

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: P416529

Luminaire Tested: **LXF.LXT-PA1-70-830-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416529
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-PA1-70-830-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 6863 lumens
Efficiency: N/A
Efficacy: 92.7 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

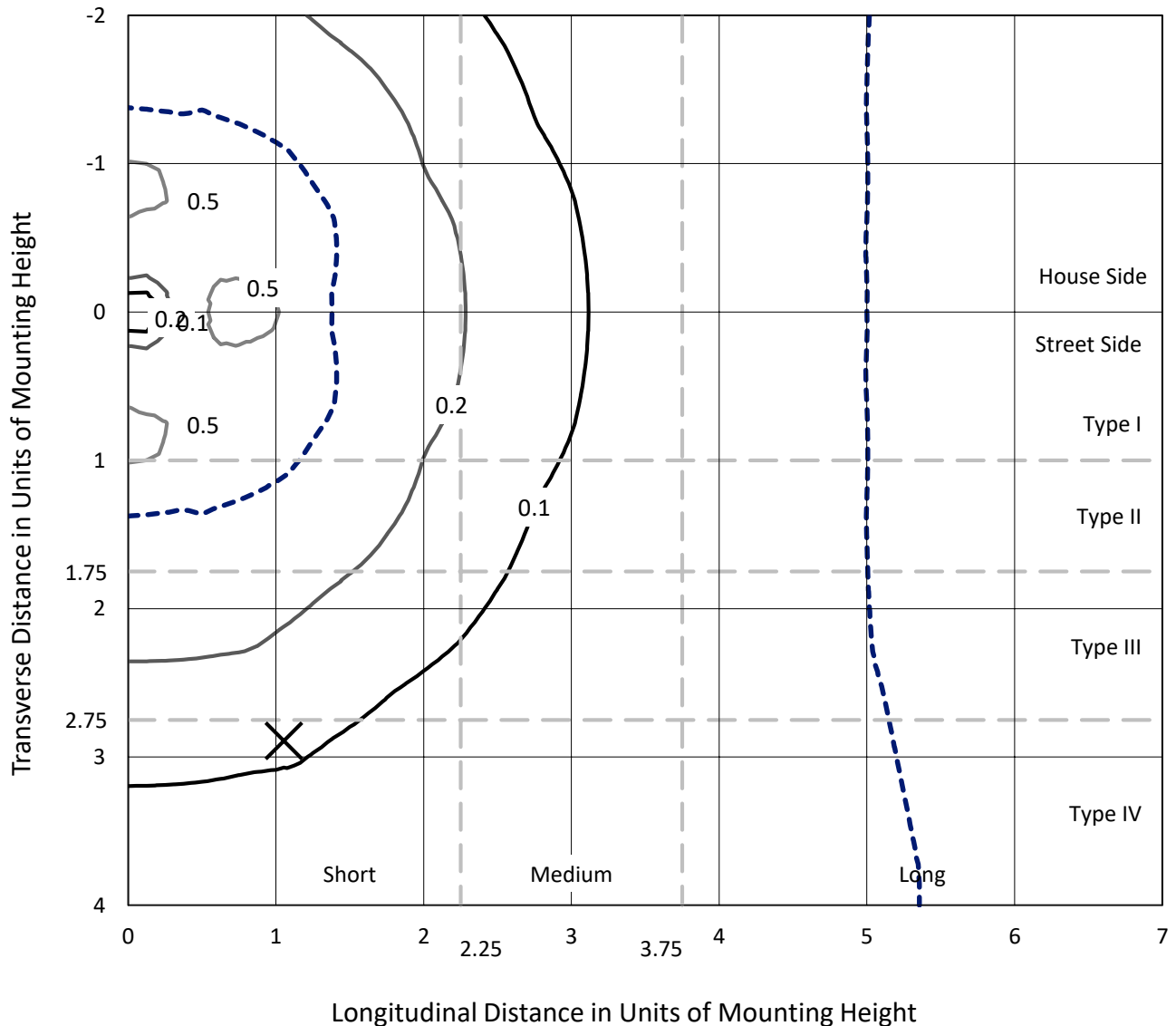
Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

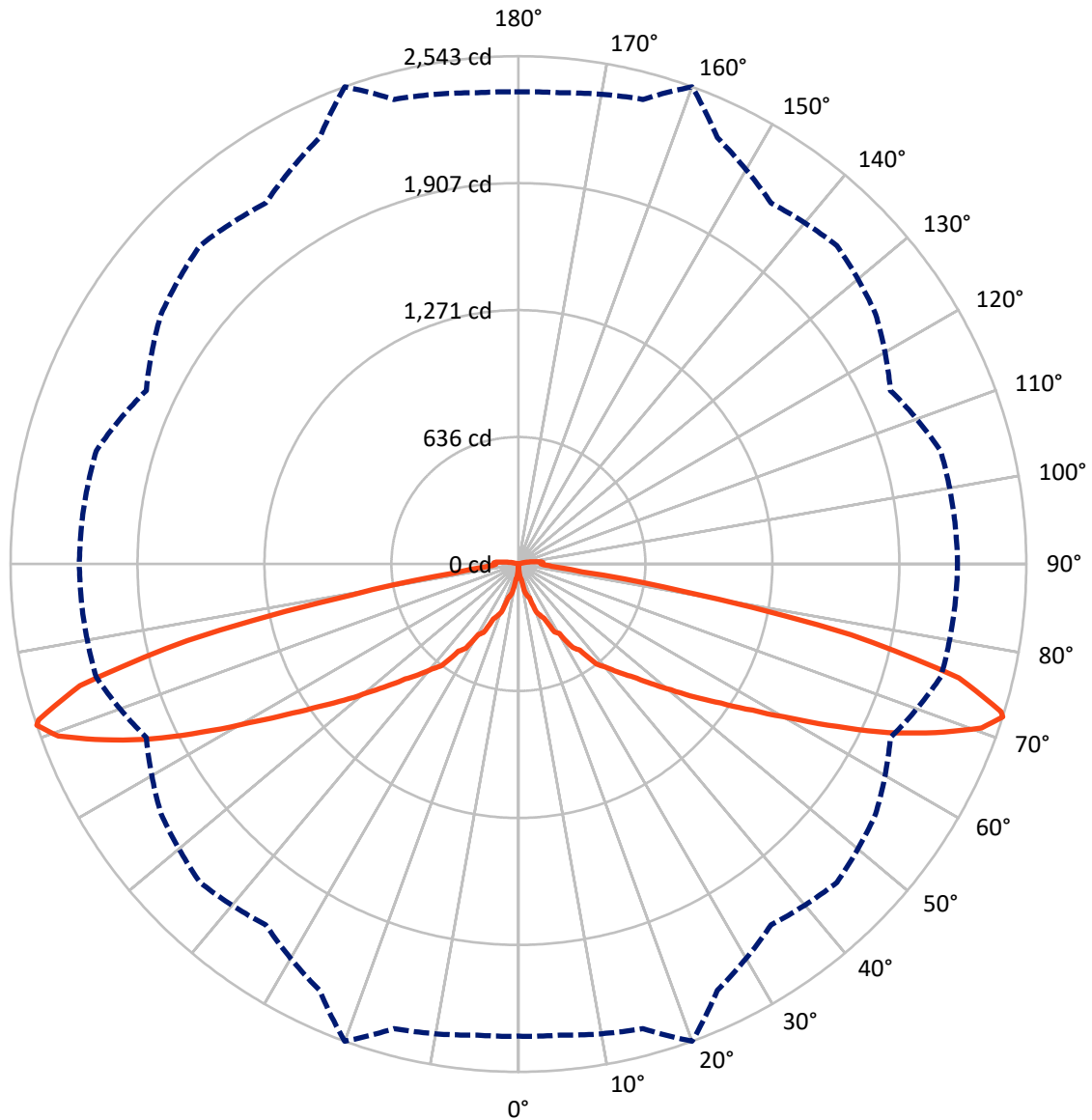
× Max cd
 - - - 1/2 Max cd



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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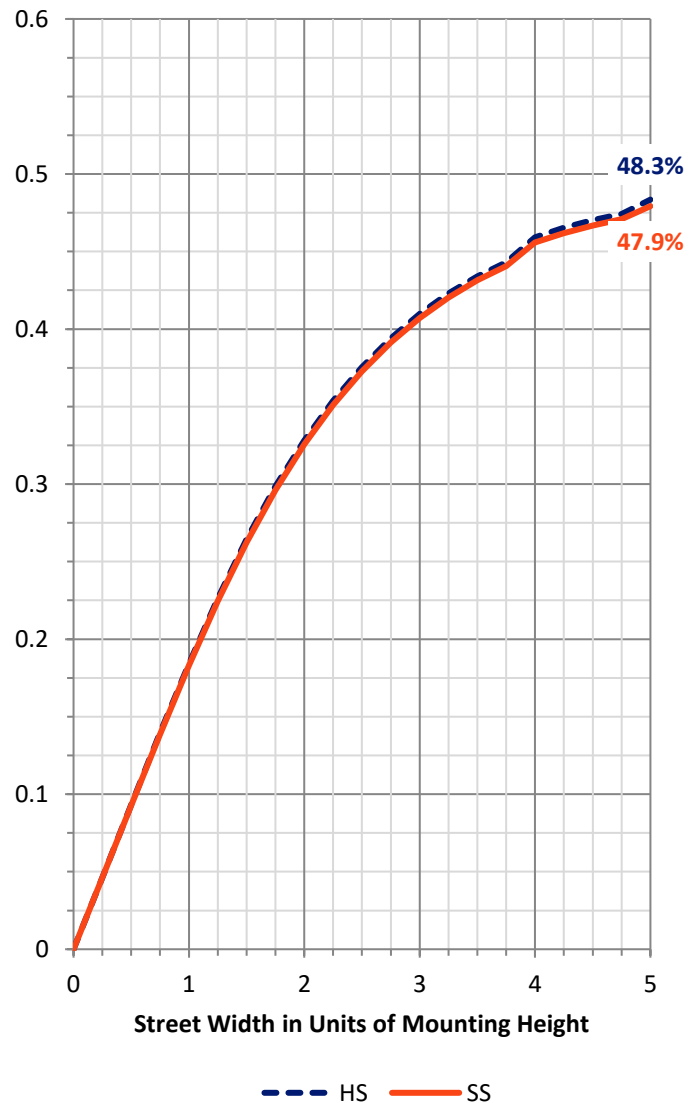
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3351.8	79.8	3431.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	3351.8	79.8	3431.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	6703.5	159.5	6863.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.0
10°-20°	37.6	0.5
20°-30°	148.7	2.2
30°-40°	344.3	5.0
40°-50°	626.5	9.1
50°-60°	1110.9	16.2
60°-70°	1879.2	27.4
70°-80°	2088.1	30.4
80°-90°	465.5	6.8
90°-100°	129.6	1.9
100°-110°	19.1	0.3
110°-120°	4.4	0.1
120°-130°	2.8	0.0
130°-140°	1.7	0.0
140°-150°	1.4	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6703.5	97.7
0°-180°	6863.0	100.0



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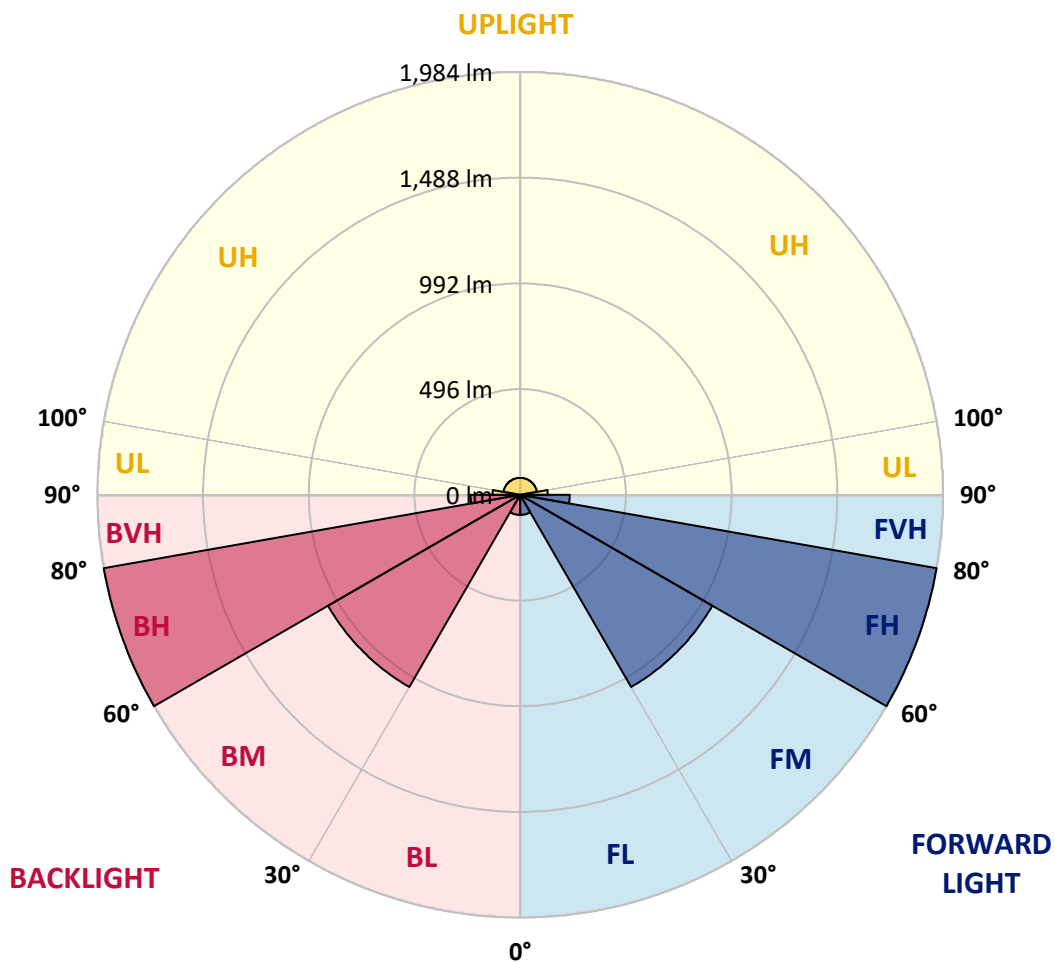
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.5	1.4			
FM (30°-60°)	1040.9	15.2			
FH (60°-80°)	1983.7	28.9			G2/5000
FVH (80°-90°)	232.8	3.4			G3/500
BL (0°-30°)	94.5	1.4	B0/110		
BM (30°-60°)	1040.9	15.2	B2/2500		
BH (60°-80°)	1983.7	28.9	B3/2500		G2/5000
BVH (80°-90°)	232.8	3.4			G3/500
UL (90°-100°)	129.6	1.9		U3/500	
UH (100°-180°)	79.8	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°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	3.6	3.6	3.6	4.4	2.9	3.6	2.9	2.9	2.9	2.9	2.9
5°	32.0	31.3	29.1	53.8	25.4	13.1	7.3	4.4	2.9	2.9	2.9
7.5°	68.3	67.6	65.4	72.0	54.5	41.4	32.7	21.8	5.8	3.6	3.6
10°	82.2	81.4	78.5	79.2	76.3	74.2	61.1	37.1	16.7	5.8	5.8
12.5°	122.9	122.1	117.1	142.5	98.9	82.2	76.3	64.7	36.4	29.1	56.7
15°	167.9	167.9	160.7	164.3	136.0	120.0	88.7	111.2	122.1	116.3	124.3
17.5°	186.9	186.1	178.9	177.4	170.1	156.3	153.4	161.4	157.0	139.6	140.3
20°	237.7	237.0	227.6	255.2	210.8	177.4	221.0	193.4	178.1	202.8	235.6
22.5°	285.7	285.0	277.7	279.2	255.2	261.0	241.4	223.9	264.6	274.1	282.8
25°	338.8	336.6	308.3	302.5	282.1	309.0	277.0	322.1	294.5	307.5	330.8
27.5°	397.7	394.8	381.0	385.3	346.1	334.4	353.3	343.9	362.1	418.8	431.1
30°	435.5	418.8	406.4	404.2	412.2	374.4	389.0	398.4	418.1	442.8	464.6
32.5°	523.5	519.8	472.6	498.0	450.8	446.4	415.9	447.9	447.9	543.8	609.3
35°	562.7	559.1	546.0	529.3	517.7	477.7	492.2	482.0	556.2	591.8	646.3
37.5°	698.7	695.1	626.0	634.7	564.2	541.7	526.4	565.6	594.7	631.8	695.1
40°	751.8	748.9	721.2	682.0	655.8	591.1	572.2	604.9	640.5	681.2	746.0
42.5°	815.0	812.8	780.1	743.8	717.6	662.3	642.0	644.9	688.5	748.9	812.1
45°	890.6	890.6	869.5	807.0	781.6	742.3	709.6	713.2	753.9	826.7	892.1
47.5°	977.2	975.7	963.3	893.5	873.9	814.3	788.1	799.8	831.0	911.7	980.8
50°	1078.2	1070.9	1070.2	990.2	966.2	905.2	880.5	900.1	919.0	999.0	1073.9
52.5°	1182.2	1184.4	1185.1	1106.6	1082.6	1030.2	994.6	1015.7	1015.7	1100.0	1182.2
55°	1305.8	1310.9	1307.2	1229.4	1233.1	1176.4	1127.7	1153.8	1144.4	1225.1	1298.5
57.5°	1465.0	1463.5	1470.8	1381.4	1393.0	1347.2	1292.0	1308.7	1294.1	1360.3	1425.7
60°	1624.2	1624.2	1643.1	1565.3	1596.6	1527.5	1491.9	1500.6	1449.0	1504.3	1562.4
62.5°	1790.0	1791.4	1819.1	1792.9	1800.2	1726.7	1704.2	1690.4	1592.2	1664.2	1704.2
65°	1957.9	1960.1	2005.9	2034.3	1980.5	1913.6	1894.0	1860.5	1755.1	1856.9	1864.2
67.5°	2128.1	2137.5	2192.1	2252.4	2170.2	2045.9	2074.3	2013.9	1904.9	2002.3	1997.2
70°	2314.9	2321.5	2358.5	2459.6	2312.0	2152.1	2182.6	2138.2	2008.8	2130.3	2139.7
72°	2363.6	2368.0	2408.0	2542.5	2354.9	2205.1	2254.6	2183.3	2055.4	2188.4	2195.7
72.5°	2360.7	2367.3	2400.0	2526.5	2353.5	2214.6	2267.7	2188.4	2054.6	2184.8	2184.1
75°	2139.0	2154.2	2204.4	2277.8	2224.0	2195.7	2309.1	2157.9	1972.5	2044.5	2027.7
77.5°	1569.7	1581.3	1654.0	1700.6	1806.7	1997.2	2201.5	1981.9	1724.6	1691.8	1636.6
80°	769.9	765.6	911.7	845.6	1152.4	1528.3	1827.1	1568.2	1219.3	992.4	849.9
82.5°	260.3	275.6	335.2	322.8	512.6	881.9	1236.7	968.4	564.9	384.6	317.7
85°	146.9	152.0	184.7	177.4	208.7	342.4	636.2	440.6	247.2	206.5	183.9
87.5°	129.4	131.6	130.1	128.0	138.1	191.9	192.7	199.2	151.2	140.3	141.0
90°	130.9	132.3	118.5	113.4	121.4	160.7	178.9	169.4	123.6	120.7	132.3
92.5°	141.8	143.2	128.7	123.6	130.1	165.0	183.9	174.5	125.1	128.7	141.0
95°	129.4	130.9	118.5	113.4	120.7	153.4	172.3	168.7	119.2	131.6	149.8
97.5°	82.9	83.6	82.9	82.9	95.2	116.3	121.4	114.9	79.2	80.7	82.2
100°	32.7	26.2	37.1	54.5	67.6	68.3	65.4	60.3	50.9	33.4	16.7
102.5°	10.9	10.9	25.4	35.6	40.0	32.0	25.4	25.4	29.8	21.1	10.9
105°	10.9	10.9	13.8	16.7	16.7	8.7	8.0	13.1	18.9	10.9	10.9
107.5°	10.2	10.9	7.3	6.5	5.8	5.8	5.8	5.8	7.3	8.0	10.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	8.7	8.7	5.8	5.8	5.1	4.4	5.8	5.1	5.8	6.5	8.7
112.5°	6.5	7.3	4.4	4.4	4.4	3.6	5.1	4.4	4.4	5.1	5.8
115°	6.5	6.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.4	5.8
117.5°	6.5	5.8	3.6	2.9	2.9	2.9	2.9	2.9	2.9	4.4	5.8
120°	6.5	5.8	3.6	2.9	2.2	2.2	2.2	2.2	2.9	3.6	5.8
122.5°	5.8	5.8	3.6	2.9	2.2	2.2	2.2	2.2	2.2	3.6	5.8
125°	5.8	5.8	3.6	2.9	2.2	2.2	1.5	2.2	2.2	3.6	5.1
127.5°	5.8	5.1	3.6	2.2	2.2	1.5	1.5	1.5	2.2	2.9	5.1
130°	5.1	5.1	3.6	2.2	1.5	1.5	1.5	1.5	1.5	2.9	4.4
132.5°	4.4	4.4	2.9	2.2	1.5	1.5	1.5	1.5	1.5	2.2	3.6
135°	3.6	3.6	2.9	2.2	1.5	2.2	1.5	1.5	1.5	1.5	2.9
137.5°	3.6	3.6	2.9	2.2	1.5	2.2	1.5	1.5	1.5	1.5	2.2
140°	3.6	3.6	2.9	2.2	2.2	2.2	1.5	1.5	1.5	1.5	2.2
142.5°	3.6	3.6	2.9	2.2	2.2	2.2	1.5	1.5	1.5	2.2	2.2
145°	3.6	3.6	3.6	2.9	2.2	2.2	1.5	1.5	2.2	2.2	2.9
147.5°	4.4	4.4	3.6	2.9	2.2	1.5	1.5	1.5	2.2	2.9	2.9
150°	3.6	3.6	2.9	2.2	2.2	1.5	0.7	0.7	1.5	2.9	2.9
152.5°	2.9	2.9	2.2	1.5	1.5	0.7	0.0	0.7	1.5	2.2	2.9
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°	2.9
2.5°	2.9
5°	2.9
7.5°	3.6
10°	5.8
12.5°	58.2
15°	125.1
17.5°	140.3
20°	254.5
22.5°	286.5
25°	338.1
27.5°	441.3
30°	468.9
32.5°	624.5
35°	658.0
37.5°	703.1
40°	751.8
42.5°	814.3
45°	892.1
47.5°	982.2
50°	1071.7
52.5°	1179.3
55°	1303.6
57.5°	1422.1
60°	1558.1
62.5°	1694.7
65°	1864.2
67.5°	1997.2
70°	2143.3
72°	2197.9
72.5°	2184.8
75°	2030.6
77.5°	1641.7
80°	833.9
82.5°	295.2
85°	181.0
87.5°	138.1
90°	130.1
92.5°	138.9
95°	147.6
97.5°	78.5
100°	11.6
102.5°	11.6
105°	11.6
107.5°	11.6



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CANDELA DISTRIBUTION (continued):

	90°
110°	9.5
112.5°	6.5
115°	6.5
117.5°	6.5
120°	6.5
122.5°	6.5
125°	5.8
127.5°	5.1
130°	4.4
132.5°	3.6
135°	2.9
137.5°	2.2
140°	2.2
142.5°	2.2
145°	2.9
147.5°	2.9
150°	2.9
152.5°	2.9
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)