

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: P415825

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-727-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5916 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

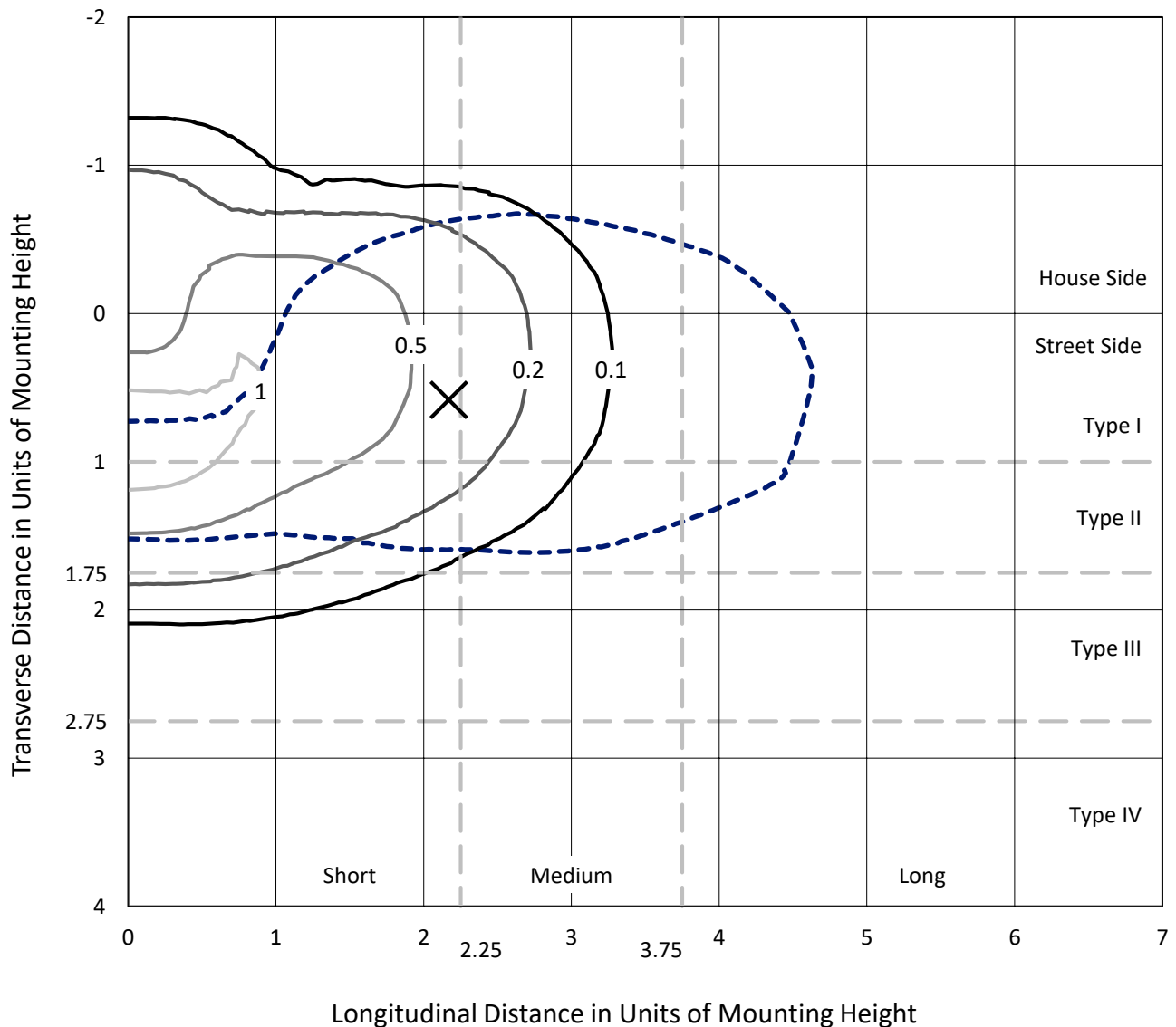
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

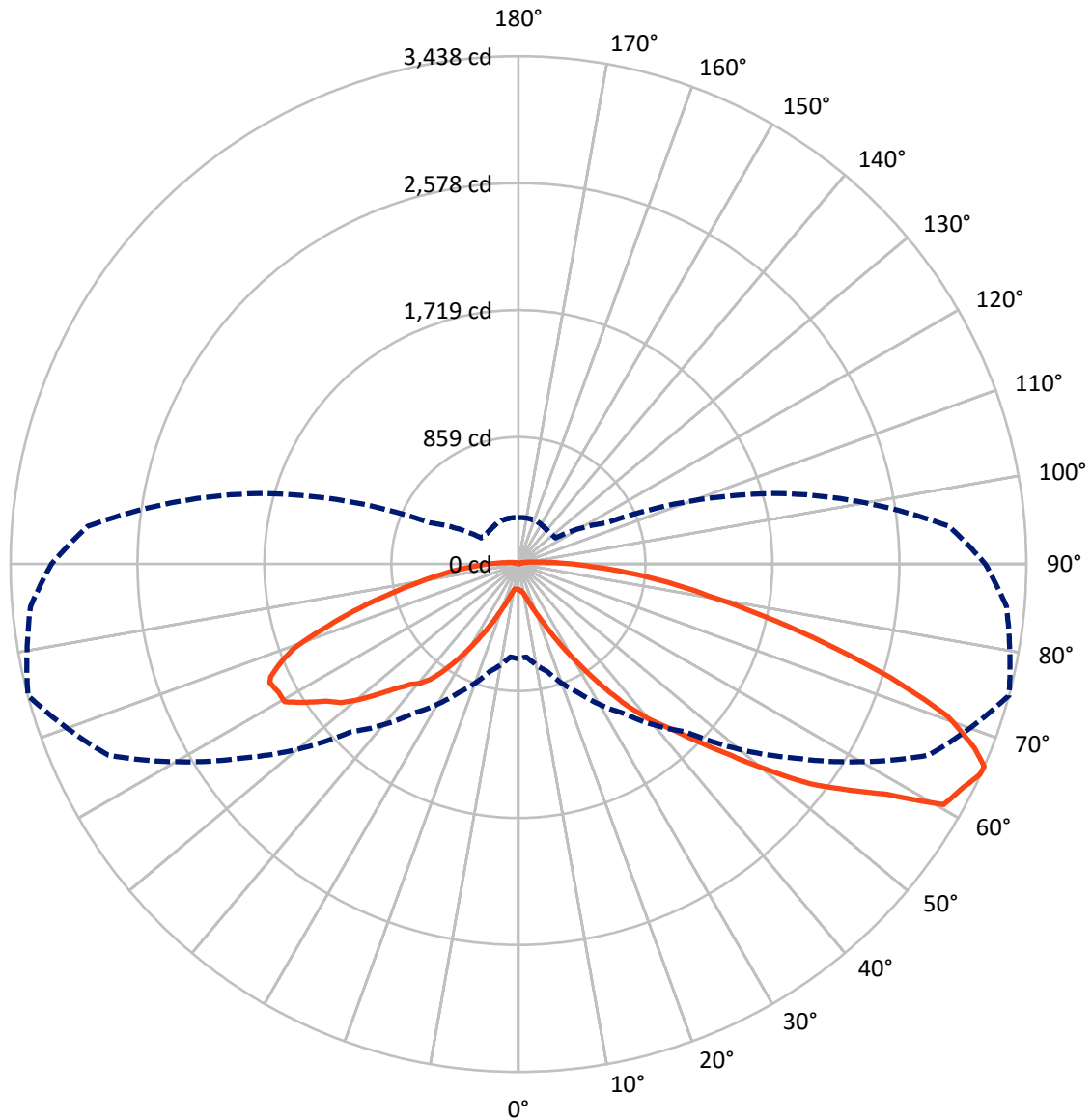
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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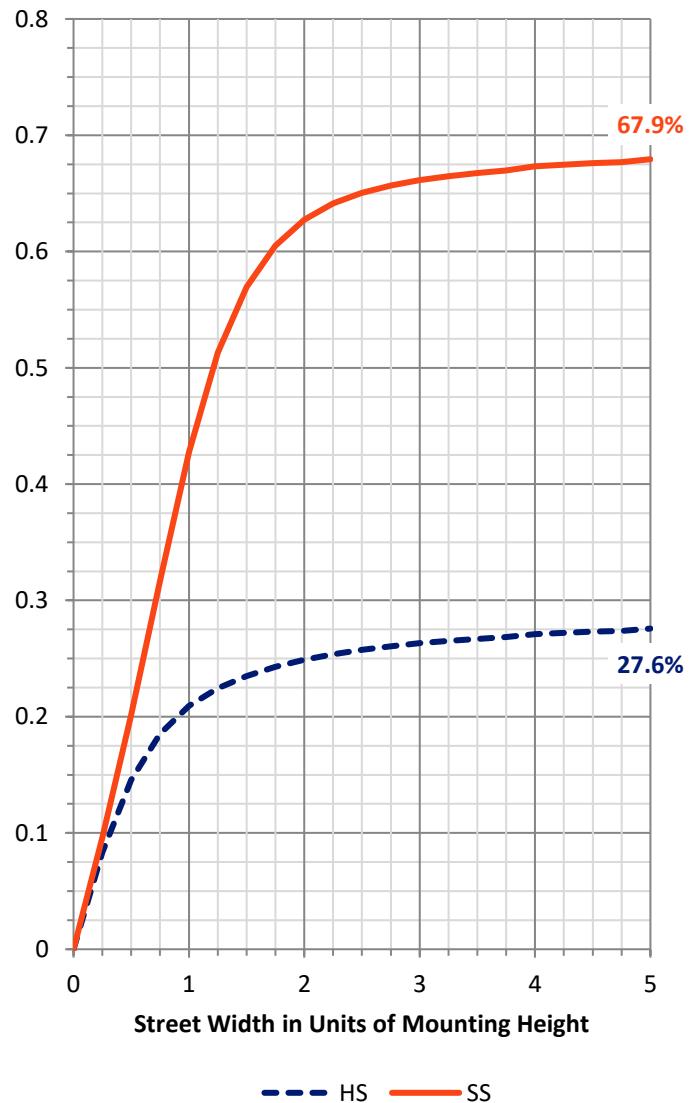
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1680.3	82.0	1762.3
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	4072.6	81.1	4153.7
	% Fixture	68.8	1.4	70.2
Total	Lumens	5752.8	163.2	5916.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	0.3
10°-20°	74.3	1.3
20°-30°	225.5	3.8
30°-40°	557.7	9.4
40°-50°	1007.1	17.0
50°-60°	1360.8	23.0
60°-70°	1366.0	23.1
70°-80°	825.0	13.9
80°-90°	318.9	5.4
90°-100°	94.7	1.6
100°-110°	34.2	0.6
110°-120°	16.6	0.3
120°-130°	9.8	0.2
130°-140°	5.8	0.1
140°-150°	1.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5752.8	97.2
0°-180°	5916.0	100.0



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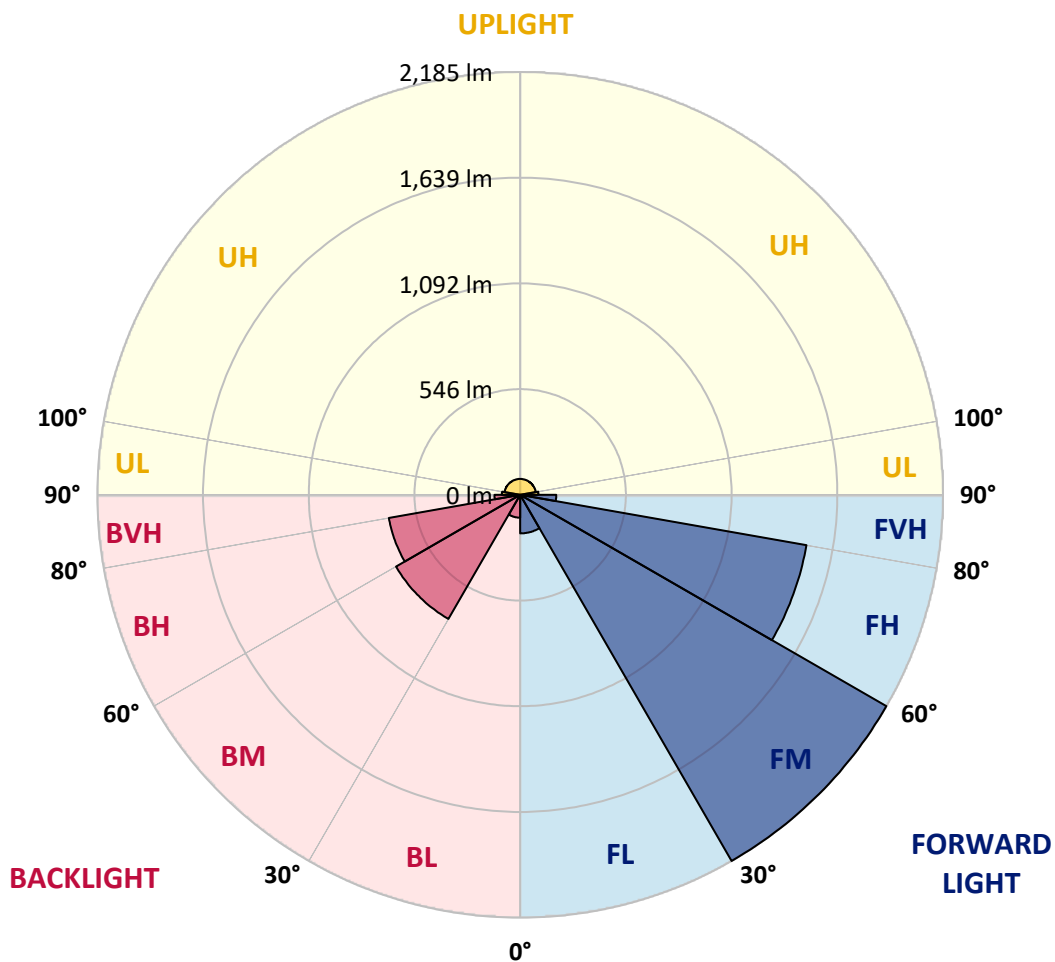
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.3	3.4			
FM (30°-60°)	2184.9	36.9			
FH (60°-80°)	1502.1	25.4			G1/1800
FVH (80°-90°)	186.3	3.1			G2/225
BL (0°-30°)	118.1	2.0	B1/500		
BM (30°-60°)	740.7	12.5	B1/1000		
BH (60°-80°)	688.9	11.6	B2/1000		G2/1000
BVH (80°-90°)	132.7	2.2			G2/225
UL (90°-100°)	94.7	1.6		U3/500	
UH (100°-180°)	82.0	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7
2.5°	192.4	191.0	189.7	188.3	186.9	185.6	182.8	179.4	176.7	176.7	174.0
5°	210.1	208.8	206.7	204.0	201.3	198.5	193.1	187.6	182.2	182.2	177.4
7.5°	232.0	231.3	228.6	225.1	219.0	212.9	206.0	197.9	190.3	189.7	183.5
10°	259.9	258.6	254.5	249.7	242.9	234.7	225.1	214.9	204.0	203.3	195.8
12.5°	298.8	296.1	289.3	281.8	268.8	260.6	249.7	240.2	232.0	229.9	219.7
15°	349.3	345.9	338.4	325.4	308.4	293.4	287.2	277.0	268.1	265.4	255.8
17.5°	414.1	410.7	397.7	377.3	359.5	344.5	330.9	320.7	313.2	312.5	298.8
20°	502.8	494.6	473.5	444.8	421.6	403.2	384.1	372.5	365.0	362.3	354.1
22.5°	612.0	609.9	579.9	542.4	504.2	470.7	449.6	436.6	431.2	431.9	427.1
25°	751.2	745.0	716.4	661.8	604.5	562.2	532.8	524.6	524.0	519.2	517.1
27.5°	899.9	891.7	854.2	801.6	725.9	668.6	635.9	627.0	629.0	623.6	627.7
30°	1082.0	1077.9	1023.4	947.0	865.1	790.0	755.9	748.4	753.2	760.0	755.9
32.5°	1307.2	1313.3	1239.0	1135.9	1021.3	934.7	897.2	894.4	901.2	899.9	897.8
35°	1581.4	1592.4	1489.3	1364.5	1206.9	1103.9	1056.8	1053.4	1067.0	1065.7	1067.0
37.5°	1874.8	1879.6	1795.7	1597.8	1414.3	1271.7	1232.8	1228.7	1241.7	1234.2	1226.7
40°	2106.1	2128.6	2030.4	1860.5	1621.0	1475.7	1428.6	1406.1	1394.5	1386.3	1331.7
42.5°	2325.1	2311.4	2241.9	2052.9	1833.2	1674.9	1612.1	1569.8	1532.3	1526.9	1466.8
45°	2468.4	2451.3	2385.1	2210.5	2004.4	1873.4	1815.5	1764.3	1722.0	1702.9	1630.6
47.5°	2476.5	2468.4	2452.7	2321.7	2141.6	2027.6	2008.5	1981.2	1934.8	1935.5	1842.7
50°	2351.7	2338.7	2384.4	2334.6	2209.8	2149.8	2222.1	2252.1	2192.7	2186.6	2090.4
52.5°	2130.7	2123.8	2207.1	2256.2	2211.8	2235.0	2407.0	2516.1	2469.7	2445.2	2321.0
55°	1906.9	1915.1	1987.4	2066.5	2139.5	2259.6	2570.7	2788.3	2696.9	2680.5	2525.7
57.5°	1601.9	1629.2	1737.0	1861.2	1975.8	2225.5	2656.7	2960.9	2937.7	2931.6	2799.3
60°	1267.6	1264.9	1424.5	1605.3	1793.6	2112.9	2661.4	3177.9	3306.8	3277.5	3090.6
62.5°	984.5	991.3	1105.9	1332.4	1584.9	1941.7	2595.9	3274.8	3360.7	3327.3	3164.3
65°	712.9	723.9	863.7	1046.6	1331.7	1710.4	2409.7	3143.1	3433.7	3413.3	3321.2
66°	640.6	631.1	753.9	961.3	1232.1	1608.1	2292.3	3063.3	3437.8	3426.2	3316.4
67.5°	515.1	527.4	622.2	803.0	1071.8	1445.0	2080.2	2935.7	3331.4	3315.7	3242.0
70°	381.4	393.0	457.8	602.4	813.2	1152.3	1719.9	2535.9	3080.3	3091.9	3083.7
72.5°	282.4	294.7	339.1	443.5	601.7	856.9	1363.1	2137.5	2634.1	2661.4	2642.3
75°	219.7	224.5	261.3	334.3	440.0	603.8	1008.4	1656.5	2144.3	2194.8	2212.5
77.5°	176.7	180.8	210.8	257.9	329.5	440.7	706.8	1234.9	1697.4	1732.9	1766.3
80°	142.6	145.3	169.9	207.4	252.4	315.2	476.9	897.2	1302.4	1322.9	1372.0
82.5°	114.6	116.7	134.4	166.5	201.9	239.5	339.1	626.3	1022.7	1041.8	1103.9
85°	90.1	91.4	107.1	132.4	162.4	189.7	244.9	442.8	736.8	754.6	829.6
87.5°	71.0	72.3	84.6	103.0	131.0	150.1	180.8	298.1	497.4	522.6	607.9
90°	55.9	56.6	65.5	79.8	101.7	122.1	141.9	208.1	331.6	345.9	393.7
92.5°	42.3	43.0	49.8	60.7	79.1	96.9	108.5	144.0	212.2	218.3	252.4
95°	31.4	32.1	37.5	44.3	59.4	75.7	83.9	101.0	133.7	141.9	150.8
97.5°	24.6	25.2	28.7	32.7	43.7	59.4	66.9	74.4	91.4	94.1	101.0
100°	21.1	21.1	23.2	25.9	32.7	46.4	52.5	58.7	68.9	68.9	73.0
102.5°	17.7	17.7	19.1	20.5	26.6	36.8	42.3	46.4	51.9	52.5	55.9
105°	15.7	15.7	16.4	17.7	22.5	30.0	34.8	36.8	40.3	40.3	41.6
107.5°	13.6	13.6	14.3	15.0	19.8	25.2	28.0	28.7	30.0	30.0	32.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	13.0	13.0	13.0	13.6	17.1	21.8	23.2	22.5	23.2	23.2	25.2
112.5°	12.3	11.6	11.6	12.3	15.7	19.1	19.1	18.4	18.4	18.4	20.5
115°	11.6	11.6	10.9	11.6	14.3	16.4	16.4	15.0	15.0	15.0	17.1
117.5°	11.6	11.6	10.9	10.9	13.0	15.0	14.3	13.0	12.3	13.0	15.0
120°	11.6	11.6	10.2	10.2	12.3	13.0	13.0	10.9	10.9	10.9	13.0
122.5°	11.6	11.6	10.2	10.2	11.6	12.3	11.6	9.6	9.6	9.6	11.6
125°	12.3	11.6	10.2	10.2	10.9	10.9	10.2	8.9	8.2	8.2	10.2
127.5°	12.3	12.3	10.9	10.2	10.2	10.2	9.6	8.2	7.5	7.5	9.6
130°	13.6	13.0	11.6	10.2	9.6	8.9	8.2	7.5	7.5	7.5	8.9
132.5°	13.6	13.6	11.6	9.6	8.9	8.2	7.5	6.1	6.8	6.8	8.2
135°	13.0	12.3	10.2	8.9	8.2	6.8	6.1	5.5	6.1	6.1	7.5
137.5°	11.6	10.9	9.6	7.5	6.8	5.5	4.8	4.1	4.8	4.8	6.1
140°	9.6	9.6	7.5	6.1	5.5	4.8	4.1	2.7	3.4	4.1	4.8
142.5°	8.2	7.5	6.1	4.8	4.1	3.4	2.7	2.0	2.7	2.7	3.4
145°	6.8	6.1	4.8	3.4	2.7	2.0	1.4	1.4	1.4	1.4	2.0
147.5°	5.5	4.8	3.4	2.0	1.4	1.4	0.7	0.7	1.4	1.4	1.4
150°	4.1	4.1	2.7	1.4	0.7	0.7	0.0	0.7	0.7	0.7	0.7
152.5°	3.4	3.4	2.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7
155°	2.0	2.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	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°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7
2.5°	173.3	171.9	170.6	169.2	167.8	167.2	165.1	163.7	163.7	163.7	163.1
5°	175.3	172.6	169.2	166.5	163.1	160.3	158.3	156.2	154.9	154.9	154.9
7.5°	180.1	177.4	171.2	165.8	161.0	156.9	154.2	152.1	151.5	150.8	150.8
10°	191.0	186.3	178.1	169.9	163.1	157.6	154.9	153.5	152.8	152.8	152.8
12.5°	215.6	208.8	196.5	182.8	171.2	163.1	160.3	160.3	164.4	166.5	166.5
15°	248.3	242.2	227.9	208.8	190.3	176.7	174.7	179.4	184.9	187.6	186.9
17.5°	293.4	285.2	266.1	240.8	216.3	202.6	196.5	201.3	208.1	211.5	211.5
20°	346.6	338.4	312.5	278.4	248.3	233.3	223.8	223.8	232.6	235.4	236.7
22.5°	419.6	407.3	370.5	323.4	284.5	261.3	249.7	247.7	257.9	262.7	261.3
25°	501.5	491.9	448.9	378.6	328.2	290.6	274.9	274.9	287.9	298.8	299.5
27.5°	616.1	592.2	532.2	446.2	370.5	317.9	300.9	304.3	317.9	328.8	328.8
30°	736.1	719.1	631.1	517.8	411.4	343.2	318.6	324.1	336.3	348.6	348.6
32.5°	881.5	852.8	744.3	588.8	448.9	359.5	328.2	335.7	350.0	362.3	362.3
35°	1023.4	1000.2	858.3	663.1	481.7	366.4	332.3	341.1	357.5	372.5	373.9
37.5°	1188.5	1138.0	969.5	730.0	505.5	367.7	330.9	346.6	368.4	385.5	386.2
40°	1287.4	1226.7	1044.5	779.8	516.5	363.0	330.9	350.7	369.1	375.2	374.6
42.5°	1404.7	1328.3	1097.1	785.9	502.8	353.4	330.2	345.9	354.1	354.1	353.4
45°	1562.3	1476.4	1180.3	789.4	474.8	341.8	324.7	335.0	332.9	326.8	324.7
47.5°	1755.4	1651.0	1286.0	801.6	447.6	330.2	318.6	321.3	311.8	298.1	297.5
50°	1986.0	1863.2	1410.2	814.6	423.7	320.7	313.2	310.4	300.9	289.3	287.9
52.5°	2202.3	2054.2	1522.8	823.5	403.9	314.5	309.1	308.4	298.8	283.8	282.4
55°	2398.1	2220.7	1598.5	806.4	386.2	311.8	309.1	309.7	297.5	282.4	280.4
57.5°	2681.2	2486.8	1718.6	781.2	365.0	311.1	311.1	311.8	296.8	282.4	280.4
60°	2927.5	2711.2	1836.6	779.1	344.5	310.4	311.8	311.1	300.2	291.3	289.3
62.5°	3012.1	2806.1	1842.1	730.0	331.6	307.0	309.1	312.5	310.4	306.3	304.3
65°	3171.8	2946.6	1865.3	674.7	313.2	300.9	305.6	314.5	315.9	313.2	311.1
66°	3160.2	2926.8	1842.7	657.7	307.0	297.5	303.6	313.2	315.9	315.2	313.8
67.5°	3102.9	2875.7	1768.4	609.2	298.1	291.3	300.2	309.7	315.9	317.9	316.6
70°	2948.0	2721.5	1620.3	536.2	281.1	277.0	289.3	301.6	311.8	315.2	314.5
72.5°	2512.0	2296.4	1355.6	457.8	257.2	256.5	270.9	285.9	298.1	301.6	300.2
75°	2108.8	1896.6	1113.4	377.3	232.6	233.3	247.0	261.3	270.9	270.9	271.5
77.5°	1690.6	1511.2	882.1	313.2	207.4	207.4	217.0	228.6	234.7	232.0	227.9
80°	1300.4	1181.6	689.1	262.0	182.2	180.8	185.6	194.4	199.2	193.1	188.3
82.5°	1050.0	947.6	545.1	218.3	157.6	156.2	158.3	164.4	167.2	160.3	158.3
85°	796.9	704.8	410.0	179.4	136.4	133.0	136.4	137.8	141.2	135.1	131.0
87.5°	563.5	499.4	297.5	149.4	116.7	114.6	113.9	115.3	117.3	113.3	111.2
90°	378.6	332.3	214.9	124.9	99.6	96.2	94.8	94.8	96.2	89.4	87.3
92.5°	242.9	214.9	149.4	99.6	83.2	79.1	76.4	77.1	76.4	69.6	68.2
95°	151.5	137.1	107.8	78.5	66.9	63.4	60.7	60.0	59.4	54.6	53.2
97.5°	98.9	94.1	80.5	62.1	53.2	50.5	49.1	48.4	48.4	45.0	43.0
100°	73.7	71.6	63.4	51.9	43.7	41.6	40.3	40.3	41.6	38.9	37.5
102.5°	57.3	58.0	51.9	43.7	36.8	35.5	34.1	34.1	35.5	34.1	33.4
105°	43.7	43.7	42.3	36.2	31.4	30.7	29.3	29.3	30.7	30.7	30.7
107.5°	34.1	35.5	34.1	30.0	27.3	26.6	25.2	25.2	26.6	27.3	28.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	27.3	28.7	28.0	25.9	23.9	23.2	21.8	21.1	22.5	24.6	24.6
112.5°	21.8	23.2	23.2	21.8	20.5	20.5	19.1	18.4	19.8	21.8	21.8
115°	18.4	19.8	19.8	19.1	18.4	17.7	16.4	15.7	17.1	19.1	19.8
117.5°	15.7	17.1	17.1	17.1	16.4	15.7	14.3	13.6	14.3	16.4	17.1
120°	14.3	15.0	15.0	15.0	14.3	14.3	13.0	12.3	13.0	15.0	15.0
122.5°	12.3	13.0	13.6	13.6	13.0	13.0	11.6	10.2	10.9	13.0	13.6
125°	10.9	11.6	12.3	12.3	11.6	11.6	10.2	9.6	10.2	11.6	12.3
127.5°	10.2	10.9	10.9	10.9	10.9	10.2	8.9	8.2	8.9	10.9	10.9
130°	9.6	10.2	10.2	10.2	9.6	8.9	8.2	7.5	8.2	10.2	10.2
132.5°	8.9	9.6	9.6	8.9	8.9	8.2	6.8	6.1	7.5	8.9	8.9
135°	7.5	8.2	8.2	8.2	7.5	6.8	6.1	5.5	6.8	7.5	7.5
137.5°	6.1	6.8	6.8	6.8	6.1	5.5	4.8	4.8	5.5	6.8	6.8
140°	4.8	5.5	5.5	5.5	4.8	4.8	4.1	3.4	4.8	5.5	5.5
142.5°	3.4	4.1	4.1	4.1	3.4	3.4	2.7	2.7	4.1	4.8	4.8
145°	2.0	2.7	2.7	2.7	2.7	2.0	2.0	2.0	2.7	3.4	3.4
147.5°	1.4	2.0	2.0	2.0	2.0	1.4	0.7	1.4	2.0	2.7	2.7
150°	0.7	1.4	1.4	1.4	1.4	0.7	0.0	0.7	1.4	2.0	2.0
152.5°	0.7	0.7	1.4	1.4	0.7	0.7	0.0	0.0	0.7	0.7	0.7
155°	0.0	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.0
157.5°	0.0	0.0	0.0	0.7	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)