

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: P266223

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T4W-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-90-D-U-T4W-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7229.5 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 94
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

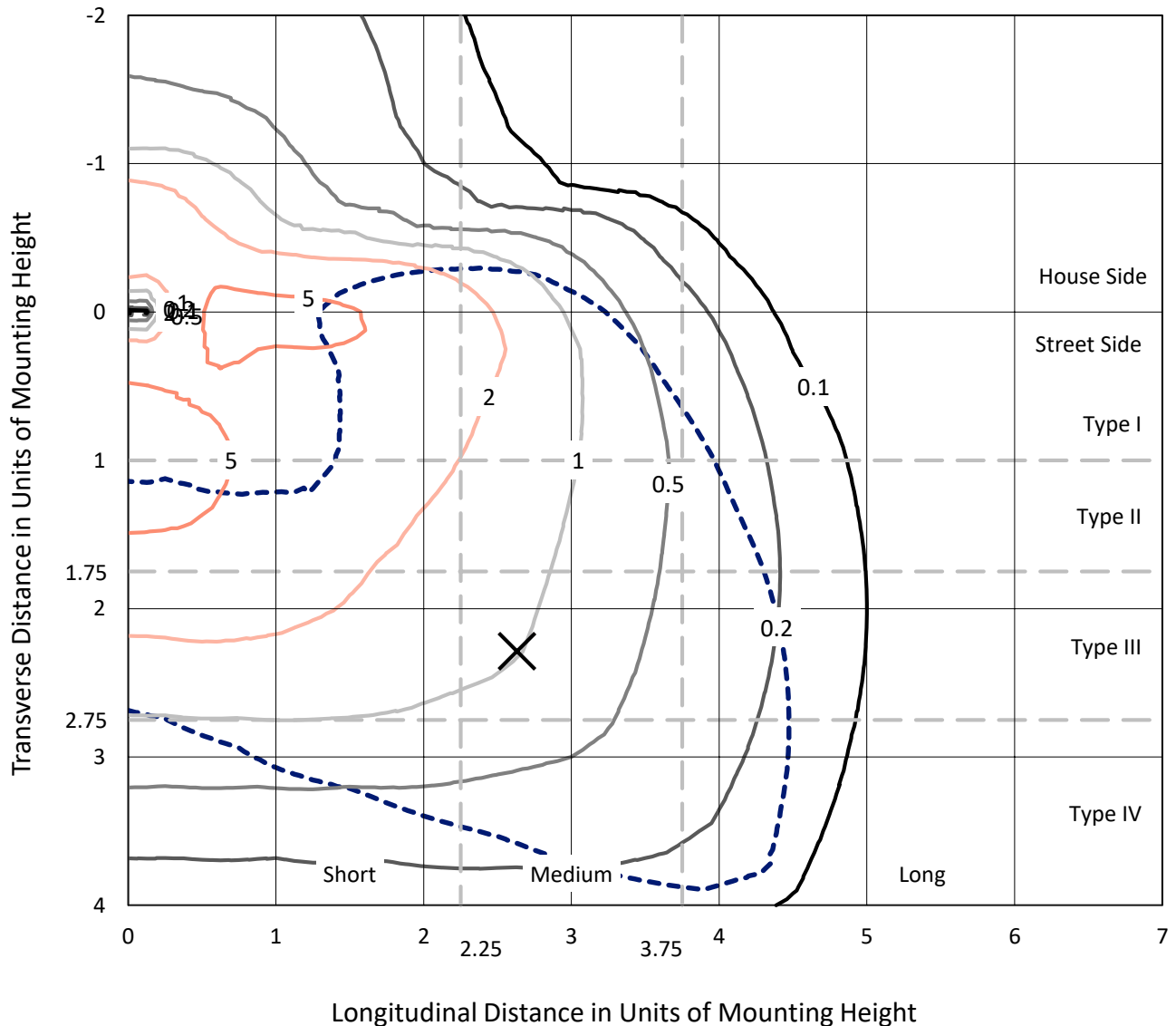


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Iso-Footcandle Lines of Horizontal Illumination

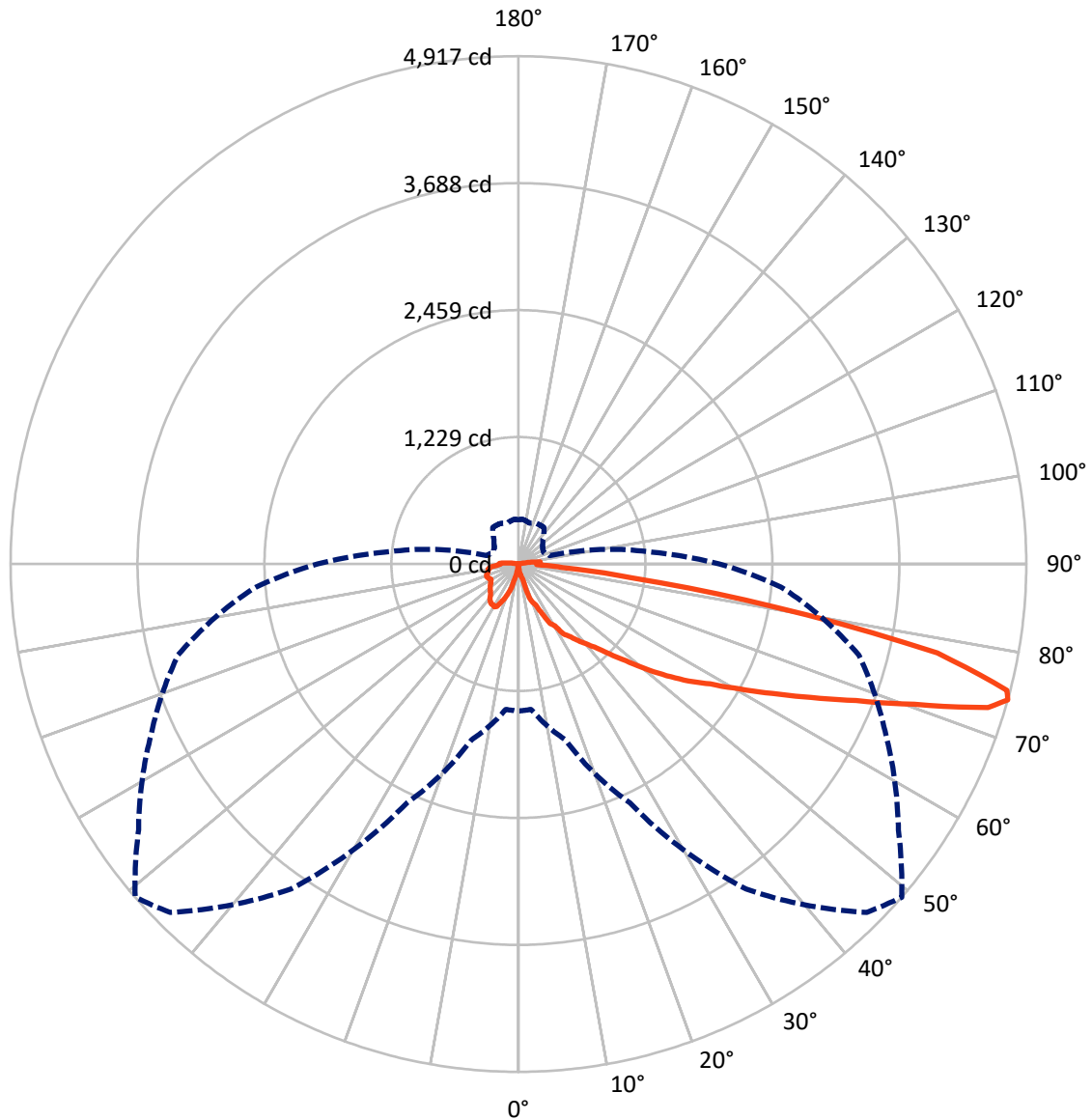
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical



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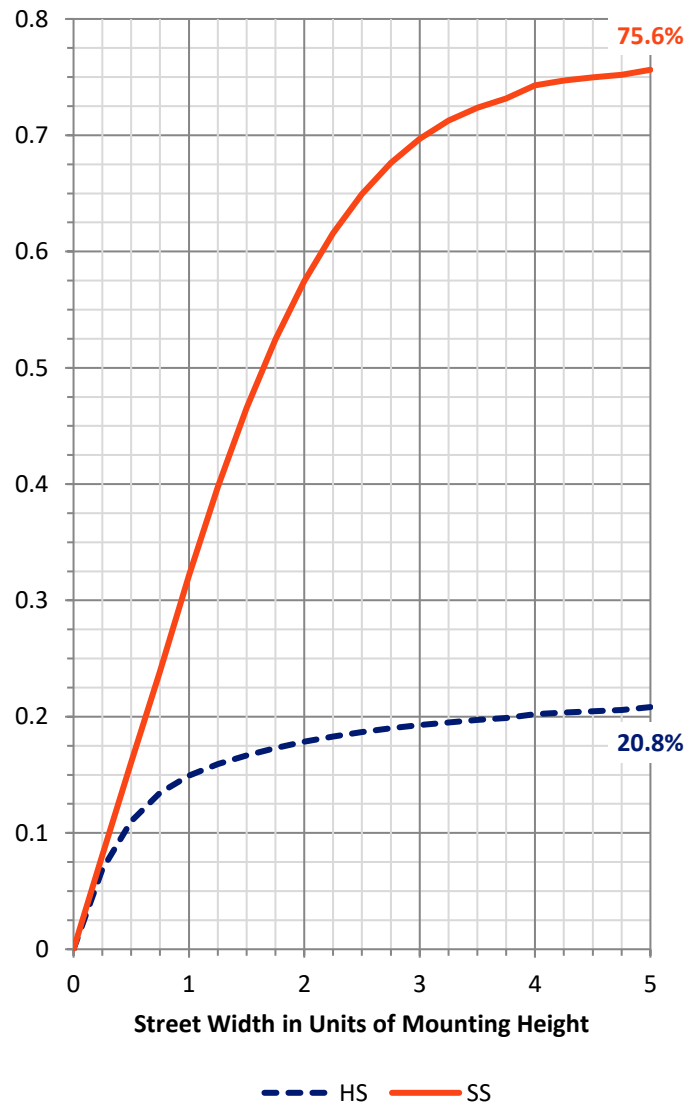
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1594.4	68.5	1662.9
	% Fixture	22.1	0.9	23.0
Street Side	Lumens	5509.3	57.4	5566.7
	% Fixture	76.2	0.8	77.0
Total	Lumens	7103.7	125.8	7229.5
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	65.0	0.9
20°-30°	246.7	3.4
30°-40°	524.4	7.3
40°-50°	862.0	11.9
50°-60°	1390.2	19.2
60°-70°	2008.7	27.8
70°-80°	1649.0	22.8
80°-90°	353.7	4.9
90°-100°	113.9	1.6
100°-110°	9.0	0.1
110°-120°	1.3	0.0
120°-130°	0.9	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7103.7	98.3
0°-180°	7229.5	100.0

Coefficient of Utilization



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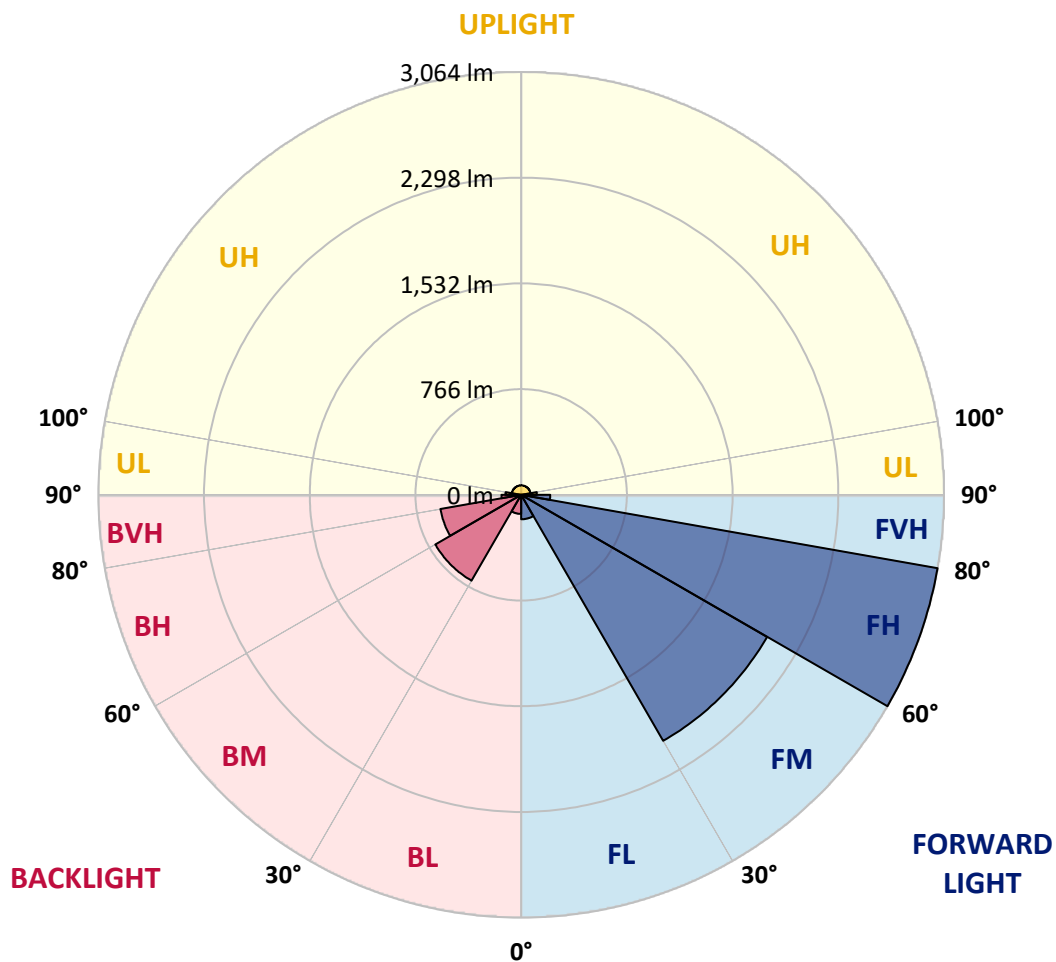
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.2	2.5			
FM (30°-60°)	2058.0	28.5			
FH (60°-80°)	3063.6	42.4			G2/5000
FVH (80°-90°)	210.5	2.9			G2/225
BL (0°-30°)	138.6	1.9	B1/500		
BM (30°-60°)	718.5	9.9	B1/1000		
BH (60°-80°)	594.1	8.2	B2/1000		G2/1000
BVH (80°-90°)	143.2	2.0			G2/225
UL (90°-100°)	113.9	1.6		U3/500	
UH (100°-180°)	68.5	0.9		U3/500	

BUG Rating: B2-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	6.0	5.1	4.3	3.5	3.5	2.5	2.5	2.5	3.5	3.5	3.5
5°	96.1	95.2	86.6	82.4	33.4	20.7	18.1	11.1	4.3	3.5	3.5
7.5°	114.2	112.4	109.9	115.0	107.3	93.6	85.8	49.8	13.7	4.3	3.5
10°	151.1	149.3	136.5	132.9	121.0	110.8	104.7	97.8	41.2	8.5	6.0
12.5°	285.8	276.3	268.6	227.5	153.6	124.4	123.5	115.8	96.9	87.6	106.4
15°	322.6	314.0	301.1	298.5	272.8	164.7	151.1	208.4	247.2	185.3	189.6
17.5°	365.5	369.8	352.7	316.7	294.3	314.9	346.7	306.3	271.1	225.7	229.1
20°	514.8	511.3	497.7	456.5	373.2	405.9	394.6	387.8	316.7	417.1	405.0
22.5°	534.5	533.7	526.9	502.0	536.3	432.4	429.0	477.9	471.0	479.6	462.4
25°	700.9	707.9	685.5	537.9	564.6	552.5	532.9	580.8	526.9	531.1	592.1
27.5°	734.5	731.0	719.1	689.0	597.2	654.7	649.6	616.1	683.8	720.7	725.0
30°	924.0	900.0	777.4	749.0	720.7	685.5	695.0	733.6	763.6	753.3	795.4
32.5°	1015.9	1009.9	990.1	878.6	779.9	759.3	809.2	822.8	805.7	954.1	1027.0
35°	1322.1	1294.7	1136.8	973.9	869.2	858.1	863.1	862.4	979.8	1006.5	1106.8
37.5°	1705.7	1669.7	1545.3	1194.3	949.0	898.3	941.2	985.0	1025.3	1102.5	1179.7
40°	1930.5	1911.7	1812.2	1476.6	1106.8	977.3	1019.2	1040.7	1094.0	1157.5	1287.0
42.5°	2103.0	2101.2	2038.7	1675.7	1322.1	1102.5	1110.2	1112.8	1152.3	1255.2	1408.8
45°	2220.5	2218.9	2230.0	1862.7	1528.0	1245.1	1245.8	1215.0	1243.3	1377.1	1577.9
47.5°	2366.3	2340.7	2366.3	2060.9	1706.6	1414.0	1398.5	1326.4	1385.6	1546.2	1813.0
50°	2512.2	2488.2	2498.5	2216.2	1883.3	1620.0	1592.4	1496.3	1577.9	1758.9	2103.8
52.5°	2702.7	2671.7	2625.4	2380.1	2122.8	1834.3	1795.8	1717.6	1793.2	2026.5	2471.1
55°	2842.5	2820.3	2804.8	2612.6	2291.8	2024.9	1998.3	1909.9	2114.2	2326.0	2863.2
57.5°	2951.6	2960.2	3007.3	2897.6	2609.1	2234.3	2191.3	2154.4	2417.0	2680.5	3283.6
60°	3066.5	3050.3	3166.0	3162.7	2877.8	2444.5	2453.0	2447.9	2725.8	3018.5	3771.9
62.5°	3059.6	3072.6	3281.0	3350.5	3108.6	2725.0	2758.4	2749.1	3042.5	3354.8	4133.9
65°	2782.5	2820.3	3274.1	3433.0	3394.2	3057.1	3112.8	3105.1	3408.9	3641.4	4363.0
67.5°	2600.7	2648.7	3076.9	3499.7	3665.4	3482.6	3527.3	3499.0	3670.6	3801.0	4363.8
70°	2410.2	2443.6	2824.6	3526.3	3958.0	4037.8	4066.1	3891.1	3888.6	3891.9	4006.0
72.5°	1961.4	1965.8	2310.6	3117.9	4085.0	4639.2	4753.3	4368.9	4001.7	3721.1	3218.4
74°	1423.5	1412.2	1764.0	2550.8	3841.3	4770.4	4917.2	4490.7	3926.2	3412.3	2550.8
75°	1027.0	1056.1	1317.0	2063.4	3466.3	4734.4	4884.7	4466.0	3770.0	3099.2	2074.6
77.5°	327.0	338.0	429.0	869.2	2122.8	3879.9	4145.9	3752.8	2871.0	1957.9	1072.4
80°	175.0	182.7	229.1	341.4	890.6	2252.3	2510.6	2180.1	1594.2	984.2	586.9
82.5°	104.7	109.9	150.1	205.9	461.5	935.2	1106.8	906.8	776.5	566.3	410.2
85°	67.8	69.4	87.6	127.0	299.4	368.0	431.5	444.4	442.8	397.3	329.5
87.5°	37.8	38.5	41.2	54.1	137.4	193.0	175.9	215.4	257.5	255.7	291.7
90°	26.6	26.6	22.3	24.1	75.5	193.9	176.7	189.6	170.8	200.9	301.1
92.5°	25.0	25.7	20.7	21.5	60.0	190.5	212.8	211.9	175.0	210.3	302.9
95°	20.7	22.3	16.3	18.1	37.8	163.0	211.1	210.3	154.5	166.5	215.4
97.5°	16.3	17.2	11.1	13.7	22.3	83.3	127.0	121.0	81.4	70.3	84.1
100°	10.3	11.1	6.0	9.4	13.7	27.5	45.5	48.1	37.8	17.2	10.3
102.5°	10.3	11.1	4.3	6.0	6.0	7.7	10.3	8.5	11.9	6.0	8.5
105°	10.3	11.1	3.5	2.5	1.6	2.5	1.6	2.5	4.3	5.1	10.3
107.5°	7.7	8.5	1.6	1.6	0.9	1.6	1.6	1.6	2.5	4.3	9.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	5.1	5.1	0.9	0.9	0.0	1.6	1.6	1.6	2.5	3.5	5.1
112.5°	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9	2.5	2.5	3.5
115°	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	1.6	2.5	4.3
117.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	1.6	2.5	4.3
120°	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.5	4.3
122.5°	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.5	4.3
125°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.5	4.3
127.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.5	3.5
130°	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.5	3.5
132.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.6	2.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.6	1.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.6	1.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.6	1.6
142.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.6	1.6
145°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	1.6	1.6	2.5
147.5°	1.6	0.9	0.9	0.0	0.0	0.0	0.0	0.0	1.6	2.5	2.5
150°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.6	2.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.6	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.5	2.5	1.6	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.5	2.5	1.6	1.6	0.9	0.9	1.6	2.5	4.3	6.0	6.0
7.5°	3.5	2.5	2.5	2.5	2.5	11.9	43.7	76.4	96.1	102.9	101.2
10°	6.0	5.1	5.1	5.1	25.7	84.1	112.4	115.0	123.5	125.3	124.4
12.5°	128.6	109.9	68.6	32.6	90.1	117.6	122.7	131.3	137.4	180.2	188.7
15°	190.5	187.8	182.7	193.0	209.3	134.7	165.6	221.3	250.5	261.6	265.1
17.5°	228.2	224.8	210.3	243.7	258.3	255.7	247.2	265.1	269.4	279.7	278.8
20°	414.4	405.9	362.0	287.5	270.3	339.7	278.8	279.7	347.5	387.8	384.4
22.5°	457.2	453.0	429.0	422.2	363.9	359.5	373.2	382.7	412.7	427.2	425.5
25°	593.7	588.6	477.1	437.6	443.7	380.9	445.3	416.2	429.0	467.6	462.4
27.5°	736.3	724.2	636.7	533.7	444.4	473.6	448.8	490.7	534.5	557.7	560.3
30°	804.8	783.3	681.3	561.1	487.3	468.5	471.9	535.4	543.1	562.9	567.1
32.5°	1063.1	1045.1	868.3	576.6	488.1	447.9	496.0	523.4	605.7	648.7	652.1
35°	1135.9	1120.5	876.0	646.9	471.0	464.2	469.4	544.8	586.9	617.8	623.0
37.5°	1215.0	1188.4	890.6	607.4	484.7	432.4	453.9	495.1	568.0	621.2	634.9
40°	1326.4	1278.5	882.0	566.3	450.5	422.2	420.4	469.4	501.1	526.9	531.1
42.5°	1468.9	1386.5	887.2	527.7	419.6	393.0	399.8	422.2	433.3	435.0	435.0
45°	1644.0	1521.2	909.4	496.0	393.8	379.3	381.8	387.8	389.5	368.9	366.4
47.5°	1880.0	1694.6	928.4	471.0	375.0	369.8	362.0	365.5	358.7	331.1	327.7
50°	2159.5	1901.4	944.7	441.8	357.7	356.9	355.2	342.3	330.3	304.5	301.1
52.5°	2459.0	2146.0	953.2	410.2	344.1	346.7	348.4	327.0	309.7	290.1	288.3
55°	2850.3	2430.8	973.9	380.9	327.7	332.9	342.3	320.9	304.5	291.7	299.4
57.5°	3236.5	2746.5	956.7	354.3	315.8	320.1	334.6	326.1	318.3	318.3	320.1
60°	3610.5	3020.2	850.2	332.9	304.5	309.7	340.6	356.1	355.2	371.4	375.9
62.5°	3862.0	3162.7	693.2	314.0	295.2	314.9	368.9	405.0	398.9	405.9	409.3
65°	3964.0	3153.9	528.6	300.4	289.2	337.3	401.5	436.8	414.4	398.9	395.6
67.5°	3855.9	2964.3	429.0	289.2	289.2	357.7	429.0	438.5	414.4	415.2	409.3
70°	3417.4	2522.5	368.9	277.9	293.4	354.3	442.8	435.9	415.2	429.8	421.2
72.5°	2564.7	1797.5	331.1	270.3	291.7	340.6	435.0	435.0	417.8	446.2	437.6
74°	1945.1	1302.5	314.9	267.6	283.1	333.8	432.4	430.6	411.0	435.9	427.2
75°	1532.4	995.3	304.5	264.3	277.9	329.5	428.1	426.4	407.6	434.2	427.2
77.5°	783.3	519.9	280.6	258.3	265.1	323.5	417.1	417.8	393.8	418.7	413.6
80°	499.4	393.8	249.6	238.5	255.7	324.3	410.2	405.9	378.4	405.9	393.8
82.5°	398.0	325.1	202.5	206.8	243.7	319.2	405.9	386.1	358.7	399.8	358.7
85°	319.2	273.8	139.9	152.7	216.2	293.4	387.0	345.8	317.6	323.5	318.3
87.5°	269.4	221.3	66.0	99.5	169.1	224.8	287.5	267.6	246.2	256.6	245.3
90°	272.8	212.8	47.3	76.4	152.7	187.0	229.1	200.9	188.7	192.1	185.3
92.5°	265.1	203.3	48.1	63.5	149.3	205.1	242.0	205.1	181.1	174.2	168.2
95°	179.3	140.8	44.6	49.8	95.2	161.2	195.7	155.2	126.1	111.5	107.3
97.5°	68.6	61.8	38.5	41.2	49.8	85.8	113.2	99.5	67.8	48.9	46.4
100°	10.3	17.2	31.7	38.5	29.1	32.6	47.3	53.2	34.3	3.5	2.5
102.5°	11.1	9.4	12.8	29.1	17.2	6.8	14.6	29.1	18.9	1.6	1.6
105°	12.8	10.3	5.1	12.8	4.3	0.9	0.9	6.0	4.3	0.9	1.6
107.5°	11.1	9.4	3.5	2.5	0.9	0.9	0.0	0.0	0.0	0.9	1.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.0	6.0	3.5	1.6	0.9	0.9	0.0	0.0	0.0	1.6	1.6
112.5°	4.3	4.3	2.5	1.6	0.9	0.0	0.0	0.0	0.0	1.6	2.5
115°	5.1	4.3	2.5	0.9	0.0	0.0	0.0	0.0	0.0	2.5	2.5
117.5°	5.1	5.1	2.5	0.9	0.0	0.0	0.0	0.0	0.0	2.5	3.5
120°	5.1	5.1	2.5	0.9	0.0	0.0	0.0	0.0	0.0	2.5	2.5
122.5°	5.1	4.3	2.5	0.9	0.0	0.0	0.0	0.0	0.0	1.6	2.5
125°	4.3	4.3	2.5	0.9	0.0	0.0	0.0	0.0	0.0	1.6	1.6
127.5°	4.3	4.3	2.5	0.9	0.0	0.0	0.0	0.0	0.0	0.9	1.6
130°	3.5	3.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
132.5°	2.5	2.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	2.5	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.5	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.5	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)