

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: P413773

Luminaire Tested: **LXF.LXT-PA1-100-730-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413773
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-PA1-100-730-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 9386.1 lumens
Efficiency: N/A
Efficacy: 97.8 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): 96
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

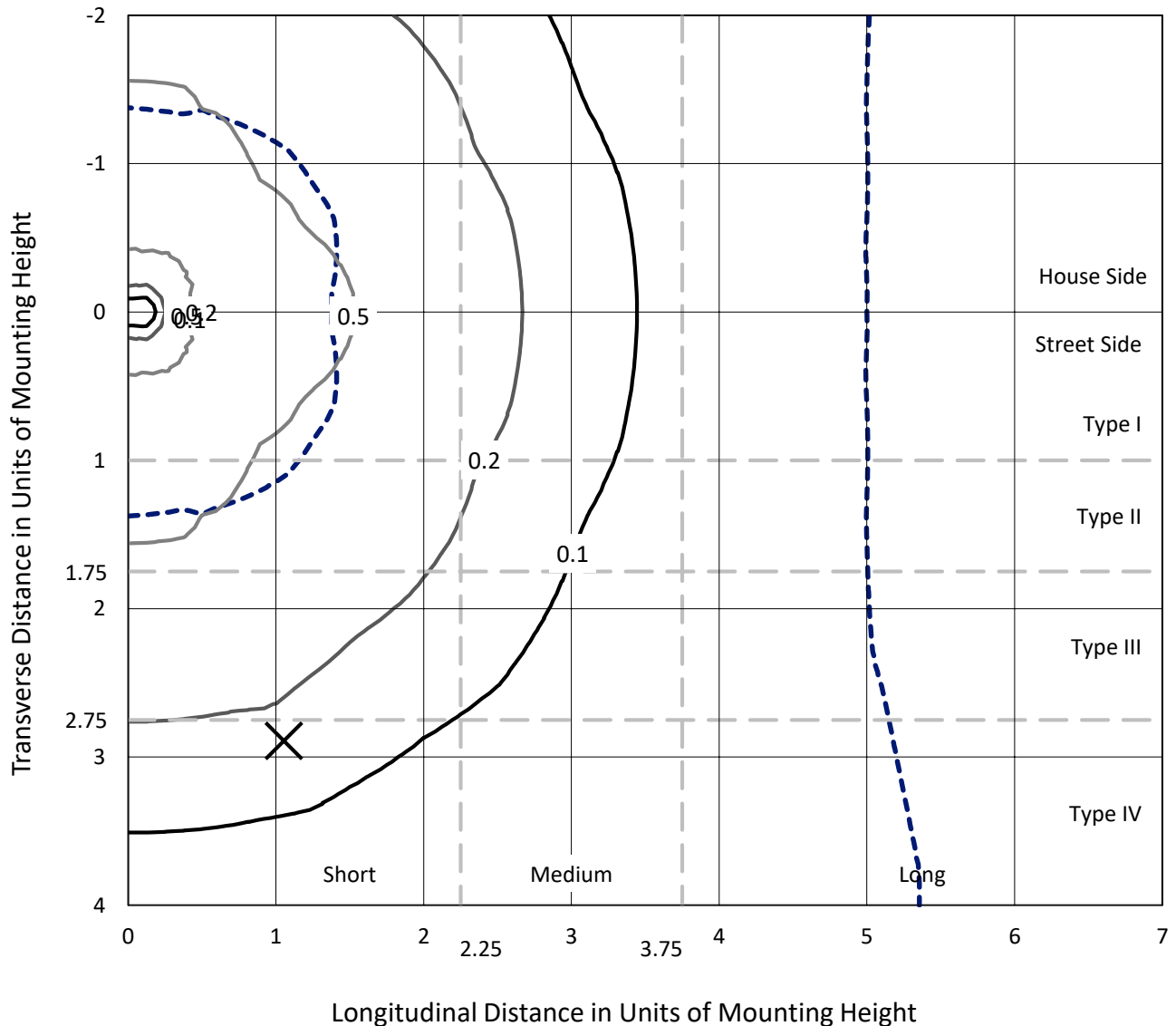


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

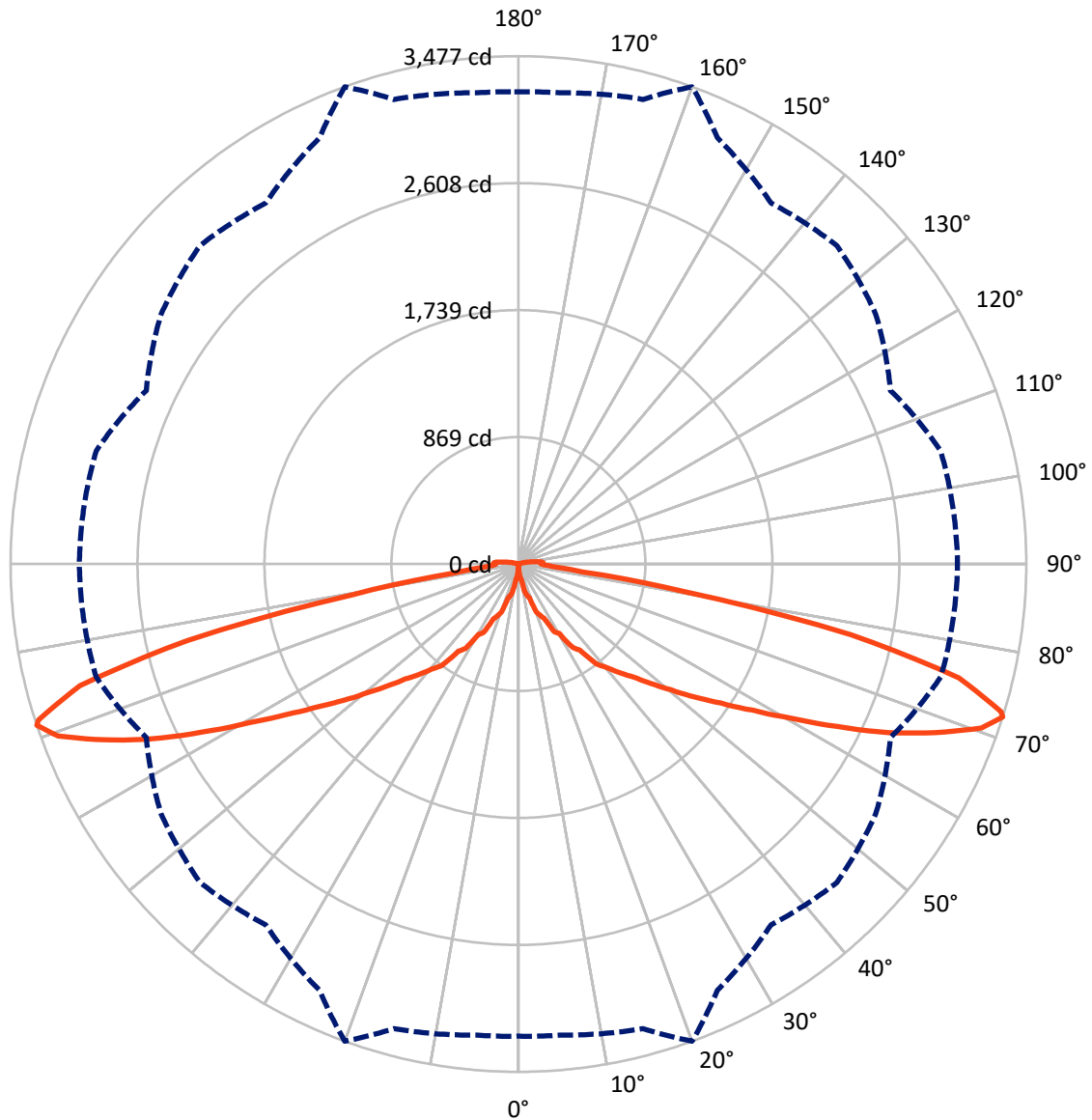


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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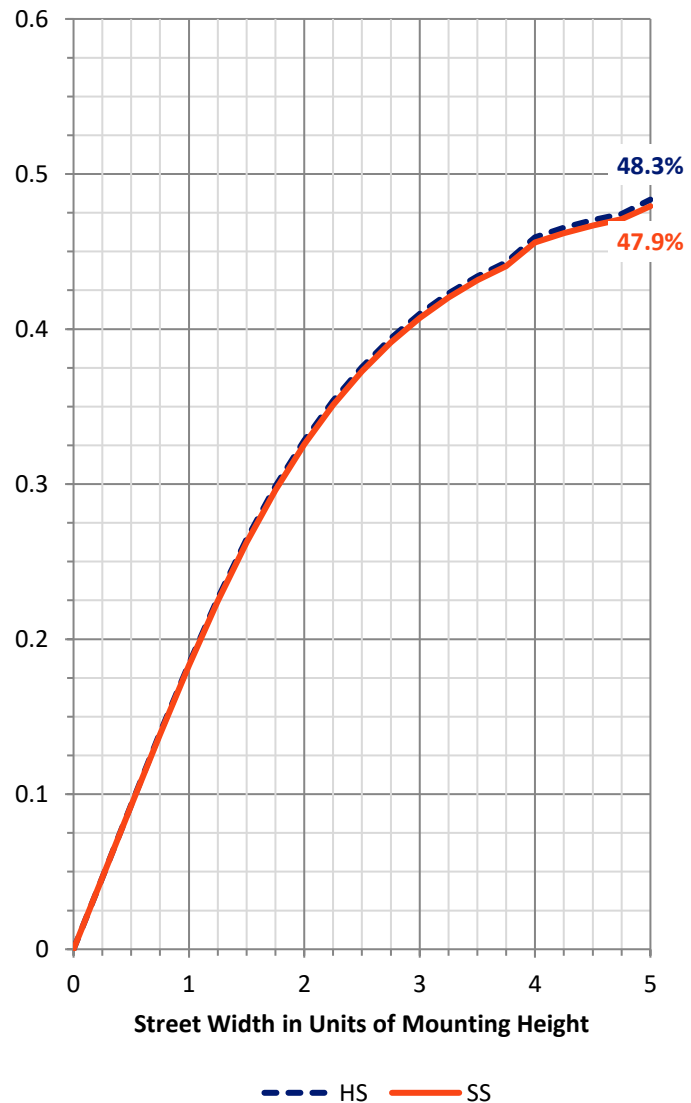
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4583.9	109.1	4693.0
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	4583.9	109.1	4693.0
	% Fixture	48.8	1.2	50.0
Total	Lumens	9167.9	218.2	9386.1
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.0
10°-20°	51.4	0.5
20°-30°	203.4	2.2
30°-40°	470.8	5.0
40°-50°	856.9	9.1
50°-60°	1519.4	16.2
60°-70°	2570.1	27.4
70°-80°	2855.7	30.4
80°-90°	636.7	6.8
90°-100°	177.2	1.9
100°-110°	26.1	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°	9167.9	97.7
0°-180°	9386.1	100.0



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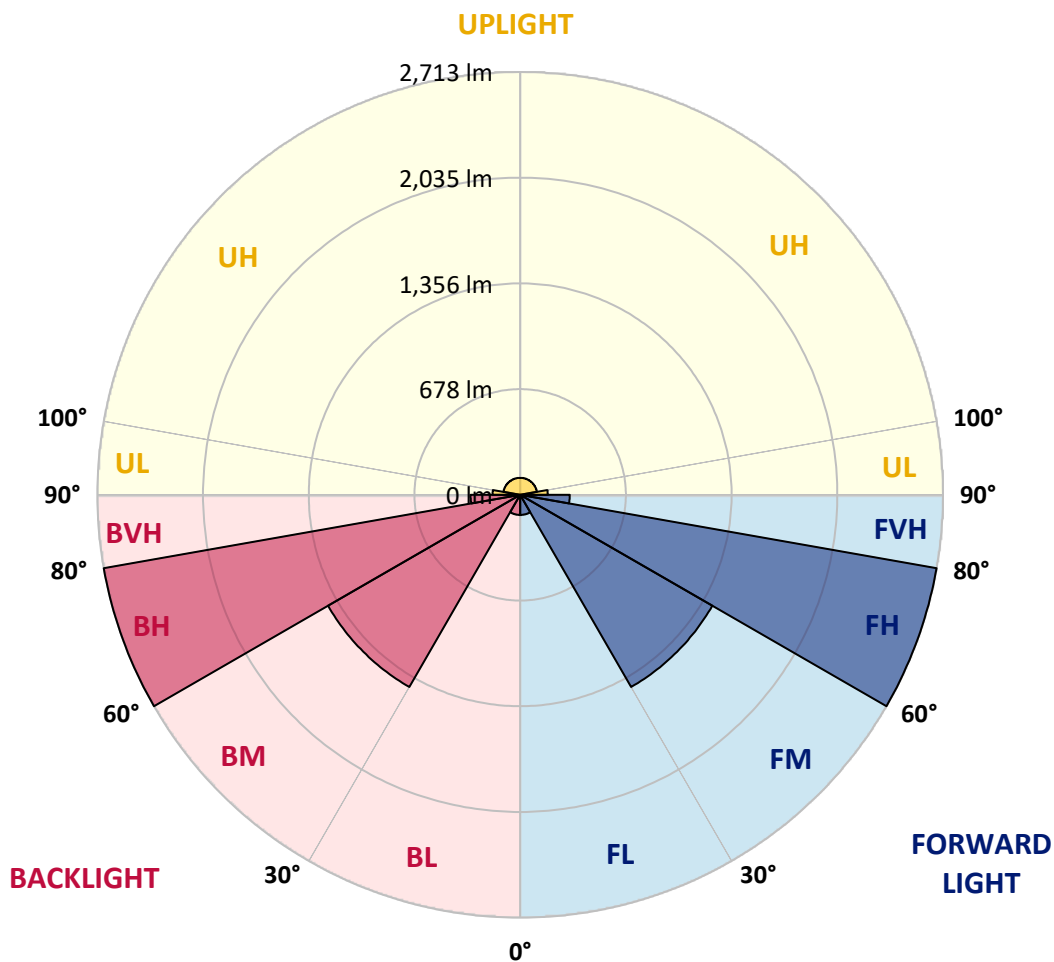
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.2	1.4			
FM (30°-60°)	1423.5	15.2			
FH (60°-80°)	2712.9	28.9			G2/5000
FVH (80°-90°)	318.3	3.4			G3/500
BL (0°-30°)	129.2	1.4	B1/500		
BM (30°-60°)	1423.5	15.2	B2/2500		
BH (60°-80°)	2712.9	28.9	B4/5000		G2/5000
BVH (80°-90°)	318.3	3.4			G3/500
UL (90°-100°)	177.2	1.9		U3/500	
UH (100°-180°)	109.1	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°	43.8	42.8	39.8	73.6	34.8	17.9	9.9	6.0	4.0	4.0	4.0
7.5°	93.5	92.5	89.5	98.4	74.6	56.7	44.7	29.8	8.0	5.0	5.0
10°	112.4	111.4	107.4	108.4	104.4	101.4	83.5	50.7	22.9	8.0	8.0
12.5°	168.0	167.0	160.1	194.9	135.2	112.4	104.4	88.5	49.7	39.8	77.6
15°	229.7	229.7	219.7	224.7	185.9	164.1	121.3	152.1	167.0	159.1	170.0
17.5°	255.5	254.5	244.6	242.6	232.7	213.8	209.8	220.7	214.8	190.9	191.9
20°	325.1	324.2	311.2	349.0	288.4	242.6	302.3	264.5	243.6	277.4	322.2
22.5°	390.8	389.8	379.8	381.8	349.0	357.0	330.1	306.3	361.9	374.9	386.8
25°	463.4	460.4	421.6	413.6	385.8	422.6	378.8	440.5	402.7	420.6	452.4
27.5°	543.9	539.9	521.0	527.0	473.3	457.4	483.2	470.3	495.2	572.7	589.6
30°	595.6	572.7	555.8	552.8	563.8	512.1	532.0	544.9	571.7	605.5	635.4
32.5°	715.9	710.9	646.3	681.1	616.5	610.5	568.8	612.5	612.5	743.8	833.2
35°	769.6	764.6	746.7	723.9	708.0	653.3	673.2	659.2	760.7	809.4	884.0
37.5°	955.5	950.6	856.1	868.0	771.6	740.8	719.9	773.6	813.4	864.1	950.6
40°	1028.1	1024.2	986.4	932.7	896.9	808.4	782.5	827.3	876.0	931.7	1020.2
42.5°	1114.6	1111.7	1066.9	1017.2	981.4	905.8	878.0	882.0	941.6	1024.2	1110.7
45°	1218.1	1218.1	1189.2	1103.7	1068.9	1015.2	970.5	975.4	1031.1	1130.6	1220.0
47.5°	1336.4	1334.4	1317.5	1222.0	1195.2	1113.6	1077.9	1093.8	1136.5	1246.9	1341.3
50°	1474.6	1464.6	1463.7	1354.3	1321.5	1237.9	1204.1	1231.0	1256.8	1366.2	1468.6
52.5°	1616.8	1619.8	1620.8	1513.4	1480.6	1409.0	1360.2	1389.1	1389.1	1504.4	1616.8
55°	1785.8	1792.8	1787.8	1681.4	1686.4	1608.8	1542.2	1578.0	1565.1	1675.4	1775.9
57.5°	2003.6	2001.6	2011.5	1889.2	1905.1	1842.5	1766.9	1789.8	1769.9	1860.4	1949.9
60°	2221.3	2221.3	2247.2	2140.8	2183.5	2089.1	2040.4	2052.3	1981.7	2057.3	2136.8
62.5°	2448.0	2450.0	2487.8	2452.0	2462.0	2361.5	2330.7	2311.8	2177.6	2276.0	2330.7
65°	2677.7	2680.7	2743.4	2782.1	2708.5	2617.1	2590.2	2544.5	2400.3	2539.5	2549.5
67.5°	2910.4	2923.3	2997.9	3080.4	2968.1	2798.0	2836.8	2754.3	2605.1	2738.4	2731.4
70°	3165.9	3174.9	3225.6	3363.8	3162.0	2943.2	2985.0	2924.3	2747.3	2913.4	2926.3
72°	3232.6	3238.5	3293.2	3477.2	3220.6	3015.8	3083.4	2986.0	2811.0	2992.9	3002.9
72.5°	3228.6	3237.5	3282.3	3455.3	3218.6	3028.7	3101.3	2992.9	2810.0	2988.0	2987.0
75°	2925.3	2946.2	3014.8	3115.2	3041.6	3002.9	3158.0	2951.2	2697.6	2796.1	2773.2
77.5°	2146.8	2162.7	2262.1	2325.7	2470.9	2731.4	3010.8	2710.5	2358.5	2313.8	2238.2
80°	1053.0	1047.0	1246.9	1156.4	1576.0	2090.1	2498.7	2144.8	1667.5	1357.3	1162.4
82.5°	356.0	376.9	458.4	441.5	701.0	1206.1	1691.4	1324.4	772.6	526.0	434.5
85°	200.9	207.8	252.6	242.6	285.4	468.3	870.0	602.6	338.1	282.4	251.6
87.5°	177.0	180.0	178.0	175.0	188.9	262.5	263.5	272.4	206.8	191.9	192.9
90°	179.0	181.0	162.1	155.1	166.1	219.7	244.6	231.7	169.0	165.1	181.0
92.5°	193.9	195.9	176.0	169.0	178.0	225.7	251.6	238.6	171.0	176.0	192.9
95°	177.0	179.0	162.1	155.1	165.1	209.8	235.7	230.7	163.1	180.0	204.8
97.5°	113.4	114.3	113.4	113.4	130.3	159.1	166.1	157.1	108.4	110.4	112.4
100°	44.7	35.8	50.7	74.6	92.5	93.5	89.5	82.5	69.6	45.7	22.9
102.5°	14.9	14.9	34.8	48.7	54.7	43.8	34.8	34.8	40.8	28.8	14.9
105°	14.9	14.9	18.9	22.9	22.9	11.9	10.9	17.9	25.9	14.9	14.9
107.5°	13.9	14.9	9.9	8.9	8.0	8.0	8.0	8.0	9.9	10.9	14.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	11.9	11.9	8.0	8.0	7.0	6.0	8.0	7.0	8.0	8.9	11.9
112.5°	8.9	9.9	6.0	6.0	6.0	5.0	7.0	6.0	6.0	7.0	8.0
115°	8.9	8.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	8.0
117.5°	8.9	8.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	8.0
120°	8.9	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°	79.5
15°	171.0
17.5°	191.9
20°	348.0
22.5°	391.8
25°	462.4
27.5°	603.6
30°	641.3
32.5°	854.1
35°	899.9
37.5°	961.5
40°	1028.1
42.5°	1113.6
45°	1220.0
47.5°	1343.3
50°	1465.6
52.5°	1612.8
55°	1782.8
57.5°	1944.9
60°	2130.8
62.5°	2317.8
65°	2549.5
67.5°	2731.4
70°	2931.3
72°	3005.9
72.5°	2988.0
75°	2777.2
77.5°	2245.2
80°	1140.5
82.5°	403.7
85°	247.6
87.5°	188.9
90°	178.0
92.5°	189.9
95°	201.8
97.5°	107.4
100°	15.9
102.5°	15.9
105°	15.9
107.5°	15.9



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CANDELA DISTRIBUTION (continued):

	90°
110°	12.9
112.5°	8.9
115°	8.9
117.5°	8.9
120°	8.9
122.5°	8.9
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)