
52.5°	1109.3	1111.4	1112.0	1038.4	1015.9	966.7	933.3	953.1	953.1	1032.2	1109.3
55°	1225.3	1230.1	1226.7	1153.7	1157.1	1103.9	1058.1	1082.7	1073.8	1149.6	1218.5
57.5°	1374.7	1373.3	1380.2	1296.2	1307.2	1264.2	1212.3	1228.0	1214.4	1276.5	1337.9
60°	1524.1	1524.1	1541.9	1468.9	1498.2	1433.4	1399.9	1408.1	1359.7	1411.5	1466.1
62.5°	1679.7	1681.0	1707.0	1682.4	1689.2	1620.3	1599.2	1586.2	1494.1	1561.6	1599.2
65°	1837.3	1839.3	1882.3	1908.9	1858.4	1795.6	1777.2	1745.8	1646.9	1742.4	1749.3
67.5°	1996.9	2005.8	2056.9	2113.6	2036.5	1919.8	1946.4	1889.8	1787.5	1878.9	1874.1
70°	2172.2	2178.4	2213.2	2308.0	2169.5	2019.4	2048.1	2006.5	1885.0	1999.0	2007.8
72°	2218.0	2222.0	2259.6	2385.8	2209.8	2069.2	2115.6	2048.8	1928.7	2053.5	2060.4
72.5°	2215.2	2221.4	2252.1	2370.8	2208.4	2078.1	2127.9	2053.5	1928.0	2050.1	2049.4
75°	2007.1	2021.5	2068.5	2137.4	2087.0	2060.4	2166.8	2024.9	1850.9	1918.4	1902.8
77.5°	1472.9	1483.9	1552.1	1595.8	1695.4	1874.1	2065.8	1859.8	1618.3	1587.6	1535.7
80°	722.5	718.4	855.5	793.4	1081.3	1434.1	1714.5	1471.6	1144.1	931.3	797.5
82.5°	244.2	258.6	314.5	302.9	481.0	827.6	1160.5	908.7	530.1	360.9	298.1
85°	137.8	142.6	173.3	166.5	195.8	321.3	597.0	413.4	232.0	193.8	172.6
87.5°	121.4	123.5	122.1	120.1	129.6	180.1	180.8	186.9	141.9	131.7	132.4
90°	122.8	124.2	111.2	106.4	113.9	150.8	167.8	159.0	116.0	113.3	124.2
92.5°	133.0	134.4	120.8	116.0	122.1	154.9	172.6	163.7	117.3	120.8	132.4
95°	121.4	122.8	111.2	106.4	113.3	144.0	161.7	158.3	111.9	123.5	140.5
97.5°	77.8	78.5	77.8	77.8	89.4	109.2	113.9	107.8	74.4	75.7	77.1
100°	30.7	24.6	34.8	51.2	63.4	64.1	61.4	56.6	47.8	31.4	15.7
102.5°	10.2	10.2	23.9	33.4	37.5	30.0	23.9	23.9	28.0	19.8	10.2
105°	10.2	10.2	13.0	15.7	15.7	8.2	7.5	12.3	17.7	10.2	10.2
107.5°	9.6	10.2	6.8	6.1	5.5	5.5	5.5	5.5	6.8	7.5	10.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	8.2	8.2	5.5	5.5	4.8	4.1	5.5	4.8	5.5	6.1	8.2
112.5°	6.1	6.8	4.1	4.1	4.1	3.4	4.8	4.1	4.1	4.8	5.5
115°	6.1	6.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.1	5.5
117.5°	6.1	5.5	3.4	2.7	2.7	2.7	2.7	2.7	2.7	4.1	5.5
120°	6.1	5.5	3.4	2.7	2.0	2.0	2.0	2.0	2.7	3.4	5.5
122.5°	5.5	5.5	3.4	2.7	2.0	2.0	2.0	2.0	2.0	3.4	5.5
125°	5.5	5.5	3.4	2.7	2.0	2.0	1.4	2.0	2.0	3.4	4.8
127.5°	5.5	4.8	3.4	2.0	2.0	1.4	1.4	1.4	2.0	2.7	4.8
130°	4.8	4.8	3.4	2.0	1.4	1.4	1.4	1.4	1.4	2.7	4.1
132.5°	4.1	4.1	2.7	2.0	1.4	1.4	1.4	1.4	1.4	2.0	3.4
135°	3.4	3.4	2.7	2.0	1.4	2.0	1.4	1.4	1.4	1.4	2.7
137.5°	3.4	3.4	2.7	2.0	1.4	2.0	1.4	1.4	1.4	1.4	2.0
140°	3.4	3.4	2.7	2.0	2.0	2.0	1.4	1.4	1.4	1.4	2.0
142.5°	3.4	3.4	2.7	2.0	2.0	2.0	1.4	1.4	1.4	2.0	2.0
145°	3.4	3.4	3.4	2.7	2.0	2.0	1.4	1.4	2.0	2.0	2.7
147.5°	4.1	4.1	3.4	2.7	2.0	1.4	1.4	1.4	2.0	2.7	2.7
150°	3.4	3.4	2.7	2.0	2.0	1.4	0.7	0.7	1.4	2.7	2.7
152.5°	2.7	2.7	2.0	1.4	1.4	0.7	0.0	0.7	1.4	2.0	2.7
155°	2.0	1.4	1.4	0.7	0.7	0.0	0.0	0.0	0.7	1.4	2.0
157.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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°	2.7
2.5°	2.7
5°	2.7
7.5°	3.4
10°	5.5
12.5°	54.6
15°	117.3
17.5°	131.7
20°	238.8
22.5°	268.8
25°	317.2
27.5°	414.1
30°	440.0
32.5°	586.0
35°	617.4
37.5°	659.7
40°	705.4
42.5°	764.1
45°	837.1
47.5°	921.7
50°	1005.6
52.5°	1106.6
55°	1223.3
57.5°	1334.5
60°	1462.0
62.5°	1590.3
65°	1749.3
67.5°	1874.1
70°	2011.2
72°	2062.4
72.5°	2050.1
75°	1905.5
77.5°	1540.5
80°	782.5
82.5°	277.0
85°	169.9
87.5°	129.6
90°	122.1
92.5°	130.3
95°	138.5
97.5°	73.7
100°	10.9
102.5°	10.9
105°	10.9
107.5°	10.9



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CANDELA DISTRIBUTION (continued):

	90°
110°	8.9
112.5°	6.1
115°	6.1
117.5°	6.1
120°	6.1
122.5°	6.1
125°	5.5
127.5°	4.8
130°	4.1
132.5°	3.4
135°	2.7
137.5°	2.0
140°	2.0
142.5°	2.0
145°	2.7
147.5°	2.7
150°	2.7
152.5°	2.7
155°	2.0
157.5°	0.7
160°	0.7
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)