

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: P416789

Luminaire Tested: **LXF.LXT-PA1-80-750-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416789
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-PA1-80-750-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 9439.9 lumens
Efficiency: N/A
Efficacy: 113.7 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: B4 - U3 - G3

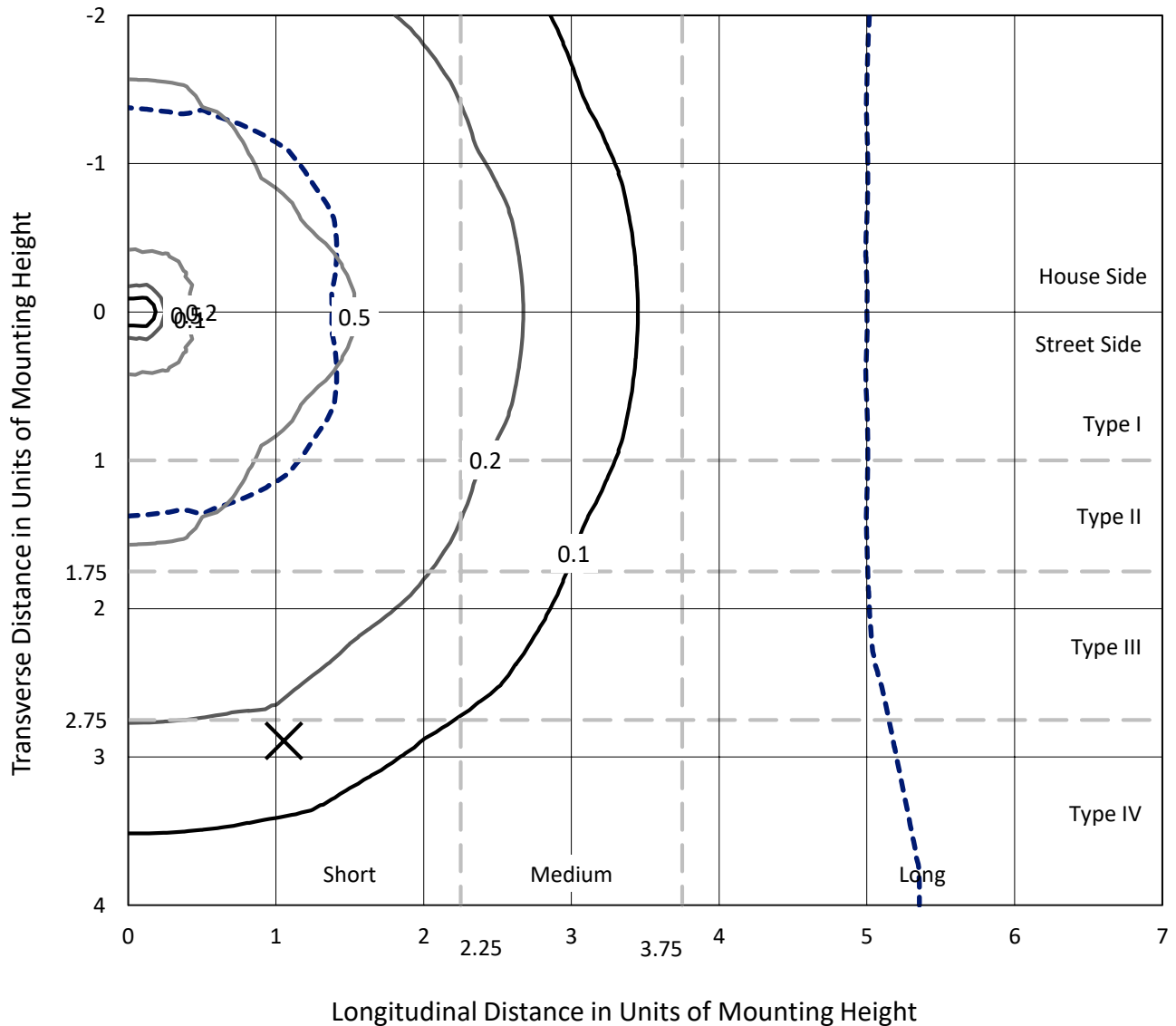
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

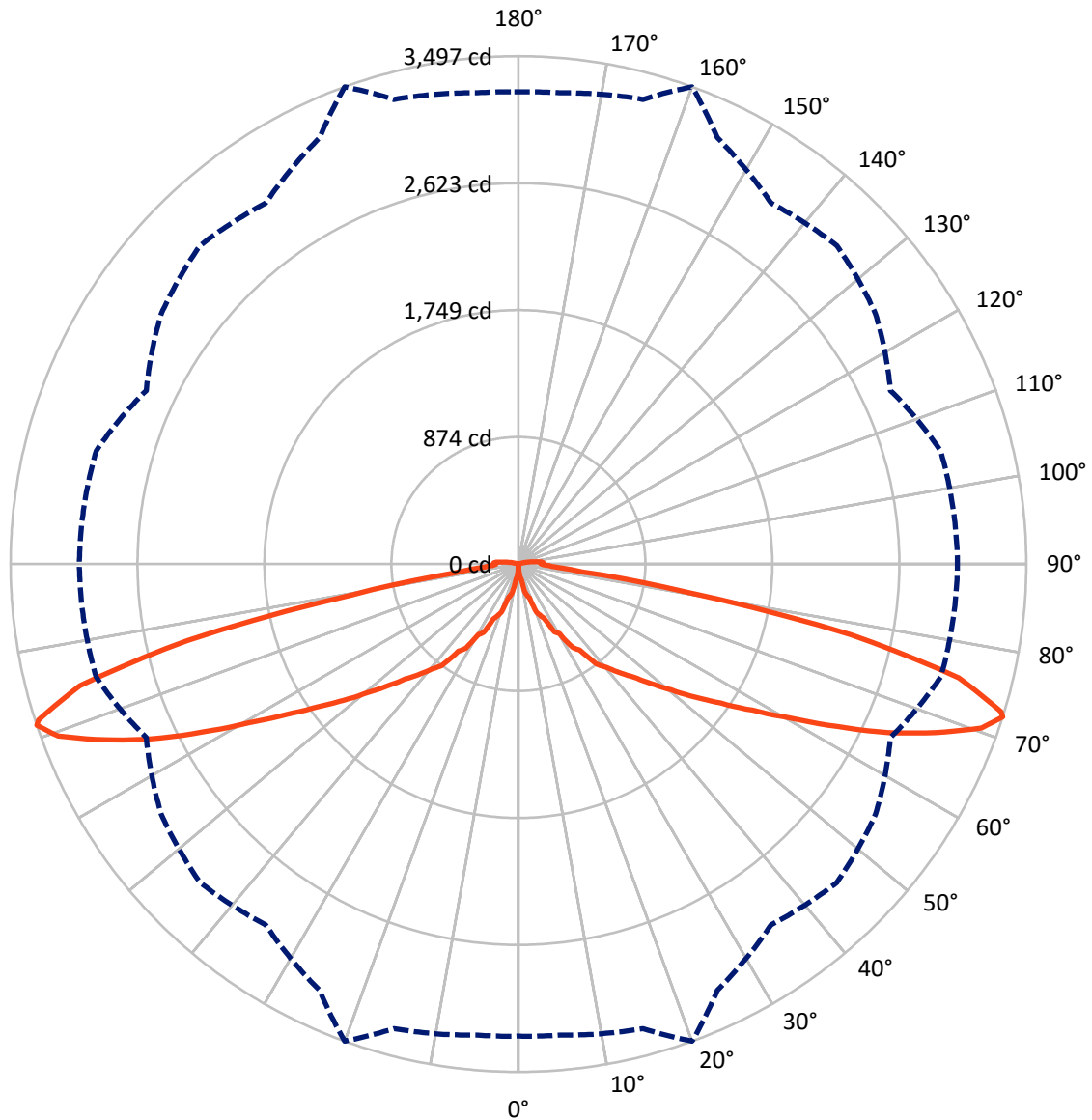
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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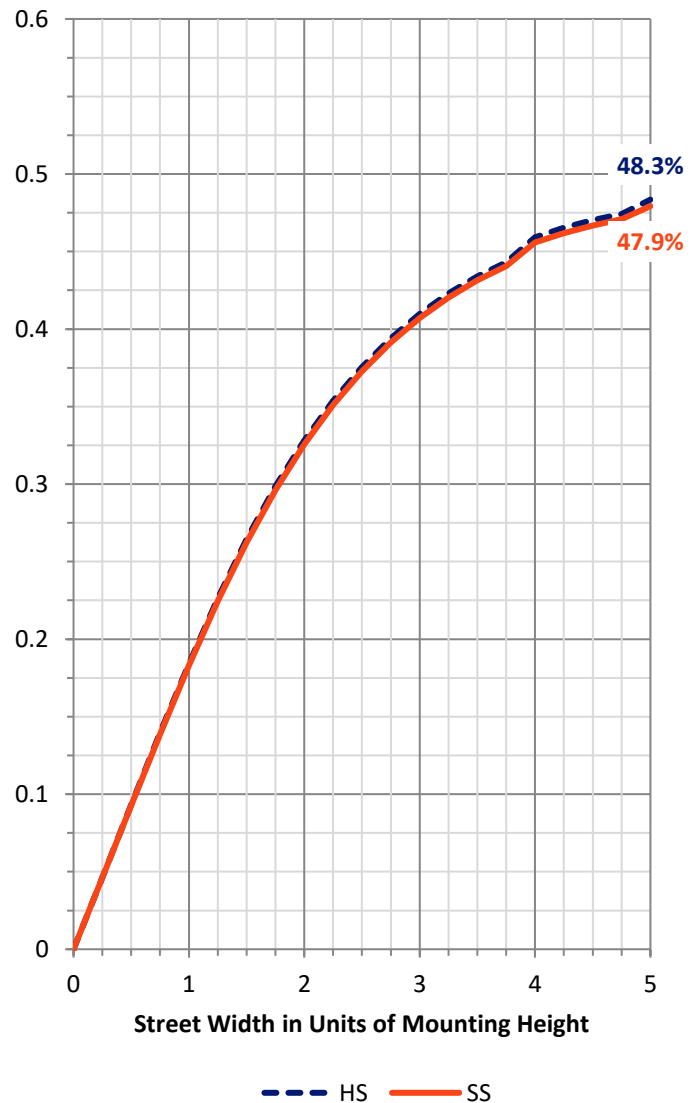
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4610.3	109.7	4720.0
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	4610.3	109.7	4720.0
	% Fixture	48.8	1.2	50.0
Total	Lumens	9220.6	219.4	9439.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.0
10°-20°	51.7	0.5
20°-30°	204.5	2.2
30°-40°	473.5	5.0
40°-50°	861.8	9.1
50°-60°	1528.1	16.2
60°-70°	2584.9	27.4
70°-80°	2872.1	30.4
80°-90°	640.3	6.8
90°-100°	178.2	1.9
100°-110°	26.3	0.3
110°-120°	6.1	0.1
120°-130°	3.8	0.0
130°-140°	2.3	0.0
140°-150°	2.0	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9220.6	97.7
0°-180°	9439.9	100.0



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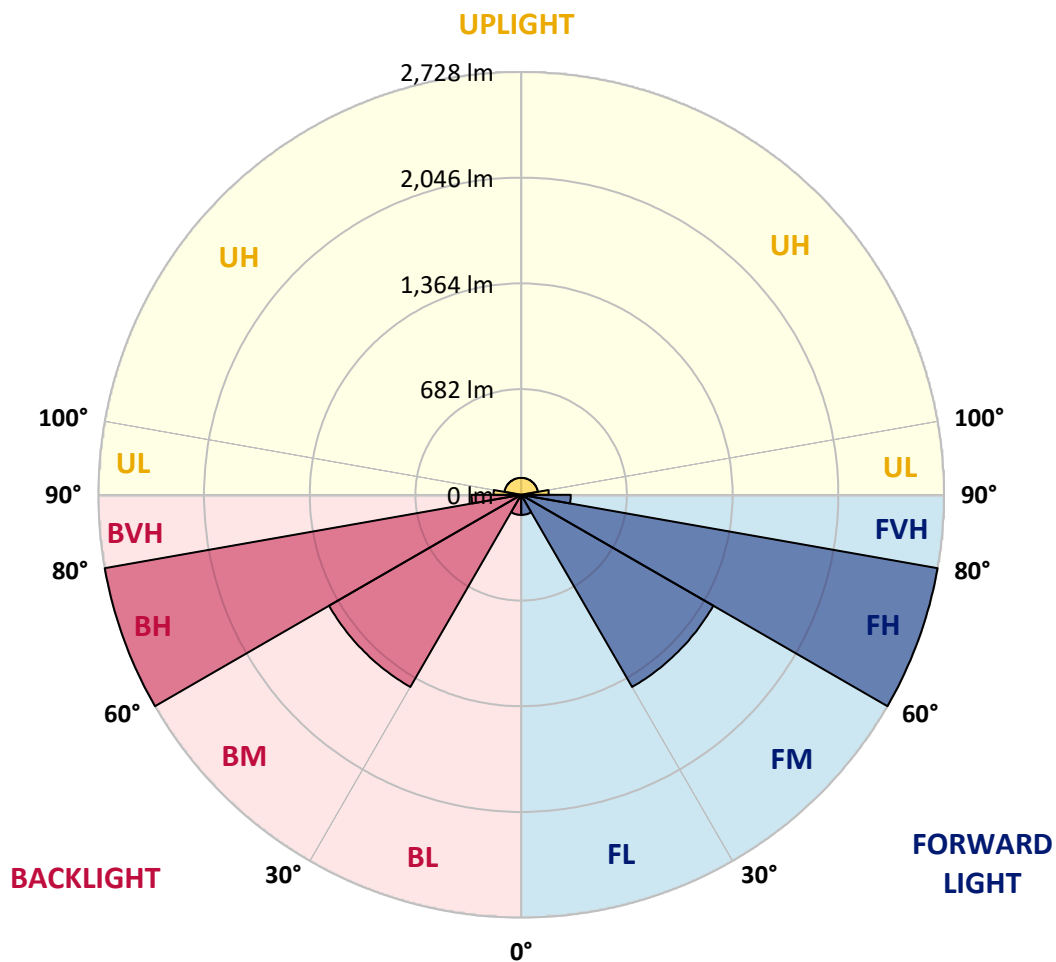
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.9	1.4			
FM (30°-60°)	1431.7	15.2			
FH (60°-80°)	2728.5	28.9			G2/5000
FVH (80°-90°)	320.2	3.4			G3/500
BL (0°-30°)	129.9	1.4	B1/500		
BM (30°-60°)	1431.7	15.2	B2/2500		
BH (60°-80°)	2728.5	28.9	B4/5000		G2/5000
BVH (80°-90°)	320.2	3.4			G3/500
UL (90°-100°)	178.2	1.9		U3/500	
UH (100°-180°)	109.7	1.2		U3/500	

BUG Rating: B4-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	5.0	5.0	5.0	6.0	4.0	5.0	4.0	4.0	4.0	4.0	4.0
5°	44.0	43.0	40.0	74.0	35.0	18.0	10.0	6.0	4.0	4.0	4.0
7.5°	94.0	93.0	90.0	99.0	75.0	57.0	45.0	30.0	8.0	5.0	5.0
10°	113.0	112.0	108.0	109.0	105.0	102.0	84.0	51.0	23.0	8.0	8.0
12.5°	169.0	168.0	161.0	196.0	136.0	113.0	105.0	89.0	50.0	40.0	78.0
15°	231.0	231.0	221.0	226.0	187.0	165.0	122.0	153.0	168.0	160.0	171.0
17.5°	257.0	256.0	246.0	244.0	234.0	215.0	211.0	222.0	216.0	192.0	193.0
20°	327.0	326.0	313.0	351.0	290.0	244.0	304.0	266.0	245.0	279.0	324.0
22.5°	393.0	392.0	382.0	384.0	351.0	359.0	332.0	308.0	364.0	377.0	389.0
25°	466.0	463.0	424.0	416.0	388.0	425.0	381.0	443.0	405.0	423.0	455.0
27.5°	547.0	543.0	524.0	530.0	476.0	460.0	486.0	473.0	498.0	576.0	593.0
30°	599.0	576.0	559.0	556.0	567.0	515.0	535.0	548.0	575.0	609.0	639.0
32.5°	720.0	715.0	650.0	685.0	620.0	614.0	572.0	616.0	616.0	748.0	838.0
35°	774.0	769.0	751.0	728.0	712.0	657.0	677.0	663.0	765.0	814.0	889.0
37.5°	961.0	956.0	861.0	873.0	776.0	745.0	724.0	778.0	818.0	869.0	956.0
40°	1034.1	1030.1	992.0	938.0	902.0	813.0	787.0	832.0	881.0	937.0	1026.0
42.5°	1121.1	1118.1	1073.1	1023.0	987.0	911.0	883.0	887.0	947.0	1030.1	1117.1
45°	1225.1	1225.1	1196.1	1110.1	1075.1	1021.0	976.0	981.0	1037.1	1137.1	1227.1
47.5°	1344.1	1342.1	1325.1	1229.1	1202.1	1120.1	1084.1	1100.1	1143.1	1254.1	1349.1
50°	1483.1	1473.1	1472.1	1362.1	1329.1	1245.1	1211.1	1238.1	1264.1	1374.1	1477.1
52.5°	1626.1	1629.1	1630.1	1522.1	1489.1	1417.1	1368.1	1397.1	1397.1	1513.1	1626.1
55°	1796.1	1803.1	1798.1	1691.1	1696.1	1618.1	1551.1	1587.1	1574.1	1685.1	1786.1
57.5°	2015.1	2013.1	2023.1	1900.1	1916.1	1853.1	1777.1	1800.1	1780.1	1871.1	1961.1
60°	2234.1	2234.1	2260.1	2153.1	2196.1	2101.1	2052.1	2064.1	1993.1	2069.1	2149.1
62.5°	2462.1	2464.1	2502.1	2466.1	2476.1	2375.1	2344.1	2325.1	2190.1	2289.1	2344.1
65°	2693.1	2696.1	2759.1	2798.1	2724.1	2632.1	2605.1	2559.1	2414.1	2554.1	2564.1
67.5°	2927.1	2940.1	3015.1	3098.2	2985.1	2814.1	2853.1	2770.1	2620.1	2754.1	2747.1
70°	3184.2	3193.2	3244.2	3383.2	3180.2	2960.1	3002.1	2941.1	2763.1	2930.1	2943.1
72°	3251.2	3257.2	3312.2	3497.2	3239.2	3033.1	3101.2	3003.1	2827.1	3010.1	3020.1
72.5°	3247.2	3256.2	3301.2	3475.2	3237.2	3046.1	3119.2	3010.1	2826.1	3005.1	3004.1
75°	2942.1	2963.1	3032.1	3133.2	3059.1	3020.1	3176.2	2968.1	2713.1	2812.1	2789.1
77.5°	2159.1	2175.1	2275.1	2339.1	2485.1	2747.1	3028.1	2726.1	2372.1	2327.1	2251.1
80°	1059.1	1053.1	1254.1	1163.1	1585.1	2102.1	2513.1	2157.1	1677.1	1365.1	1169.1
82.5°	358.0	379.0	461.0	444.0	705.0	1213.1	1701.1	1332.1	777.0	529.0	437.0
85°	202.0	209.0	254.0	244.0	287.0	471.0	875.0	606.0	340.0	284.0	253.0
87.5°	178.0	181.0	179.0	176.0	190.0	264.0	265.0	274.0	208.0	193.0	194.0
90°	180.0	182.0	163.0	156.0	167.0	221.0	246.0	233.0	170.0	166.0	182.0
92.5°	195.0	197.0	177.0	170.0	179.0	227.0	253.0	240.0	172.0	177.0	194.0
95°	178.0	180.0	163.0	156.0	166.0	211.0	237.0	232.0	164.0	181.0	206.0
97.5°	114.0	115.0	114.0	114.0	131.0	160.0	167.0	158.0	109.0	111.0	113.0
100°	45.0	36.0	51.0	75.0	93.0	94.0	90.0	83.0	70.0	46.0	23.0
102.5°	15.0	15.0	35.0	49.0	55.0	44.0	35.0	35.0	41.0	29.0	15.0
105°	15.0	15.0	19.0	23.0	23.0	12.0	11.0	18.0	26.0	15.0	15.0
107.5°	14.0	15.0	10.0	9.0	8.0	8.0	8.0	8.0	10.0	11.0	15.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	12.0	12.0	8.0	8.0	7.0	6.0	8.0	7.0	8.0	9.0	12.0
112.5°	9.0	10.0	6.0	6.0	6.0	5.0	7.0	6.0	6.0	7.0	8.0
115°	9.0	9.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	8.0
117.5°	9.0	8.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	8.0
120°	9.0	8.0	5.0	4.0	3.0	3.0	3.0	3.0	4.0	5.0	8.0
122.5°	8.0	8.0	5.0	4.0	3.0	3.0	3.0	3.0	3.0	5.0	8.0
125°	8.0	8.0	5.0	4.0	3.0	3.0	2.0	3.0	3.0	5.0	7.0
127.5°	8.0	7.0	5.0	3.0	3.0	2.0	2.0	2.0	3.0	4.0	7.0
130°	7.0	7.0	5.0	3.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0
132.5°	6.0	6.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	5.0
135°	5.0	5.0	4.0	3.0	2.0	3.0	2.0	2.0	2.0	2.0	4.0
137.5°	5.0	5.0	4.0	3.0	2.0	3.0	2.0	2.0	2.0	2.0	3.0
140°	5.0	5.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0
142.5°	5.0	5.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0
145°	5.0	5.0	5.0	4.0	3.0	3.0	2.0	2.0	3.0	3.0	4.0
147.5°	6.0	6.0	5.0	4.0	3.0	2.0	2.0	2.0	3.0	4.0	4.0
150°	5.0	5.0	4.0	3.0	3.0	2.0	1.0	1.0	2.0	4.0	4.0
152.5°	4.0	4.0	3.0	2.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0
155°	3.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	1.0	2.0	3.0
157.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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°	4.0
2.5°	4.0
5°	4.0
7.5°	5.0
10°	8.0
12.5°	80.0
15°	172.0
17.5°	193.0
20°	350.0
22.5°	394.0
25°	465.0
27.5°	607.0
30°	645.0
32.5°	859.0
35°	905.0
37.5°	967.0
40°	1034.1
42.5°	1120.1
45°	1227.1
47.5°	1351.1
50°	1474.1
52.5°	1622.1
55°	1793.1
57.5°	1956.1
60°	2143.1
62.5°	2331.1
65°	2564.1
67.5°	2747.1
70°	2948.1
72°	3023.1
72.5°	3005.1
75°	2793.1
77.5°	2258.1
80°	1147.1
82.5°	406.0
85°	249.0
87.5°	190.0
90°	179.0
92.5°	191.0
95°	203.0
97.5°	108.0
100°	16.0
102.5°	16.0
105°	16.0
107.5°	16.0



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CANDELA DISTRIBUTION (continued):

	90°
110°	13.0
112.5°	9.0
115°	9.0
117.5°	9.0
120°	9.0
122.5°	9.0
125°	8.0
127.5°	7.0
130°	6.0
132.5°	5.0
135°	4.0
137.5°	3.0
140°	3.0
142.5°	3.0
145°	4.0
147.5°	4.0
150°	4.0
152.5°	4.0
155°	3.0
157.5°	1.0
160°	1.0
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)