

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: P416217

Luminaire Tested: **LXF.LXT-PA1-70-727-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416217
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-PA1-70-727-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 7223 lumens
Efficiency: N/A
Efficacy: 97.6 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

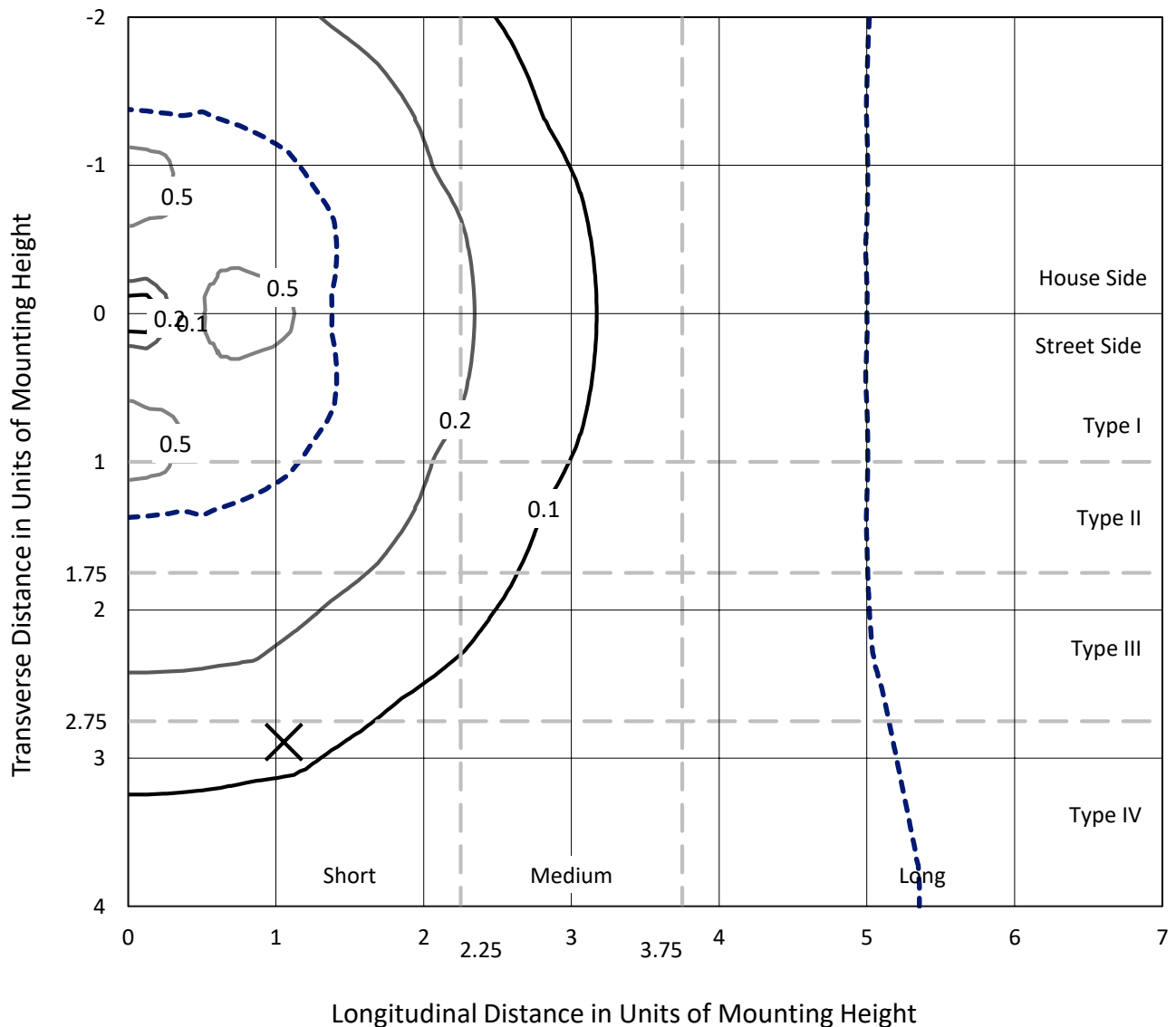
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

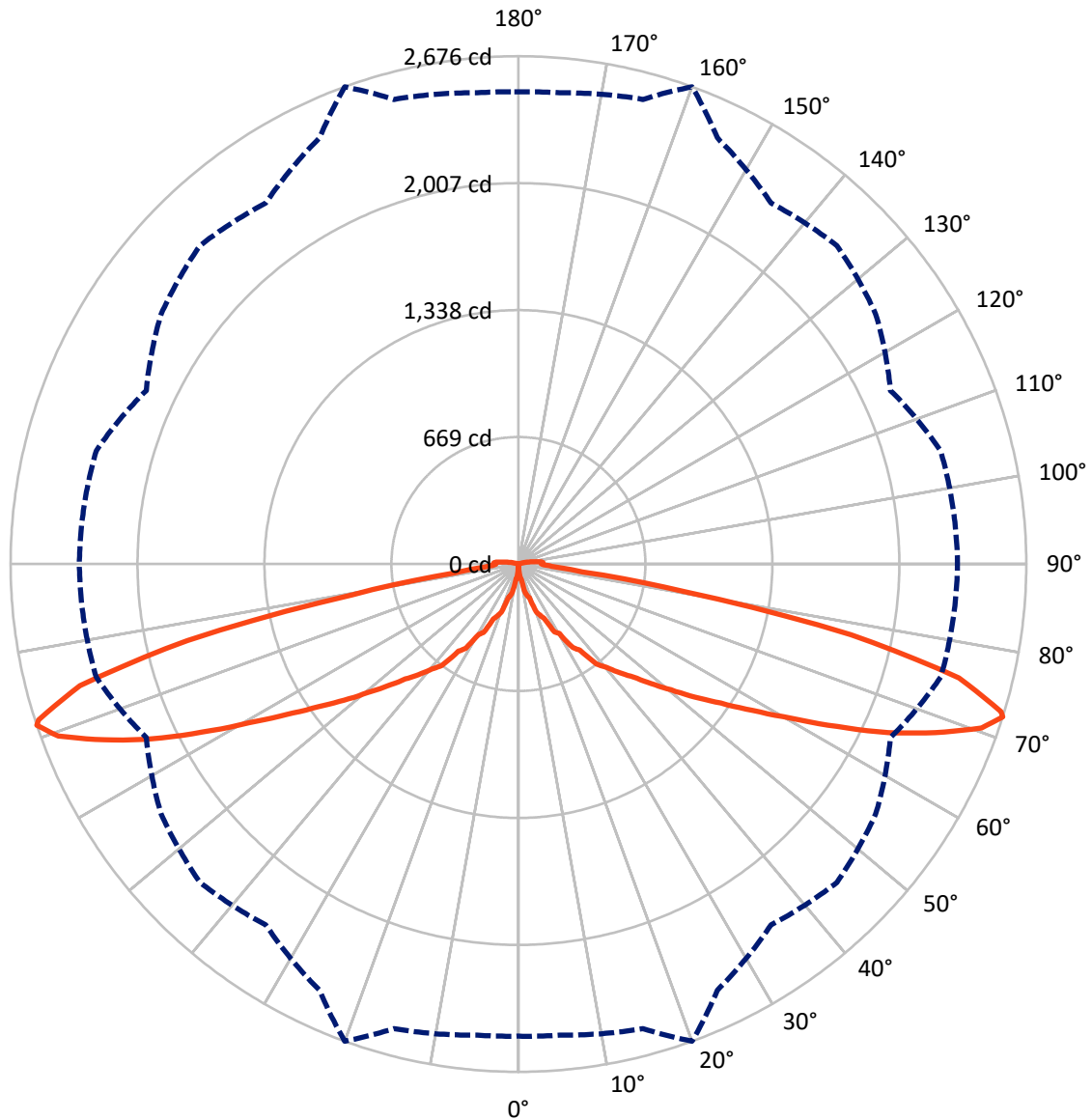
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	3527.6	83.9	3611.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	3527.6	83.9	3611.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	7055.1	167.9	7223.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.0
10°-20°	39.6	0.5
20°-30°	156.5	2.2
30°-40°	362.3	5.0
40°-50°	659.4	9.1
50°-60°	1169.2	16.2
60°-70°	1977.8	27.4
70°-80°	2197.6	30.4
80°-90°	490.0	6.8
90°-100°	136.3	1.9
100°-110°	20.1	0.3
110°-120°	4.7	0.1
120°-130°	2.9	0.0
130°-140°	1.8	0.0
140°-150°	1.5	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7055.1	97.7
0°-180°	7223.0	100.0



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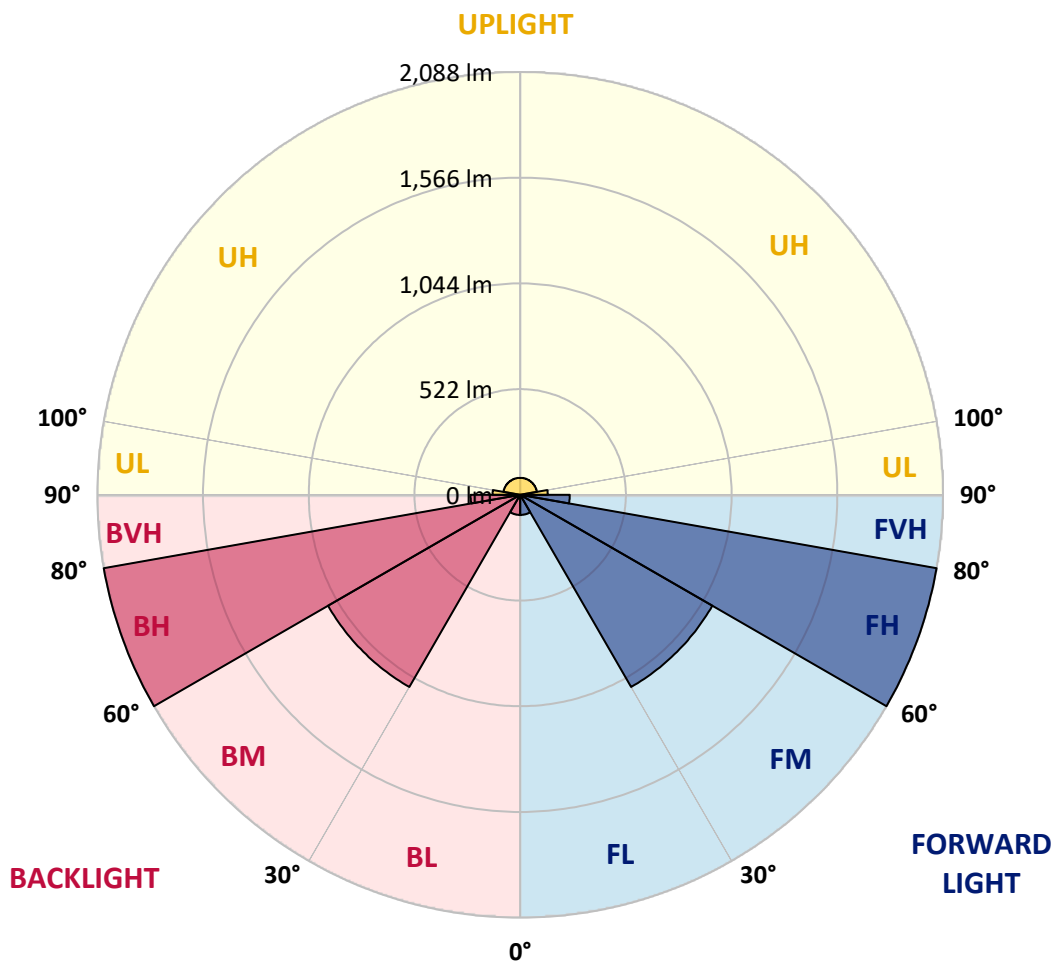
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.4	1.4			
FM (30°-60°)	1095.5	15.2			
FH (60°-80°)	2087.7	28.9			G2/5000
FVH (80°-90°)	245.0	3.4			G3/500
BL (0°-30°)	99.4	1.4	B0/110		
BM (30°-60°)	1095.5	15.2	B2/2500		
BH (60°-80°)	2087.7	28.9	B3/2500		G2/5000
BVH (80°-90°)	245.0	3.4			G3/500
UL (90°-100°)	136.3	1.9		U3/500	
UH (100°-180°)	83.9	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°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
2.5°	3.8	3.8	3.8	4.6	3.1	3.8	3.1	3.1	3.1	3.1	3.1
5°	33.7	32.9	30.6	56.6	26.8	13.8	7.7	4.6	3.1	3.1	3.1
7.5°	71.9	71.2	68.9	75.8	57.4	43.6	34.4	23.0	6.1	3.8	3.8
10°	86.5	85.7	82.6	83.4	80.3	78.0	64.3	39.0	17.6	6.1	6.1
12.5°	129.3	128.6	123.2	150.0	104.1	86.5	80.3	68.1	38.3	30.6	59.7
15°	176.8	176.8	169.1	172.9	143.1	126.3	93.4	117.1	128.6	122.4	130.8
17.5°	196.7	195.9	188.2	186.7	179.1	164.5	161.5	169.9	165.3	146.9	147.7
20°	250.2	249.5	239.5	268.6	221.9	186.7	232.6	203.5	187.5	213.5	247.9
22.5°	300.7	300.0	292.3	293.8	268.6	274.7	254.0	235.7	278.5	288.5	297.7
25°	356.6	354.3	324.4	318.3	296.9	325.2	291.5	339.0	309.9	323.7	348.2
27.5°	418.6	415.5	401.0	405.5	364.2	352.0	371.9	361.9	381.1	440.7	453.8
30°	458.3	440.7	427.7	425.4	433.9	394.1	409.4	419.3	440.0	466.0	489.0
32.5°	550.9	547.1	497.4	524.2	474.4	469.8	437.7	471.4	471.4	572.4	641.2
35°	592.3	588.4	574.7	557.1	544.8	502.7	518.0	507.3	585.4	622.9	680.2
37.5°	735.3	731.5	658.8	668.0	593.8	570.1	554.0	595.3	625.9	664.9	731.5
40°	791.2	788.1	759.1	717.7	690.2	622.1	602.2	636.6	674.1	717.0	785.1
42.5°	857.8	855.5	821.0	782.8	755.2	697.1	675.7	678.7	724.6	788.1	854.7
45°	937.4	937.4	915.2	849.4	822.6	781.3	746.8	750.6	793.5	870.0	938.9
47.5°	1028.4	1026.9	1013.9	940.4	919.8	857.0	829.5	841.7	874.6	959.5	1032.2
50°	1134.8	1127.1	1126.4	1042.2	1016.9	952.7	926.6	947.3	967.2	1051.4	1130.2
52.5°	1244.2	1246.5	1247.3	1164.6	1139.4	1084.3	1046.8	1069.0	1069.0	1157.7	1244.2
55°	1374.3	1379.6	1375.8	1293.9	1297.8	1238.1	1186.8	1214.3	1204.4	1289.3	1366.6
57.5°	1541.8	1540.3	1548.0	1453.9	1466.1	1417.9	1359.7	1377.3	1362.0	1431.7	1500.5
60°	1709.4	1709.4	1729.3	1647.4	1680.3	1607.7	1570.2	1579.3	1525.0	1583.2	1644.4
62.5°	1883.9	1885.4	1914.5	1886.9	1894.6	1817.3	1793.6	1779.1	1675.8	1751.5	1793.6
65°	2060.6	2062.9	2111.1	2141.0	2084.4	2014.0	1993.3	1958.1	1847.2	1954.3	1961.9
67.5°	2239.7	2249.6	2307.0	2370.5	2284.1	2153.2	2183.1	2119.6	2004.8	2107.3	2102.0
70°	2436.4	2443.2	2482.3	2588.6	2433.3	2264.9	2297.1	2250.4	2114.2	2242.0	2251.9
72°	2487.6	2492.2	2534.3	2675.9	2478.4	2320.8	2372.8	2297.9	2163.2	2303.2	2310.9
72.5°	2484.6	2491.4	2525.9	2659.0	2476.9	2330.8	2386.6	2303.2	2162.4	2299.4	2298.6
75°	2251.2	2267.2	2320.0	2397.3	2340.7	2310.9	2430.2	2271.1	2075.9	2151.7	2134.1
77.5°	1652.0	1664.3	1740.8	1789.8	1901.5	2102.0	2317.0	2085.9	1815.0	1780.6	1722.4
80°	810.3	805.7	959.5	889.9	1212.8	1608.4	1922.9	1650.5	1283.2	1044.5	894.5
82.5°	273.9	290.0	352.8	339.7	539.5	928.2	1301.6	1019.2	594.5	404.8	334.4
85°	154.6	159.9	194.4	186.7	219.6	360.4	669.5	463.7	260.2	217.3	193.6
87.5°	136.2	138.5	137.0	134.7	145.4	202.0	202.8	209.7	159.2	147.7	148.4
90°	137.7	139.3	124.7	119.4	127.8	169.1	188.2	178.3	130.1	127.0	139.3
92.5°	149.2	150.7	135.4	130.1	137.0	173.7	193.6	183.6	131.6	135.4	148.4
95°	136.2	137.7	124.7	119.4	127.0	161.5	181.3	177.5	125.5	138.5	157.6
97.5°	87.2	88.0	87.2	87.2	100.2	122.4	127.8	120.9	83.4	84.9	86.5
100°	34.4	27.5	39.0	57.4	71.2	71.9	68.9	63.5	53.6	35.2	17.6
102.5°	11.5	11.5	26.8	37.5	42.1	33.7	26.8	26.8	31.4	22.2	11.5
105°	11.5	11.5	14.5	17.6	17.6	9.2	8.4	13.8	19.9	11.5	11.5
107.5°	10.7	11.5	7.7	6.9	6.1	6.1	6.1	6.1	7.7	8.4	11.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	9.2	9.2	6.1	6.1	5.4	4.6	6.1	5.4	6.1	6.9	9.2
112.5°	6.9	7.7	4.6	4.6	4.6	3.8	5.4	4.6	4.6	5.4	6.1
115°	6.9	6.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.6	6.1
117.5°	6.9	6.1	3.8	3.1	3.1	3.1	3.1	3.1	3.1	4.6	6.1
120°	6.9	6.1	3.8	3.1	2.3	2.3	2.3	2.3	3.1	3.8	6.1
122.5°	6.1	6.1	3.8	3.1	2.3	2.3	2.3	2.3	2.3	3.8	6.1
125°	6.1	6.1	3.8	3.1	2.3	2.3	1.5	2.3	2.3	3.8	5.4
127.5°	6.1	5.4	3.8	2.3	2.3	1.5	1.5	1.5	2.3	3.1	5.4
130°	5.4	5.4	3.8	2.3	1.5	1.5	1.5	1.5	1.5	3.1	4.6
132.5°	4.6	4.6	3.1	2.3	1.5	1.5	1.5	1.5	1.5	2.3	3.8
135°	3.8	3.8	3.1	2.3	1.5	2.3	1.5	1.5	1.5	1.5	3.1
137.5°	3.8	3.8	3.1	2.3	1.5	2.3	1.5	1.5	1.5	1.5	2.3
140°	3.8	3.8	3.1	2.3	2.3	2.3	1.5	1.5	1.5	1.5	2.3
142.5°	3.8	3.8	3.1	2.3	2.3	2.3	1.5	1.5	1.5	2.3	2.3
145°	3.8	3.8	3.8	3.1	2.3	2.3	1.5	1.5	2.3	2.3	3.1
147.5°	4.6	4.6	3.8	3.1	2.3	1.5	1.5	1.5	2.3	3.1	3.1
150°	3.8	3.8	3.1	2.3	2.3	1.5	0.8	0.8	1.5	3.1	3.1
152.5°	3.1	3.1	2.3	1.5	1.5	0.8	0.0	0.8	1.5	2.3	3.1
155°	2.3	1.5	1.5	0.8	0.8	0.0	0.0	0.0	0.8	1.5	2.3
157.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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°	3.1
2.5°	3.1
5°	3.1
7.5°	3.8
10°	6.1
12.5°	61.2
15°	131.6
17.5°	147.7
20°	267.8
22.5°	301.5
25°	355.8
27.5°	464.5
30°	493.5
32.5°	657.3
35°	692.5
37.5°	739.9
40°	791.2
42.5°	857.0
45°	938.9
47.5°	1033.8
50°	1127.9
52.5°	1241.1
55°	1372.0
57.5°	1496.7
60°	1639.8
62.5°	1783.6
65°	1961.9
67.5°	2102.0
70°	2255.8
72°	2313.2
72.5°	2299.4
75°	2137.2
77.5°	1727.8
80°	877.7
82.5°	310.7
85°	190.5
87.5°	145.4
90°	137.0
92.5°	146.2
95°	155.3
97.5°	82.6
100°	12.2
102.5°	12.2
105°	12.2
107.5°	12.2



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CANDELA DISTRIBUTION (continued):

	90°
110°	9.9
112.5°	6.9
115°	6.9
117.5°	6.9
120°	6.9
122.5°	6.9
125°	6.1
127.5°	5.4
130°	4.6
132.5°	3.8
135°	3.1
137.5°	2.3
140°	2.3
142.5°	2.3
145°	3.1
147.5°	3.1
150°	3.1
152.5°	3.1
155°	2.3
157.5°	0.8
160°	0.8
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)