

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: P266194

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T4W-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266194
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-AF24-80-D-U-T4W-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 6705.4 lumens
Efficiency: N/A
Efficacy: 80.8 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): 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

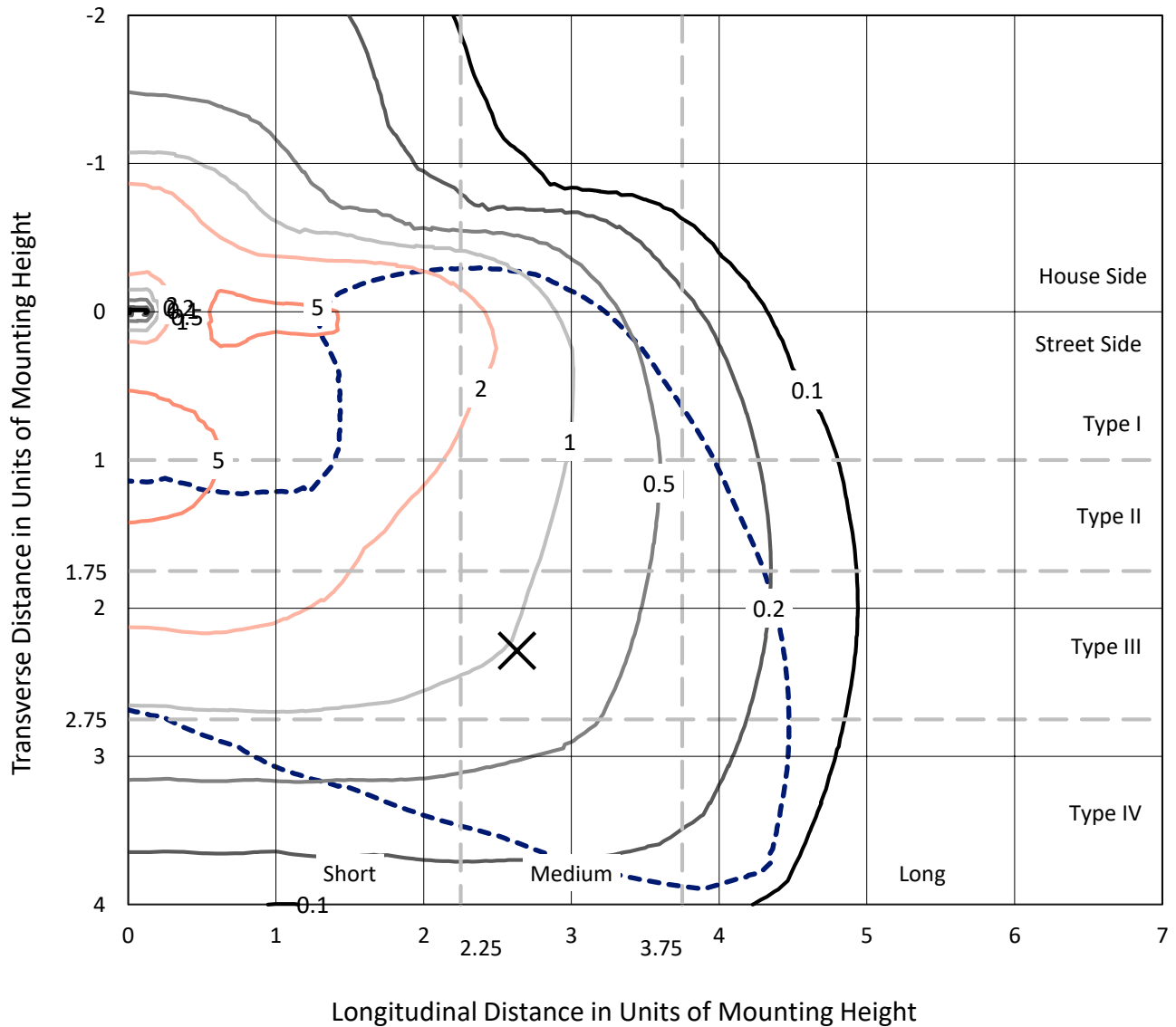


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Iso-Footcandle Lines of Horizontal Illumination

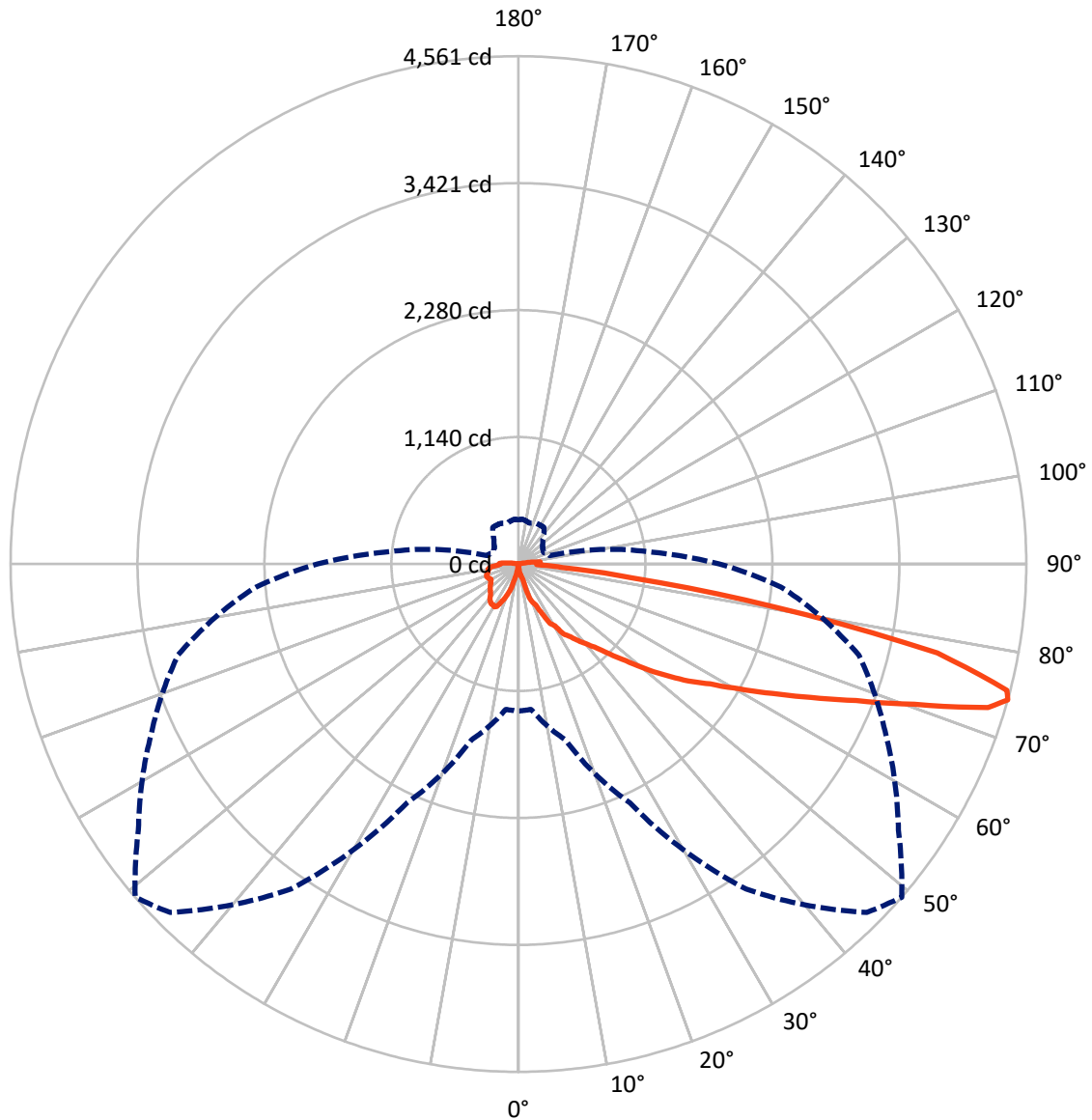
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 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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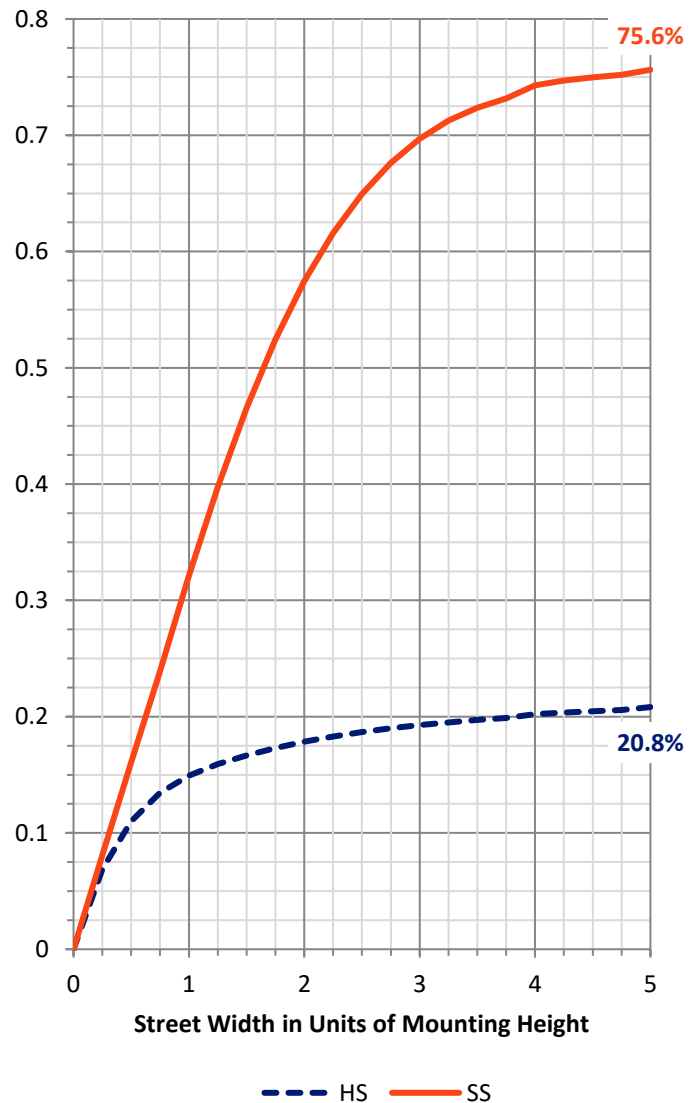
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1478.8	63.5	1542.3
	% Fixture	22.1	0.9	23.0
Street Side	Lumens	5109.9	53.2	5163.1
	% Fixture	76.2	0.8	77.0
Total	Lumens	6588.7	116.7	6705.4
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	60.3	0.9
20°-30°	228.8	3.4
30°-40°	486.4	7.3
40°-50°	799.5	11.9
50°-60°	1289.4	19.2
60°-70°	1863.0	27.8
70°-80°	1529.5	22.8
80°-90°	328.1	4.9
90°-100°	105.6	1.6
100°-110°	8.3	0.1
110°-120°	1.2	0.0
120°-130°	0.8	0.0
130°-140°	0.3	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°	6588.7	98.3
0°-180°	6705.4	100.0



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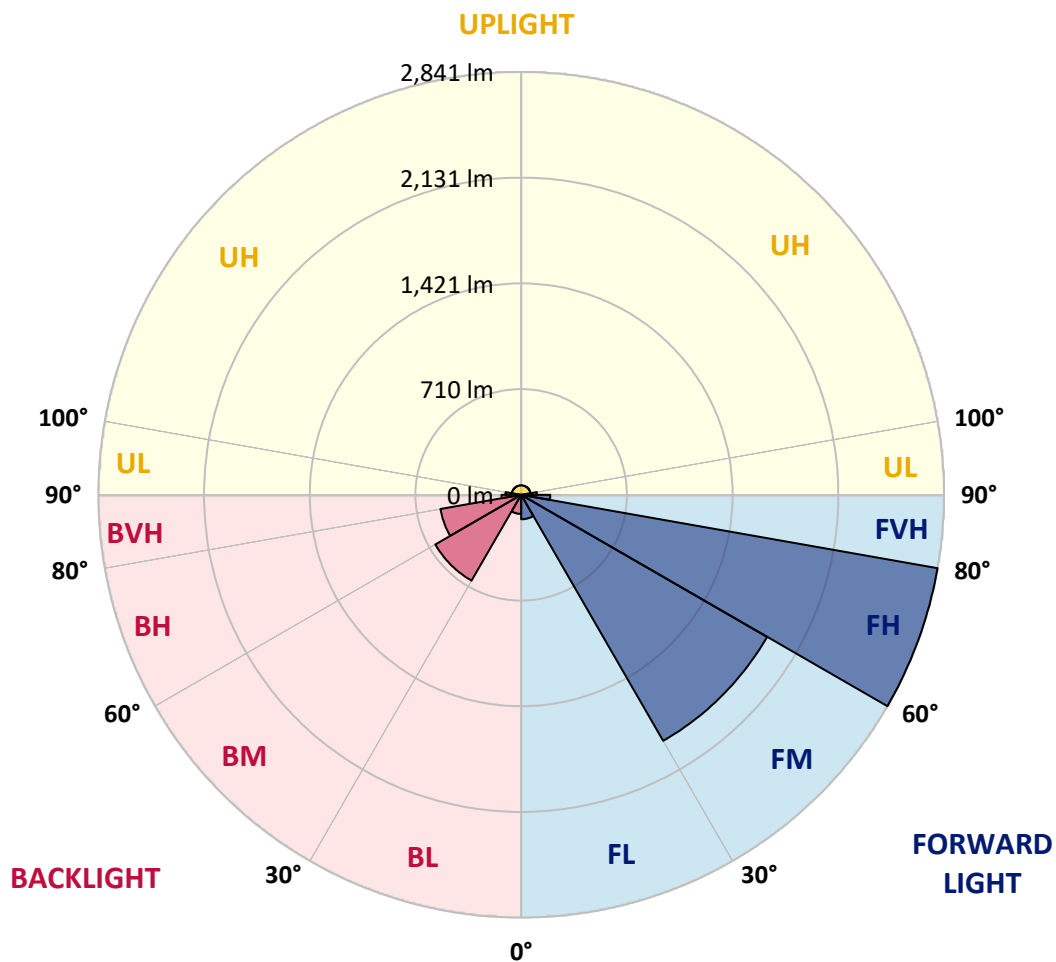
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	164.3	2.5			
FM (30°-60°)	1908.8	28.5			
FH (60°-80°)	2841.5	42.4			G2/5000
FVH (80°-90°)	195.3	2.9			G2/225
BL (0°-30°)	128.6	1.9	B1/500		
BM (30°-60°)	666.4	9.9	B1/1000		
BH (60°-80°)	551.0	8.2	B2/1000		G2/1000
BVH (80°-90°)	132.8	2.0			G2/225
UL (90°-100°)	105.6	1.6		U3/500	
UH (100°-180°)	63.5	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	5.6	4.9	4.0	3.1	3.1	2.3	2.3	2.3	3.1	3.1	3.1
5°	89.1	88.4	80.4	76.4	31.0	19.1	16.7	10.3	4.0	3.1	3.1
7.5°	105.8	104.3	101.9	106.5	99.5	86.7	79.6	46.2	12.8	4.0	3.1
10°	140.0	138.5	126.5	123.3	112.2	102.6	97.0	90.6	38.2	7.9	5.6
12.5°	265.0	256.2	249.1	210.9	142.4	115.4	114.7	107.4	89.9	81.1	98.6
15°	299.2	291.3	279.4	276.9	253.1	152.8	140.0	193.3	229.2	171.8	175.9
17.5°	339.0	343.1	327.1	293.7	272.9	292.0	321.6	284.1	251.4	209.2	212.4
20°	477.4	474.2	461.5	423.5	346.1	376.4	366.1	359.7	293.7	386.8	375.6
22.5°	495.8	495.0	488.6	465.5	497.4	401.2	397.9	443.3	436.8	444.8	428.9
25°	650.2	656.5	635.8	499.0	523.6	512.6	494.2	538.8	488.6	492.6	549.1
27.5°	681.3	678.0	666.9	639.1	553.9	607.3	602.5	571.4	634.3	668.5	672.4
30°	857.2	834.9	721.0	694.7	668.5	635.8	644.7	680.5	708.3	698.7	737.7
32.5°	942.2	936.7	918.3	814.9	723.3	704.4	750.4	763.2	747.3	884.9	952.7
35°	1226.4	1200.9	1054.4	903.2	806.1	795.8	800.6	799.9	908.8	933.5	1026.7
37.5°	1582.1	1548.7	1433.2	1107.8	880.2	833.2	873.1	913.5	950.9	1022.6	1094.2
40°	1790.5	1773.1	1680.8	1369.6	1026.7	906.4	945.5	965.3	1014.6	1073.6	1193.7
42.5°	1950.5	1949.0	1890.8	1554.2	1226.4	1022.6	1029.7	1032.2	1068.8	1164.3	1306.8
45°	2059.5	2057.9	2068.3	1727.7	1417.3	1154.7	1155.5	1126.8	1153.2	1277.3	1463.5
47.5°	2194.7	2170.9	2194.7	1911.6	1582.9	1311.4	1297.2	1230.3	1285.3	1434.1	1681.5
50°	2330.2	2307.8	2317.4	2055.5	1746.8	1502.4	1477.1	1387.9	1463.5	1631.4	1951.3
52.5°	2506.8	2478.2	2435.1	2207.6	1968.8	1701.4	1665.5	1593.2	1663.2	1879.8	2291.9
55°	2636.4	2615.9	2601.5	2423.2	2125.6	1878.0	1853.5	1771.5	1960.9	2157.4	2655.6
57.5°	2737.6	2745.5	2789.2	2687.4	2420.0	2072.3	2032.4	1998.3	2241.8	2486.1	3045.6
60°	2844.3	2829.1	2936.5	2933.3	2669.1	2267.2	2275.1	2270.5	2528.3	2799.7	3498.4
62.5°	2837.8	2849.8	3043.2	3107.6	2883.2	2527.6	2558.6	2549.7	2821.9	3111.5	3834.1
65°	2580.8	2615.9	3036.8	3184.0	3148.2	2835.5	2887.2	2880.1	3161.8	3377.4	4046.7
67.5°	2412.0	2456.7	2853.7	3246.0	3399.6	3230.1	3271.5	3245.2	3404.4	3525.4	4047.5
70°	2235.4	2266.5	2619.7	3270.8	3671.1	3745.0	3771.4	3609.0	3606.5	3609.7	3715.6
72.5°	1819.2	1823.2	2143.0	2892.0	3788.8	4302.9	4408.7	4052.3	3711.6	3451.4	2985.1
74°	1320.2	1309.9	1636.2	2366.0	3562.8	4424.7	4560.8	4165.3	3641.5	3164.9	2366.0
75°	952.7	979.6	1221.5	1913.8	3215.0	4391.3	4530.5	4142.2	3496.7	2874.4	1924.3
77.5°	303.2	313.6	397.9	806.1	1968.8	3598.6	3845.4	3480.8	2662.8	1816.1	994.8
80°	162.4	169.5	212.4	316.7	826.0	2089.0	2328.5	2022.2	1478.6	912.8	544.4
82.5°	97.0	101.9	139.2	191.0	428.1	867.5	1026.7	841.2	720.3	525.1	380.4
85°	62.9	64.5	81.1	117.8	277.8	341.4	400.3	412.2	410.6	368.5	305.7
87.5°	35.0	35.8	38.2	50.1	127.3	179.0	163.1	199.8	238.7	237.2	270.6
90°	24.7	24.7	20.8	22.3	70.1	179.8	163.9	175.9	158.5	186.2	279.4
92.5°	23.0	23.9	19.1	19.9	55.8	176.6	197.4	196.5	162.4	195.0	280.9
95°	19.1	20.8	15.1	16.7	35.0	151.3	195.8	195.0	143.2	154.4	199.8
97.5°	15.1	15.9	10.3	12.8	20.8	77.2	117.8	112.2	75.5	65.2	78.1
100°	9.5	10.3	5.6	8.8	12.8	25.4	42.2	44.6	35.0	15.9	9.5
102.5°	9.5	10.3	4.0	5.6	5.6	7.1	9.5	7.9	11.1	5.6	7.9
105°	9.5	10.3	3.1	2.3	1.5	2.3	1.5	2.3	4.0	4.9	9.5
107.5°	7.1	7.9	1.5	1.5	0.8	1.5	1.5	1.5	2.3	4.0	8.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	4.9	4.9	0.8	0.8	0.0	1.5	1.5	1.5	2.3	3.1	4.9
112.5°	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	2.3	2.3	3.1
115°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.5	2.3	4.0
117.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	4.0
120°	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.3	4.0
122.5°	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.3	4.0
125°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.3	4.0
127.5°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.3	3.1
130°	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.3	3.1
132.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
142.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5	1.5
145°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	1.5	1.5	2.3
147.5°	1.5	0.8	0.8	0.0	0.0	0.0	0.0	0.0	1.5	2.3	2.3
150°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.3	2.3	1.5	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.3	2.3	1.5	1.5	0.8	0.8	1.5	2.3	4.0	5.6	5.6
7.5°	3.1	2.3	2.3	2.3	2.3	11.1	40.7	70.8	89.1	95.5	94.0
10°	5.6	4.9	4.9	4.9	23.9	78.1	104.3	106.5	114.7	116.2	115.4
12.5°	119.4	101.9	63.7	30.3	83.5	109.1	113.7	121.8	127.3	167.2	175.1
15°	176.6	174.4	169.5	179.0	194.2	125.0	153.6	205.4	232.4	242.7	245.9
17.5°	211.7	208.4	195.0	226.1	239.6	237.2	229.2	245.9	249.9	259.4	258.6
20°	384.4	376.4	335.8	266.5	250.6	315.1	258.6	259.4	322.3	359.7	356.4
22.5°	424.2	420.1	397.9	391.5	337.5	333.5	346.1	354.9	382.8	396.3	394.7
25°	550.8	545.9	442.4	405.9	411.5	353.4	413.0	385.9	397.9	433.7	428.9
27.5°	682.8	671.7	590.5	495.0	412.2	439.4	416.3	455.3	495.8	517.2	519.7
30°	746.4	726.5	631.9	520.5	451.9	434.5	437.7	496.7	503.7	522.0	526.0
32.5°	986.0	969.4	805.4	534.9	452.8	415.3	460.0	485.4	561.8	601.7	604.7
35°	1053.6	1039.2	812.4	600.1	436.8	430.6	435.3	505.3	544.4	572.9	577.8
37.5°	1126.8	1102.2	826.0	563.4	449.6	401.2	420.9	459.2	526.9	576.2	588.8
40°	1230.3	1185.8	818.0	525.1	417.8	391.5	390.0	435.3	464.8	488.6	492.6
42.5°	1362.4	1286.1	822.8	489.4	389.1	364.5	370.8	391.5	401.9	403.5	403.5
45°	1524.8	1411.0	843.6	460.0	365.3	351.7	354.1	359.7	361.3	342.3	339.7
47.5°	1743.6	1571.8	861.0	436.8	347.7	343.1	335.8	339.0	332.6	307.2	303.9
50°	2003.0	1763.6	876.1	409.8	331.8	331.0	329.5	317.6	306.4	282.4	279.4
52.5°	2280.7	1990.4	884.1	380.4	319.1	321.6	323.1	303.2	287.3	269.0	267.3
55°	2643.6	2254.6	903.2	353.4	303.9	308.7	317.6	297.6	282.4	270.6	277.8
57.5°	3001.7	2547.4	887.3	328.7	292.8	296.8	310.4	302.4	295.3	295.3	296.8
60°	3348.7	2801.3	788.6	308.7	282.4	287.3	315.9	330.2	329.5	344.6	348.5
62.5°	3581.9	2933.3	642.9	291.3	273.8	292.0	342.3	375.6	370.0	376.4	379.7
65°	3676.7	2925.4	490.3	278.6	268.1	312.8	372.4	405.0	384.4	370.0	366.9
67.5°	3576.3	2749.5	397.9	268.1	268.1	331.8	397.9	406.7	384.4	385.2	379.7
70°	3169.7	2339.6	342.3	257.9	272.1	328.7	410.6	404.2	385.2	398.7	390.8
72.5°	2378.6	1667.3	307.2	250.6	270.6	315.9	403.5	403.5	387.6	413.8	405.9
74°	1804.1	1208.0	292.0	248.3	262.7	309.6	401.2	399.4	381.2	404.2	396.3
75°	1421.3	923.2	282.4	245.1	257.9	305.7	397.1	395.6	377.9	402.7	396.3
77.5°	726.5	482.3	260.1	239.6	245.9	300.0	386.8	387.6	365.3	388.3	383.5
80°	463.2	365.3	231.6	221.3	237.2	300.8	380.4	376.4	351.0	376.4	365.3
82.5°	369.3	301.7	187.8	191.8	226.1	296.0	376.4	358.2	332.6	370.8	332.6
85°	296.0	254.0	129.7	141.7	200.5	272.1	359.0	320.8	294.5	300.0	295.3
87.5°	249.9	205.4	61.3	92.3	156.8	208.4	266.5	248.3	228.3	238.0	227.6
90°	253.1	197.4	43.7	70.8	141.7	173.6	212.4	186.2	175.1	178.3	171.8
92.5°	245.9	188.6	44.6	58.8	138.5	190.3	224.4	190.3	168.0	161.5	155.9
95°	166.4	130.6	41.4	46.2	88.4	149.6	181.5	144.1	117.0	103.5	99.5
97.5°	63.7	57.3	35.8	38.2	46.2	79.6	105.0	92.3	62.9	45.4	42.9
100°	9.5	15.9	29.5	35.8	27.0	30.3	43.7	49.3	31.8	3.1	2.3
102.5°	10.3	8.8	11.9	27.0	15.9	6.4	13.6	27.0	17.4	1.5	1.5
105°	11.9	9.5	4.9	11.9	4.0	0.8	0.8	5.6	4.0	0.8	1.5
107.5°	10.3	8.8	3.1	2.3	0.8	0.8	0.0	0.0	0.0	0.8	1.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.6	5.6	3.1	1.5	0.8	0.8	0.0	0.0	0.0	1.5	1.5
112.5°	4.0	4.0	2.3	1.5	0.8	0.0	0.0	0.0	0.0	1.5	2.3
115°	4.9	4.0	2.3	0.8	0.0	0.0	0.0	0.0	0.0	2.3	2.3
117.5°	4.9	4.9	2.3	0.8	0.0	0.0	0.0	0.0	0.0	2.3	3.1
120°	4.9	4.9	2.3	0.8	0.0	0.0	0.0	0.0	0.0	2.3	2.3
122.5°	4.9	4.0	2.3	0.8	0.0	0.0	0.0	0.0	0.0	1.5	2.3
125°	4.0	4.0	2.3	0.8	0.0	0.0	0.0	0.0	0.0	1.5	1.5
127.5°	4.0	4.0	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.5
130°	3.1	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
132.5°	2.3	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.3	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	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)