

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: P415021

Luminaire Tested: **LXF.LXT-PA1-40-730-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415021
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-PA1-40-730-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA 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: 4707.1 lumens
Efficiency: N/A
Efficacy: 117.7 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 - G2

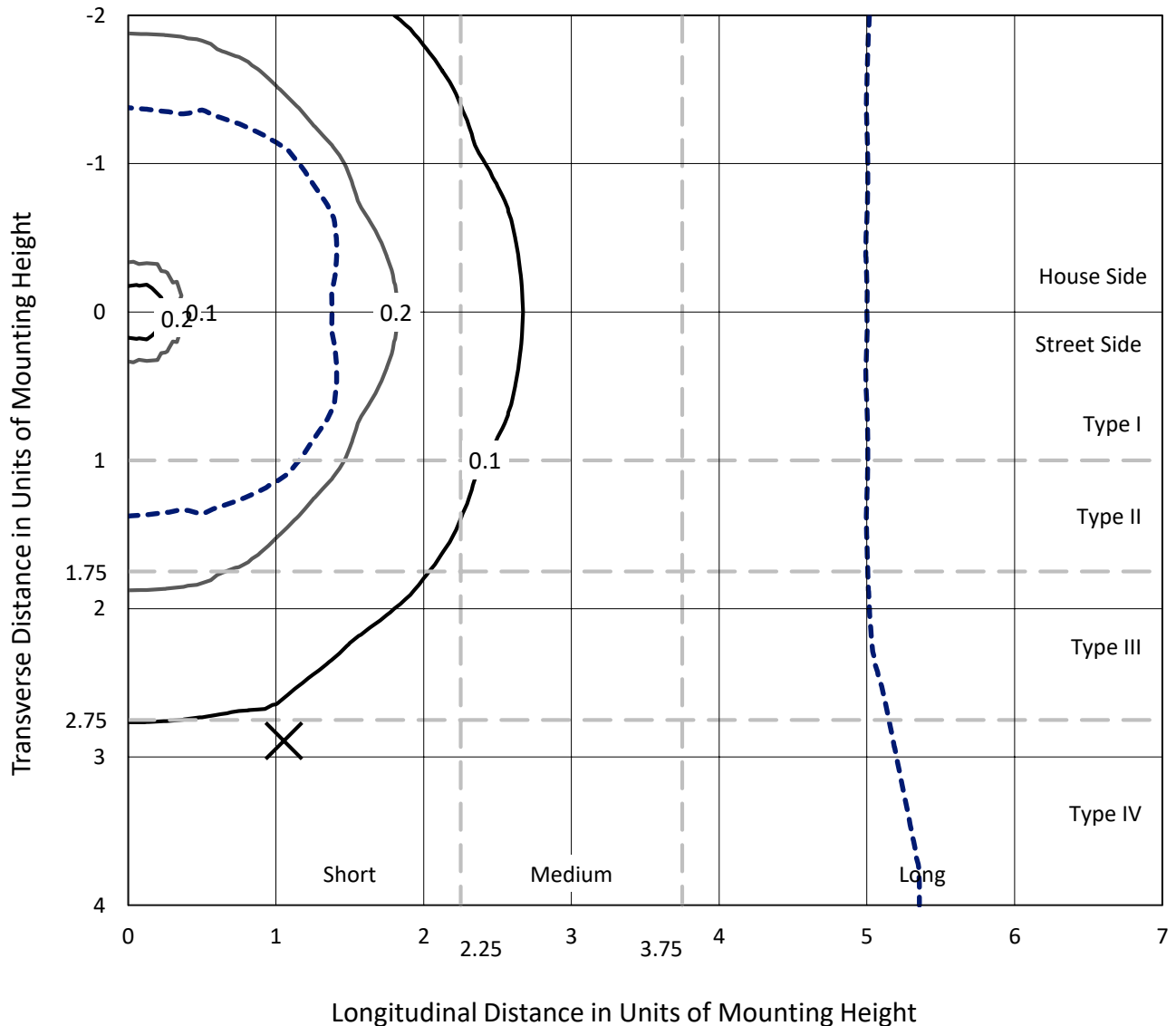
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

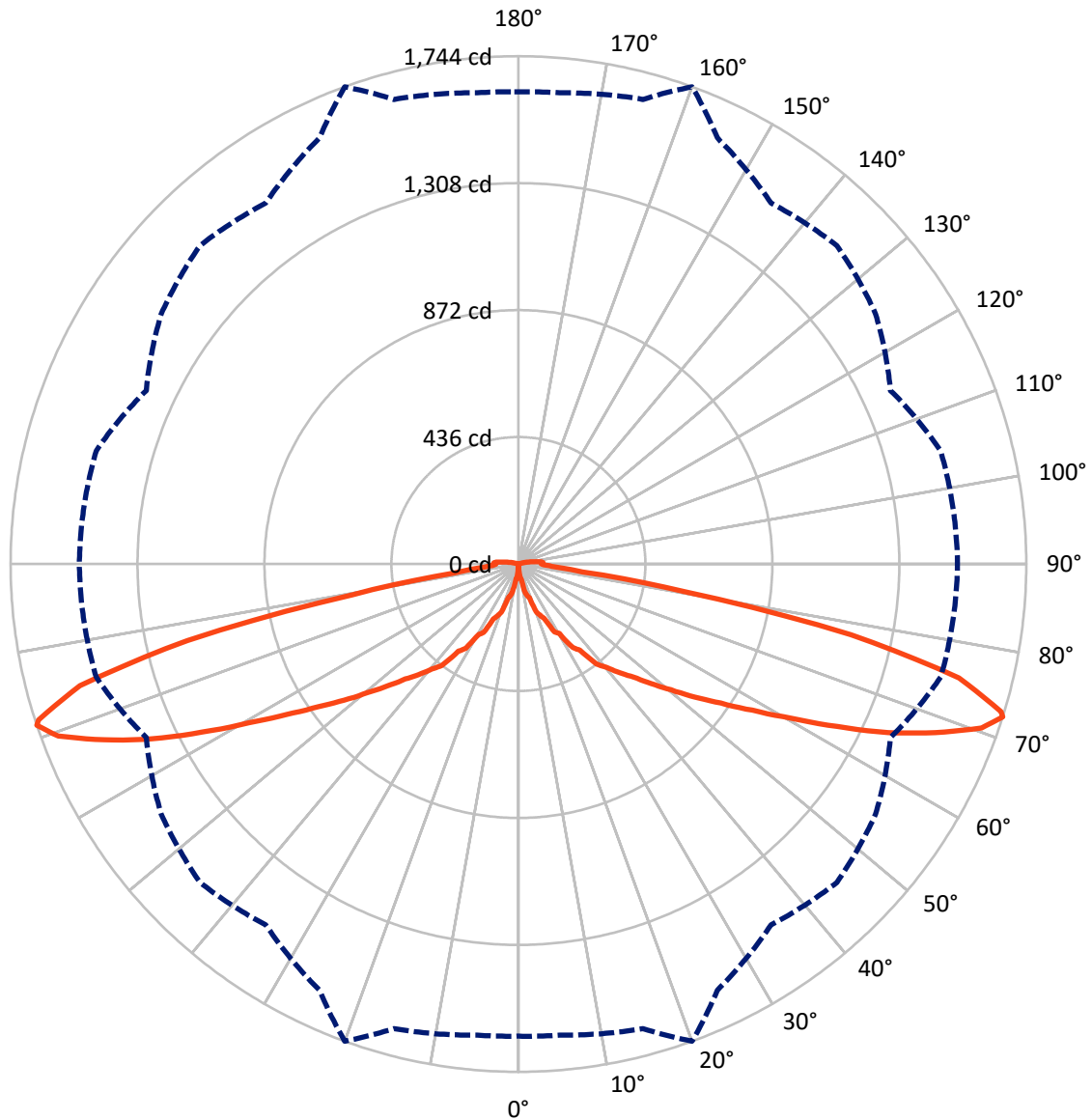
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 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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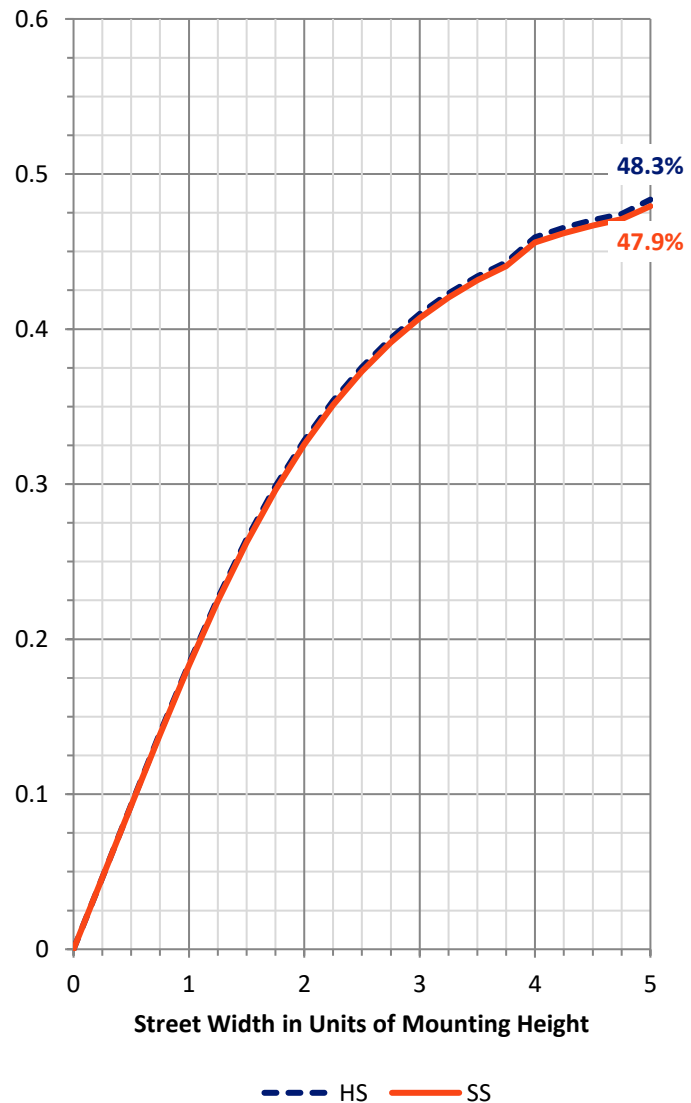
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2298.8	54.7	2353.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	2298.8	54.7	2353.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	4597.6	109.4	4707.1
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.0
10°-20°	25.8	0.5
20°-30°	102.0	2.2
30°-40°	236.1	5.0
40°-50°	429.7	9.1
50°-60°	761.9	16.2
60°-70°	1288.9	27.4
70°-80°	1432.1	30.4
80°-90°	319.3	6.8
90°-100°	88.9	1.9
100°-110°	13.1	0.3
110°-120°	3.1	0.1
120°-130°	1.9	0.0
130°-140°	1.2	0.0
140°-150°	1.0	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4597.6	97.7
0°-180°	4707.1	100.0



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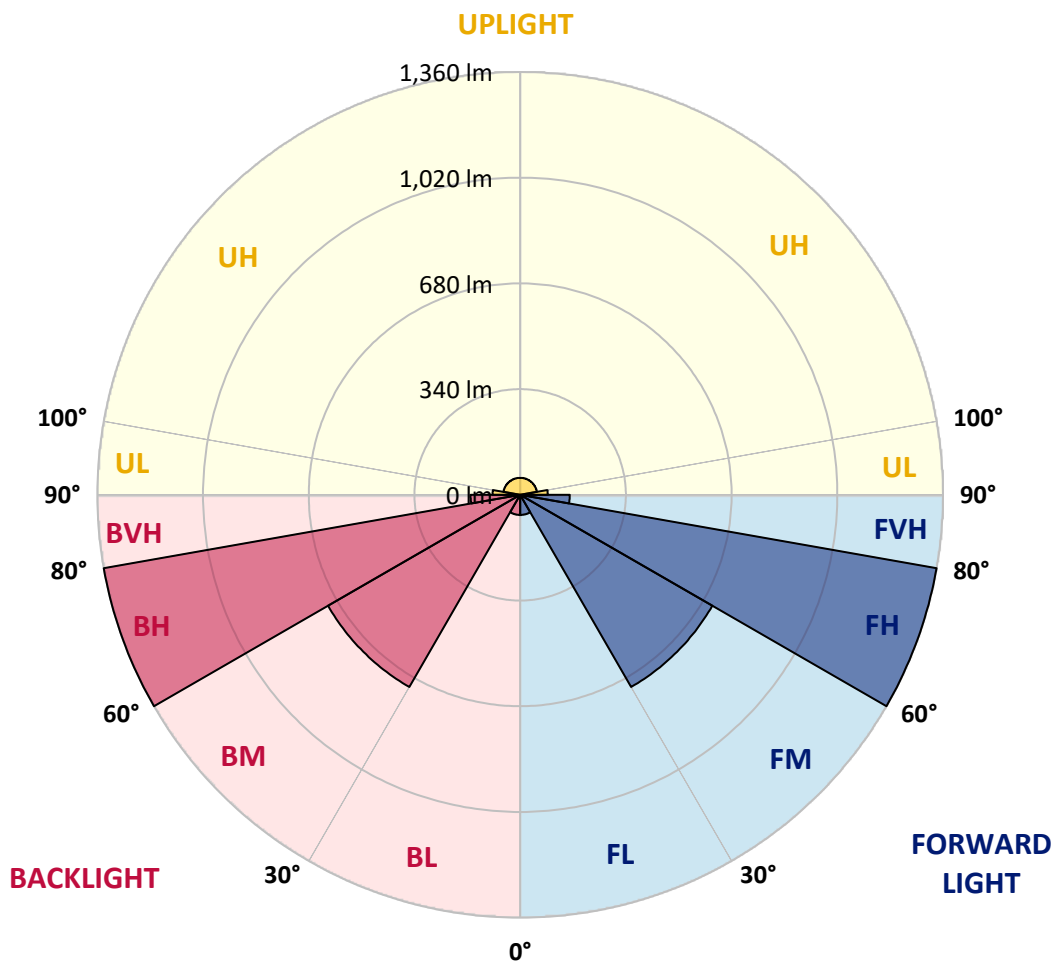
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	64.8	1.4			
FM (30°-60°)	713.9	15.2			
FH (60°-80°)	1360.5	28.9			G1/1800
FVH (80°-90°)	159.6	3.4			G2/225
BL (0°-30°)	64.8	1.4	B0/110		
BM (30°-60°)	713.9	15.2	B1/1000		
BH (60°-80°)	1360.5	28.9	B3/2500		G1/1800
BVH (80°-90°)	159.6	3.4			G2/225
UL (90°-100°)	88.9	1.9		U3/500	
UH (100°-180°)	54.7	1.2		U3/500	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.5	2.5	2.5	3.0	2.0	2.5	2.0	2.0	2.0	2.0	2.0
5°	21.9	21.4	19.9	36.9	17.5	9.0	5.0	3.0	2.0	2.0	2.0
7.5°	46.9	46.4	44.9	49.4	37.4	28.4	22.4	15.0	4.0	2.5	2.5
10°	56.3	55.8	53.9	54.4	52.4	50.9	41.9	25.4	11.5	4.0	4.0
12.5°	84.3	83.8	80.3	97.7	67.8	56.3	52.4	44.4	24.9	19.9	38.9
15°	115.2	115.2	110.2	112.7	93.2	82.3	60.8	76.3	83.8	79.8	85.3
17.5°	128.2	127.7	122.7	121.7	116.7	107.2	105.2	110.7	107.7	95.7	96.2
20°	163.1	162.6	156.1	175.0	144.6	121.7	151.6	132.6	122.2	139.1	161.6
22.5°	196.0	195.5	190.5	191.5	175.0	179.0	165.6	153.6	181.5	188.0	194.0
25°	232.4	230.9	211.4	207.4	193.5	211.9	190.0	220.9	202.0	210.9	226.9
27.5°	272.8	270.8	261.3	264.3	237.4	229.4	242.3	235.9	248.3	287.2	295.7
30°	298.7	287.2	278.7	277.2	282.7	256.8	266.8	273.3	286.7	303.7	318.6
32.5°	359.0	356.5	324.1	341.6	309.2	306.2	285.2	307.2	307.2	373.0	417.9
35°	386.0	383.5	374.5	363.0	355.0	327.6	337.6	330.6	381.5	405.9	443.3
37.5°	479.2	476.7	429.3	435.3	387.0	371.5	361.0	387.9	407.9	433.3	476.7
40°	515.6	513.6	494.7	467.7	449.8	405.4	392.4	414.9	439.3	467.2	511.6
42.5°	559.0	557.5	535.0	510.1	492.2	454.3	440.3	442.3	472.2	513.6	557.0
45°	610.8	610.8	596.4	553.5	536.0	509.1	486.7	489.2	517.1	567.0	611.8
47.5°	670.2	669.2	660.7	612.8	599.4	558.5	540.5	548.5	570.0	625.3	672.7
50°	739.5	734.5	734.0	679.2	662.7	620.8	603.9	617.3	630.3	685.1	736.5
52.5°	810.8	812.3	812.8	758.9	742.5	706.6	682.1	696.6	696.6	754.5	810.8
55°	895.6	899.1	896.6	843.2	845.7	806.8	773.4	791.4	784.9	840.2	890.6
57.5°	1004.8	1003.8	1008.8	947.4	955.4	924.0	886.1	897.6	887.6	933.0	977.8
60°	1114.0	1114.0	1126.9	1073.6	1095.0	1047.7	1023.2	1029.2	993.8	1031.7	1071.6
62.5°	1227.7	1228.7	1247.6	1229.7	1234.7	1184.3	1168.8	1159.4	1092.0	1141.4	1168.8
65°	1342.9	1344.4	1375.8	1395.2	1358.3	1312.4	1299.0	1276.0	1203.7	1273.5	1278.5
67.5°	1459.5	1466.0	1503.4	1544.8	1488.5	1403.2	1422.6	1381.3	1306.5	1373.3	1369.8
70°	1587.7	1592.2	1617.6	1686.9	1585.7	1476.0	1496.9	1466.5	1377.8	1461.0	1467.5
72°	1621.1	1624.1	1651.5	1743.8	1615.1	1512.4	1546.3	1497.4	1409.7	1500.9	1505.9
72.5°	1619.1	1623.6	1646.0	1732.8	1614.1	1518.9	1555.3	1500.9	1409.2	1498.4	1497.9
75°	1467.0	1477.5	1511.9	1562.3	1525.4	1505.9	1583.7	1480.0	1352.8	1402.2	1390.7
77.5°	1076.6	1084.6	1134.4	1166.3	1239.1	1369.8	1509.9	1359.3	1182.8	1160.4	1122.5
80°	528.1	525.1	625.3	579.9	790.4	1048.2	1253.1	1075.6	836.2	680.7	582.9
82.5°	178.5	189.0	229.9	221.4	351.5	604.9	848.2	664.2	387.4	263.8	217.9
85°	100.7	104.2	126.7	121.7	143.1	234.9	436.3	302.2	169.5	141.6	126.2
87.5°	88.8	90.3	89.3	87.8	94.7	131.6	132.1	136.6	103.7	96.2	96.7
90°	89.8	90.8	81.3	77.8	83.3	110.2	122.7	116.2	84.8	82.8	90.8
92.5°	97.2	98.2	88.3	84.8	89.3	113.2	126.2	119.7	85.8	88.3	96.7
95°	88.8	89.8	81.3	77.8	82.8	105.2	118.2	115.7	81.8	90.3	102.7
97.5°	56.8	57.3	56.8	56.8	65.3	79.8	83.3	78.8	54.4	55.3	56.3
100°	22.4	18.0	25.4	37.4	46.4	46.9	44.9	41.4	34.9	22.9	11.5
102.5°	7.5	7.5	17.5	24.4	27.4	21.9	17.5	17.5	20.4	14.5	7.5
105°	7.5	7.5	9.5	11.5	11.5	6.0	5.5	9.0	13.0	7.5	7.5
107.5°	7.0	7.5	5.0	4.5	4.0	4.0	4.0	4.0	5.0	5.5	7.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	6.0	6.0	4.0	4.0	3.5	3.0	4.0	3.5	4.0	4.5	6.0
112.5°	4.5	5.0	3.0	3.0	3.0	2.5	3.5	3.0	3.0	3.5	4.0
115°	4.5	4.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.0	4.0
117.5°	4.5	4.0	2.5	2.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0
120°	4.5	4.0	2.5	2.0	1.5	1.5	1.5	1.5	2.0	2.5	4.0
122.5°	4.0	4.0	2.5	2.0	1.5	1.5	1.5	1.5	1.5	2.5	4.0
125°	4.0	4.0	2.5	2.0	1.5	1.5	1.0	1.5	1.5	2.5	3.5
127.5°	4.0	3.5	2.5	1.5	1.5	1.0	1.0	1.0	1.5	2.0	3.5
130°	3.5	3.5	2.5	1.5	1.0	1.0	1.0	1.0	1.0	2.0	3.0
132.5°	3.0	3.0	2.0	1.5	1.0	1.0	1.0	1.0	1.0	1.5	2.5
135°	2.5	2.5	2.0	1.5	1.0	1.5	1.0	1.0	1.0	1.0	2.0
137.5°	2.5	2.5	2.0	1.5	1.0	1.5	1.0	1.0	1.0	1.0	1.5
140°	2.5	2.5	2.0	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.5
142.5°	2.5	2.5	2.0	1.5	1.5	1.5	1.0	1.0	1.0	1.5	1.5
145°	2.5	2.5	2.5	2.0	1.5	1.5	1.0	1.0	1.5	1.5	2.0
147.5°	3.0	3.0	2.5	2.0	1.5	1.0	1.0	1.0	1.5	2.0	2.0
150°	2.5	2.5	2.0	1.5	1.5	1.0	0.5	0.5	1.0	2.0	2.0
152.5°	2.0	2.0	1.5	1.0	1.0	0.5	0.0	0.5	1.0	1.5	2.0
155°	1.5	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.5	1.0	1.5
157.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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°	2.0
2.5°	2.0
5°	2.0
7.5°	2.5
10°	4.0
12.5°	39.9
15°	85.8
17.5°	96.2
20°	174.5
22.5°	196.5
25°	231.9
27.5°	302.7
30°	321.6
32.5°	428.3
35°	451.3
37.5°	482.2
40°	515.6
42.5°	558.5
45°	611.8
47.5°	673.7
50°	735.0
52.5°	808.8
55°	894.1
57.5°	975.4
60°	1068.6
62.5°	1162.3
65°	1278.5
67.5°	1369.8
70°	1470.0
72°	1507.4
72.5°	1498.4
75°	1392.7
77.5°	1125.9
80°	571.9
82.5°	202.5
85°	124.2
87.5°	94.7
90°	89.3
92.5°	95.2
95°	101.2
97.5°	53.9
100°	8.0
102.5°	8.0
105°	8.0
107.5°	8.0



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CANDELA DISTRIBUTION (continued):

	90°
110°	6.5
112.5°	4.5
115°	4.5
117.5°	4.5
120°	4.5
122.5°	4.5
125°	4.0
127.5°	3.5
130°	3.0
132.5°	2.5
135°	2.0
137.5°	1.5
140°	1.5
142.5°	1.5
145°	2.0
147.5°	2.0
150°	2.0
152.5°	2.0
155°	1.5
157.5°	0.5
160°	0.5
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)