

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: P416969

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416969
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-PA1-80-830-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA 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: 6890 lumens
Efficiency: N/A
Efficacy: 83.0 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

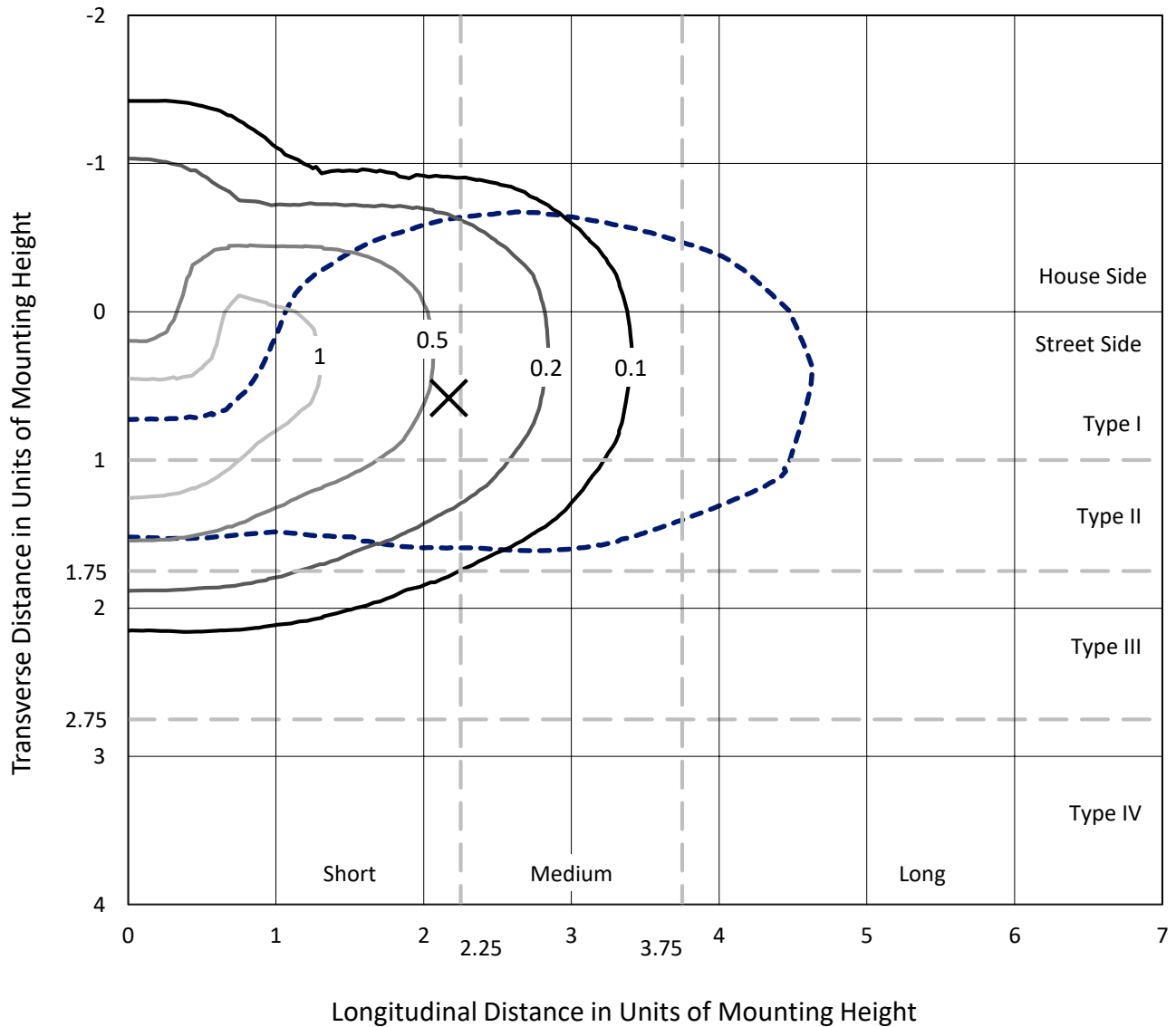
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

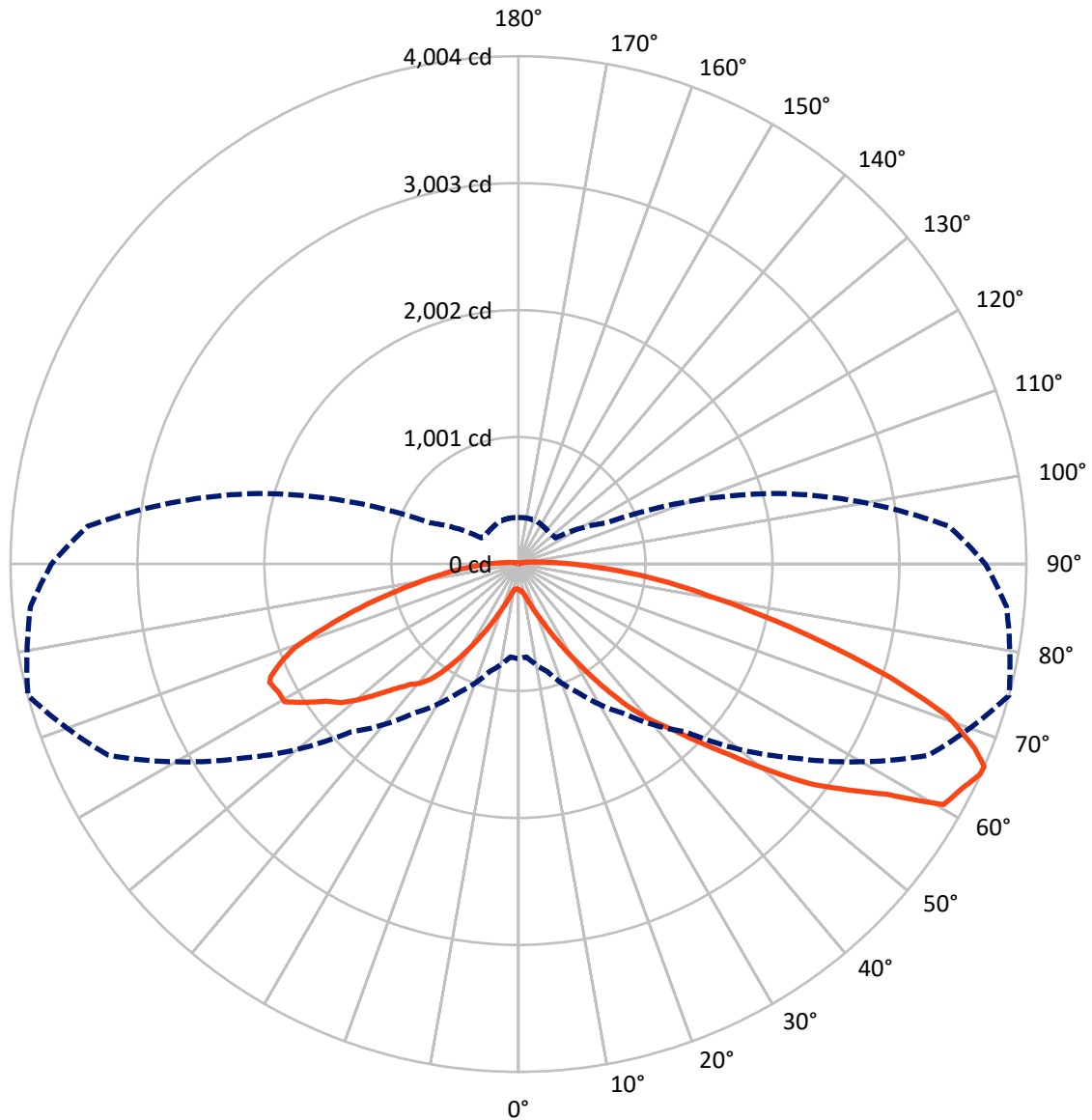
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	1956.9	95.6	2052.5
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	4743.1	94.5	4837.5
	% Fixture	68.8	1.4	70.2
Total	Lumens	6700.0	190.0	6890.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.3
10°-20°	86.5	1.3
20°-30°	262.6	3.8
30°-40°	649.5	9.4
40°-50°	1172.9	17.0
50°-60°	1584.8	23.0
60°-70°	1590.9	23.1
70°-80°	960.8	13.9
80°-90°	371.4	5.4
90°-100°	110.3	1.6
100°-110°	39.8	0.6
110°-120°	19.3	0.3
120°-130°	11.4	0.2
130°-140°	6.8	0.1
140°-150°	2.2	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6700.0	97.2
0°-180°	6890.0	100.0



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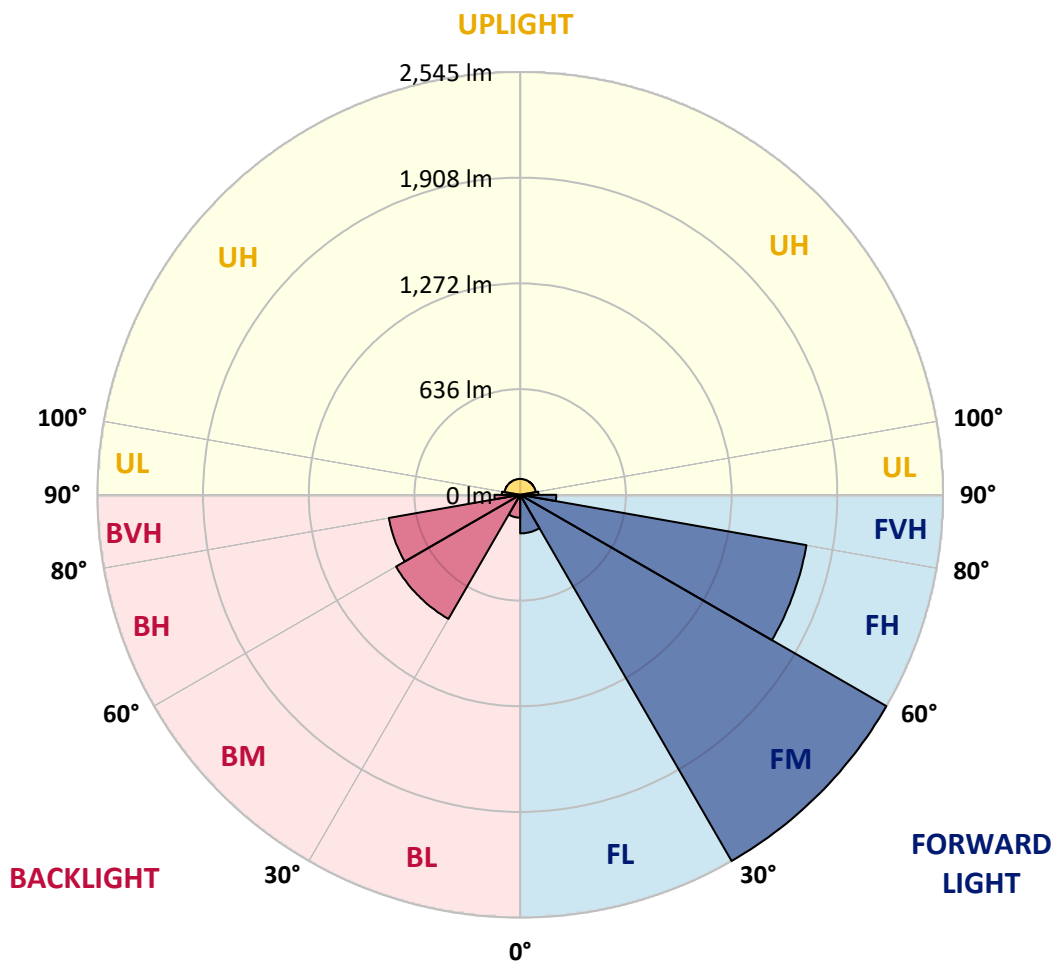
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.1	3.4			
FM (30°-60°)	2544.6	36.9			
FH (60°-80°)	1749.4	25.4			G1/1800
FVH (80°-90°)	216.9	3.1			G2/225
BL (0°-30°)	137.5	2.0	B1/500		
BM (30°-60°)	862.6	12.5	B1/1000		
BH (60°-80°)	802.3	11.6	B2/1000		G2/1000
BVH (80°-90°)	154.5	2.2			G2/225
UL (90°-100°)	110.3	1.6		U3/500	
UH (100°-180°)	95.6	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°	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
2.5°	224.1	222.5	220.9	219.3	217.7	216.1	212.9	209.0	205.8	205.8	202.6
5°	244.7	243.1	240.8	237.6	234.4	231.2	224.9	218.5	212.1	212.1	206.6
7.5°	270.2	269.4	266.2	262.2	255.1	247.9	240.0	230.4	221.7	220.9	213.7
10°	302.7	301.1	296.4	290.8	282.9	273.3	262.2	250.3	237.6	236.8	228.0
12.5°	348.0	344.8	336.9	328.2	313.1	303.5	290.8	279.7	270.2	267.8	255.9
15°	406.8	402.8	394.1	379.0	359.1	341.7	334.5	322.6	312.3	309.1	298.0
17.5°	482.3	478.3	463.2	439.4	418.7	401.3	385.4	373.4	364.7	363.9	348.0
20°	585.6	576.1	551.4	518.1	491.0	469.6	447.3	433.8	425.1	421.9	412.4
22.5°	712.7	710.3	675.4	631.7	587.2	548.3	523.6	508.5	502.2	503.0	497.4
25°	874.8	867.7	834.3	770.7	704.0	654.7	620.6	611.0	610.2	604.7	602.3
27.5°	1048.0	1038.5	994.8	933.6	845.4	778.7	740.5	730.2	732.6	726.2	731.0
30°	1260.2	1255.4	1191.9	1102.9	1007.5	920.1	880.4	871.6	877.2	885.1	880.4
32.5°	1522.4	1529.5	1442.9	1323.0	1189.5	1088.6	1044.9	1041.7	1049.6	1048.0	1045.7
35°	1841.8	1854.5	1734.5	1589.1	1405.6	1285.6	1230.8	1226.8	1242.7	1241.1	1242.7
37.5°	2183.5	2189.0	2091.3	1860.9	1647.1	1481.1	1435.8	1431.0	1446.1	1437.4	1428.6
40°	2452.8	2479.1	2364.6	2166.8	1887.9	1718.7	1663.8	1637.6	1624.1	1614.6	1551.0
42.5°	2707.9	2692.0	2611.0	2390.9	2135.0	1950.7	1877.6	1828.3	1784.6	1778.2	1708.3
45°	2874.8	2854.9	2777.8	2574.4	2334.4	2181.9	2114.3	2054.8	2005.5	1983.2	1899.0
47.5°	2884.3	2874.8	2856.5	2703.9	2494.2	2361.5	2339.2	2307.4	2253.4	2254.2	2146.1
50°	2738.9	2723.8	2777.0	2719.0	2573.6	2503.7	2587.9	2622.9	2553.7	2546.6	2434.6
52.5°	2481.4	2473.5	2570.4	2627.6	2576.0	2603.0	2803.2	2930.4	2876.3	2847.7	2703.1
55°	2220.8	2230.4	2314.6	2406.7	2491.8	2631.6	2993.9	3247.4	3140.9	3121.9	2941.5
57.5°	1865.6	1897.4	2023.0	2167.6	2301.1	2591.9	3094.1	3448.4	3421.4	3414.3	3260.1
60°	1476.3	1473.1	1659.1	1869.6	2088.9	2460.8	3099.6	3701.1	3851.3	3817.1	3599.4
62.5°	1146.6	1154.5	1288.0	1551.8	1845.8	2261.3	3023.3	3813.9	3914.0	3875.1	3685.2
65°	830.3	843.0	1005.9	1218.9	1551.0	1992.0	2806.4	3660.6	3999.1	3975.2	3868.0
66°	746.1	735.0	878.0	1119.5	1435.0	1872.8	2669.8	3567.6	4003.8	3990.3	3862.4
67.5°	599.9	614.2	724.6	935.2	1248.3	1682.9	2422.6	3419.0	3879.9	3861.6	3775.8
70°	444.2	457.7	533.2	701.6	947.1	1342.0	2003.1	2953.4	3587.5	3601.0	3591.5
72.5°	329.0	343.3	394.9	516.5	700.8	998.0	1587.5	2489.4	3067.8	3099.6	3077.4
75°	255.9	261.4	304.3	389.3	512.5	703.2	1174.4	1929.2	2497.3	2556.1	2576.8
77.5°	205.8	210.6	245.5	300.3	383.8	513.3	823.2	1438.2	1976.9	2018.2	2057.1
80°	166.1	169.2	197.8	241.5	294.0	367.1	555.4	1044.9	1516.8	1540.7	1597.9
82.5°	133.5	135.9	156.5	193.9	235.2	278.9	394.9	729.4	1191.1	1213.3	1285.6
85°	104.9	106.5	124.7	154.1	189.1	220.9	285.3	515.7	858.1	878.8	966.2
87.5°	82.6	84.2	98.5	120.0	152.6	174.8	210.6	347.2	579.2	608.6	708.0
90°	65.2	65.9	76.3	93.0	118.4	142.2	165.3	242.3	386.2	402.8	458.5
92.5°	49.3	50.1	58.0	70.7	92.2	112.8	126.3	167.7	247.1	254.3	294.0
95°	36.6	37.3	43.7	51.6	69.1	88.2	97.7	117.6	155.7	165.3	175.6
97.5°	28.6	29.4	33.4	38.1	50.9	69.1	77.9	86.6	106.5	109.7	117.6
100°	24.6	24.6	27.0	30.2	38.1	54.0	61.2	68.3	80.3	80.3	85.0
102.5°	20.7	20.7	22.2	23.8	31.0	42.9	49.3	54.0	60.4	61.2	65.2
105°	18.3	18.3	19.1	20.7	26.2	35.0	40.5	42.9	46.9	46.9	48.5
107.5°	15.9	15.9	16.7	17.5	23.0	29.4	32.6	33.4	35.0	35.0	37.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	15.1	15.1	15.1	15.9	19.9	25.4	27.0	26.2	27.0	27.0	29.4
112.5°	14.3	13.5	13.5	14.3	18.3	22.2	22.2	21.5	21.5	21.5	23.8
115°	13.5	13.5	12.7	13.5	16.7	19.1	19.1	17.5	17.5	17.5	19.9
117.5°	13.5	13.5	12.7	12.7	15.1	17.5	16.7	15.1	14.3	15.1	17.5
120°	13.5	13.5	11.9	11.9	14.3	15.1	15.1	12.7	12.7	12.7	15.1
122.5°	13.5	13.5	11.9	11.9	13.5	14.3	13.5	11.1	11.1	11.1	13.5
125°	14.3	13.5	11.9	11.9	12.7	12.7	11.9	10.3	9.5	9.5	11.9
127.5°	14.3	14.3	12.7	11.9	11.9	11.9	11.1	9.5	8.7	8.7	11.1
130°	15.9	15.1	13.5	11.9	11.1	10.3	9.5	8.7	8.7	8.7	10.3
132.5°	15.9	15.9	13.5	11.1	10.3	9.5	8.7	7.2	7.9	7.9	9.5
135°	15.1	14.3	11.9	10.3	9.5	7.9	7.2	6.4	7.2	7.2	8.7
137.5°	13.5	12.7	11.1	8.7	7.9	6.4	5.6	4.8	5.6	5.6	7.2
140°	11.1	11.1	8.7	7.2	6.4	5.6	4.8	3.2	4.0	4.8	5.6
142.5°	9.5	8.7	7.2	5.6	4.8	4.0	3.2	2.4	3.2	3.2	4.0
145°	7.9	7.2	5.6	4.0	3.2	2.4	1.6	1.6	1.6	1.6	2.4
147.5°	6.4	5.6	4.0	2.4	1.6	1.6	0.8	0.8	1.6	1.6	1.6
150°	4.8	4.8	3.2	1.6	0.8	0.8	0.0	0.8	0.8	0.8	0.8
152.5°	4.0	4.0	2.4	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8
155°	2.4	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	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°	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
2.5°	201.8	200.2	198.6	197.1	195.5	194.7	192.3	190.7	190.7	190.7	189.9
5°	204.2	201.0	197.1	193.9	189.9	186.7	184.3	182.0	180.4	180.4	180.4
7.5°	209.8	206.6	199.4	193.1	187.5	182.8	179.6	177.2	176.4	175.6	175.6
10°	222.5	216.9	207.4	197.8	189.9	183.5	180.4	178.8	178.0	178.0	178.0
12.5°	251.1	243.1	228.8	212.9	199.4	189.9	186.7	186.7	191.5	193.9	193.9
15°	289.2	282.1	265.4	243.1	221.7	205.8	203.4	209.0	215.3	218.5	217.7
17.5°	341.7	332.1	309.9	280.5	251.9	236.0	228.8	234.4	242.3	246.3	246.3
20°	403.6	394.1	363.9	324.2	289.2	271.7	260.6	260.6	270.9	274.1	275.7
22.5°	488.7	474.4	431.5	376.6	331.3	304.3	290.8	288.4	300.3	305.9	304.3
25°	584.0	572.9	522.8	441.0	382.2	338.5	320.2	320.2	335.3	348.0	348.8
27.5°	717.5	689.7	619.8	519.6	431.5	370.3	350.4	354.4	370.3	383.0	383.0
30°	857.3	837.5	735.0	603.1	479.1	399.7	371.1	377.4	391.7	406.0	406.0
32.5°	1026.6	993.2	866.9	685.7	522.8	418.7	382.2	390.9	407.6	421.9	421.9
35°	1191.9	1164.8	999.6	772.3	561.0	426.7	387.0	397.3	416.4	433.8	435.4
37.5°	1384.1	1325.3	1129.1	850.2	588.8	428.3	385.4	403.6	429.1	448.9	449.7
40°	1499.4	1428.6	1216.5	908.2	601.5	422.7	385.4	408.4	429.9	437.0	436.2
42.5°	1636.0	1547.0	1277.7	915.3	585.6	411.6	384.6	402.8	412.4	412.4	411.6
45°	1819.6	1719.4	1374.6	919.3	553.0	398.1	378.2	390.1	387.7	380.6	378.2
47.5°	2044.4	1922.9	1497.8	933.6	521.2	384.6	371.1	374.2	363.1	347.2	346.4
50°	2313.0	2170.0	1642.4	948.7	493.4	373.4	364.7	361.5	350.4	336.9	335.3
52.5°	2564.9	2392.4	1773.5	959.0	470.4	366.3	359.9	359.1	348.0	330.5	329.0
55°	2792.9	2586.3	1861.7	939.2	449.7	363.1	359.9	360.7	346.4	329.0	326.6
57.5°	3122.7	2896.2	2001.5	909.8	425.1	362.3	362.3	363.1	345.6	329.0	326.6
60°	3409.5	3157.6	2139.0	907.4	401.3	361.5	363.1	362.3	349.6	339.3	336.9
62.5°	3508.0	3268.1	2145.3	850.2	386.2	357.6	359.9	363.9	361.5	356.8	354.4
65°	3694.0	3431.7	2172.4	785.8	364.7	350.4	356.0	366.3	367.9	364.7	362.3
66°	3680.4	3408.7	2146.1	766.0	357.6	346.4	353.6	364.7	367.9	367.1	365.5
67.5°	3613.7	3349.1	2059.5	709.5	347.2	339.3	349.6	360.7	367.9	370.3	368.7
70°	3433.3	3169.5	1887.1	624.5	327.4	322.6	336.9	351.2	363.1	367.1	366.3
72.5°	2925.6	2674.5	1578.8	533.2	299.6	298.8	315.4	332.9	347.2	351.2	349.6
75°	2456.0	2208.9	1296.7	439.4	270.9	271.7	287.6	304.3	315.4	315.4	316.2
77.5°	1968.9	1760.0	1027.4	364.7	241.5	241.5	252.7	266.2	273.3	270.2	265.4
80°	1514.4	1376.2	802.5	305.1	212.1	210.6	216.1	226.5	232.0	224.9	219.3
82.5°	1222.8	1103.7	634.9	254.3	183.5	182.0	184.3	191.5	194.7	186.7	184.3
85°	928.1	820.8	477.5	209.0	158.9	154.9	158.9	160.5	164.5	157.3	152.6
87.5°	656.3	581.6	346.4	174.0	135.9	133.5	132.7	134.3	136.7	131.9	129.5
90°	441.0	387.0	250.3	145.4	116.0	112.0	110.4	110.4	112.0	104.1	101.7
92.5°	282.9	250.3	174.0	116.0	96.9	92.2	89.0	89.8	89.0	81.0	79.5
95°	176.4	159.7	125.5	91.4	77.9	73.9	70.7	69.9	69.1	63.6	62.0
97.5°	115.2	109.7	93.8	72.3	62.0	58.8	57.2	56.4	56.4	52.4	50.1
100°	85.8	83.4	73.9	60.4	50.9	48.5	46.9	46.9	48.5	45.3	43.7
102.5°	66.7	67.5	60.4	50.9	42.9	41.3	39.7	39.7	41.3	39.7	38.9
105°	50.9	50.9	49.3	42.1	36.6	35.8	34.2	34.2	35.8	35.8	35.8
107.5°	39.7	41.3	39.7	35.0	31.8	31.0	29.4	29.4	31.0	31.8	32.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	31.8	33.4	32.6	30.2	27.8	27.0	25.4	24.6	26.2	28.6	28.6
112.5°	25.4	27.0	27.0	25.4	23.8	23.8	22.2	21.5	23.0	25.4	25.4
115°	21.5	23.0	23.0	22.2	21.5	20.7	19.1	18.3	19.9	22.2	23.0
117.5°	18.3	19.9	19.9	19.9	19.1	18.3	16.7	15.9	16.7	19.1	19.9
120°	16.7	17.5	17.5	17.5	16.7	16.7	15.1	14.3	15.1	17.5	17.5
122.5°	14.3	15.1	15.9	15.9	15.1	15.1	13.5	11.9	12.7	15.1	15.9
125°	12.7	13.5	14.3	14.3	13.5	13.5	11.9	11.1	11.9	13.5	14.3
127.5°	11.9	12.7	12.7	12.7	12.7	11.9	10.3	9.5	10.3	12.7	12.7
130°	11.1	11.9	11.9	11.9	11.1	10.3	9.5	8.7	9.5	11.9	11.9
132.5°	10.3	11.1	11.1	10.3	10.3	9.5	7.9	7.2	8.7	10.3	10.3
135°	8.7	9.5	9.5	9.5	8.7	7.9	7.2	6.4	7.9	8.7	8.7
137.5°	7.2	7.9	7.9	7.9	7.2	6.4	5.6	5.6	6.4	7.9	7.9
140°	5.6	6.4	6.4	6.4	5.6	5.6	4.8	4.0	5.6	6.4	6.4
142.5°	4.0	4.8	4.8	4.8	4.0	4.0	3.2	3.2	4.8	5.6	5.6
145°	2.4	3.2	3.2	3.2	3.2	2.4	2.4	2.4	3.2	4.0	4.0
147.5°	1.6	2.4	2.4	2.4	2.4	1.6	0.8	1.6	2.4	3.2	3.2
150°	0.8	1.6	1.6	1.6	1.6	0.8	0.0	0.8	1.6	2.4	2.4
152.5°	0.8	0.8	1.6	1.6	0.8	0.8	0.0	0.0	0.8	0.8	0.8
155°	0.0	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.0
157.5°	0.0	0.0	0.0	0.8	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)