

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: P416633

Luminaire Tested: **LXF.LXT-PA1-80-727-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416633
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-PA1-80-727-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 7895 lumens
Efficiency: N/A
Efficacy: 95.1 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 - 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

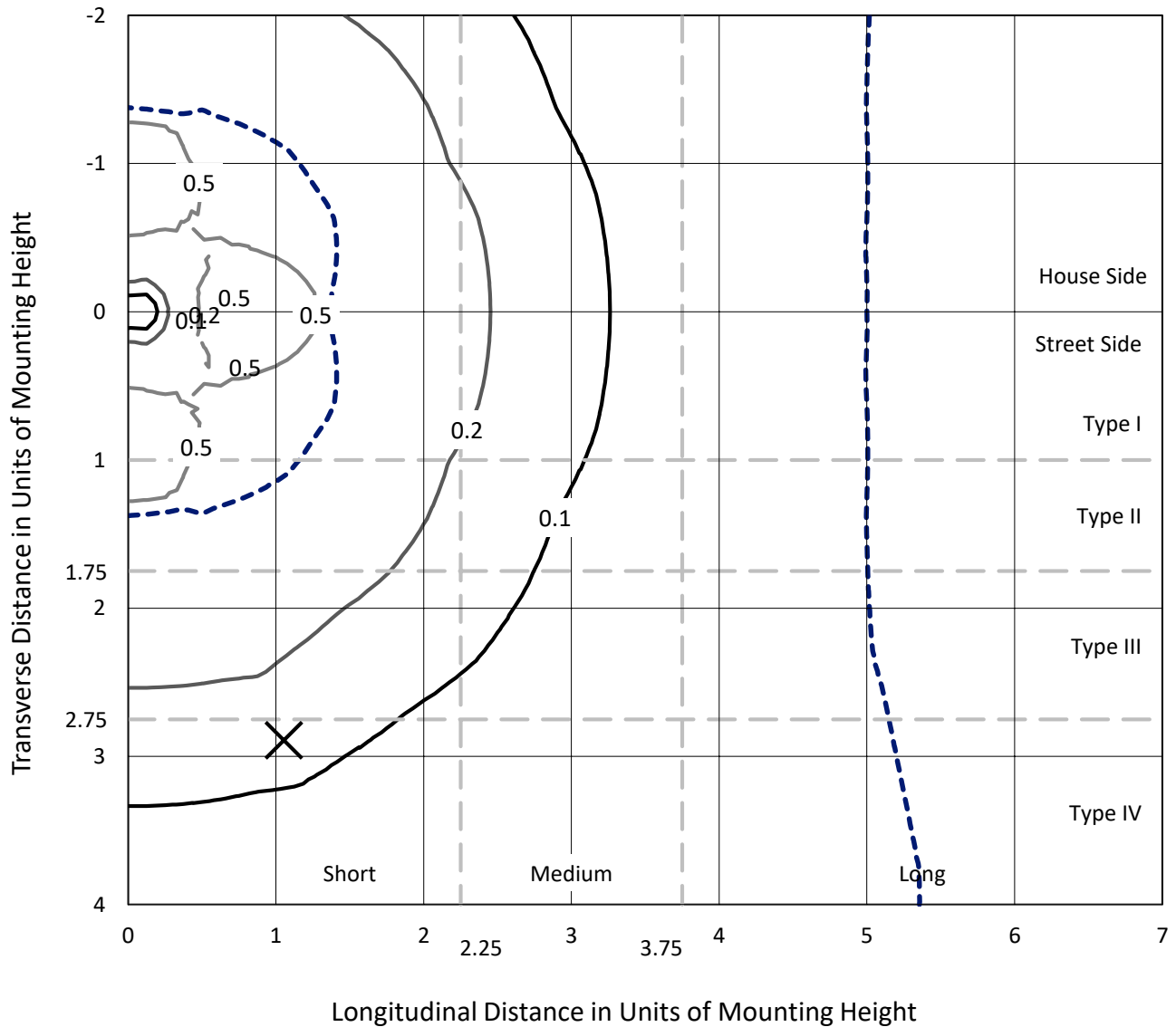


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Iso-Footcandle Lines of Horizontal Illumination

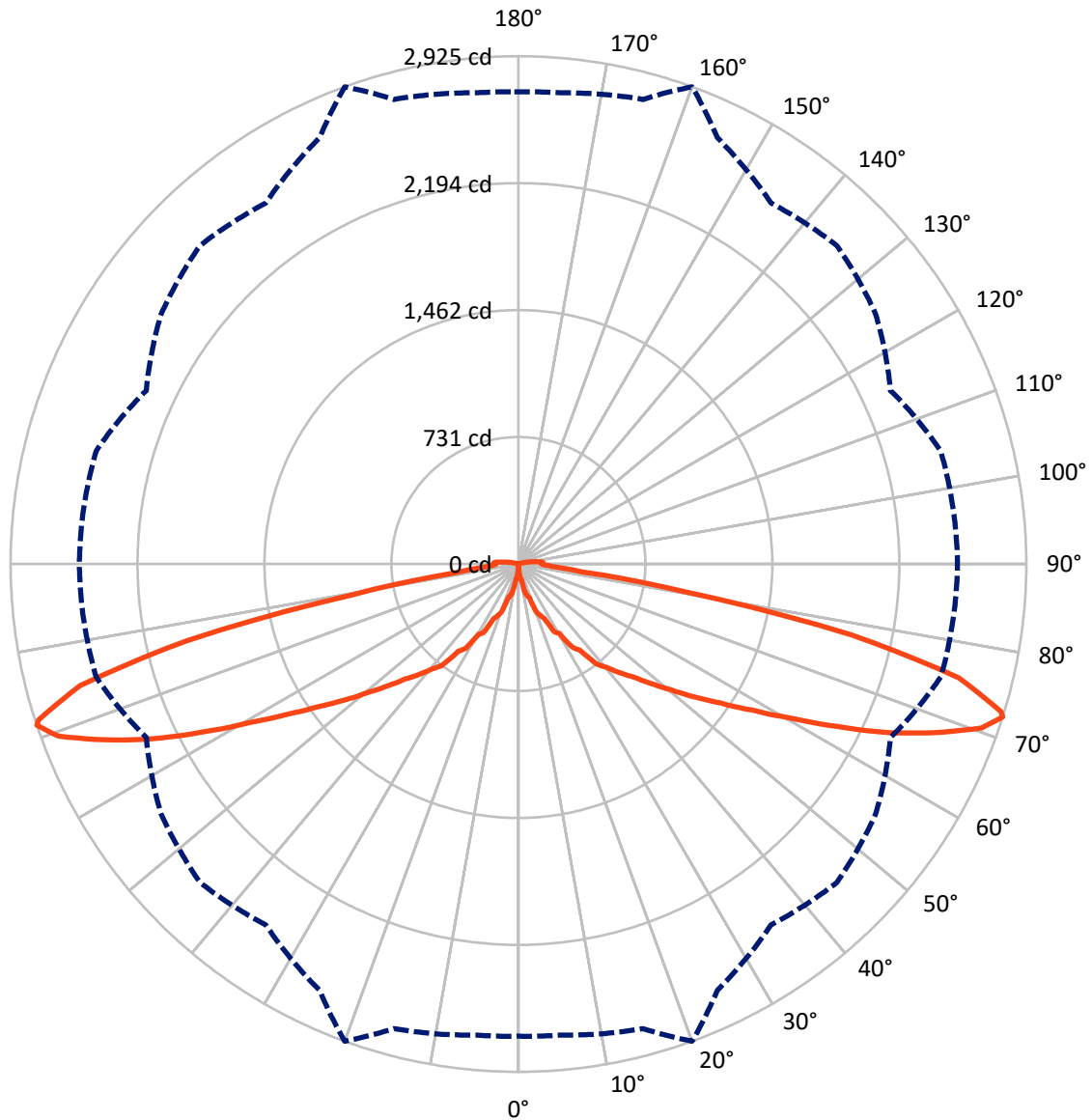
✕ Max cd
 - - - 1/2 Max cd



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	3855.8	91.7	3947.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	3855.8	91.7	3947.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	7711.5	183.5	7895.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.0
10°-20°	43.2	0.5
20°-30°	171.1	2.2
30°-40°	396.0	5.0
40°-50°	720.8	9.1
50°-60°	1278.0	16.2
60°-70°	2161.8	27.4
70°-80°	2402.1	30.4
80°-90°	535.5	6.8
90°-100°	149.0	1.9
100°-110°	22.0	0.3
110°-120°	5.1	0.1
120°-130°	3.2	0.0
130°-140°	2.0	0.0
140°-150°	1.7	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7711.5	97.7
0°-180°	7895.0	100.0



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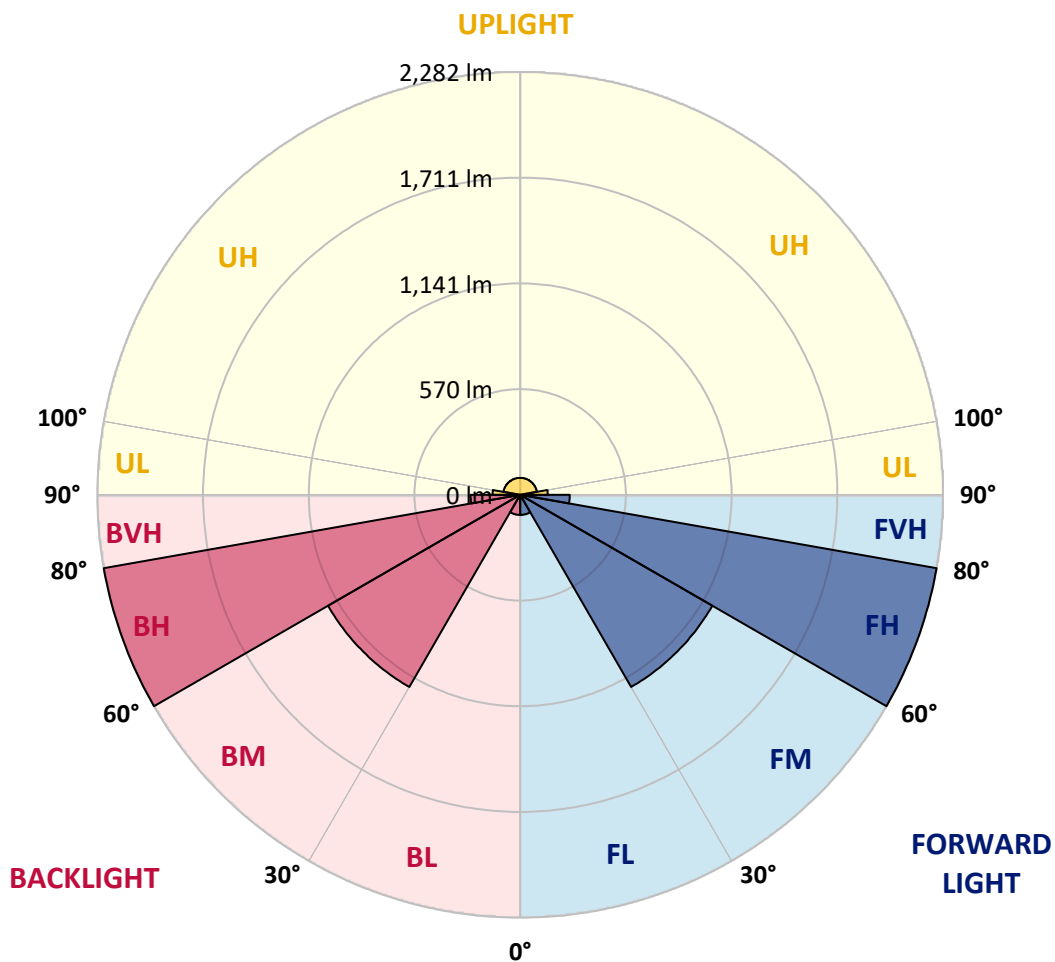
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	108.7	1.4			
FM (30°-60°)	1197.4	15.2			
FH (60°-80°)	2281.9	28.9			G2/5000
FVH (80°-90°)	267.8	3.4			G3/500
BL (0°-30°)	108.7	1.4	B0/110		
BM (30°-60°)	1197.4	15.2	B2/2500		
BH (60°-80°)	2281.9	28.9	B3/2500		G2/5000
BVH (80°-90°)	267.8	3.4			G3/500
UL (90°-100°)	149.0	1.9		U3/500	
UH (100°-180°)	91.7	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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	4.2	4.2	4.2	5.0	3.3	4.2	3.3	3.3	3.3	3.3	3.3
5°	36.8	36.0	33.5	61.9	29.3	15.1	8.4	5.0	3.3	3.3	3.3
7.5°	78.6	77.8	75.3	82.8	62.7	47.7	37.6	25.1	6.7	4.2	4.2
10°	94.5	93.7	90.3	91.2	87.8	85.3	70.3	42.7	19.2	6.7	6.7
12.5°	141.3	140.5	134.7	163.9	113.7	94.5	87.8	74.4	41.8	33.5	65.2
15°	193.2	193.2	184.8	189.0	156.4	138.0	102.0	128.0	140.5	133.8	143.0
17.5°	214.9	214.1	205.7	204.1	195.7	179.8	176.5	185.7	180.7	160.6	161.4
20°	273.5	272.7	261.8	293.6	242.5	204.1	254.3	222.5	204.9	233.3	271.0
22.5°	328.7	327.9	319.5	321.2	293.6	300.3	277.7	257.6	304.4	315.3	325.4
25°	389.8	387.2	354.6	347.9	324.5	355.5	318.7	370.5	338.7	353.8	380.6
27.5°	457.5	454.2	438.3	443.3	398.1	384.7	406.5	395.6	416.5	481.8	496.0
30°	501.0	481.8	467.5	465.0	474.2	430.7	447.5	458.3	480.9	509.4	534.4
32.5°	602.2	598.0	543.6	572.9	518.6	513.5	478.4	515.2	515.2	625.6	700.9
35°	647.4	643.2	628.1	608.9	595.5	549.5	566.2	554.5	639.8	680.8	743.5
37.5°	803.8	799.6	720.1	730.2	649.0	623.1	605.5	650.7	684.2	726.8	799.6
40°	864.8	861.5	829.7	784.5	754.4	680.0	658.2	695.9	736.8	783.7	858.1
42.5°	937.6	935.1	897.4	855.6	825.5	761.9	738.5	741.9	792.0	861.5	934.2
45°	1024.6	1024.6	1000.3	928.4	899.1	853.9	816.3	820.5	867.3	951.0	1026.2
47.5°	1124.1	1122.4	1108.2	1027.9	1005.3	936.7	906.6	920.0	956.0	1048.8	1128.3
50°	1240.3	1232.0	1231.1	1139.1	1111.5	1041.3	1012.9	1035.4	1057.2	1149.2	1235.3
52.5°	1359.9	1362.5	1363.3	1273.0	1245.4	1185.1	1144.2	1168.4	1168.4	1265.4	1359.9
55°	1502.1	1508.0	1503.8	1414.3	1418.5	1353.3	1297.2	1327.3	1316.5	1409.3	1493.8
57.5°	1685.3	1683.6	1692.0	1589.1	1602.5	1549.8	1486.2	1505.5	1488.7	1564.9	1640.1
60°	1868.5	1868.5	1890.2	1800.7	1836.7	1757.2	1716.2	1726.3	1666.9	1730.5	1797.4
62.5°	2059.2	2060.8	2092.6	2062.5	2070.9	1986.4	1960.5	1944.6	1831.7	1914.5	1960.5
65°	2252.4	2254.9	2307.6	2340.2	2278.3	2201.3	2178.8	2140.3	2019.0	2136.1	2144.5
67.5°	2448.1	2458.9	2521.7	2591.1	2496.6	2353.6	2386.2	2316.8	2191.3	2303.4	2297.5
70°	2663.0	2670.5	2713.2	2829.5	2659.7	2475.7	2510.8	2459.8	2310.9	2450.6	2461.5
72°	2719.1	2724.1	2770.1	2924.8	2709.0	2536.7	2593.6	2511.6	2364.4	2517.5	2525.9
72.5°	2715.7	2723.2	2760.9	2906.4	2707.3	2547.6	2608.7	2517.5	2363.6	2513.3	2512.5
75°	2460.6	2478.2	2535.9	2620.4	2558.5	2525.9	2656.3	2482.4	2269.1	2351.9	2332.7
77.5°	1805.7	1819.1	1902.8	1956.3	2078.4	2297.5	2532.5	2280.0	1983.9	1946.2	1882.7
80°	885.7	880.7	1048.8	972.7	1325.7	1758.1	2101.8	1804.1	1402.6	1141.7	977.7
82.5°	299.4	317.0	385.6	371.4	589.6	1014.5	1422.7	1114.1	649.9	442.4	365.5
85°	168.9	174.8	212.4	204.1	240.0	393.9	731.8	506.8	284.4	237.5	211.6
87.5°	148.9	151.4	149.7	147.2	158.9	220.8	221.6	229.2	174.0	161.4	162.3
90°	150.5	152.2	136.3	130.5	139.7	184.8	205.7	194.9	142.2	138.8	152.2
92.5°	163.1	164.8	148.0	142.2	149.7	189.9	211.6	200.7	143.9	148.0	162.3
95°	148.9	150.5	136.3	130.5	138.8	176.5	198.2	194.0	137.2	151.4	172.3
97.5°	95.3	96.2	95.3	95.3	109.6	133.8	139.7	132.1	91.2	92.8	94.5
100°	37.6	30.1	42.7	62.7	77.8	78.6	75.3	69.4	58.5	38.5	19.2
102.5°	12.5	12.5	29.3	41.0	46.0	36.8	29.3	29.3	34.3	24.3	12.5
105°	12.5	12.5	15.9	19.2	19.2	10.0	9.2	15.1	21.7	12.5	12.5
107.5°	11.7	12.5	8.4	7.5	6.7	6.7	6.7	6.7	8.4	9.2	12.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	10.0	10.0	6.7	6.7	5.9	5.0	6.7	5.9	6.7	7.5	10.0
112.5°	7.5	8.4	5.0	5.0	5.0	4.2	5.9	5.0	5.0	5.9	6.7
115°	7.5	7.5	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.0	6.7
117.5°	7.5	6.7	4.2	3.3	3.3	3.3	3.3	3.3	3.3	5.0	6.7
120°	7.5	6.7	4.2	3.3	2.5	2.5	2.5	2.5	3.3	4.2	6.7
122.5°	6.7	6.7	4.2	3.3	2.5	2.5	2.5	2.5	2.5	4.2	6.7
125°	6.7	6.7	4.2	3.3	2.5	2.5	1.7	2.5	2.5	4.2	5.9
127.5°	6.7	5.9	4.2	2.5	2.5	1.7	1.7	1.7	2.5	3.3	5.9
130°	5.9	5.9	4.2	2.5	1.7	1.7	1.7	1.7	1.7	3.3	5.0
132.5°	5.0	5.0	3.3	2.5	1.7	1.7	1.7	1.7	1.7	2.5	4.2
135°	4.2	4.2	3.3	2.5	1.7	2.5	1.7	1.7	1.7	1.7	3.3
137.5°	4.2	4.2	3.3	2.5	1.7	2.5	1.7	1.7	1.7	1.7	2.5
140°	4.2	4.2	3.3	2.5	2.5	2.5	1.7	1.7	1.7	1.7	2.5
142.5°	4.2	4.2	3.3	2.5	2.5	2.5	1.7	1.7	1.7	2.5	2.5
145°	4.2	4.2	4.2	3.3	2.5	2.5	1.7	1.7	2.5	2.5	3.3
147.5°	5.0	5.0	4.2	3.3	2.5	1.7	1.7	1.7	2.5	3.3	3.3
150°	4.2	4.2	3.3	2.5	2.5	1.7	0.8	0.8	1.7	3.3	3.3
152.5°	3.3	3.3	2.5	1.7	1.7	0.8	0.0	0.8	1.7	2.5	3.3
155°	2.5	1.7	1.7	0.8	0.8	0.0	0.0	0.0	0.8	1.7	2.5
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°	3.3
2.5°	3.3
5°	3.3
7.5°	4.2
10°	6.7
12.5°	66.9
15°	143.9
17.5°	161.4
20°	292.7
22.5°	329.5
25°	388.9
27.5°	507.7
30°	539.5
32.5°	718.4
35°	756.9
37.5°	808.8
40°	864.8
42.5°	936.7
45°	1026.2
47.5°	1129.9
50°	1232.8
52.5°	1356.6
55°	1499.6
57.5°	1636.0
60°	1792.4
62.5°	1949.6
65°	2144.5
67.5°	2297.5
70°	2465.6
72°	2528.4
72.5°	2513.3
75°	2336.0
77.5°	1888.5
80°	959.3
82.5°	339.6
85°	208.3
87.5°	158.9
90°	149.7
92.5°	159.7
95°	169.8
97.5°	90.3
100°	13.4
102.5°	13.4
105°	13.4
107.5°	13.4



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CANDELA DISTRIBUTION (continued):

	90°
110°	10.9
112.5°	7.5
115°	7.5
117.5°	7.5
120°	7.5
122.5°	7.5
125°	6.7
127.5°	5.9
130°	5.0
132.5°	4.2
135°	3.3
137.5°	2.5
140°	2.5
142.5°	2.5
145°	3.3
147.5°	3.3
150°	3.3
152.5°	3.3
155°	2.5
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)