

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: P416685

Luminaire Tested: **LXF.LXT-PA1-80-730-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416685
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-PA1-80-730-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 8597 lumens
Efficiency: N/A
Efficacy: 103.6 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 - G3

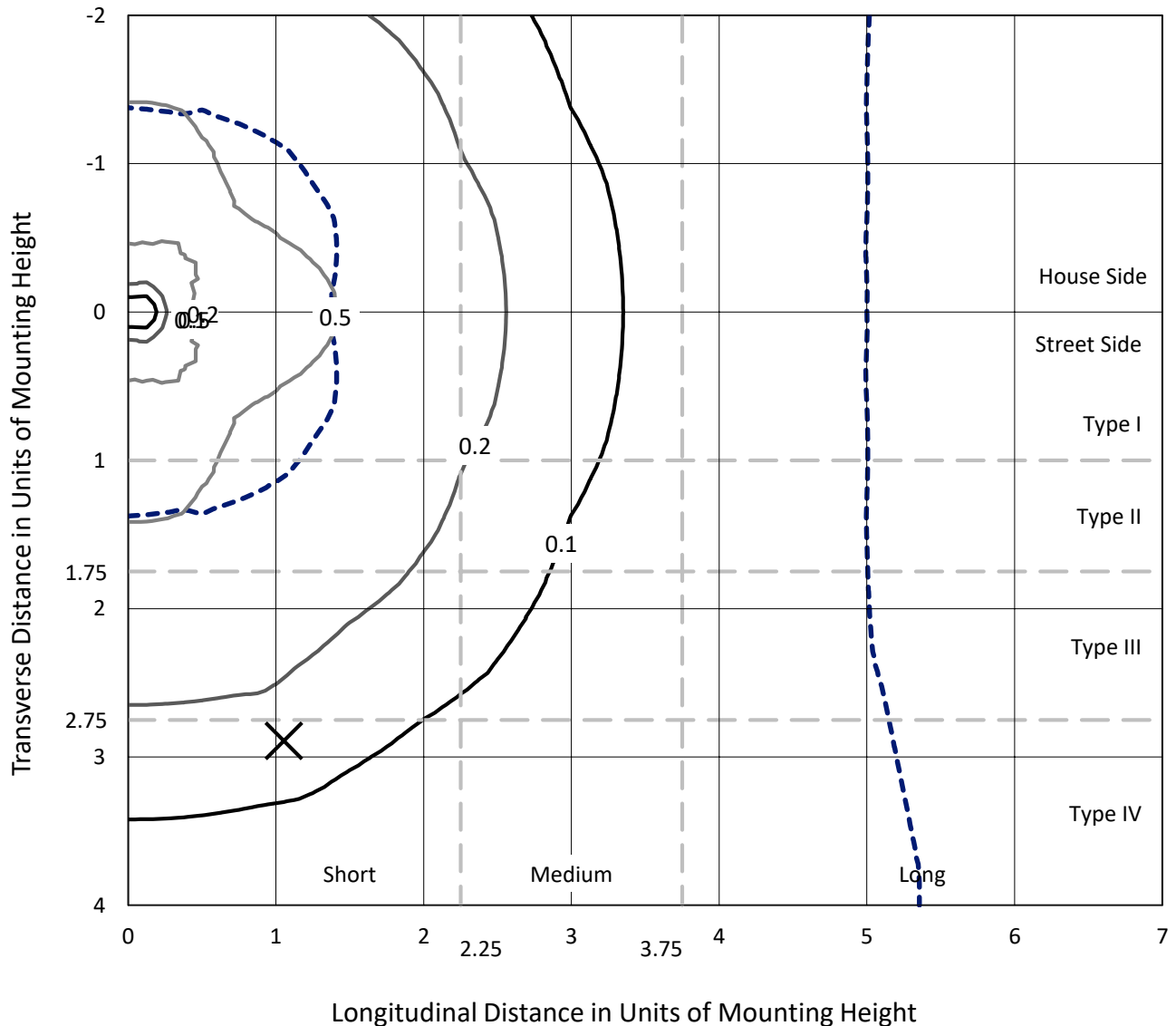
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

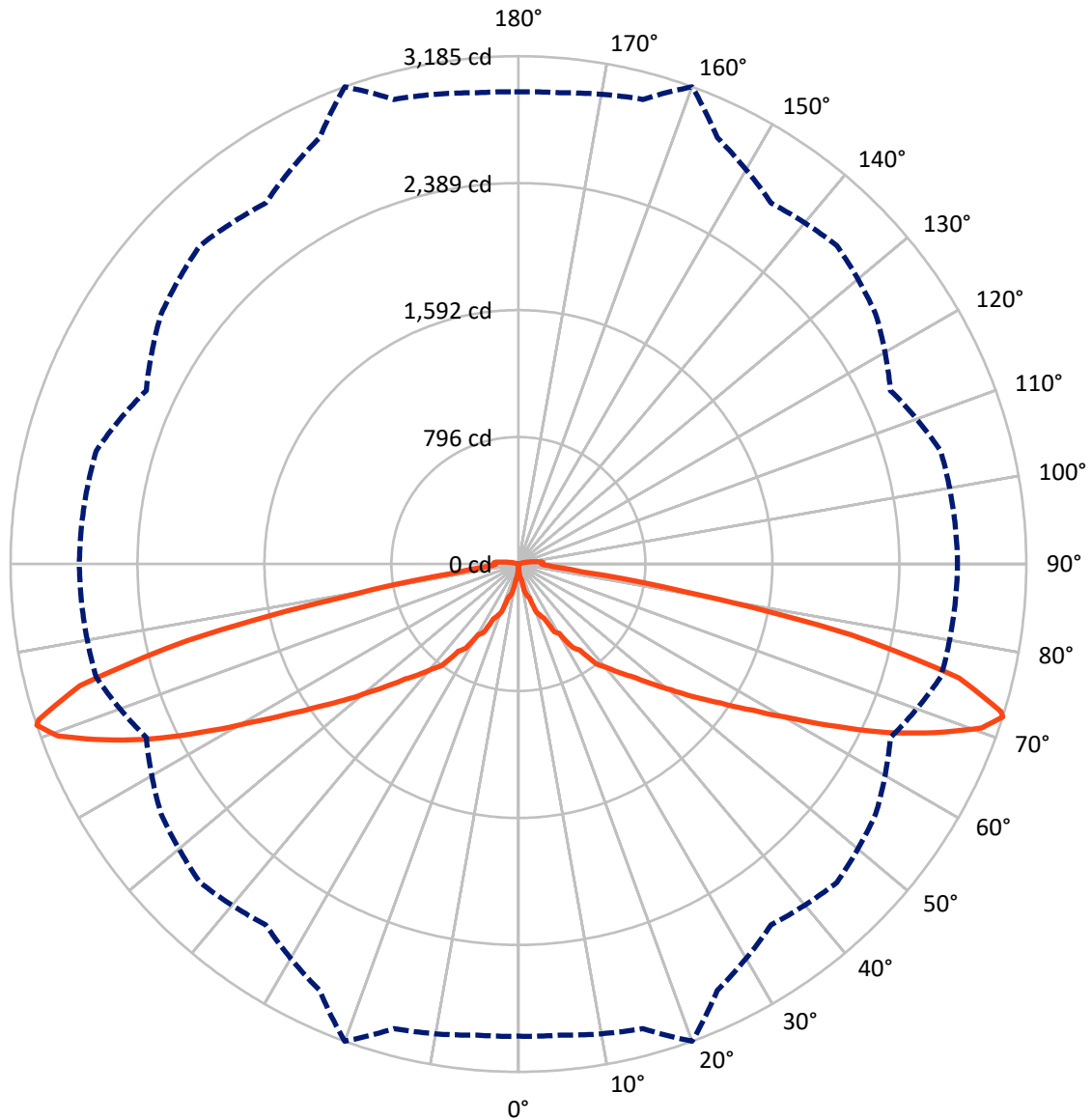
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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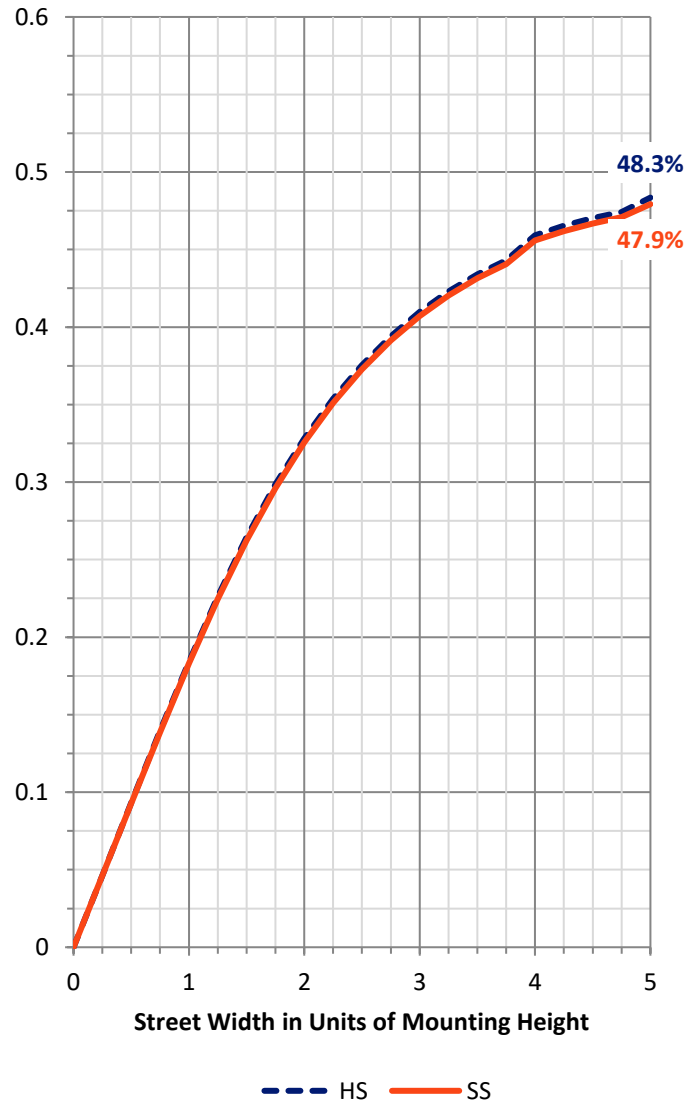
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4198.6	99.9	4298.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	4198.6	99.9	4298.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	8397.2	199.8	8597.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.0
10°-20°	47.1	0.5
20°-30°	186.3	2.2
30°-40°	431.2	5.0
40°-50°	784.9	9.1
50°-60°	1391.6	16.2
60°-70°	2354.0	27.4
70°-80°	2615.6	30.4
80°-90°	583.2	6.8
90°-100°	162.3	1.9
100°-110°	23.9	0.3
110°-120°	5.6	0.1
120°-130°	3.5	0.0
130°-140°	2.1	0.0
140°-150°	1.8	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8397.2	97.7
0°-180°	8597.0	100.0



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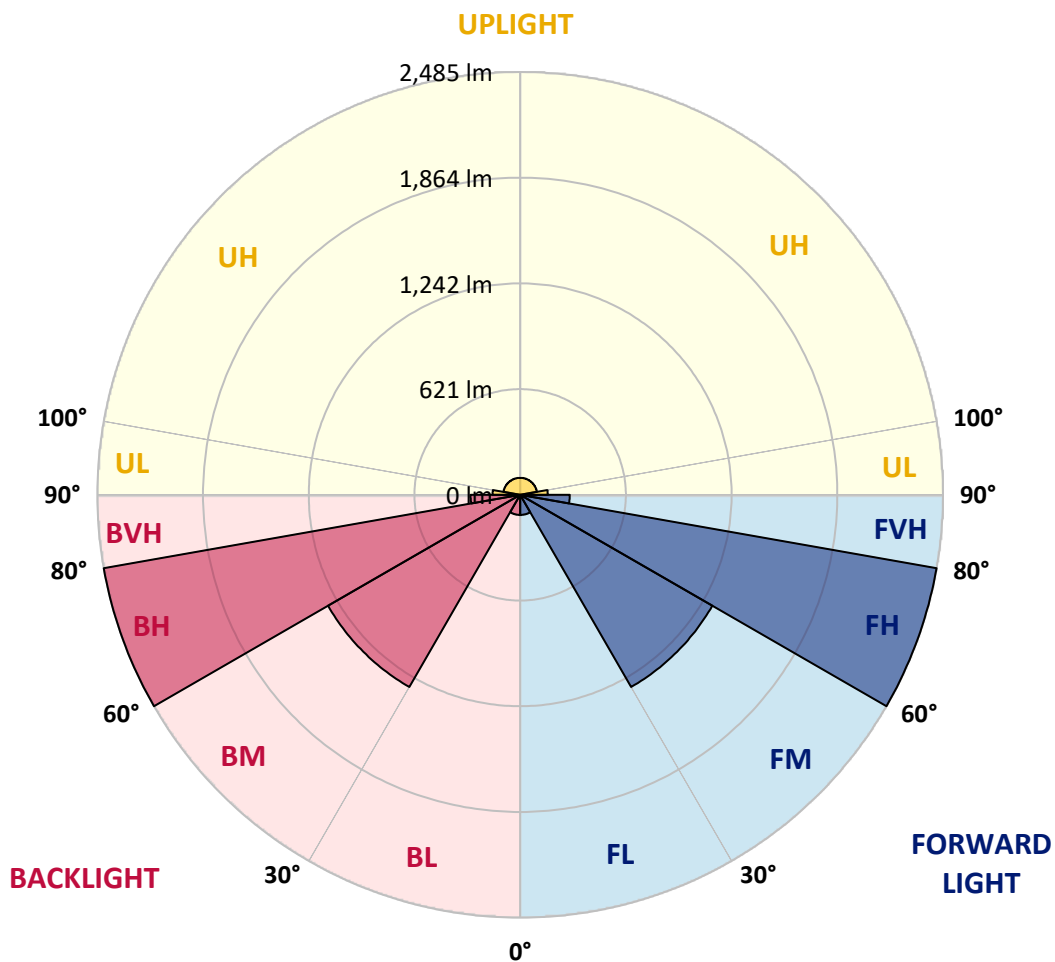
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.3	1.4			
FM (30°-60°)	1303.9	15.2			
FH (60°-80°)	2484.8	28.9			G2/5000
FVH (80°-90°)	291.6	3.4			G3/500
BL (0°-30°)	118.3	1.4	B1/500		
BM (30°-60°)	1303.9	15.2	B2/2500		
BH (60°-80°)	2484.8	28.9	B3/2500		G2/5000
BVH (80°-90°)	291.6	3.4			G3/500
UL (90°-100°)	162.3	1.9		U3/500	
UH (100°-180°)	99.9	1.2		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	4.6	4.6	4.6	5.5	3.6	4.6	3.6	3.6	3.6	3.6	3.6
5°	40.1	39.2	36.4	67.4	31.9	16.4	9.1	5.5	3.6	3.6	3.6
7.5°	85.6	84.7	82.0	90.2	68.3	51.9	41.0	27.3	7.3	4.6	4.6
10°	102.9	102.0	98.4	99.3	95.6	92.9	76.5	46.4	20.9	7.3	7.3
12.5°	153.9	153.0	146.6	178.5	123.9	102.9	95.6	81.1	45.5	36.4	71.0
15°	210.4	210.4	201.3	205.8	170.3	150.3	111.1	139.3	153.0	145.7	155.7
17.5°	234.1	233.2	224.0	222.2	213.1	195.8	192.2	202.2	196.7	174.9	175.8
20°	297.8	296.9	285.1	319.7	264.1	222.2	276.9	242.3	223.1	254.1	295.1
22.5°	357.9	357.0	347.9	349.7	319.7	327.0	302.4	280.5	331.5	343.4	354.3
25°	424.4	421.7	386.2	378.9	353.4	387.1	347.0	403.5	368.9	385.2	414.4
27.5°	498.2	494.5	477.2	482.7	433.5	418.9	442.6	430.8	453.6	524.6	540.1
30°	545.5	524.6	509.1	506.4	516.4	469.0	487.2	499.1	523.7	554.6	582.0
32.5°	655.7	651.2	592.0	623.9	564.7	559.2	520.9	561.0	561.0	681.2	763.2
35°	704.9	700.4	684.0	663.0	648.4	598.4	616.6	603.8	696.7	741.3	809.7
37.5°	875.2	870.7	784.2	795.1	706.7	678.5	659.4	708.6	745.0	791.4	870.7
40°	941.7	938.1	903.5	854.3	821.5	740.4	716.8	757.7	802.4	853.4	934.4
42.5°	1020.9	1018.2	977.2	931.7	898.9	829.7	804.2	807.8	862.5	938.1	1017.3
45°	1115.7	1115.7	1089.2	1010.9	979.0	929.9	888.9	893.4	944.4	1035.5	1117.5
47.5°	1224.0	1222.2	1206.7	1119.3	1094.7	1020.0	987.2	1001.8	1041.0	1142.1	1228.6
50°	1350.6	1341.5	1340.6	1240.4	1210.4	1133.9	1102.9	1127.5	1151.2	1251.4	1345.2
52.5°	1480.9	1483.6	1484.5	1386.2	1356.1	1290.5	1245.9	1272.3	1272.3	1378.0	1480.9
55°	1635.7	1642.1	1637.5	1540.1	1544.6	1473.6	1412.6	1445.3	1433.5	1534.6	1626.6
57.5°	1835.1	1833.3	1842.4	1730.4	1745.0	1687.6	1618.4	1639.3	1621.1	1704.0	1786.0
60°	2034.6	2034.6	2058.3	1960.8	2000.0	1913.5	1868.8	1879.8	1815.1	1884.3	1957.2
62.5°	2242.3	2244.1	2278.7	2245.9	2255.0	2163.0	2134.8	2117.5	1994.5	2084.7	2134.8
65°	2452.6	2455.4	2512.7	2548.3	2480.9	2397.1	2372.5	2330.6	2198.5	2326.0	2335.1
67.5°	2665.7	2677.6	2745.9	2821.5	2718.6	2562.8	2598.4	2522.8	2386.1	2508.2	2501.8
70°	2899.8	2908.0	2954.5	3081.0	2896.2	2695.8	2734.1	2678.5	2516.4	2668.5	2680.3
72°	2960.8	2966.3	3016.4	3184.9	2949.9	2762.3	2824.2	2735.0	2574.7	2741.3	2750.4
72.5°	2957.2	2965.4	3006.4	3164.8	2948.1	2774.1	2840.6	2741.3	2573.8	2736.8	2735.9
75°	2679.4	2698.5	2761.4	2853.4	2786.0	2750.4	2892.5	2703.1	2470.8	2561.0	2540.1
77.5°	1966.3	1980.9	2071.9	2130.2	2263.2	2501.8	2757.7	2482.7	2160.3	2119.3	2050.1
80°	964.5	959.0	1142.1	1059.2	1443.5	1914.4	2288.7	1964.5	1527.3	1243.2	1064.7
82.5°	326.0	345.2	419.9	404.4	642.1	1104.7	1549.2	1213.1	707.6	481.8	398.0
85°	184.0	190.3	231.3	222.2	261.4	429.0	796.9	551.9	309.7	258.7	230.4
87.5°	162.1	164.8	163.0	160.3	173.0	240.4	241.3	249.5	189.4	175.8	176.7
90°	163.9	165.8	148.5	142.1	152.1	201.3	224.0	212.2	154.8	151.2	165.8
92.5°	177.6	179.4	161.2	154.8	163.0	206.7	230.4	218.6	156.6	161.2	176.7
95°	162.1	163.9	148.5	142.1	151.2	192.2	215.8	211.3	149.4	164.8	187.6
97.5°	103.8	104.7	103.8	103.8	119.3	145.7	152.1	143.9	99.3	101.1	102.9
100°	41.0	32.8	46.4	68.3	84.7	85.6	82.0	75.6	63.8	41.9	20.9
102.5°	13.7	13.7	31.9	44.6	50.1	40.1	31.9	31.9	37.3	26.4	13.7
105°	13.7	13.7	17.3	20.9	20.9	10.9	10.0	16.4	23.7	13.7	13.7
107.5°	12.8	13.7	9.1	8.2	7.3	7.3	7.3	7.3	9.1	10.0	13.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	10.9	10.9	7.3	7.3	6.4	5.5	7.3	6.4	7.3	8.2	10.9
112.5°	8.2	9.1	5.5	5.5	5.5	4.6	6.4	5.5	5.5	6.4	7.3
115°	8.2	8.2	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.5	7.3
117.5°	8.2	7.3	4.6	3.6	3.6	3.6	3.6	3.6	3.6	5.5	7.3
120°	8.2	7.3	4.6	3.6	2.7	2.7	2.7	2.7	3.6	4.6	7.3
122.5°	7.3	7.3	4.6	3.6	2.7	2.7	2.7	2.7	2.7	4.6	7.3
125°	7.3	7.3	4.6	3.6	2.7	2.7	1.8	2.7	2.7	4.6	6.4
127.5°	7.3	6.4	4.6	2.7	2.7	1.8	1.8	1.8	2.7	3.6	6.4
130°	6.4	6.4	4.6	2.7	1.8	1.8	1.8	1.8	1.8	3.6	5.5
132.5°	5.5	5.5	3.6	2.7	1.8	1.8	1.8	1.8	1.8	2.7	4.6
135°	4.6	4.6	3.6	2.7	1.8	2.7	1.8	1.8	1.8	1.8	3.6
137.5°	4.6	4.6	3.6	2.7	1.8	2.7	1.8	1.8	1.8	1.8	2.7
140°	4.6	4.6	3.6	2.7	2.7	2.7	1.8	1.8	1.8	1.8	2.7
142.5°	4.6	4.6	3.6	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7
145°	4.6	4.6	4.6	3.6	2.7	2.7	1.8	1.8	2.7	2.7	3.6
147.5°	5.5	5.5	4.6	3.6	2.7	1.8	1.8	1.8	2.7	3.6	3.6
150°	4.6	4.6	3.6	2.7	2.7	1.8	0.9	0.9	1.8	3.6	3.6
152.5°	3.6	3.6	2.7	1.8	1.8	0.9	0.0	0.9	1.8	2.7	3.6
155°	2.7	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.9	1.8	2.7
157.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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°	3.6
2.5°	3.6
5°	3.6
7.5°	4.6
10°	7.3
12.5°	72.9
15°	156.6
17.5°	175.8
20°	318.8
22.5°	358.8
25°	423.5
27.5°	552.8
30°	587.4
32.5°	782.3
35°	824.2
37.5°	880.7
40°	941.7
42.5°	1020.0
45°	1117.5
47.5°	1230.4
50°	1342.4
52.5°	1477.2
55°	1633.0
57.5°	1781.4
60°	1951.7
62.5°	2122.9
65°	2335.1
67.5°	2501.8
70°	2684.9
72°	2753.2
72.5°	2736.8
75°	2543.7
77.5°	2056.5
80°	1044.6
82.5°	369.8
85°	226.8
87.5°	173.0
90°	163.0
92.5°	174.0
95°	184.9
97.5°	98.4
100°	14.6
102.5°	14.6
105°	14.6
107.5°	14.6



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CANDELA DISTRIBUTION (continued):

	90°
110°	11.8
112.5°	8.2
115°	8.2
117.5°	8.2
120°	8.2
122.5°	8.2
125°	7.3
127.5°	6.4
130°	5.5
132.5°	4.6
135°	3.6
137.5°	2.7
140°	2.7
142.5°	2.7
145°	3.6
147.5°	3.6
150°	3.6
152.5°	3.6
155°	2.7
157.5°	0.9
160°	0.9
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)