

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: P415853

Luminaire Tested: **LXF.LXT-PA1-60-730-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415853
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-PA1-60-730-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 7013 lumens
Efficiency: N/A
Efficacy: 109.6 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

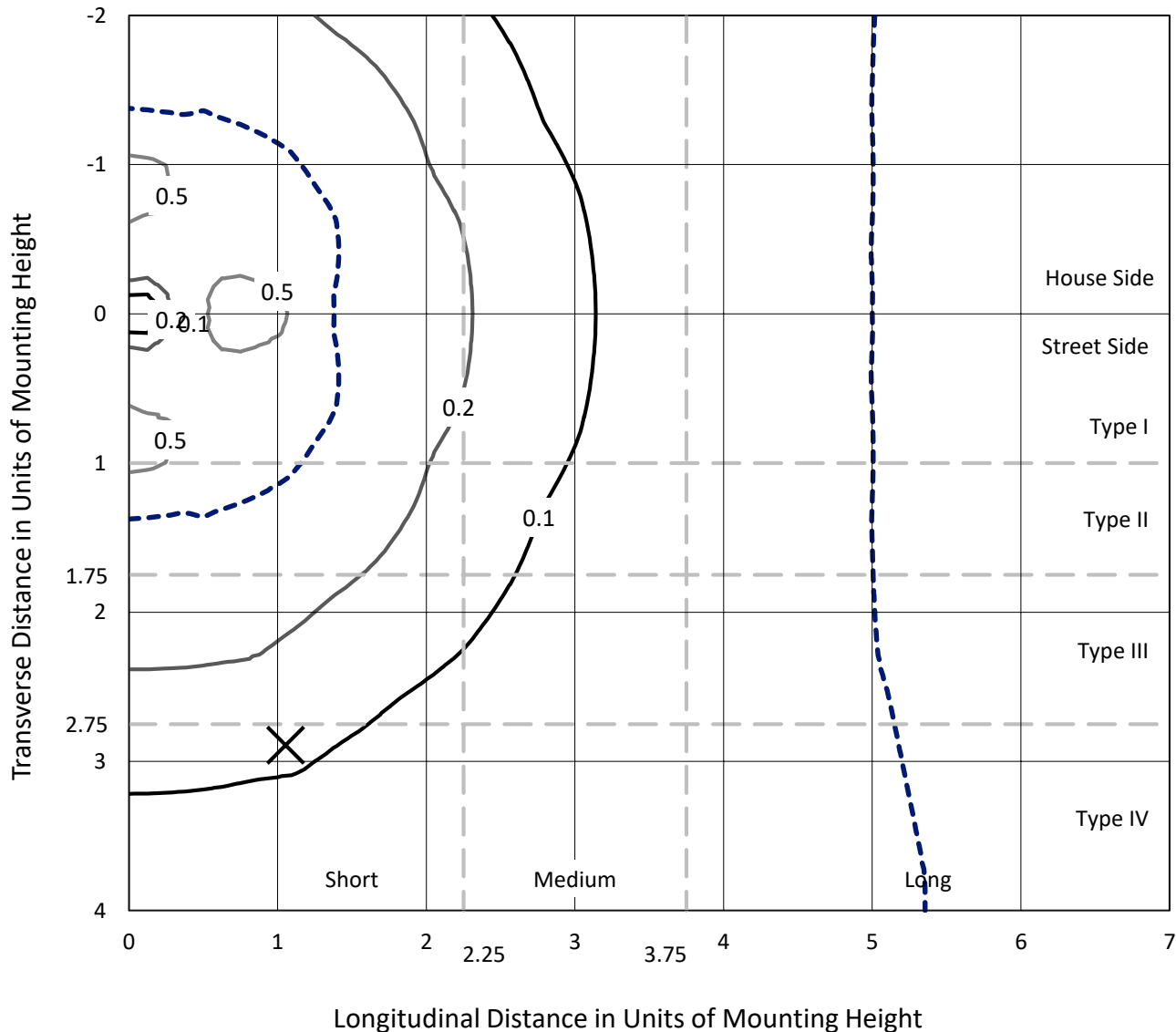
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

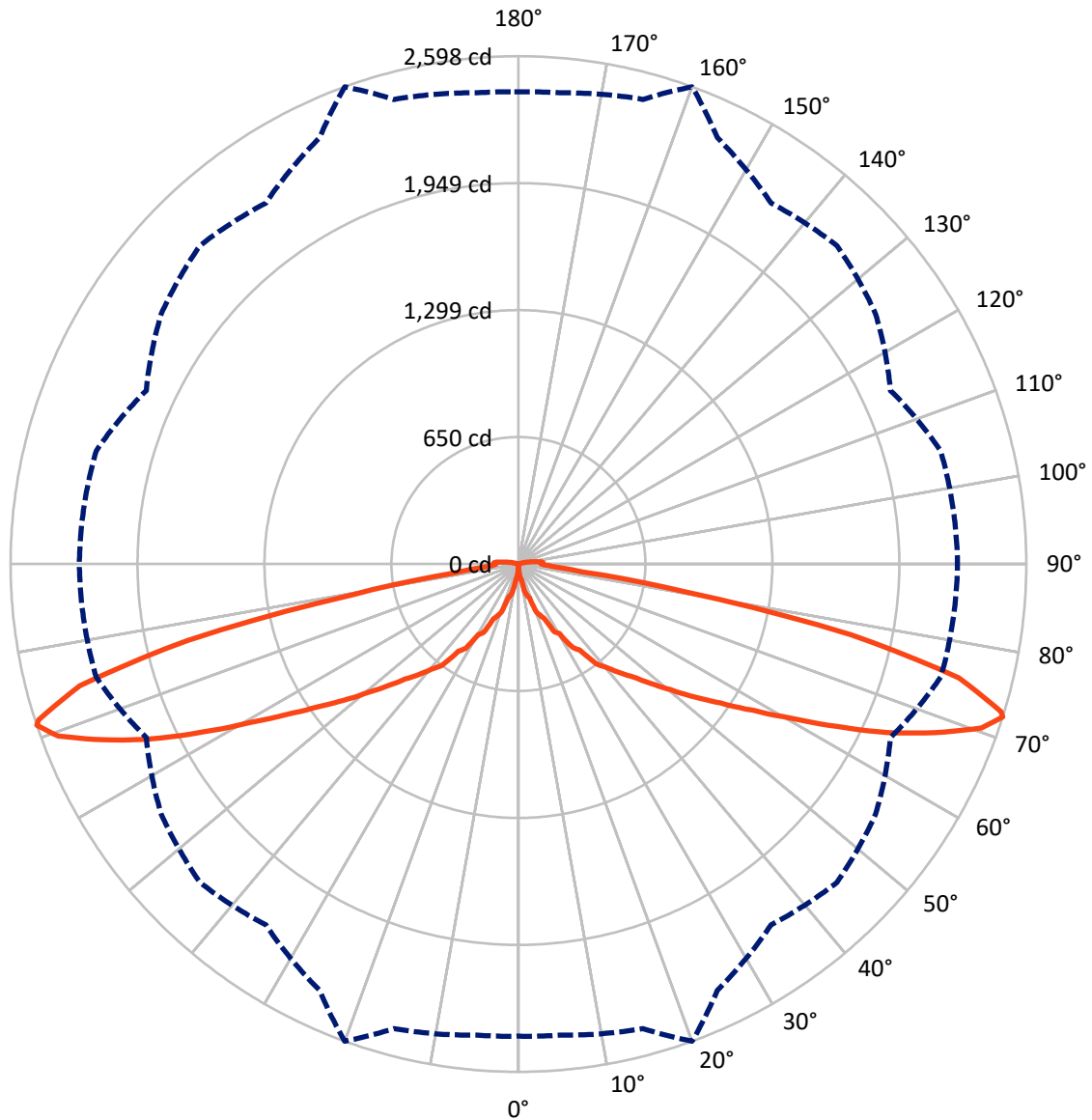
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	3425.0	81.5	3506.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	3425.0	81.5	3506.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	6850.0	163.0	7013.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.0
10°-20°	38.4	0.5
20°-30°	152.0	2.2
30°-40°	351.8	5.0
40°-50°	640.2	9.1
50°-60°	1135.2	16.2
60°-70°	1920.3	27.4
70°-80°	2133.7	30.4
80°-90°	475.7	6.8
90°-100°	132.4	1.9
100°-110°	19.5	0.3
110°-120°	4.6	0.1
120°-130°	2.8	0.0
130°-140°	1.7	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°	6850.0	97.7
0°-180°	7013.0	100.0



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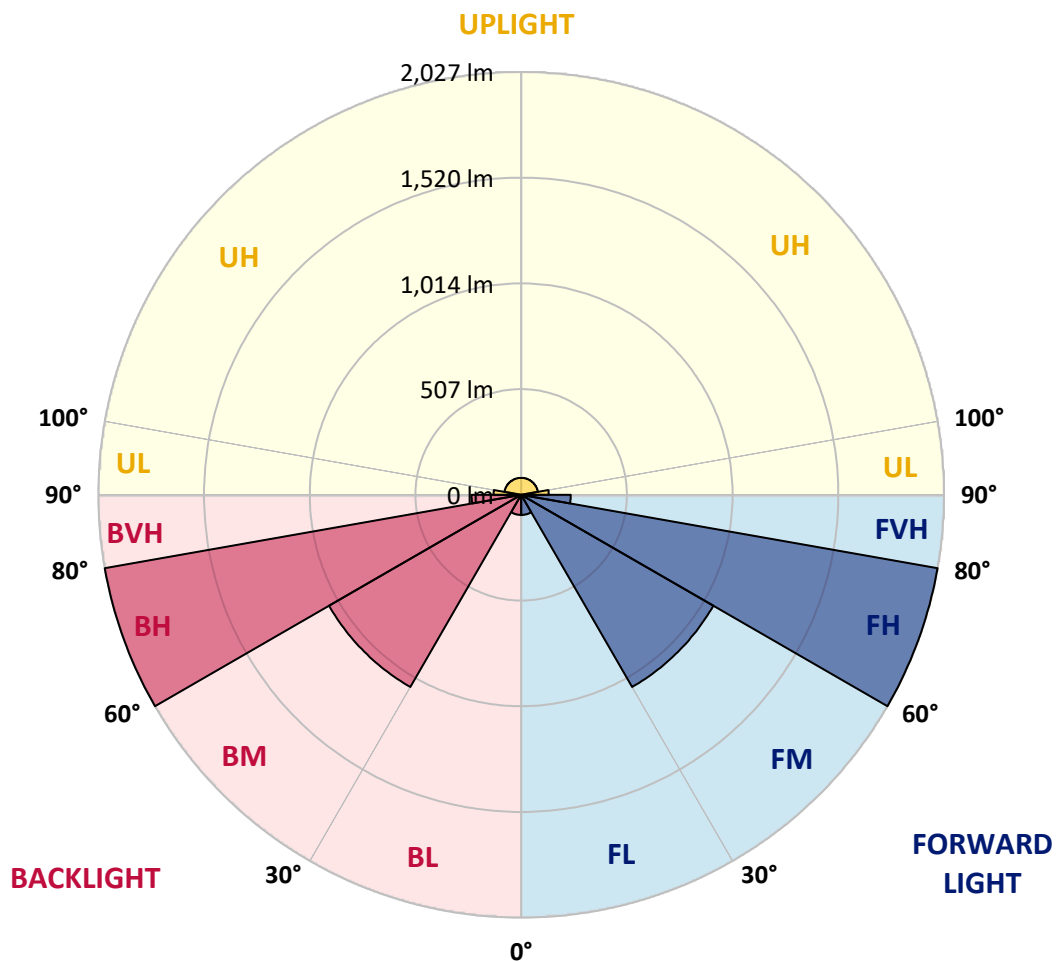
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.5	1.4			
FM	(30°-60°)	1063.6	15.2			
FH	(60°-80°)	2027.0	28.9			G2/5000
FVH	(80°-90°)	237.9	3.4			G3/500
BL	(0°-30°)	96.5	1.4	B0/110		
BM	(30°-60°)	1063.6	15.2	B2/2500		
BH	(60°-80°)	2027.0	28.9	B3/2500		G2/5000
BVH	(80°-90°)	237.9	3.4			G3/500
UL	(90°-100°)	132.4	1.9		U3/500	
UH	(100°-180°)	81.5	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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	3.7	3.7	3.7	4.5	3.0	3.7	3.0	3.0	3.0	3.0	3.0
5°	32.7	31.9	29.7	55.0	26.0	13.4	7.4	4.5	3.0	3.0	3.0
7.5°	69.8	69.1	66.9	73.6	55.7	42.3	33.4	22.3	5.9	3.7	3.7
10°	84.0	83.2	80.2	81.0	78.0	75.8	62.4	37.9	17.1	5.9	5.9
12.5°	125.6	124.8	119.6	145.6	101.0	84.0	78.0	66.1	37.1	29.7	57.9
15°	171.6	171.6	164.2	167.9	138.9	122.6	90.6	113.7	124.8	118.9	127.0
17.5°	190.9	190.2	182.8	181.3	173.8	159.7	156.8	164.9	160.5	142.6	143.4
20°	242.9	242.2	232.5	260.8	215.5	181.3	225.9	197.6	182.0	207.3	240.7
22.5°	292.0	291.2	283.8	285.3	260.8	266.7	246.7	228.8	270.4	280.1	289.0
25°	346.2	344.0	315.0	309.1	288.3	315.7	283.1	329.1	300.9	314.3	338.0
27.5°	406.4	403.4	389.3	393.8	353.6	341.8	361.1	351.4	370.0	427.9	440.6
30°	445.0	427.9	415.3	413.1	421.2	382.6	397.5	407.1	427.2	452.4	474.7
32.5°	534.9	531.2	482.9	508.9	460.6	456.2	425.0	457.7	457.7	555.7	622.6
35°	575.0	571.3	557.9	540.9	529.0	488.1	503.0	492.6	568.3	604.8	660.5
37.5°	714.0	710.2	639.7	648.6	576.5	553.5	537.9	578.0	607.7	645.6	710.2
40°	768.2	765.2	737.0	696.9	670.1	604.0	584.7	618.1	654.5	696.1	762.3
42.5°	832.8	830.6	797.2	760.0	733.3	676.8	656.0	659.0	703.6	765.2	829.9
45°	910.1	910.1	888.6	824.7	798.7	758.5	725.1	728.8	770.4	844.7	911.6
47.5°	998.5	997.0	984.4	913.1	893.0	832.1	805.3	817.2	849.2	931.6	1002.2
50°	1101.8	1094.3	1093.6	1011.9	987.4	925.0	899.7	919.8	939.1	1020.8	1097.3
52.5°	1208.0	1210.2	1211.0	1130.8	1106.2	1052.7	1016.3	1037.9	1037.9	1124.1	1208.0
55°	1334.3	1339.5	1335.8	1256.3	1260.0	1202.1	1152.3	1179.0	1169.4	1251.9	1326.9
57.5°	1497.0	1495.5	1503.0	1411.6	1423.5	1376.7	1320.2	1337.3	1322.4	1390.0	1456.9
60°	1659.7	1659.7	1679.0	1599.5	1631.5	1560.9	1524.5	1533.4	1480.7	1537.1	1596.6
62.5°	1829.1	1830.6	1858.8	1832.1	1839.5	1764.5	1741.4	1727.3	1627.0	1700.6	1741.4
65°	2000.7	2003.0	2049.8	2078.7	2023.8	1955.4	1935.4	1901.2	1793.5	1897.5	1904.9
67.5°	2174.6	2184.2	2240.0	2301.6	2217.7	2090.6	2119.6	2057.9	1946.5	2046.1	2040.9
70°	2365.5	2372.2	2410.1	2513.4	2362.5	2199.1	2230.3	2185.0	2052.7	2176.8	2186.5
72°	2415.3	2419.8	2460.6	2598.1	2406.4	2253.3	2303.9	2231.0	2100.3	2236.2	2243.7
72.5°	2412.3	2419.0	2452.4	2581.7	2404.9	2263.0	2317.2	2236.2	2099.5	2232.5	2231.8
75°	2185.7	2201.3	2252.6	2327.6	2272.6	2243.7	2359.6	2205.0	2015.6	2089.1	2072.1
77.5°	1604.0	1615.9	1690.2	1737.7	1846.2	2040.9	2249.6	2025.3	1762.3	1728.8	1672.4
80°	786.8	782.3	931.6	864.0	1177.6	1561.7	1867.0	1602.5	1245.9	1014.1	868.5
82.5°	266.0	281.6	342.5	329.9	523.8	901.2	1263.7	989.6	577.3	393.0	324.7
85°	150.1	155.3	188.7	181.3	213.2	349.9	650.1	450.2	252.6	211.0	188.0
87.5°	132.2	134.5	133.0	130.8	141.2	196.1	196.9	203.6	154.5	143.4	144.1
90°	133.7	135.2	121.1	115.9	124.1	164.2	182.8	173.1	126.3	123.3	135.2
92.5°	144.9	146.4	131.5	126.3	133.0	168.6	188.0	178.3	127.8	131.5	144.1
95°	132.2	133.7	121.1	115.9	123.3	156.8	176.1	172.4	121.8	134.5	153.0
97.5°	84.7	85.4	84.7	84.7	97.3	118.9	124.1	117.4	81.0	82.5	84.0
100°	33.4	26.7	37.9	55.7	69.1	69.8	66.9	61.7	52.0	34.2	17.1
102.5°	11.1	11.1	26.0	36.4	40.9	32.7	26.0	26.0	30.5	21.5	11.1
105°	11.1	11.1	14.1	17.1	17.1	8.9	8.2	13.4	19.3	11.1	11.1
107.5°	10.4	11.1	7.4	6.7	5.9	5.9	5.9	5.9	7.4	8.2	11.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	8.9	8.9	5.9	5.9	5.2	4.5	5.9	5.2	5.9	6.7	8.9
112.5°	6.7	7.4	4.5	4.5	4.5	3.7	5.2	4.5	4.5	5.2	5.9
115°	6.7	6.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.5	5.9
117.5°	6.7	5.9	3.7	3.0	3.0	3.0	3.0	3.0	3.0	4.5	5.9
120°	6.7	5.9	3.7	3.0	2.2	2.2	2.2	2.2	3.0	3.7	5.9
122.5°	5.9	5.9	3.7	3.0	2.2	2.2	2.2	2.2	2.2	3.7	5.9
125°	5.9	5.9	3.7	3.0	2.2	2.2	1.5	2.2	2.2	3.7	5.2
127.5°	5.9	5.2	3.7	2.2	2.2	1.5	1.5	1.5	2.2	3.0	5.2
130°	5.2	5.2	3.7	2.2	1.5	1.5	1.5	1.5	1.5	3.0	4.5
132.5°	4.5	4.5	3.0	2.2	1.5	1.5	1.5	1.5	1.5	2.2	3.7
135°	3.7	3.7	3.0	2.2	1.5	2.2	1.5	1.5	1.5	1.5	3.0
137.5°	3.7	3.7	3.0	2.2	1.5	2.2	1.5	1.5	1.5	1.5	2.2
140°	3.7	3.7	3.0	2.2	2.2	2.2	1.5	1.5	1.5	1.5	2.2
142.5°	3.7	3.7	3.0	2.2	2.2	2.2	1.5	1.5	1.5	2.2	2.2
145°	3.7	3.7	3.7	3.0	2.2	2.2	1.5	1.5	2.2	2.2	3.0
147.5°	4.5	4.5	3.7	3.0	2.2	1.5	1.5	1.5	2.2	3.0	3.0
150°	3.7	3.7	3.0	2.2	2.2	1.5	0.7	0.7	1.5	3.0	3.0
152.5°	3.0	3.0	2.2	1.5	1.5	0.7	0.0	0.7	1.5	2.2	3.0
155°	2.2	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.7	1.5	2.2
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°	3.0
2.5°	3.0
5°	3.0
7.5°	3.7
10°	5.9
12.5°	59.4
15°	127.8
17.5°	143.4
20°	260.0
22.5°	292.7
25°	345.5
27.5°	451.0
30°	479.2
32.5°	638.2
35°	672.4
37.5°	718.4
40°	768.2
42.5°	832.1
45°	911.6
47.5°	1003.7
50°	1095.1
52.5°	1205.0
55°	1332.1
57.5°	1453.2
60°	1592.1
62.5°	1731.8
65°	1904.9
67.5°	2040.9
70°	2190.2
72°	2245.9
72.5°	2232.5
75°	2075.0
77.5°	1677.6
80°	852.2
82.5°	301.6
85°	185.0
87.5°	141.2
90°	133.0
92.5°	141.9
95°	150.8
97.5°	80.2
100°	11.9
102.5°	11.9
105°	11.9
107.5°	11.9



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CANDELA DISTRIBUTION (continued):

	90°
110°	9.7
112.5°	6.7
115°	6.7
117.5°	6.7
120°	6.7
122.5°	6.7
125°	5.9
127.5°	5.2
130°	4.5
132.5°	3.7
135°	3.0
137.5°	2.2
140°	2.2
142.5°	2.2
145°	3.0
147.5°	3.0
150°	3.0
152.5°	3.0
155°	2.2
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)