

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: P416806

Luminaire Tested: **LXF.LXT-PA1-80-750-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
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-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8241.9 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

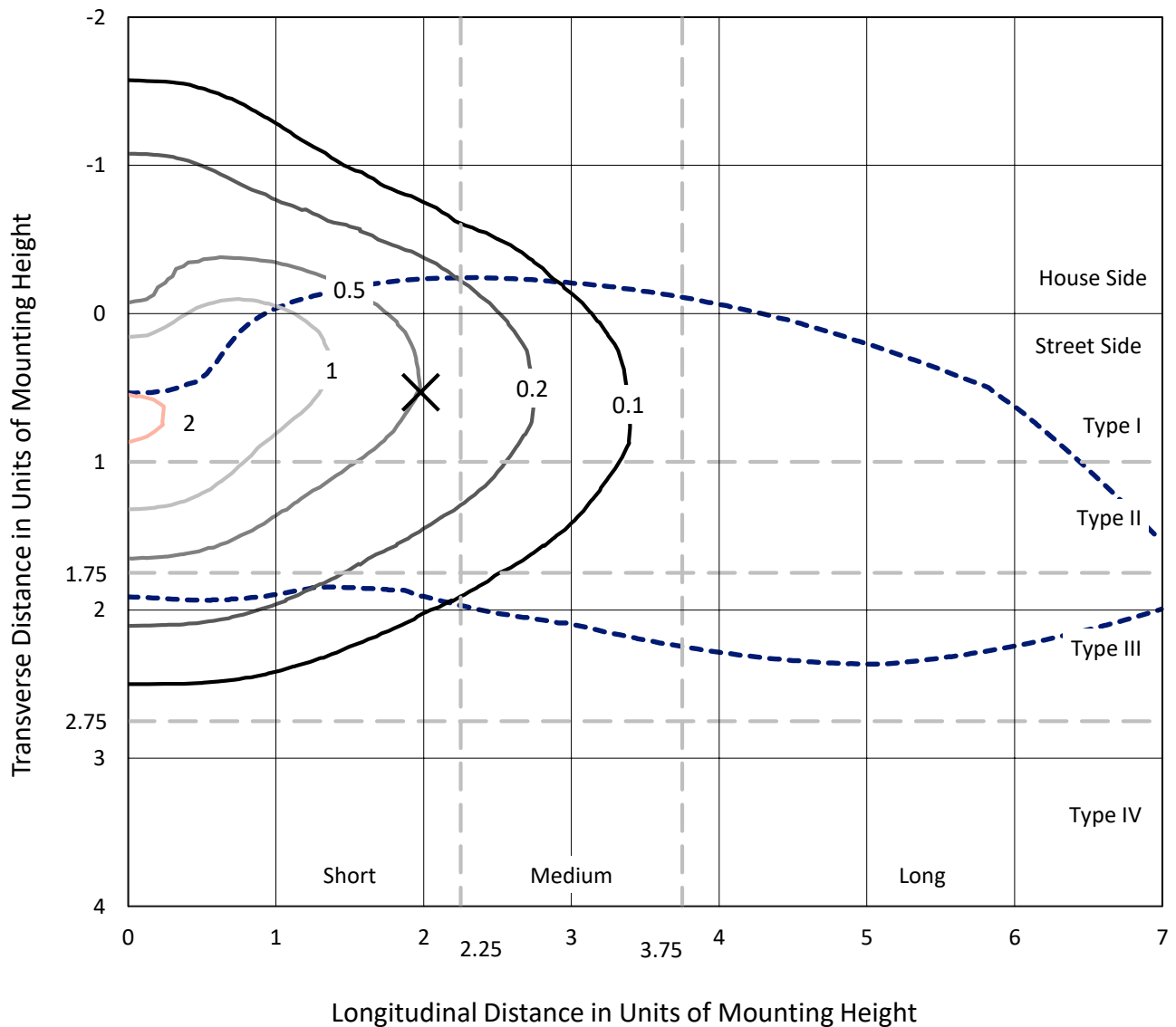
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

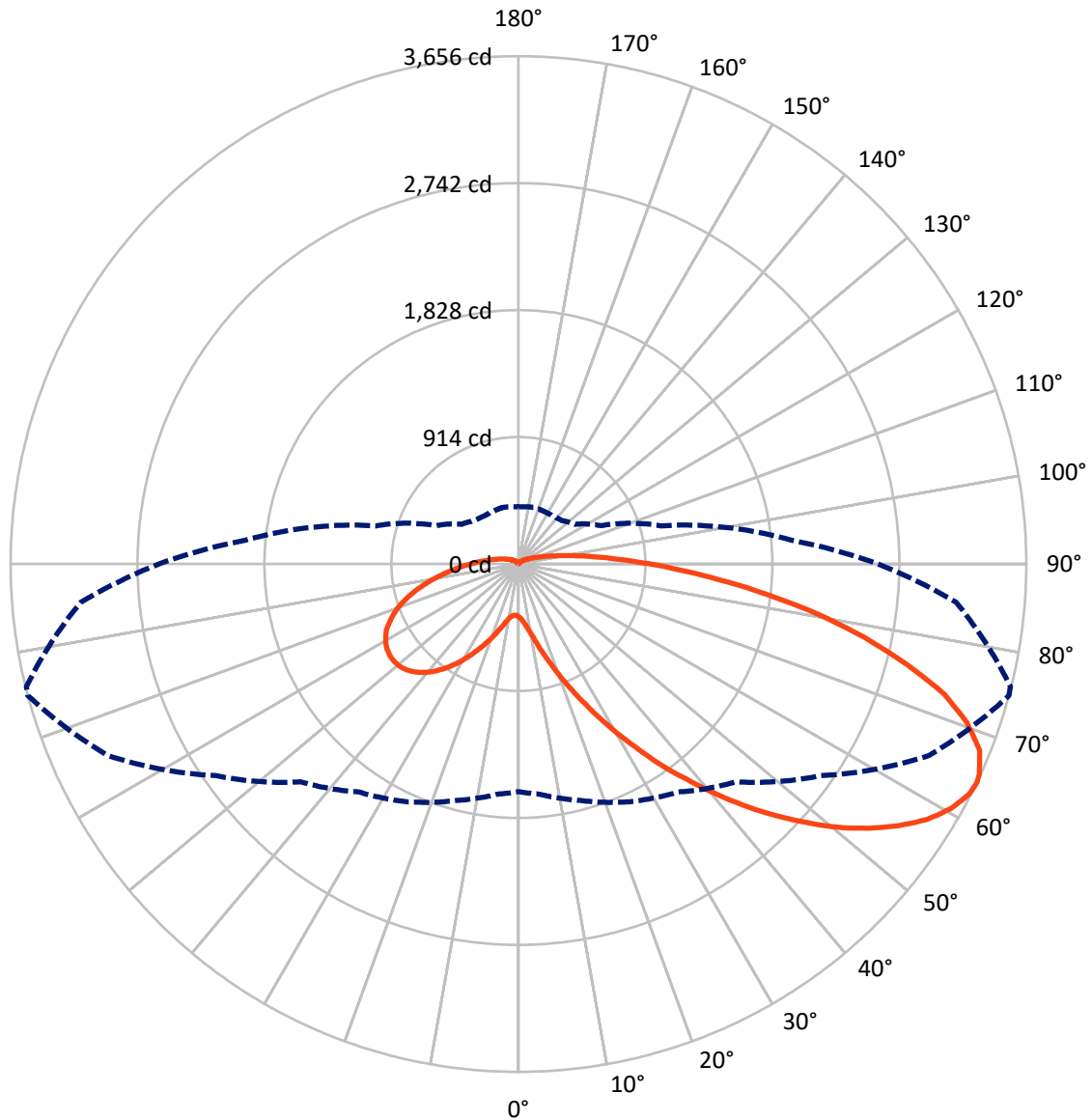


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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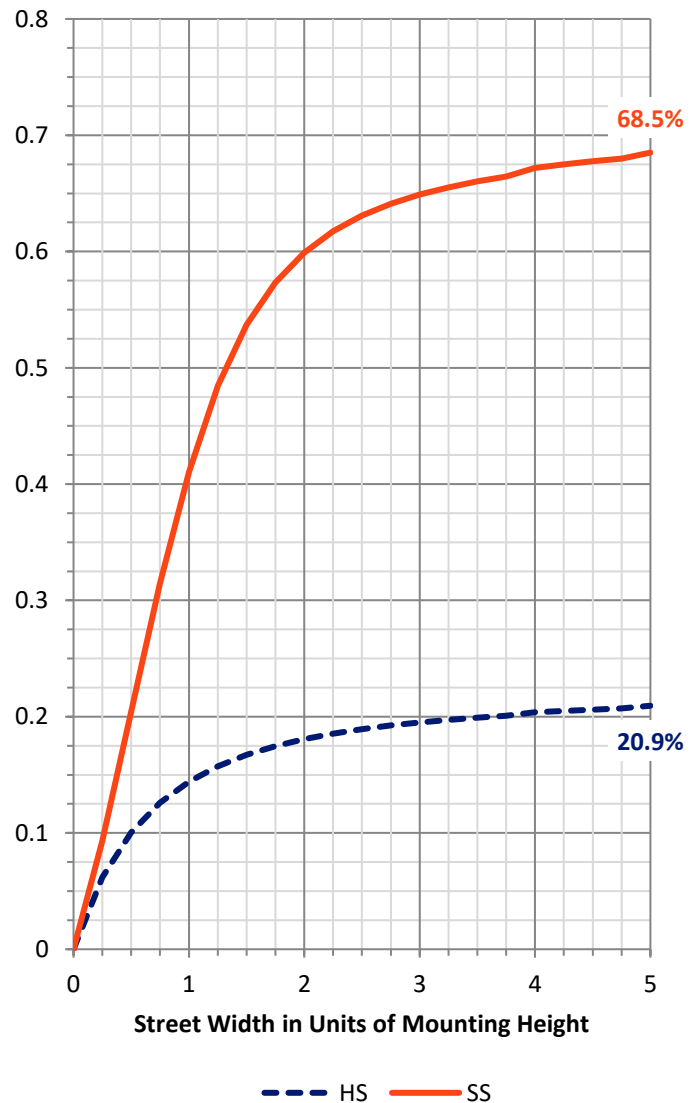
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1817.8	239.4	2057.2
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	5820.5	364.2	6184.7
	% Fixture	70.6	4.4	75.0
Total	Lumens	7638.3	603.6	8241.9
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	0.5
10°-20°	166.3	2.0
20°-30°	420.8	5.1
30°-40°	824.2	10.0
40°-50°	1282.2	15.6
50°-60°	1572.4	19.1
60°-70°	1528.6	18.5
70°-80°	1152.8	14.0
80°-90°	650.9	7.9
90°-100°	307.0	3.7
100°-110°	148.3	1.8
110°-120°	77.8	0.9
120°-130°	41.9	0.5
130°-140°	20.5	0.2
140°-150°	7.0	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7638.3	92.7
0°-180°	8241.9	100.0



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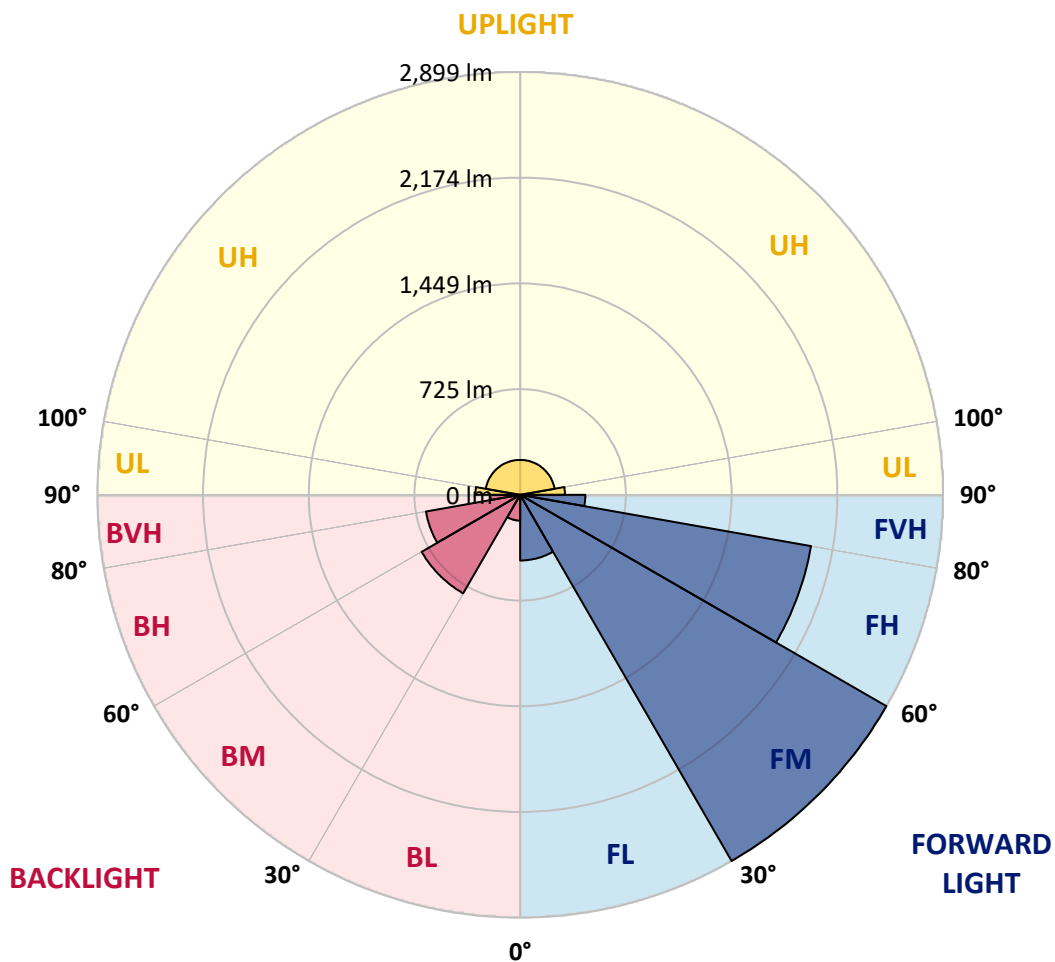
CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	450.3	5.5			
FM	(30°-60°)	2898.7	35.2			
FH	(60°-80°)	2025.1	24.6			G2/5000
FVH	(80°-90°)	446.4	5.4			G3/500
BL	(0°-30°)	176.8	2.1	B1/500		
BM	(30°-60°)	780.2	9.5	B1/1000		
BH	(60°-80°)	656.3	8.0	B2/1000		G2/1000
BVH	(80°-90°)	204.5	2.5			G2/225
UL	(90°-100°)	307.0	3.7		U3/500	
UH	(100°-180°)	239.4	2.9		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0
2.5°	443.0	439.0	437.0	436.0	429.0	422.0	414.0	406.0	397.0	395.0	387.0
5°	512.0	507.0	505.0	499.0	489.0	477.0	460.0	444.0	424.0	425.0	407.0
7.5°	591.0	587.0	581.0	572.0	557.0	541.0	516.0	492.0	465.0	462.0	436.0
10°	681.0	678.0	672.0	658.0	639.0	612.0	587.0	551.0	513.0	511.0	473.0
12.5°	789.0	785.0	768.0	754.0	729.0	704.0	666.0	623.0	582.0	577.0	530.0
15°	911.0	905.0	893.0	871.0	844.0	803.0	763.0	720.0	666.0	657.0	602.0
17.5°	1036.0	1036.0	1021.0	995.0	958.0	922.0	878.0	824.0	756.0	755.0	682.0
20°	1193.0	1191.0	1168.0	1130.0	1093.0	1055.0	1002.0	941.0	865.0	858.0	769.0
22.5°	1363.0	1361.0	1333.0	1292.0	1244.0	1190.0	1131.0	1067.0	984.0	975.0	871.0
25°	1547.0	1546.0	1517.0	1454.0	1393.0	1342.0	1281.0	1210.0	1114.0	1112.0	987.0
27.5°	1771.0	1760.0	1715.0	1638.0	1561.0	1495.0	1424.0	1360.0	1264.0	1249.0	1110.0
30°	1987.0	1981.0	1920.0	1837.0	1731.0	1644.0	1572.0	1523.0	1424.0	1410.0	1254.0
32.5°	2210.0	2206.0	2132.0	2036.0	1905.0	1797.0	1741.0	1688.0	1593.0	1587.0	1396.0
35°	2457.0	2441.0	2356.0	2224.0	2072.0	1951.0	1901.0	1877.0	1783.0	1761.0	1552.0
37.5°	2659.1	2647.1	2570.0	2409.0	2230.0	2100.0	2062.0	2046.0	1965.0	1956.0	1721.0
40°	2854.1	2845.1	2751.1	2577.1	2373.0	2243.0	2205.0	2232.0	2167.0	2153.0	1891.0
42.5°	2995.1	2983.1	2896.1	2711.1	2497.0	2360.0	2359.0	2421.0	2374.0	2359.0	2067.0
45°	3079.1	3067.1	2995.1	2817.1	2594.1	2462.0	2485.0	2594.1	2580.1	2562.0	2228.0
47.5°	3087.1	3080.1	3028.1	2863.1	2653.1	2542.0	2608.1	2764.1	2779.1	2762.1	2400.0
50°	3014.1	3021.1	2988.1	2857.1	2674.1	2594.1	2708.1	2925.1	2980.1	2960.1	2571.0
52.5°	2876.1	2868.1	2882.1	2789.1	2652.1	2612.1	2776.1	3060.1	3161.1	3141.1	2729.1
55°	2646.1	2652.1	2701.1	2666.1	2583.1	2591.1	2817.1	3167.1	3325.1	3309.1	2872.1
57.5°	2404.0	2390.0	2478.0	2484.0	2461.0	2535.0	2822.1	3248.1	3470.1	3453.1	2995.1
60°	2087.0	2121.0	2200.0	2268.0	2308.0	2442.0	2789.1	3290.1	3576.1	3571.1	3094.1
62.5°	1813.0	1820.0	1927.0	2030.0	2126.0	2311.0	2716.1	3289.1	3645.1	3639.1	3153.1
64°	1639.0	1662.0	1763.0	1888.0	2003.0	2217.0	2656.1	3261.1	3656.1	3651.1	3163.1
65°	1544.0	1541.0	1662.0	1788.0	1912.0	2146.0	2595.1	3231.1	3646.1	3646.1	3159.1
67.5°	1283.0	1293.0	1399.0	1544.0	1697.0	1958.0	2439.0	3124.1	3580.1	3587.1	3101.1
70°	1058.0	1073.0	1189.0	1318.0	1487.0	1769.0	2246.0	2931.1	3425.1	3435.1	2976.1
72.5°	873.0	890.0	975.0	1105.0	1292.0	1570.0	2028.0	2689.1	3206.1	3210.1	2767.1
75°	710.0	729.0	815.0	928.0	1090.0	1356.0	1790.0	2426.0	2887.1	2907.1	2497.0
77.5°	578.0	598.0	677.0	779.0	933.0	1160.0	1554.0	2122.0	2548.0	2560.0	2188.0
80°	467.0	488.0	558.0	654.0	788.0	988.0	1333.0	1811.0	2182.0	2182.0	1870.0
82.5°	379.0	397.0	460.0	543.0	665.0	834.0	1120.0	1505.0	1804.0	1805.0	1545.0
85°	306.0	317.0	379.0	452.0	553.0	699.0	926.0	1225.0	1455.0	1434.0	1245.0
87.5°	246.0	256.0	308.0	379.0	459.0	583.0	760.0	997.0	1144.0	1151.0	994.0
90°	198.0	204.0	252.0	312.0	386.0	482.0	618.0	793.0	900.0	891.0	779.0
92.5°	161.0	168.0	209.0	263.0	325.0	405.0	509.0	628.0	697.0	699.0	609.0
95°	132.0	136.0	174.0	222.0	278.0	339.0	415.0	500.0	547.0	541.0	474.0
97.5°	110.0	112.0	147.0	190.0	236.0	286.0	346.0	398.0	424.0	420.0	371.0
100°	93.0	95.0	125.0	165.0	204.0	244.0	286.0	321.0	330.0	325.0	292.0
102.5°	81.0	82.0	107.0	143.0	176.0	209.0	238.0	260.0	259.0	259.0	231.0
105°	71.0	72.0	93.0	125.0	155.0	181.0	201.0	212.0	208.0	206.0	185.0
107.5°	64.0	65.0	82.0	110.0	137.0	157.0	172.0	175.0	167.0	165.0	150.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	58.0	58.0	72.0	97.0	121.0	137.0	147.0	147.0	135.0	134.0	124.0
112.5°	53.0	54.0	65.0	86.0	107.0	121.0	127.0	122.0	111.0	110.0	105.0
115°	49.0	50.0	58.0	77.0	95.0	107.0	110.0	103.0	92.0	91.0	87.0
117.5°	46.0	47.0	53.0	68.0	85.0	94.0	95.0	88.0	77.0	76.0	75.0
120°	44.0	44.0	49.0	61.0	75.0	83.0	82.0	75.0	66.0	65.0	65.0
122.5°	42.0	42.0	45.0	54.0	66.0	73.0	72.0	64.0	56.0	56.0	56.0
125°	40.0	40.0	42.0	49.0	59.0	64.0	62.0	55.0	48.0	48.0	50.0
127.5°	38.0	38.0	39.0	43.0	52.0	55.0	53.0	46.0	42.0	42.0	43.0
130°	36.0	36.0	36.0	39.0	45.0	47.0	45.0	39.0	36.0	36.0	38.0
132.5°	34.0	34.0	34.0	34.0	38.0	40.0	37.0	32.0	31.0	32.0	33.0
135°	32.0	32.0	31.0	30.0	32.0	33.0	30.0	27.0	27.0	27.0	29.0
137.5°	30.0	29.0	28.0	27.0	26.0	26.0	24.0	21.0	23.0	23.0	25.0
140°	27.0	26.0	25.0	23.0	21.0	20.0	18.0	17.0	19.0	19.0	20.0
142.5°	24.0	23.0	22.0	19.0	16.0	14.0	12.0	13.0	15.0	15.0	16.0
145°	20.0	20.0	18.0	15.0	12.0	10.0	8.0	9.0	11.0	11.0	12.0
147.5°	17.0	16.0	15.0	12.0	8.0	6.0	4.0	6.0	8.0	8.0	9.0
150°	13.0	12.0	11.0	8.0	5.0	2.0	2.0	4.0	5.0	5.0	6.0
152.5°	9.0	9.0	8.0	5.0	2.0	0.0	1.0	2.0	3.0	3.0	4.0
155°	6.0	5.0	4.0	3.0	1.0	0.0	0.0	1.0	2.0	2.0	2.0
157.5°	3.0	3.0	2.0	2.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	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°	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0
2.5°	382.0	378.0	369.0	361.0	353.0	346.0	342.0	337.0	336.0	335.0	335.0
5°	396.0	387.0	369.0	352.0	336.0	323.0	313.0	303.0	298.0	296.0	295.0
7.5°	420.0	406.0	377.0	351.0	327.0	307.0	291.0	279.0	272.0	268.0	267.0
10°	453.0	433.0	393.0	357.0	325.0	299.0	279.0	265.0	256.0	252.0	251.0
12.5°	505.0	473.0	423.0	372.0	330.0	298.0	275.0	260.0	256.0	252.0	252.0
15°	564.0	532.0	463.0	400.0	346.0	304.0	284.0	274.0	268.0	265.0	264.0
17.5°	640.0	591.0	508.0	430.0	366.0	326.0	300.0	289.0	283.0	280.0	279.0
20°	718.0	660.0	558.0	463.0	393.0	352.0	321.0	304.0	298.0	295.0	294.0
22.5°	811.0	741.0	610.0	498.0	424.0	376.0	341.0	321.0	314.0	311.0	312.0
25°	906.0	831.0	666.0	535.0	453.0	396.0	360.0	337.0	332.0	328.0	328.0
27.5°	1022.0	922.0	723.0	577.0	478.0	414.0	377.0	354.0	345.0	345.0	344.0
30°	1144.0	1019.0	785.0	613.0	500.0	430.0	390.0	369.0	360.0	359.0	359.0
32.5°	1263.0	1123.0	846.0	649.0	517.0	441.0	402.0	382.0	371.0	370.0	371.0
35°	1402.0	1229.0	903.0	678.0	532.0	450.0	411.0	393.0	381.0	380.0	380.0
37.5°	1534.0	1338.0	958.0	701.0	542.0	456.0	418.0	402.0	389.0	388.0	387.0
40°	1672.0	1441.0	1008.0	720.0	547.0	460.0	422.0	408.0	396.0	392.0	392.0
42.5°	1812.0	1545.0	1050.0	731.0	550.0	461.0	425.0	412.0	401.0	394.0	394.0
45°	1943.0	1634.0	1085.0	737.0	550.0	462.0	427.0	415.0	405.0	396.0	395.0
47.5°	2087.0	1724.0	1112.0	738.0	547.0	460.0	428.0	418.0	407.0	397.0	396.0
50°	2213.0	1809.0	1129.0	735.0	543.0	459.0	429.0	419.0	410.0	398.0	398.0
52.5°	2324.0	1877.0	1137.0	727.0	538.0	457.0	429.0	421.0	413.0	400.0	399.0
55°	2422.0	1930.0	1136.0	715.0	530.0	454.0	428.0	421.0	415.0	401.0	401.0
57.5°	2506.0	1967.0	1127.0	701.0	522.0	452.0	428.0	422.0	417.0	404.0	404.0
60°	2563.0	1988.0	1109.0	684.0	514.0	448.0	427.0	423.0	420.0	407.0	408.0
62.5°	2590.1	1985.0	1081.0	666.0	505.0	444.0	425.0	422.0	421.0	411.0	411.0
64°	2588.1	1971.0	1062.0	653.0	499.0	442.0	424.0	421.0	422.0	413.0	413.0
65°	2575.1	1951.0	1042.0	643.0	494.0	440.0	422.0	420.0	422.0	413.0	413.0
67.5°	2512.0	1889.0	991.0	618.0	481.0	431.0	416.0	415.0	418.0	412.0	411.0
70°	2387.0	1791.0	936.0	586.0	465.0	421.0	407.0	406.0	410.0	405.0	403.0
72.5°	2217.0	1655.0	869.0	553.0	446.0	407.0	395.0	394.0	396.0	393.0	390.0
75°	2003.0	1495.0	794.0	516.0	425.0	389.0	378.0	376.0	379.0	375.0	373.0
77.5°	1765.0	1318.0	715.0	477.0	398.0	369.0	358.0	355.0	355.0	350.0	345.0
80°	1503.0	1137.0	636.0	437.0	370.0	344.0	335.0	331.0	328.0	320.0	315.0
82.5°	1255.0	967.0	555.0	396.0	340.0	317.0	308.0	303.0	296.0	286.0	279.0
85°	1021.0	805.0	481.0	352.0	310.0	288.0	281.0	272.0	263.0	252.0	243.0
87.5°	820.0	659.0	415.0	313.0	276.0	259.0	251.0	239.0	230.0	218.0	210.0
90°	651.0	540.0	355.0	275.0	246.0	231.0	224.0	212.0	199.0	186.0	179.0
92.5°	525.0	440.0	306.0	243.0	220.0	207.0	198.0	186.0	171.0	158.0	153.0
95°	417.0	356.0	261.0	215.0	195.0	183.0	174.0	163.0	147.0	132.0	128.0
97.5°	330.0	293.0	223.0	189.0	173.0	163.0	153.0	143.0	127.0	112.0	110.0
100°	265.0	238.0	191.0	167.0	153.0	144.0	136.0	125.0	110.0	94.0	94.0
102.5°	214.0	197.0	164.0	147.0	136.0	128.0	120.0	110.0	95.0	81.0	80.0
105°	175.0	163.0	141.0	130.0	121.0	115.0	107.0	96.0	82.0	69.0	68.0
107.5°	146.0	135.0	122.0	115.0	108.0	102.0	96.0	85.0	71.0	60.0	60.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	120.0	116.0	106.0	101.0	97.0	91.0	85.0	74.0	61.0	53.0	53.0
112.5°	102.0	98.0	93.0	90.0	86.0	82.0	75.0	65.0	53.0	47.0	47.0
115°	86.0	84.0	81.0	79.0	77.0	73.0	66.0	56.0	45.0	41.0	42.0
117.5°	75.0	74.0	72.0	71.0	69.0	64.0	58.0	49.0	39.0	37.0	37.0
120°	65.0	65.0	63.0	63.0	61.0	57.0	50.0	42.0	34.0	33.0	33.0
122.5°	57.0	57.0	56.0	56.0	54.0	50.0	44.0	36.0	29.0	29.0	30.0
125°	50.0	50.0	49.0	49.0	48.0	44.0	38.0	31.0	26.0	26.0	26.0
127.5°	44.0	44.0	44.0	43.0	41.0	38.0	32.0	26.0	23.0	23.0	23.0
130°	39.0	39.0	38.0	38.0	36.0	32.0	27.0	22.0	19.0	21.0	21.0
132.5°	34.0	34.0	34.0	32.0	30.0	27.0	22.0	18.0	17.0	18.0	18.0
135°	29.0	30.0	29.0	28.0	26.0	22.0	18.0	15.0	15.0	16.0	16.0
137.5°	25.0	25.0	25.0	23.0	21.0	18.0	14.0	12.0	13.0	14.0	14.0
140°	21.0	21.0	20.0	19.0	17.0	14.0	11.0	9.0	11.0	12.0	12.0
142.5°	17.0	17.0	16.0	15.0	12.0	10.0	7.0	7.0	9.0	10.0	10.0
145°	13.0	13.0	12.0	11.0	9.0	6.0	5.0	6.0	8.0	8.0	8.0
147.5°	9.0	9.0	9.0	7.0	5.0	3.0	2.0	4.0	6.0	6.0	7.0
150°	6.0	6.0	6.0	5.0	3.0	1.0	1.0	3.0	4.0	5.0	5.0
152.5°	4.0	4.0	4.0	3.0	2.0	0.0	0.0	2.0	3.0	3.0	3.0
155°	2.0	2.0	2.0	2.0	1.0	0.0	0.0	1.0	2.0	2.0	2.0
157.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	2.0	1.0	1.0
160°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	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)