

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: P695048

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T2U-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-727-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3826 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

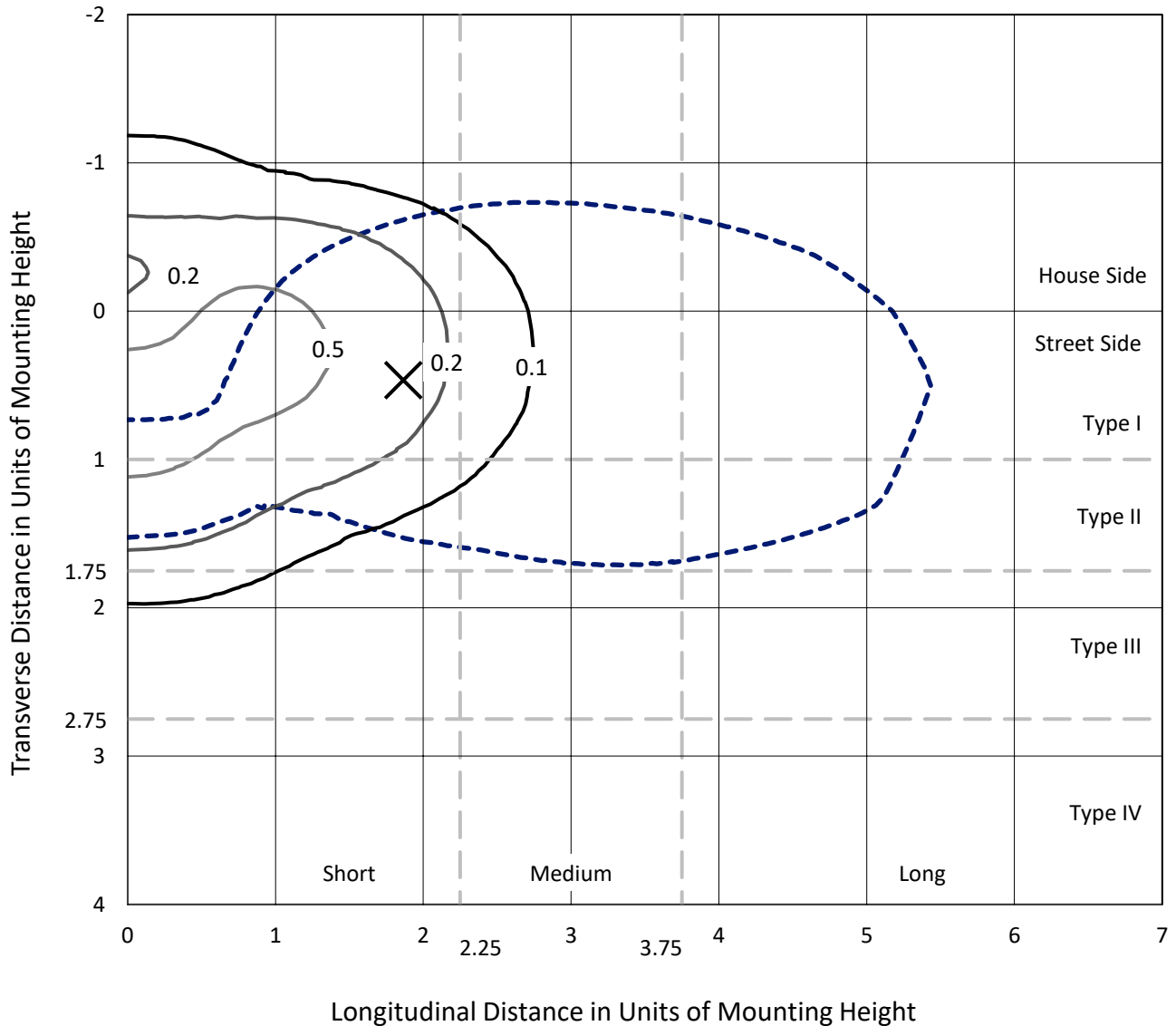
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

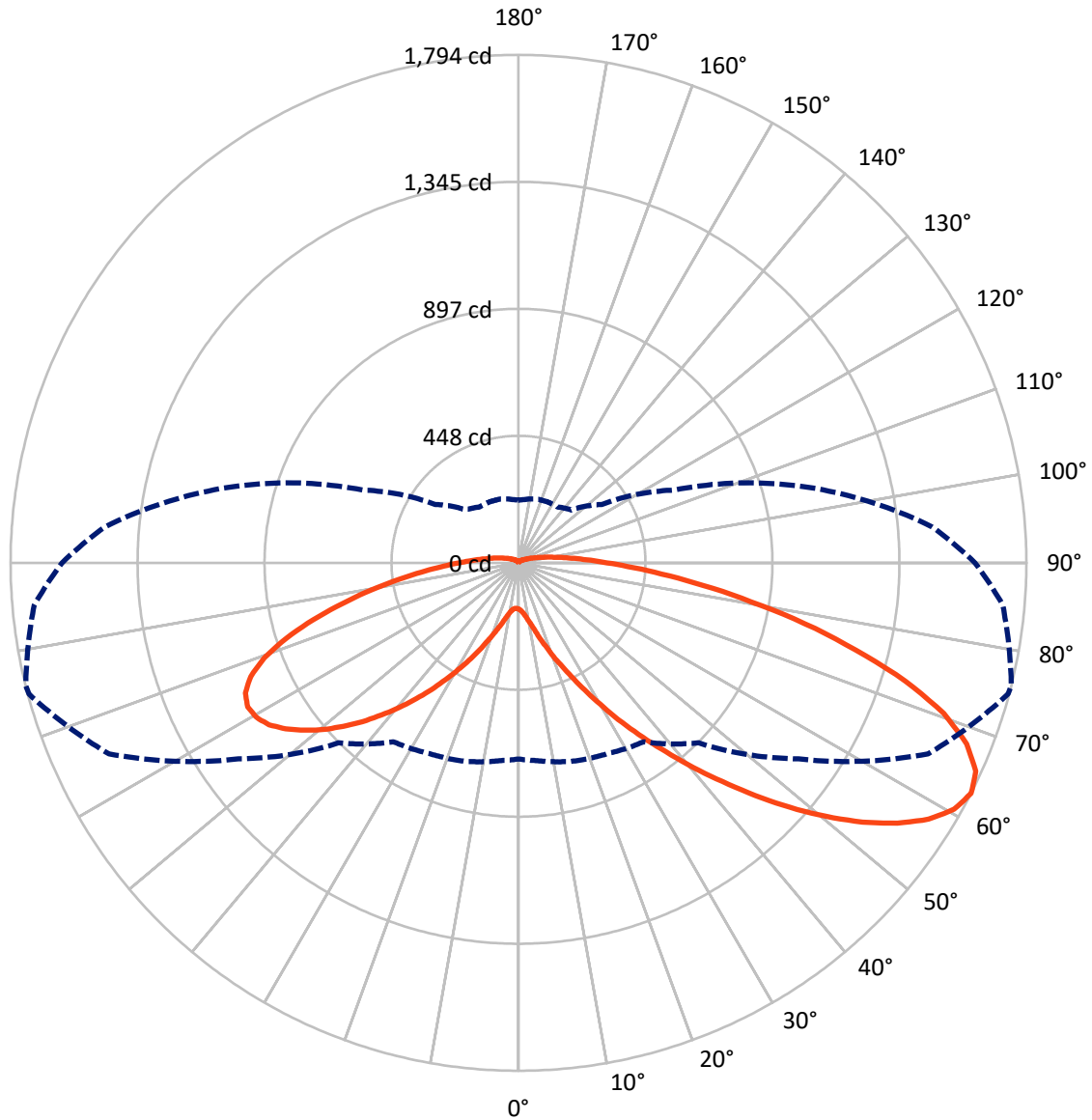
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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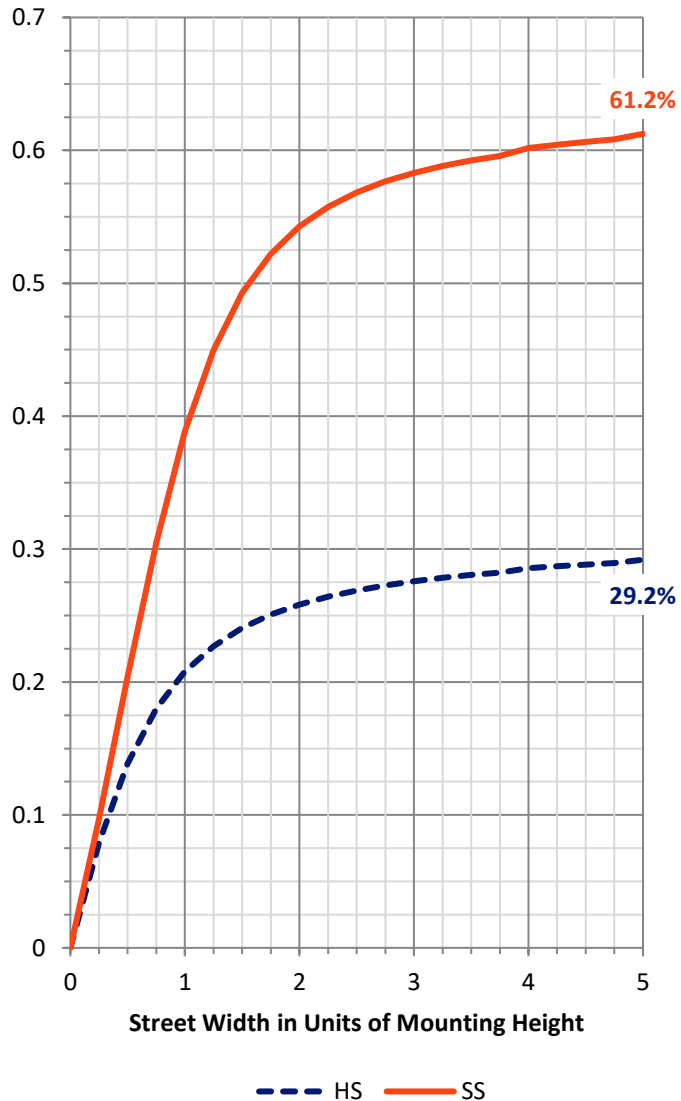
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1163.9	114.3	1278.2
	% Fixture	30.4	3.0	33.4
Street Side	Lumens	2407.8	140.0	2547.7
	% Fixture	62.9	3.7	66.6
Total	Lumens	3571.7	254.3	3826.0
	% Fixture	93.4	6.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.4
10°-20°	70.4	1.8
20°-30°	179.8	4.7
30°-40°	359.3	9.4
40°-50°	580.5	15.2
50°-60°	759.3	19.8
60°-70°	770.3	20.1
70°-80°	553.9	14.5
80°-90°	281.2	7.4
90°-100°	127.2	3.3
100°-110°	62.5	1.6
110°-120°	33.4	0.9
120°-130°	18.4	0.5
130°-140°	9.2	0.2
140°-150°	3.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3571.7	93.4
0°-180°	3826.0	100.0

Coefficient of Utilization

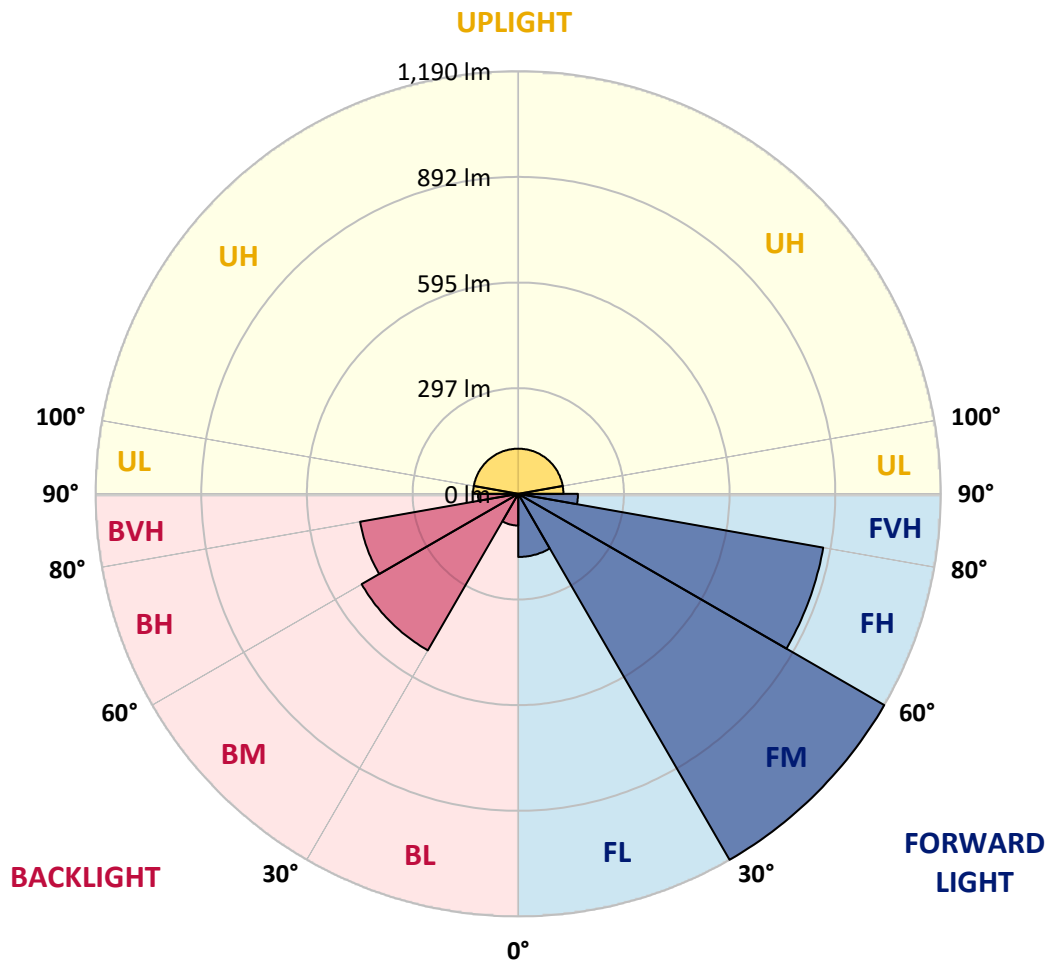


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.9	4.6			
FM (30°-60°)	1190.0	31.1			
FH (60°-80°)	872.0	22.8			G1/1800
FVH (80°-90°)	168.0	4.4			G2/225
BL (0°-30°)	89.3	2.3	B0/110		
BM (30°-60°)	509.1	13.3	B1/1000		
BH (60°-80°)	452.2	11.8	B1/500		G1/500
BVH (80°-90°)	113.3	3.0			G2/225
UL (90°-100°)	127.2	3.3		U3/500	
UH (100°-180°)	127.1	3.3		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5
2.5°	182.8	181.4	181.4	180.0	178.7	177.3	174.5	171.8	169.0	169.0	166.3
5°	207.5	206.2	206.2	203.4	200.7	195.2	191.0	185.5	180.0	178.7	173.2
7.5°	235.0	236.4	235.0	230.9	226.8	219.9	211.7	203.4	193.8	192.4	184.2
10°	269.4	270.7	266.6	261.1	257.0	250.1	237.8	226.8	214.4	213.0	202.0
12.5°	310.6	307.9	307.9	301.0	292.7	280.4	266.6	254.3	239.1	236.4	224.0
15°	351.8	357.3	353.2	343.6	331.2	318.8	305.1	290.0	274.9	272.1	254.3
17.5°	399.9	406.8	401.3	390.3	377.9	361.5	349.1	329.8	312.0	307.9	287.2
20°	460.4	460.4	453.5	439.8	426.0	413.7	395.8	375.2	354.6	353.2	325.7
22.5°	520.9	518.1	511.3	496.1	479.6	465.9	445.3	426.0	405.4	398.6	375.2
25°	588.2	585.5	573.1	552.5	538.7	519.5	503.0	483.8	461.8	454.9	428.8
27.5°	656.9	654.2	639.1	619.8	597.8	578.6	562.1	547.0	519.5	519.5	489.3
30°	728.4	724.3	706.4	685.8	658.3	639.1	629.5	614.3	595.1	591.0	553.9
32.5°	795.7	797.1	779.3	750.4	721.5	702.3	698.2	694.0	673.4	672.1	632.2
35°	865.8	863.1	843.9	815.0	784.8	766.9	768.3	776.5	758.6	755.9	707.8
37.5°	929.1	929.1	908.4	872.7	839.7	826.0	845.2	867.2	854.8	846.6	797.1
40°	986.8	982.7	964.8	927.7	890.6	889.2	923.6	956.5	952.4	949.7	889.2
42.5°	1029.4	1023.9	1007.4	968.9	935.9	942.8	999.2	1062.4	1061.0	1055.5	990.9
45°	1052.8	1050.0	1034.9	999.2	967.5	993.7	1076.1	1161.3	1176.4	1172.3	1094.0
47.5°	1056.9	1055.5	1043.1	1011.5	988.2	1030.8	1151.7	1265.8	1289.1	1290.5	1201.2
50°	1040.4	1040.4	1032.1	1007.4	993.7	1056.9	1210.8	1373.0	1406.0	1407.3	1309.8
52.5°	1000.5	1000.5	1000.5	984.0	981.3	1065.1	1260.3	1458.2	1522.8	1521.4	1422.5
55°	944.2	942.8	948.3	945.6	949.7	1051.4	1283.6	1537.9	1627.2	1623.1	1525.5
57.5°	874.1	870.0	883.7	889.2	901.6	1018.4	1287.8	1591.5	1711.1	1708.3	1609.4
60°	783.4	786.1	806.7	816.4	838.4	966.2	1260.3	1610.7	1767.4	1767.4	1679.5
62.5°	692.7	700.9	725.7	743.5	771.0	898.8	1206.7	1595.6	1789.4	1793.5	1716.6
65°	604.7	615.7	643.2	662.4	696.8	816.4	1118.7	1536.5	1767.4	1774.3	1719.3
67.5°	525.0	527.8	558.0	580.0	615.7	728.4	1018.4	1436.2	1694.6	1706.9	1675.3
70°	448.0	452.2	482.4	507.1	538.7	636.3	898.8	1287.8	1572.3	1592.9	1577.8
72.5°	373.8	380.7	406.8	435.7	465.9	551.1	771.0	1138.0	1407.3	1429.3	1437.6
75°	314.7	321.6	347.7	375.2	402.7	471.4	656.9	963.4	1217.7	1230.0	1269.9
77.5°	261.1	269.4	291.4	318.8	343.6	401.3	544.2	794.4	1023.9	1033.5	1067.9
80°	218.5	225.4	243.3	269.4	288.6	336.7	445.3	643.2	820.5	832.9	863.1
82.5°	181.4	184.2	203.4	225.4	246.0	284.5	364.2	511.3	643.2	656.9	698.2
85°	152.6	153.9	170.4	188.3	207.5	236.4	296.9	399.9	496.1	505.8	536.0
87.5°	123.7	126.4	142.9	159.4	174.5	199.3	240.5	314.7	382.1	386.2	406.8
90°	103.1	105.8	119.6	134.7	149.8	166.3	197.9	243.3	291.4	294.1	306.5
92.5°	86.6	88.0	100.3	115.4	129.2	142.9	162.2	192.4	226.8	229.5	235.0
95°	72.8	74.2	85.2	97.6	109.9	120.9	136.1	155.3	175.9	177.3	182.8
97.5°	63.2	63.2	72.8	83.8	94.8	103.1	112.7	126.4	138.8	137.4	138.8
100°	53.6	53.6	61.8	72.8	82.5	89.3	94.8	101.7	107.2	108.6	108.6
102.5°	46.7	46.7	53.6	64.6	72.8	78.3	82.5	83.8	86.6	86.6	85.2
105°	39.9	41.2	46.7	56.3	63.2	68.7	70.1	70.1	68.7	68.7	68.7
107.5°	35.7	35.7	41.2	49.5	56.3	60.5	61.8	59.1	56.3	55.0	55.0
110°	33.0	33.0	37.1	44.0	50.9	53.6	53.6	49.5	45.4	46.7	45.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	28.9	30.2	33.0	39.9	45.4	48.1	46.7	42.6	38.5	37.1	37.1
115°	27.5	27.5	30.2	35.7	41.2	42.6	41.2	37.1	31.6	31.6	31.6
117.5°	24.7	24.7	27.5	31.6	35.7	38.5	35.7	31.6	26.1	26.1	26.1
120°	23.4	23.4	24.7	28.9	33.0	34.4	31.6	27.5	22.0	22.0	23.4
122.5°	22.0	22.0	23.4	26.1	28.9	30.2	28.9	23.4	19.2	19.2	20.6
125°	20.6	20.6	20.6	23.4	26.1	27.5	24.7	20.6	16.5	16.5	17.9
127.5°	19.2	19.2	19.2	20.6	23.4	23.4	22.0	17.9	15.1	15.1	16.5
130°	17.9	17.9	17.9	19.2	20.6	20.6	17.9	15.1	13.7	13.7	13.7
132.5°	16.5	16.5	16.5	16.5	17.9	17.9	15.1	12.4	11.0	12.4	12.4
135°	15.1	15.1	15.1	15.1	15.1	15.1	12.4	9.6	9.6	9.6	11.0
137.5°	13.7	13.7	13.7	12.4	12.4	12.4	9.6	8.2	8.2	8.2	9.6
140°	12.4	12.4	12.4	11.0	9.6	9.6	6.9	6.9	6.9	6.9	8.2
142.5°	11.0	11.0	11.0	9.6	8.2	6.9	5.5	5.5	5.5	5.5	6.9
145°	9.6	9.6	8.2	8.2	5.5	4.1	4.1	4.1	4.1	5.5	5.5
147.5°	8.2	8.2	6.9	5.5	4.1	2.7	1.4	2.7	2.7	2.7	4.1
150°	5.5	5.5	5.5	4.1	2.7	1.4	1.4	1.4	2.7	2.7	2.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5
2.5°	164.9	163.5	160.8	158.1	155.3	153.9	152.6	151.2	151.2	151.2	151.2
5°	170.4	166.3	160.8	155.3	149.8	145.7	141.6	138.8	137.4	136.1	136.1
7.5°	180.0	174.5	164.9	156.7	148.4	140.2	134.7	130.6	127.8	126.4	126.4
10°	193.8	186.9	174.5	162.2	149.8	140.2	131.9	126.4	122.3	120.9	119.6
12.5°	215.8	207.5	189.7	171.8	156.7	142.9	133.3	125.1	120.9	119.6	119.6
15°	244.6	233.6	210.3	188.3	167.7	149.8	138.8	133.3	130.6	127.8	127.8
17.5°	274.9	262.5	236.4	208.9	184.2	163.5	151.2	145.7	140.2	138.8	138.8
20°	314.7	298.2	265.2	232.3	203.4	182.8	167.7	156.7	151.2	149.8	149.8
22.5°	357.3	336.7	299.6	258.4	226.8	200.7	182.8	169.0	163.5	160.8	160.8
25°	405.4	386.2	338.1	288.6	252.9	221.3	197.9	182.8	175.9	174.5	174.5
27.5°	463.2	439.8	380.7	324.3	277.6	239.1	213.0	195.2	188.3	186.9	186.9
30°	530.5	497.5	427.4	362.8	303.7	255.6	224.0	207.5	199.3	199.3	199.3
32.5°	593.7	559.4	478.3	401.3	327.1	269.4	235.0	218.5	210.3	210.3	210.3
35°	670.7	630.8	533.2	438.4	347.7	281.7	243.3	226.8	219.9	218.5	218.5
37.5°	755.9	705.0	588.2	472.8	367.0	290.0	250.1	233.6	226.8	225.4	225.4
40°	841.1	782.0	648.7	508.5	380.7	295.5	254.3	239.1	232.3	229.5	229.5
42.5°	931.8	864.5	706.4	541.5	393.1	298.2	255.6	243.3	236.4	232.3	232.3
45°	1029.4	949.7	768.3	567.6	401.3	299.6	257.0	244.6	239.1	233.6	233.6
47.5°	1133.8	1040.4	824.6	592.3	404.1	298.2	257.0	246.0	239.1	233.6	232.3
50°	1228.7	1128.3	882.3	611.6	404.1	295.5	257.0	247.4	240.5	232.3	232.3
52.5°	1329.0	1214.9	931.8	624.0	401.3	291.4	255.6	246.0	240.5	230.9	230.9
55°	1428.0	1297.4	977.2	630.8	394.4	285.9	252.9	246.0	239.1	229.5	228.1
57.5°	1507.7	1373.0	1014.3	630.8	384.8	279.0	248.8	244.6	237.8	228.1	226.8
60°	1572.3	1430.7	1034.9	622.6	372.4	272.1	244.6	241.9	236.4	225.4	224.0
62.5°	1612.1	1465.1	1040.4	607.5	358.7	263.9	240.5	237.8	233.6	224.0	221.3
65°	1619.0	1469.2	1023.9	581.4	340.8	252.9	233.6	233.6	229.5	219.9	218.5
67.5°	1579.1	1429.3	982.7	545.6	321.6	241.9	225.4	226.8	224.0	215.8	213.0
70°	1493.9	1352.4	913.9	504.4	299.6	230.9	215.8	217.1	214.4	207.5	206.2
72.5°	1362.0	1225.9	821.9	454.9	276.2	217.1	206.2	206.2	204.8	197.9	195.2
75°	1198.4	1080.2	716.0	402.7	252.9	202.0	193.8	193.8	192.4	185.5	182.8
77.5°	1015.6	912.6	606.1	351.8	228.1	186.9	178.7	180.0	178.7	170.4	170.4
80°	820.5	749.0	505.8	302.4	204.8	170.4	163.5	164.9	162.2	153.9	151.2
82.5°	658.3	599.2	409.6	258.4	181.4	155.3	148.4	148.4	144.3	137.4	136.1
85°	503.0	460.4	331.2	217.1	160.8	138.8	133.3	131.9	126.4	119.6	118.2
87.5°	391.7	356.0	265.2	184.2	140.2	123.7	118.2	115.4	109.9	103.1	101.7
90°	295.5	273.5	211.7	153.9	123.7	109.9	104.5	100.3	94.8	88.0	85.2
92.5°	229.5	215.8	171.8	131.9	107.2	97.6	92.1	88.0	81.1	75.6	72.8
95°	177.3	169.0	141.6	112.7	94.8	85.2	81.1	77.0	71.5	64.6	61.8
97.5°	140.2	133.3	115.4	96.2	83.8	77.0	71.5	67.3	60.5	55.0	53.6
100°	109.9	105.8	96.2	82.5	74.2	67.3	63.2	59.1	52.2	46.7	46.7
102.5°	86.6	85.2	79.7	71.5	66.0	60.5	56.3	52.2	46.7	41.2	39.9
105°	70.1	70.1	66.0	61.8	57.7	53.6	50.9	46.7	39.9	35.7	34.4
107.5°	56.3	57.7	56.3	55.0	50.9	48.1	45.4	39.9	34.4	30.2	30.2
110°	46.7	46.7	48.1	46.7	45.4	42.6	39.9	35.7	30.2	27.5	27.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	38.5	39.9	41.2	41.2	39.9	38.5	35.7	31.6	26.1	23.4	23.4
115°	33.0	33.0	35.7	35.7	35.7	34.4	31.6	27.5	23.4	20.6	22.0
117.5°	27.5	28.9	30.2	31.6	31.6	30.2	27.5	23.4	19.2	19.2	19.2
120°	24.7	24.7	26.1	27.5	27.5	27.5	24.7	20.6	17.9	16.5	16.5
122.5°	22.0	22.0	23.4	24.7	24.7	23.4	22.0	17.9	15.1	15.1	15.1
125°	19.2	19.2	20.6	22.0	22.0	20.6	17.9	15.1	13.7	13.7	13.7
127.5°	16.5	17.9	17.9	19.2	19.2	17.9	16.5	13.7	11.0	12.4	12.4
130°	15.1	15.1	16.5	16.5	16.5	15.1	13.7	11.0	11.0	11.0	11.0
132.5°	13.7	13.7	13.7	13.7	13.7	13.7	11.0	9.6	9.6	9.6	9.6
135°	11.0	12.4	12.4	12.4	12.4	11.0	9.6	8.2	8.2	8.2	9.6
137.5°	9.6	9.6	11.0	9.6	9.6	9.6	6.9	6.9	6.9	8.2	8.2
140°	8.2	8.2	8.2	8.2	8.2	6.9	5.5	5.5	6.9	6.9	6.9
142.5°	6.9	6.9	6.9	6.9	5.5	5.5	4.1	4.1	5.5	5.5	6.9
145°	5.5	5.5	5.5	5.5	4.1	4.1	2.7	4.1	4.1	5.5	5.5
147.5°	4.1	4.1	4.1	4.1	2.7	2.7	2.7	2.7	4.1	4.1	4.1
150°	2.7	2.7	2.7	2.7	1.4	1.4	1.4	2.7	2.7	4.1	4.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	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)