

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: P417387

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-830-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7262 lumens
Efficiency: N/A
Efficacy: 77.3 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): 94
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



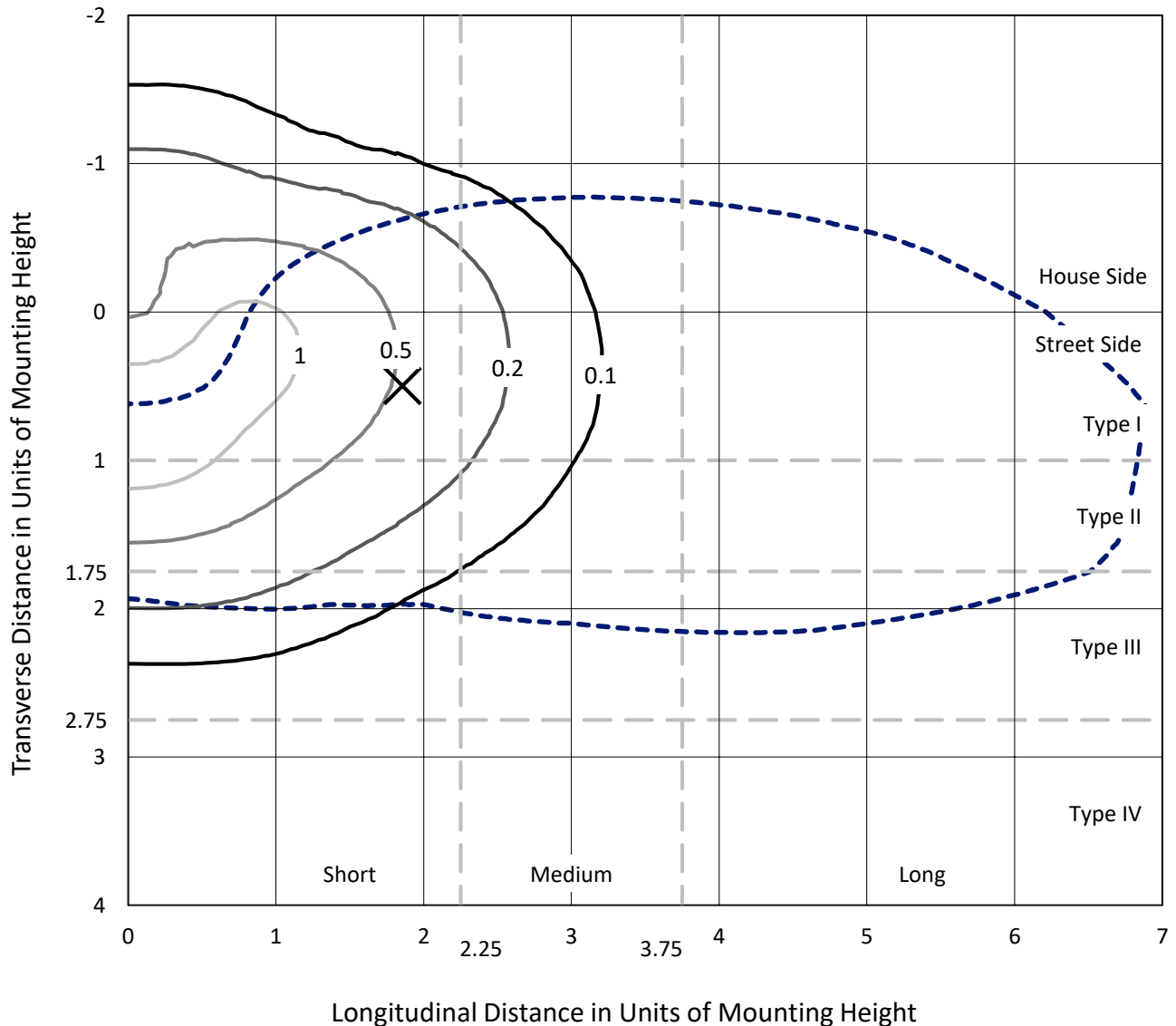
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

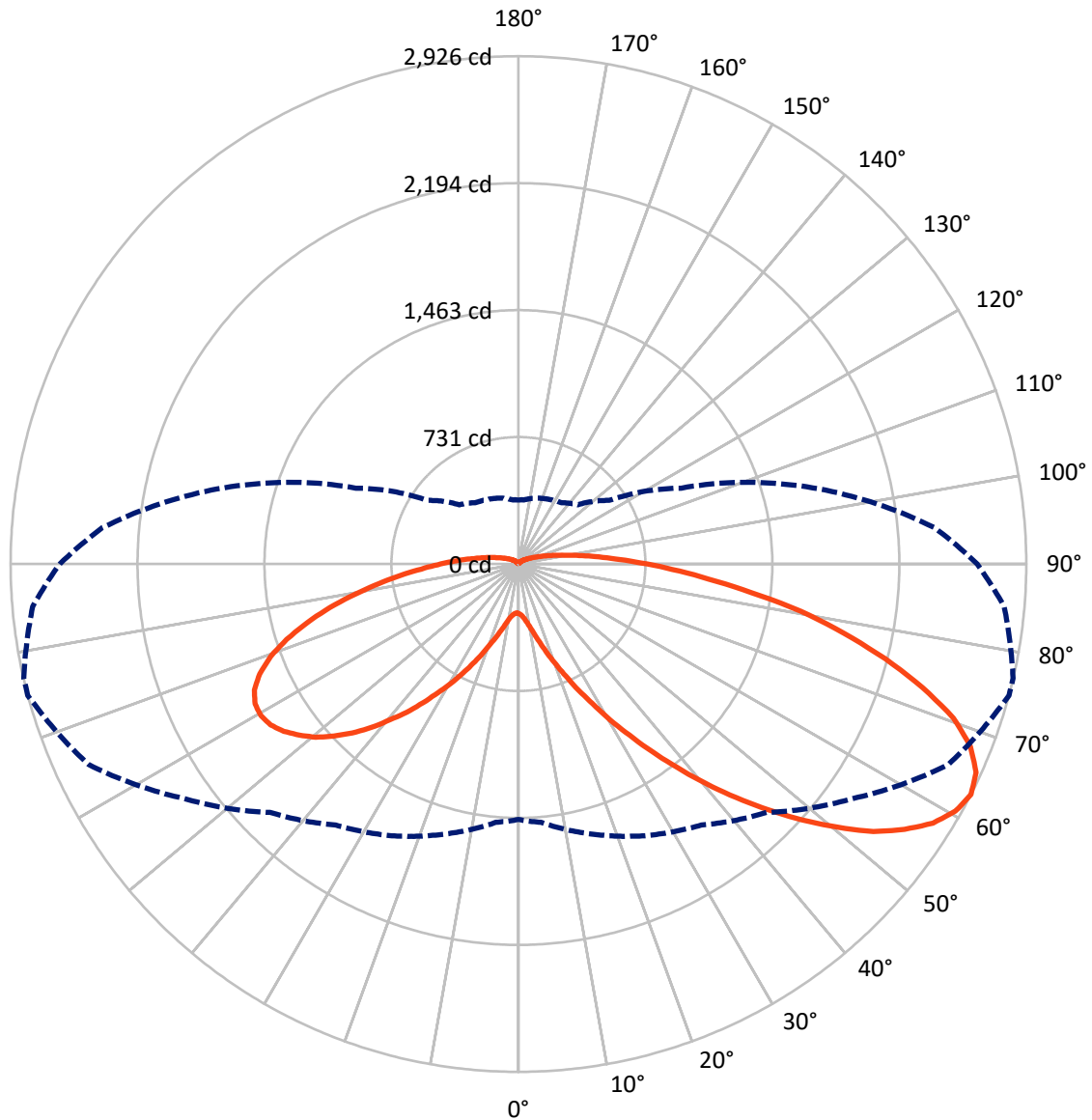


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical



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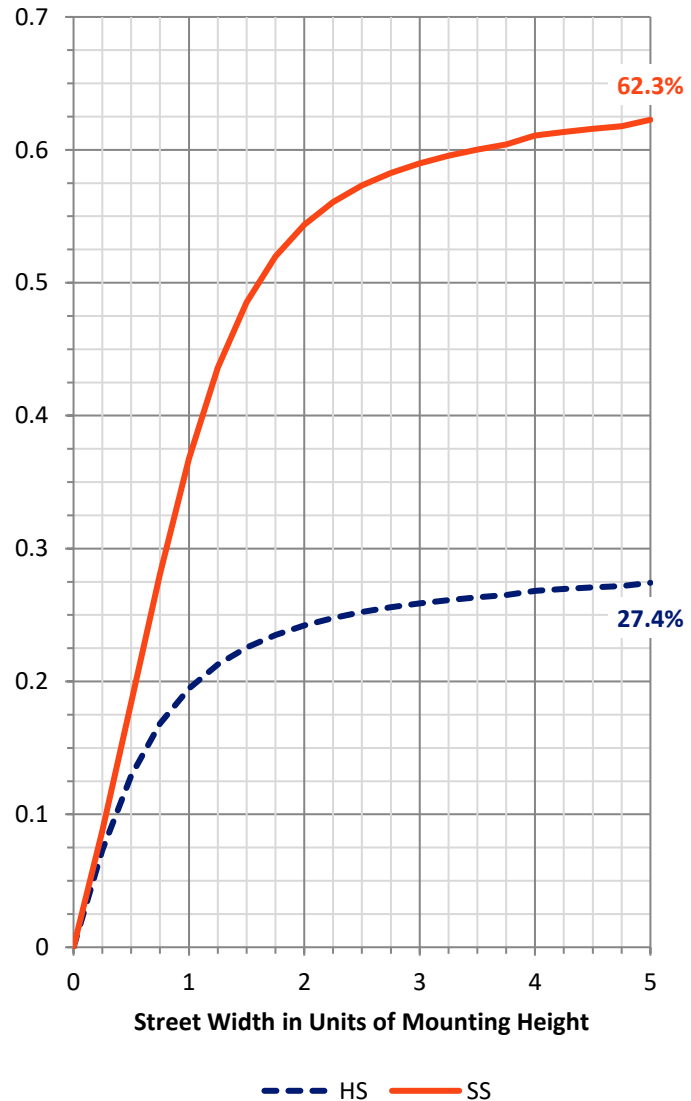
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2076.8	220.8	2297.6
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	4661.2	303.2	4964.4
	% Fixture	64.2	4.2	68.4
Total	Lumens	6738.0	524.0	7262.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	0.4
10°-20°	126.3	1.7
20°-30°	327.0	4.5
30°-40°	669.1	9.2
40°-50°	1109.7	15.3
50°-60°	1439.6	19.8
60°-70°	1417.8	19.5
70°-80°	1041.8	14.3
80°-90°	576.6	7.9
90°-100°	272.3	3.7
100°-110°	130.1	1.8
110°-120°	66.4	0.9
120°-130°	34.4	0.5
130°-140°	15.7	0.2
140°-150°	4.7	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6738.0	92.8
0°-180°	7262.0	100.0



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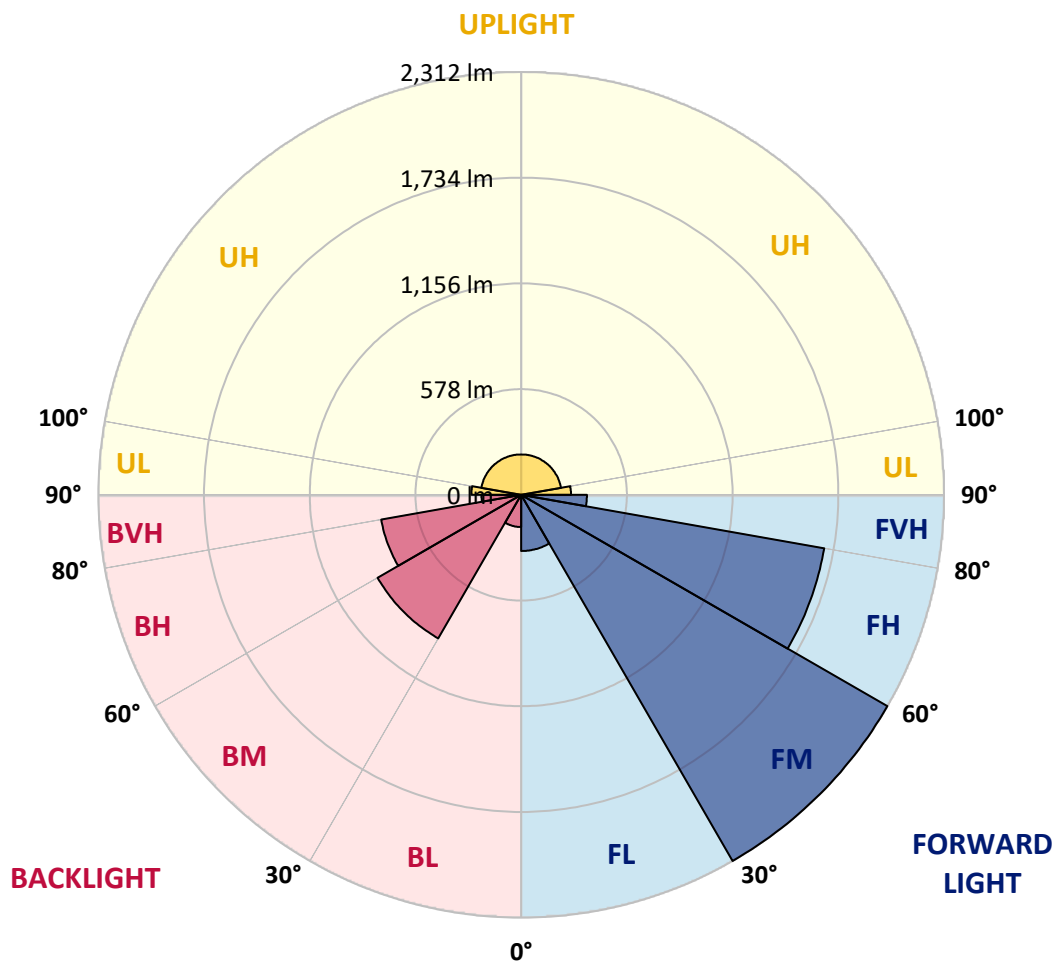
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	307.2	4.2			
FM	(30°-60°)	2311.8	31.8			
FH	(60°-80°)	1682.8	23.2			G1/1800
FVH	(80°-90°)	359.4	4.9			G3/500
BL	(0°-30°)	176.2	2.4	B1/500		
BM	(30°-60°)	906.5	12.5	B1/1000		
BH	(60°-80°)	776.8	10.7	B2/1000		G2/1000
BVH	(80°-90°)	217.2	3.0			G2/225
UL	(90°-100°)	272.3	3.7		U3/500	
UH	(100°-180°)	220.8	3.0		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°	77°	85°
0°	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3
2.5°	317.9	315.3	313.6	311.0	309.3	305.9	302.4	297.3	293.0	292.1	288.7
5°	351.3	347.0	347.0	342.7	336.7	332.4	325.6	317.0	310.1	305.9	302.4
7.5°	394.1	390.7	386.4	383.0	377.0	369.3	359.8	348.7	335.0	332.4	323.8
10°	442.1	440.4	436.9	430.1	422.4	412.1	399.2	385.5	370.1	367.5	353.0
12.5°	505.5	505.5	500.3	490.9	479.8	460.9	449.8	435.2	417.2	414.7	394.1
15°	583.4	580.0	573.2	556.9	544.0	528.6	514.9	496.1	472.1	467.8	448.9
17.5°	669.1	662.3	658.8	643.4	626.3	607.4	588.6	568.0	541.5	534.6	512.3
20°	765.1	769.4	756.5	739.4	713.7	694.8	673.4	646.8	617.7	612.6	586.0
22.5°	885.9	882.4	864.5	840.5	815.6	795.1	767.6	741.1	701.7	696.5	665.7
25°	1019.5	1016.1	993.0	963.0	934.7	897.9	866.2	837.9	805.3	797.6	760.8
27.5°	1150.6	1167.7	1132.6	1095.8	1062.4	1021.2	983.5	947.6	910.7	904.7	866.2
30°	1329.7	1333.9	1292.8	1242.3	1196.9	1145.5	1106.1	1073.5	1041.8	1022.1	987.0
32.5°	1516.4	1502.7	1470.2	1408.5	1336.5	1279.1	1235.4	1205.4	1175.4	1165.2	1113.8
35°	1701.5	1701.5	1650.9	1567.8	1473.6	1415.3	1372.5	1354.5	1327.1	1310.8	1253.4
37.5°	1883.1	1880.5	1829.1	1731.5	1634.7	1555.0	1527.6	1507.0	1488.2	1471.9	1401.6
40°	2062.2	2057.9	1996.2	1901.1	1788.0	1705.8	1683.5	1686.9	1664.6	1642.4	1572.1
42.5°	2206.1	2204.4	2155.6	2060.5	1925.1	1852.3	1830.0	1850.6	1840.3	1818.9	1736.6
45°	2320.9	2313.2	2274.6	2177.8	2055.3	1978.2	1984.2	2033.9	2021.9	2011.6	1909.7
47.5°	2368.9	2368.0	2346.6	2262.6	2149.6	2095.6	2129.9	2199.3	2203.5	2195.0	2081.0
50°	2356.0	2359.5	2357.7	2306.3	2213.8	2186.4	2252.4	2370.6	2384.3	2375.7	2258.4
52.5°	2280.6	2282.4	2310.6	2288.4	2236.1	2243.8	2361.2	2512.8	2560.8	2537.7	2415.1
55°	2121.3	2142.7	2198.4	2211.2	2204.4	2256.7	2426.3	2625.9	2698.7	2691.0	2551.4
57.5°	1956.8	1946.5	2026.2	2087.9	2123.9	2222.4	2447.7	2706.4	2816.1	2805.8	2673.0
60°	1716.9	1732.3	1830.0	1918.2	1994.5	2140.1	2428.0	2749.3	2892.4	2886.4	2762.1
62.5°	1471.9	1494.2	1609.8	1727.2	1836.0	2023.6	2354.3	2733.0	2925.8	2924.9	2809.2
65°	1241.4	1265.4	1371.6	1513.9	1652.7	1866.0	2225.8	2663.6	2897.5	2899.2	2800.7
67.5°	1036.7	1049.5	1160.9	1317.7	1453.0	1680.9	2060.5	2526.5	2808.4	2817.8	2732.1
70°	854.2	863.6	971.5	1111.2	1268.0	1474.4	1860.0	2350.9	2659.3	2662.7	2608.8
72.5°	700.8	709.4	813.0	937.3	1082.1	1293.7	1653.5	2111.0	2434.9	2469.1	2418.6
75°	560.3	577.4	666.5	787.3	916.7	1105.2	1435.0	1853.1	2183.0	2212.1	2204.4
77.5°	456.6	479.8	550.9	654.5	773.6	937.3	1216.6	1598.7	1916.5	1940.5	1946.5
80°	368.4	385.5	456.6	548.3	649.4	791.6	1016.9	1350.2	1648.4	1650.9	1648.4
82.5°	299.0	311.9	375.3	458.4	547.5	665.7	852.5	1126.6	1351.9	1379.4	1384.5
85°	243.3	252.7	307.6	382.1	457.5	557.7	703.4	920.1	1098.3	1126.6	1117.2
87.5°	195.3	208.2	251.9	315.3	385.5	465.2	585.2	744.5	886.7	898.7	897.0
90°	160.2	164.5	208.2	262.2	325.6	386.4	478.1	599.7	706.0	727.4	712.8
92.5°	129.4	136.2	173.1	221.9	271.6	324.7	396.7	492.6	558.6	571.4	564.6
95°	108.8	112.2	145.6	185.9	228.7	276.7	327.3	393.2	442.1	446.4	448.1
97.5°	90.8	94.2	121.7	158.5	195.3	233.9	272.4	321.3	353.8	353.0	350.4
100°	78.0	79.7	104.5	137.9	170.5	198.8	228.7	258.7	278.4	284.4	275.0
102.5°	67.7	68.5	90.0	119.1	146.5	171.3	193.6	215.0	222.8	223.6	219.3
105°	60.0	60.8	78.8	102.8	127.7	146.5	163.6	176.5	179.9	179.9	174.8
107.5°	53.1	54.0	67.7	90.8	113.1	128.5	140.5	147.4	145.6	144.8	141.4
110°	48.8	48.8	60.0	80.5	98.5	112.2	121.7	122.5	118.2	118.2	114.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	44.6	44.6	53.1	71.1	87.4	99.4	105.4	103.7	97.7	96.0	96.0
115°	41.1	41.1	47.1	62.5	78.0	87.4	91.7	87.4	80.5	79.7	78.8
117.5°	38.6	38.6	42.8	55.7	68.5	77.1	79.7	75.4	67.7	66.8	66.8
120°	36.0	36.0	39.4	48.8	60.8	67.7	69.4	64.3	56.5	56.5	57.4
122.5°	34.3	34.3	36.0	43.7	54.0	60.0	60.0	54.8	48.0	48.0	48.8
125°	32.6	32.6	33.4	38.6	47.1	52.3	51.4	45.4	41.1	41.1	42.0
127.5°	30.8	30.8	30.8	34.3	41.1	45.4	44.6	38.6	35.1	35.1	36.8
130°	29.1	29.1	28.3	30.0	35.1	38.6	36.8	32.6	30.0	30.0	31.7
132.5°	27.4	27.4	25.7	26.6	30.0	31.7	30.0	26.6	25.7	25.7	26.6
135°	25.7	24.8	24.0	23.1	24.8	25.7	24.0	21.4	21.4	21.4	23.1
137.5°	23.1	23.1	21.4	19.7	19.7	19.7	18.8	16.3	17.1	18.0	18.8
140°	21.4	21.4	19.7	17.1	15.4	15.4	13.7	12.9	13.7	14.6	15.4
142.5°	18.8	18.8	17.1	14.6	12.0	10.3	9.4	8.6	10.3	11.1	11.1
145°	16.3	16.3	14.6	11.1	8.6	6.0	5.1	6.0	6.9	7.7	8.6
147.5°	13.7	12.9	11.1	8.6	4.3	2.6	1.7	3.4	4.3	4.3	5.1
150°	10.3	10.3	8.6	6.0	2.6	0.0	0.9	1.7	2.6	2.6	3.4
152.5°	7.7	6.9	6.0	3.4	0.0	0.0	0.0	0.0	0.9	1.7	1.7
155°	4.3	4.3	3.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.6	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.9	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°	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3
2.5°	287.0	284.4	281.0	278.4	275.9	272.4	270.7	268.2	268.2	268.2	269.9
5°	297.3	293.9	286.2	279.3	272.4	267.3	262.2	258.7	257.0	255.3	256.2
7.5°	316.1	311.9	299.9	287.9	278.4	269.0	262.2	256.2	253.6	252.7	252.7
10°	345.3	337.6	319.6	303.3	289.6	276.7	267.3	259.6	256.2	253.6	253.6
12.5°	384.7	373.5	352.1	329.8	309.3	292.1	278.4	272.4	269.9	268.2	269.0
15°	436.9	424.9	392.4	363.3	336.7	313.6	300.7	294.7	291.3	289.6	288.7
17.5°	497.8	480.6	441.2	403.5	370.1	344.4	328.1	318.7	312.7	309.3	310.1
20°	564.6	542.3	491.8	450.6	407.8	382.1	357.3	341.8	334.1	332.4	333.3
22.5°	640.0	616.9	558.6	498.6	454.1	415.5	385.5	365.8	356.4	355.5	355.5
25°	729.1	698.2	629.7	554.3	496.9	448.1	412.9	389.0	378.7	375.3	375.3
27.5°	830.2	789.1	704.2	617.7	538.9	477.2	436.1	408.7	397.5	395.0	395.0
30°	941.6	898.7	790.8	677.7	579.2	502.9	456.6	427.5	412.9	409.5	410.4
32.5°	1064.1	1008.4	872.2	741.9	614.3	523.5	470.3	441.2	424.9	420.7	420.7
35°	1196.9	1131.8	969.0	804.5	647.7	539.7	480.6	450.6	432.7	428.4	427.5
37.5°	1345.9	1264.5	1069.2	861.9	674.3	550.0	487.5	456.6	436.9	430.9	430.1
40°	1501.9	1408.5	1161.7	914.1	696.5	556.0	489.2	459.2	438.7	429.2	428.4
42.5°	1647.5	1544.7	1267.1	962.1	710.2	558.6	488.3	458.4	436.9	424.1	423.2
45°	1808.6	1682.6	1363.9	1005.8	718.8	556.9	484.9	454.1	433.5	417.2	415.5
47.5°	1977.4	1832.6	1453.0	1037.5	722.2	551.7	480.6	450.6	427.5	409.5	407.8
50°	2129.9	1961.1	1536.1	1062.4	720.5	544.0	473.8	445.5	422.4	401.8	400.1
52.5°	2278.9	2095.6	1601.2	1076.1	712.0	535.5	467.8	439.5	416.4	395.0	392.4
55°	2414.3	2201.8	1659.5	1082.1	700.8	524.3	459.2	434.4	411.2	388.1	385.5
57.5°	2518.8	2302.1	1702.3	1074.4	683.7	511.5	450.6	426.7	405.2	382.1	379.5
60°	2595.9	2368.0	1722.0	1059.8	664.0	496.9	440.4	418.9	399.2	377.0	374.4
62.5°	2642.2	2404.9	1717.8	1034.1	639.1	482.3	430.9	411.2	393.2	371.0	369.3
65°	2634.5	2390.3	1685.2	993.0	612.6	463.5	416.4	401.0	384.7	364.1	361.5
67.5°	2571.9	2331.2	1619.2	941.6	582.6	444.6	402.7	387.2	373.5	355.5	350.4
70°	2460.6	2222.4	1524.1	877.3	548.3	423.2	386.4	371.8	359.8	342.7	337.6
72.5°	2272.9	2063.9	1403.3	810.5	511.5	398.4	365.0	353.0	340.1	326.4	320.4
75°	2058.7	1865.1	1261.1	731.7	472.1	373.5	342.7	330.7	318.7	304.1	299.0
77.5°	1825.7	1639.8	1113.8	662.3	431.8	345.3	317.9	307.6	295.6	280.2	274.2
80°	1547.3	1399.1	957.0	582.6	391.5	317.9	292.1	281.0	268.2	253.6	247.6
82.5°	1296.2	1165.2	812.2	510.6	351.3	289.6	267.3	251.0	239.0	224.5	214.2
85°	1059.8	968.1	681.1	438.7	313.6	260.4	238.2	224.5	210.8	193.6	186.8
87.5°	852.5	774.5	559.5	378.7	276.7	232.2	211.6	197.9	182.5	164.5	158.5
90°	674.3	626.3	465.2	325.6	245.0	208.2	187.6	173.1	155.9	139.6	136.2
92.5°	534.6	501.2	384.7	276.7	215.9	184.2	165.4	150.8	133.7	117.4	112.2
95°	430.1	397.5	315.3	241.6	189.3	161.9	145.6	131.9	114.8	98.5	95.1
97.5°	343.6	317.9	258.7	203.0	166.2	143.9	129.4	114.8	97.7	83.1	81.4
100°	269.0	253.6	214.2	174.8	146.5	127.7	113.9	101.1	84.0	69.4	68.5
102.5°	215.0	206.5	178.2	150.8	128.5	113.1	102.0	88.2	72.8	59.1	58.3
105°	173.1	167.9	148.2	129.4	113.9	101.1	90.8	77.1	61.7	50.5	50.5
107.5°	140.5	136.2	124.2	110.5	100.2	90.8	79.7	67.7	53.1	43.7	43.7
110°	114.8	113.1	105.4	96.0	88.2	80.5	70.3	58.3	45.4	38.6	38.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	96.0	95.1	89.1	84.0	78.0	71.1	62.5	51.4	39.4	33.4	34.3
115°	79.7	79.7	76.2	72.8	68.5	63.4	54.8	43.7	33.4	30.0	30.0
117.5°	67.7	66.8	66.0	63.4	60.8	55.7	47.1	37.7	28.3	26.6	27.4
120°	58.3	58.3	56.5	55.7	53.1	48.0	41.1	31.7	24.0	24.0	24.0
122.5°	49.7	50.5	48.8	48.0	46.3	42.8	35.1	26.6	21.4	20.6	21.4
125°	43.7	43.7	42.8	42.0	40.3	36.0	30.0	22.3	18.0	18.8	18.8
127.5°	36.8	37.7	36.8	36.0	35.1	30.8	24.8	18.0	15.4	16.3	16.3
130°	32.6	32.6	31.7	30.8	29.1	25.7	20.6	14.6	13.7	14.6	14.6
132.5°	27.4	27.4	27.4	25.7	24.0	21.4	16.3	12.0	11.1	12.9	12.9
135°	23.1	23.1	23.1	21.4	19.7	16.3	12.0	9.4	9.4	11.1	11.1
137.5°	18.8	19.7	18.8	17.1	15.4	12.9	9.4	6.9	7.7	9.4	9.4
140°	15.4	15.4	14.6	13.7	11.1	8.6	6.0	5.1	6.9	7.7	7.7
142.5°	12.0	12.0	11.1	9.4	7.7	6.0	3.4	3.4	5.1	6.0	6.0
145°	8.6	8.6	7.7	6.0	4.3	2.6	0.9	1.7	3.4	4.3	4.3
147.5°	5.1	5.1	5.1	4.3	2.6	0.9	0.0	0.9	1.7	2.6	2.6
150°	3.4	3.4	3.4	2.6	1.7	0.0	0.0	0.0	0.9	1.7	1.7
152.5°	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	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)