

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: P416477

Luminaire Tested: **LXF.LXT-PA1-70-827-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416477
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-PA1-70-827-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA 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: 6349 lumens
Efficiency: N/A
Efficacy: 85.8 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

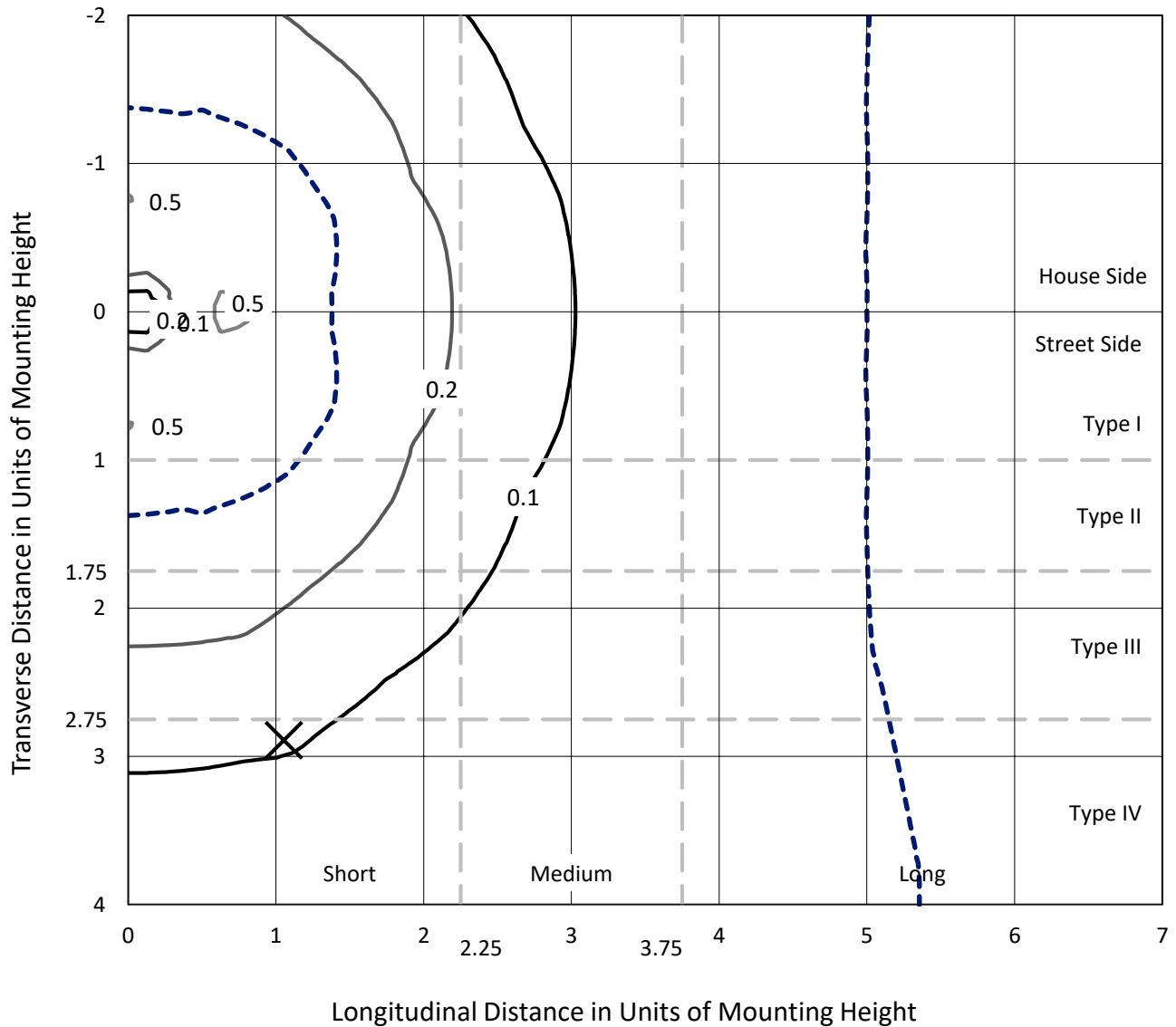
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

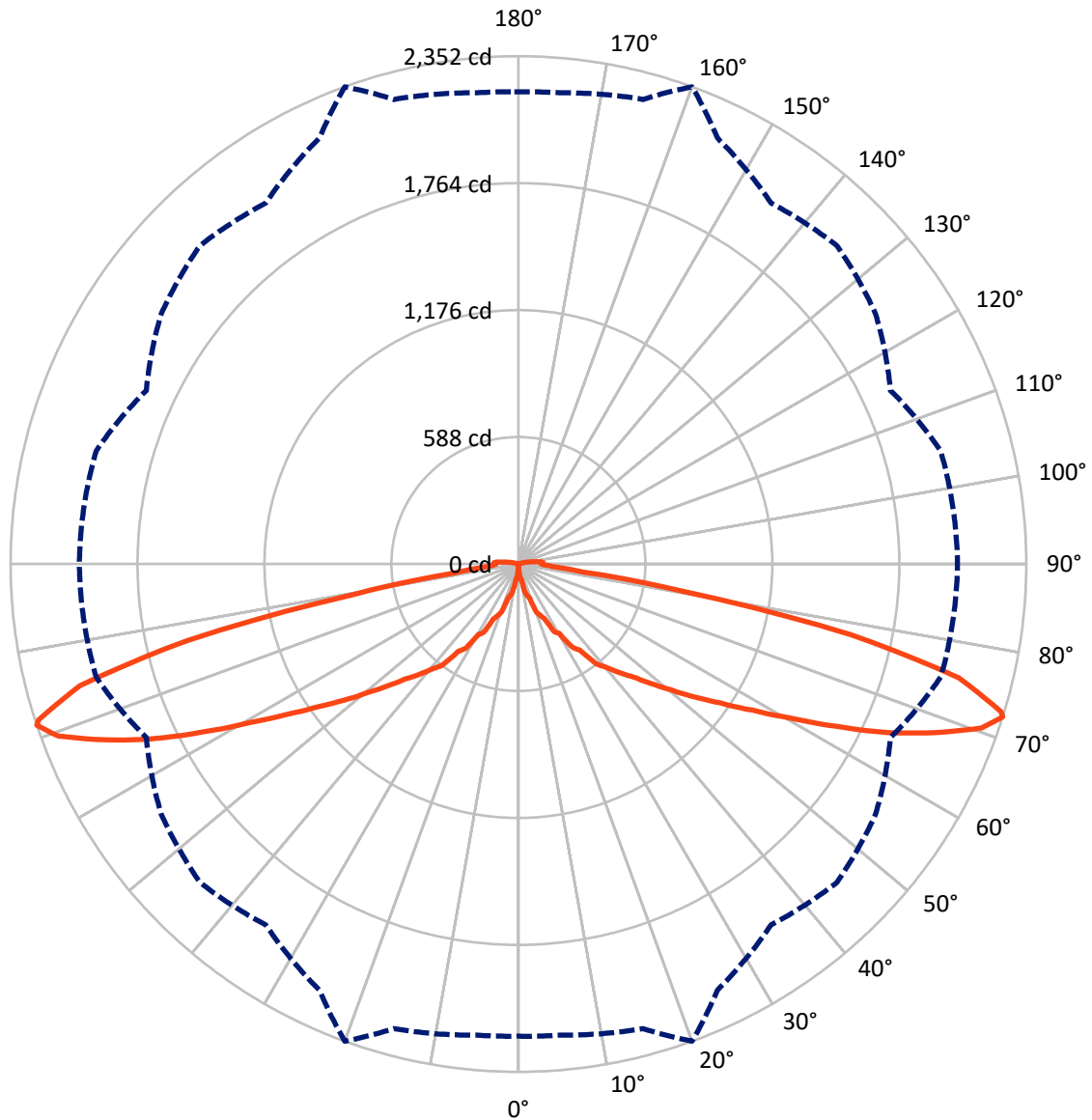
✕ Max cd
 - - - 1/2 Max cd



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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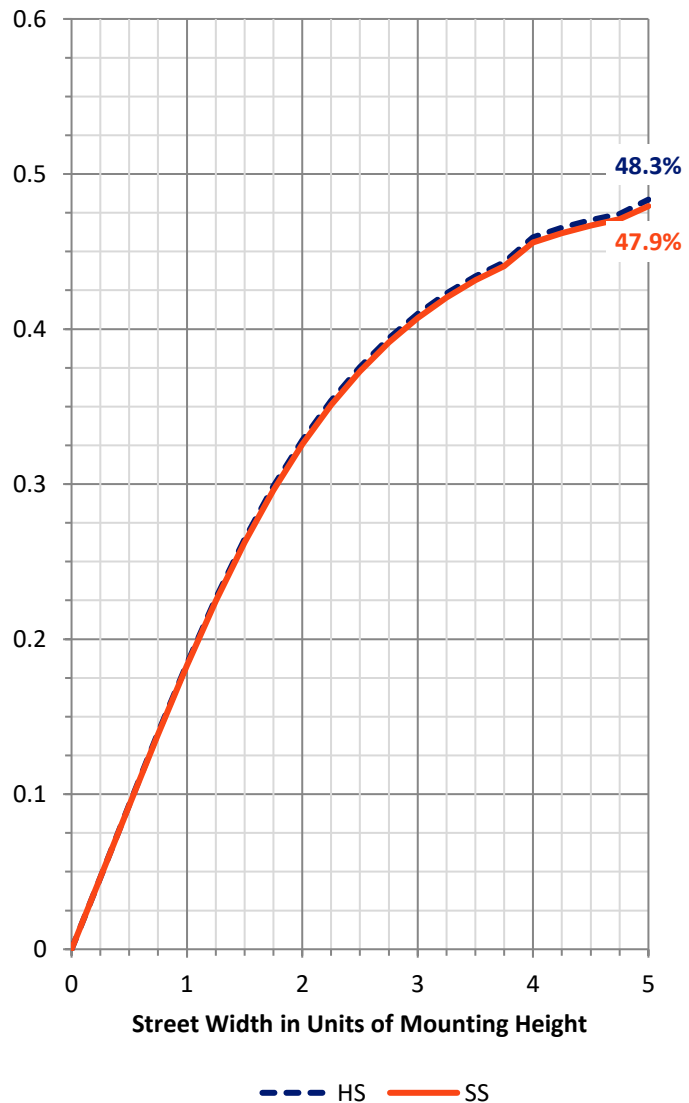
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3100.7	73.8	3174.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	3100.7	73.8	3174.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	6201.5	147.5	6349.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.0
10°-20°	34.8	0.5
20°-30°	137.6	2.2
30°-40°	318.5	5.0
40°-50°	579.6	9.1
50°-60°	1027.7	16.2
60°-70°	1738.5	27.4
70°-80°	1931.7	30.4
80°-90°	430.7	6.8
90°-100°	119.9	1.9
100°-110°	17.7	0.3
110°-120°	4.1	0.1
120°-130°	2.6	0.0
130°-140°	1.5	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°	6201.5	97.7
0°-180°	6349.0	100.0



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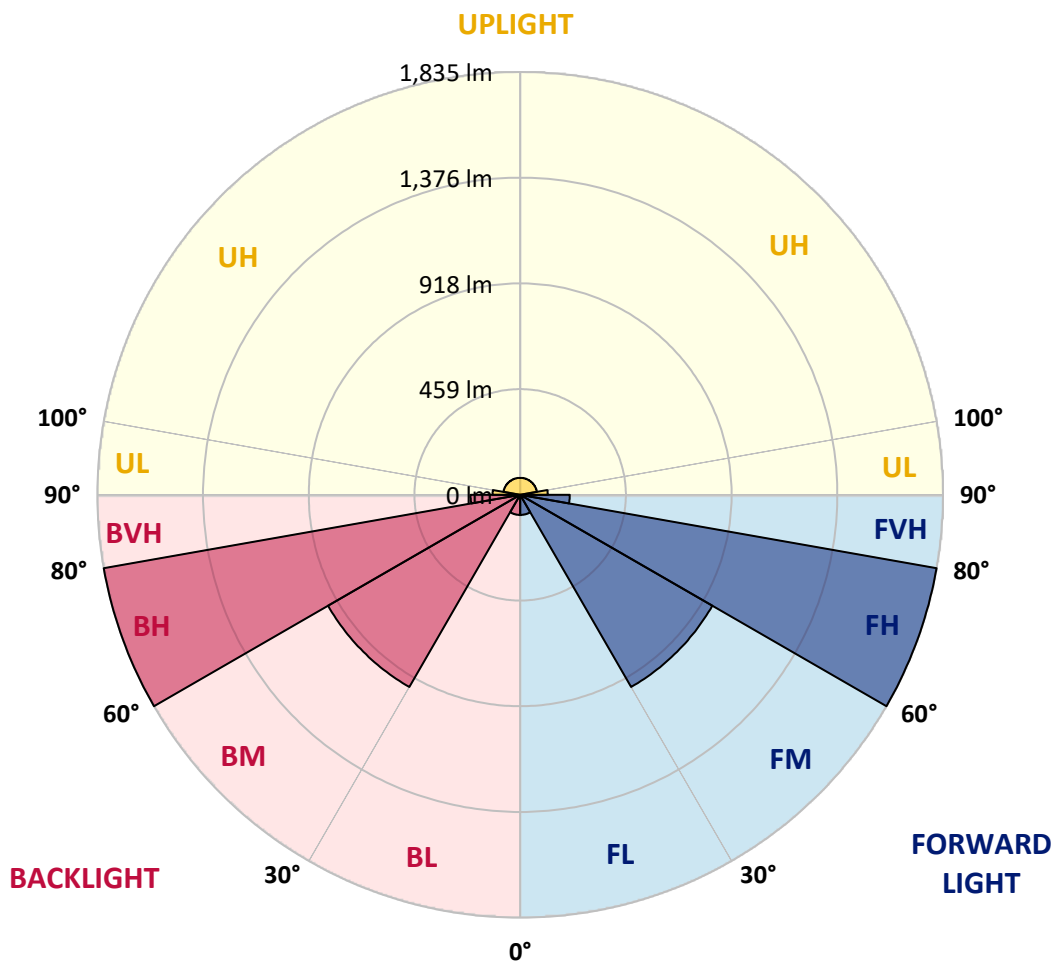
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.4	1.4			
FM	(30°-60°)	962.9	15.2			
FH	(60°-80°)	1835.1	28.9			G2/5000
FVH	(80°-90°)	215.3	3.4			G2/225
BL	(0°-30°)	87.4	1.4	B0/110		
BM	(30°-60°)	962.9	15.2	B1/1000		
BH	(60°-80°)	1835.1	28.9	B3/2500		G2/5000
BVH	(80°-90°)	215.3	3.4			G2/225
UL	(90°-100°)	119.9	1.9		U3/500	
UH	(100°-180°)	73.8	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	4.0	2.7	3.4	2.7	2.7	2.7	2.7	2.7
5°	29.6	28.9	26.9	49.8	23.5	12.1	6.7	4.0	2.7	2.7	2.7
7.5°	63.2	62.6	60.5	66.6	50.4	38.3	30.3	20.2	5.4	3.4	3.4
10°	76.0	75.3	72.6	73.3	70.6	68.6	56.5	34.3	15.5	5.4	5.4
12.5°	113.7	113.0	108.3	131.8	91.5	76.0	70.6	59.9	33.6	26.9	52.5
15°	155.4	155.4	148.6	152.0	125.8	111.0	82.1	102.9	113.0	107.6	115.0
17.5°	172.9	172.2	165.5	164.1	157.4	144.6	141.9	149.3	145.3	129.1	129.8
20°	219.9	219.3	210.5	236.1	195.1	164.1	204.5	178.9	164.8	187.7	217.9
22.5°	264.3	263.7	256.9	258.3	236.1	241.5	223.3	207.2	244.8	253.6	261.6
25°	313.4	311.4	285.2	279.8	261.0	285.9	256.3	298.0	272.4	284.5	306.0
27.5°	367.9	365.2	352.4	356.5	320.2	309.4	326.9	318.1	335.0	387.4	398.8
30°	402.9	387.4	376.0	374.0	381.4	346.4	359.8	368.6	386.7	409.6	429.8
32.5°	484.3	480.9	437.2	460.7	417.0	413.0	384.7	414.3	414.3	503.1	563.6
35°	520.6	517.2	505.1	489.7	478.9	441.9	455.3	445.9	514.5	547.5	597.9
37.5°	646.4	643.0	579.1	587.2	521.9	501.1	487.0	523.3	550.2	584.5	643.0
40°	695.5	692.8	667.2	630.9	606.7	546.8	529.3	559.6	592.6	630.2	690.1
42.5°	754.0	752.0	721.7	688.1	663.9	612.7	593.9	596.6	636.9	692.8	751.3
45°	823.9	823.9	804.4	746.6	723.0	686.7	656.5	659.8	697.5	764.7	825.3
47.5°	904.0	902.6	891.2	826.6	808.5	753.3	729.1	739.9	768.8	843.4	907.3
50°	997.5	990.7	990.1	916.1	893.9	837.4	814.5	832.7	850.2	924.1	993.4
52.5°	1093.6	1095.7	1096.3	1023.7	1001.5	953.1	920.1	939.6	939.6	1017.6	1093.6
55°	1208.0	1212.7	1209.3	1137.4	1140.7	1088.3	1043.2	1067.4	1058.7	1133.3	1201.3
57.5°	1355.3	1353.9	1360.7	1277.9	1288.7	1246.3	1195.2	1210.7	1197.2	1258.4	1319.0
60°	1502.6	1502.6	1520.1	1448.1	1477.0	1413.1	1380.2	1388.2	1340.5	1391.6	1445.4
62.5°	1655.9	1657.3	1682.8	1658.6	1665.3	1597.4	1576.6	1563.8	1473.0	1539.6	1576.6
65°	1811.3	1813.3	1855.7	1881.9	1832.2	1770.3	1752.1	1721.2	1623.6	1717.8	1724.5
67.5°	1968.7	1977.4	2027.9	2083.7	2007.7	1892.7	1918.9	1863.1	1762.2	1852.3	1847.6
70°	2141.5	2147.6	2181.9	2275.4	2138.9	1990.9	2019.1	1978.1	1858.4	1970.7	1979.5
72°	2186.6	2190.6	2227.6	2352.1	2178.5	2040.0	2085.7	2019.8	1901.4	2024.5	2031.2
72.5°	2183.9	2190.0	2220.2	2337.3	2177.2	2048.7	2097.8	2024.5	1900.8	2021.2	2020.5
75°	1978.8	1992.9	2039.3	2107.2	2057.5	2031.2	2136.2	1996.3	1824.8	1891.3	1875.9
77.5°	1452.1	1462.9	1530.2	1573.2	1671.4	1847.6	2036.6	1833.5	1595.4	1565.1	1514.0
80°	712.3	708.2	843.4	782.2	1066.1	1413.8	1690.2	1450.8	1127.9	918.1	786.3
82.5°	240.8	254.9	310.1	298.6	474.2	815.9	1144.1	895.9	522.6	355.8	293.9
85°	135.9	140.6	170.8	164.1	193.0	316.8	588.5	407.6	228.7	191.0	170.2
87.5°	119.7	121.7	120.4	118.4	127.8	177.6	178.2	184.3	139.9	129.8	130.5
90°	121.1	122.4	109.6	104.9	112.3	148.6	165.5	156.7	114.3	111.7	122.4
92.5°	131.2	132.5	119.0	114.3	120.4	152.7	170.2	161.4	115.7	119.0	130.5
95°	119.7	121.1	109.6	104.9	111.7	141.9	159.4	156.0	110.3	121.7	138.6
97.5°	76.7	77.3	76.7	76.7	88.1	107.6	112.3	106.3	73.3	74.7	76.0
100°	30.3	24.2	34.3	50.4	62.6	63.2	60.5	55.8	47.1	30.9	15.5
102.5°	10.1	10.1	23.5	33.0	37.0	29.6	23.5	23.5	27.6	19.5	10.1
105°	10.1	10.1	12.8	15.5	15.5	8.1	7.4	12.1	17.5	10.1	10.1
107.5°	9.4	10.1	6.7	6.1	5.4	5.4	5.4	5.4	6.7	7.4	10.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	8.1	8.1	5.4	5.4	4.7	4.0	5.4	4.7	5.4	6.1	8.1
112.5°	6.1	6.7	4.0	4.0	4.0	3.4	4.7	4.0	4.0	4.7	5.4
115°	6.1	6.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.0	5.4
117.5°	6.1	5.4	3.4	2.7	2.7	2.7	2.7	2.7	2.7	4.0	5.4
120°	6.1	5.4	3.4	2.7	2.0	2.0	2.0	2.0	2.7	3.4	5.4
122.5°	5.4	5.4	3.4	2.7	2.0	2.0	2.0	2.0	2.0	3.4	5.4
125°	5.4	5.4	3.4	2.7	2.0	2.0	1.3	2.0	2.0	3.4	4.7
127.5°	5.4	4.7	3.4	2.0	2.0	1.3	1.3	1.3	2.0	2.7	4.7
130°	4.7	4.7	3.4	2.0	1.3	1.3	1.3	1.3	1.3	2.7	4.0
132.5°	4.0	4.0	2.7	2.0	1.3	1.3	1.3	1.3	1.3	2.0	3.4
135°	3.4	3.4	2.7	2.0	1.3	2.0	1.3	1.3	1.3	1.3	2.7
137.5°	3.4	3.4	2.7	2.0	1.3	2.0	1.3	1.3	1.3	1.3	2.0
140°	3.4	3.4	2.7	2.0	2.0	2.0	1.3	1.3	1.3	1.3	2.0
142.5°	3.4	3.4	2.7	2.0	2.0	2.0	1.3	1.3	1.3	2.0	2.0
145°	3.4	3.4	3.4	2.7	2.0	2.0	1.3	1.3	2.0	2.0	2.7
147.5°	4.0	4.0	3.4	2.7	2.0	1.3	1.3	1.3	2.0	2.7	2.7
150°	3.4	3.4	2.7	2.0	2.0	1.3	0.7	0.7	1.3	2.7	2.7
152.5°	2.7	2.7	2.0	1.3	1.3	0.7	0.0	0.7	1.3	2.0	2.7
155°	2.0	1.3	1.3	0.7	0.7	0.0	0.0	0.0	0.7	1.3	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°	5.4
12.5°	53.8
15°	115.7
17.5°	129.8
20°	235.4
22.5°	265.0
25°	312.8
27.5°	408.3
30°	433.8
32.5°	577.8
35°	608.7
37.5°	650.4
40°	695.5
42.5°	753.3
45°	825.3
47.5°	908.7
50°	991.4
52.5°	1091.0
55°	1206.0
57.5°	1315.6
60°	1441.4
62.5°	1567.8
65°	1724.5
67.5°	1847.6
70°	1982.8
72°	2033.3
72.5°	2021.2
75°	1878.6
77.5°	1518.7
80°	771.5
82.5°	273.1
85°	167.5
87.5°	127.8
90°	120.4
92.5°	128.5
95°	136.5
97.5°	72.6
100°	10.8
102.5°	10.8
105°	10.8
107.5°	10.8



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CANDELA DISTRIBUTION (continued):

	90°
110°	8.7
112.5°	6.1
115°	6.1
117.5°	6.1
120°	6.1
122.5°	6.1
125°	5.4
127.5°	4.7
130°	4.0
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)