

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: P695086

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T4W-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-730-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4152 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G3

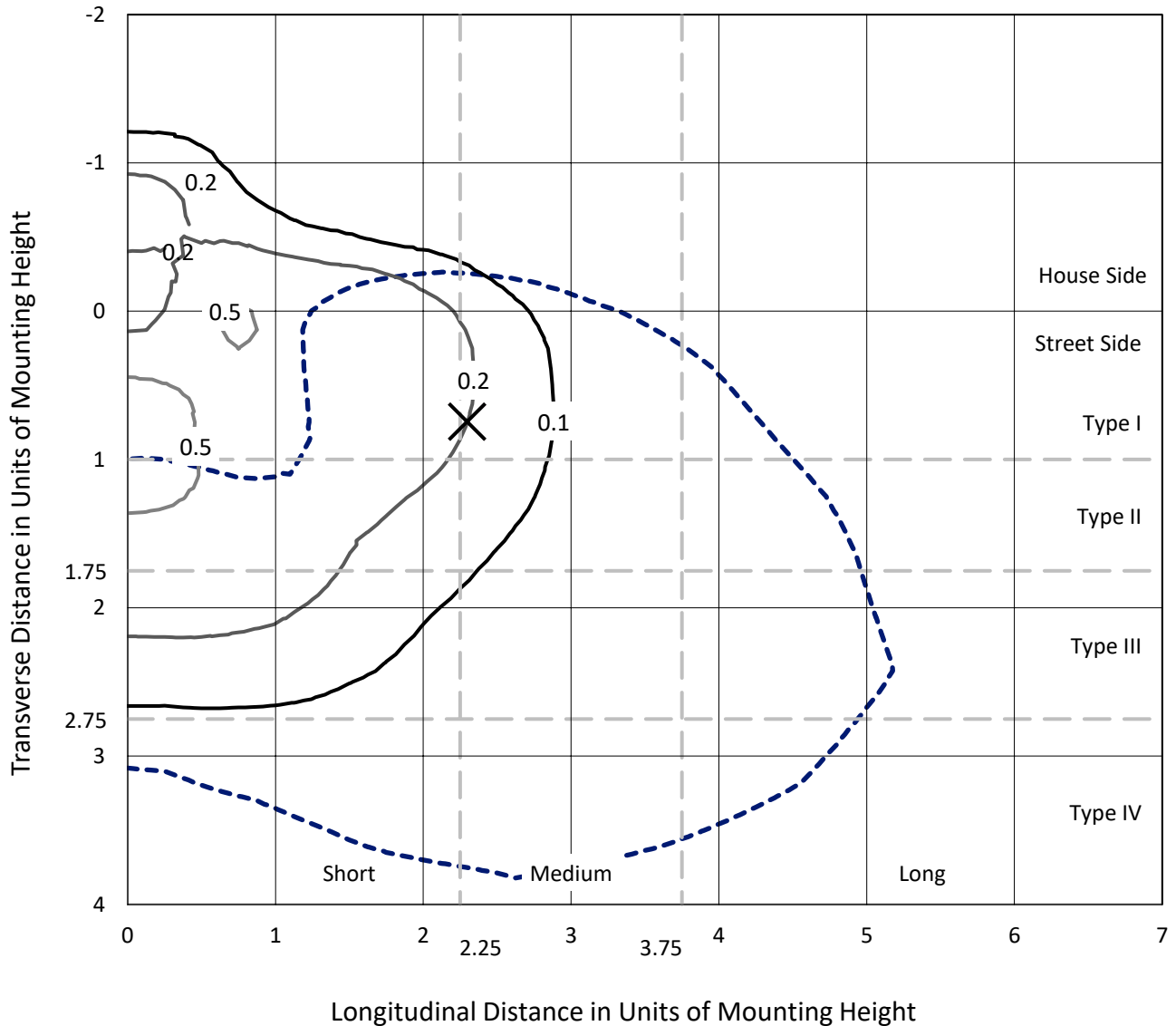
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

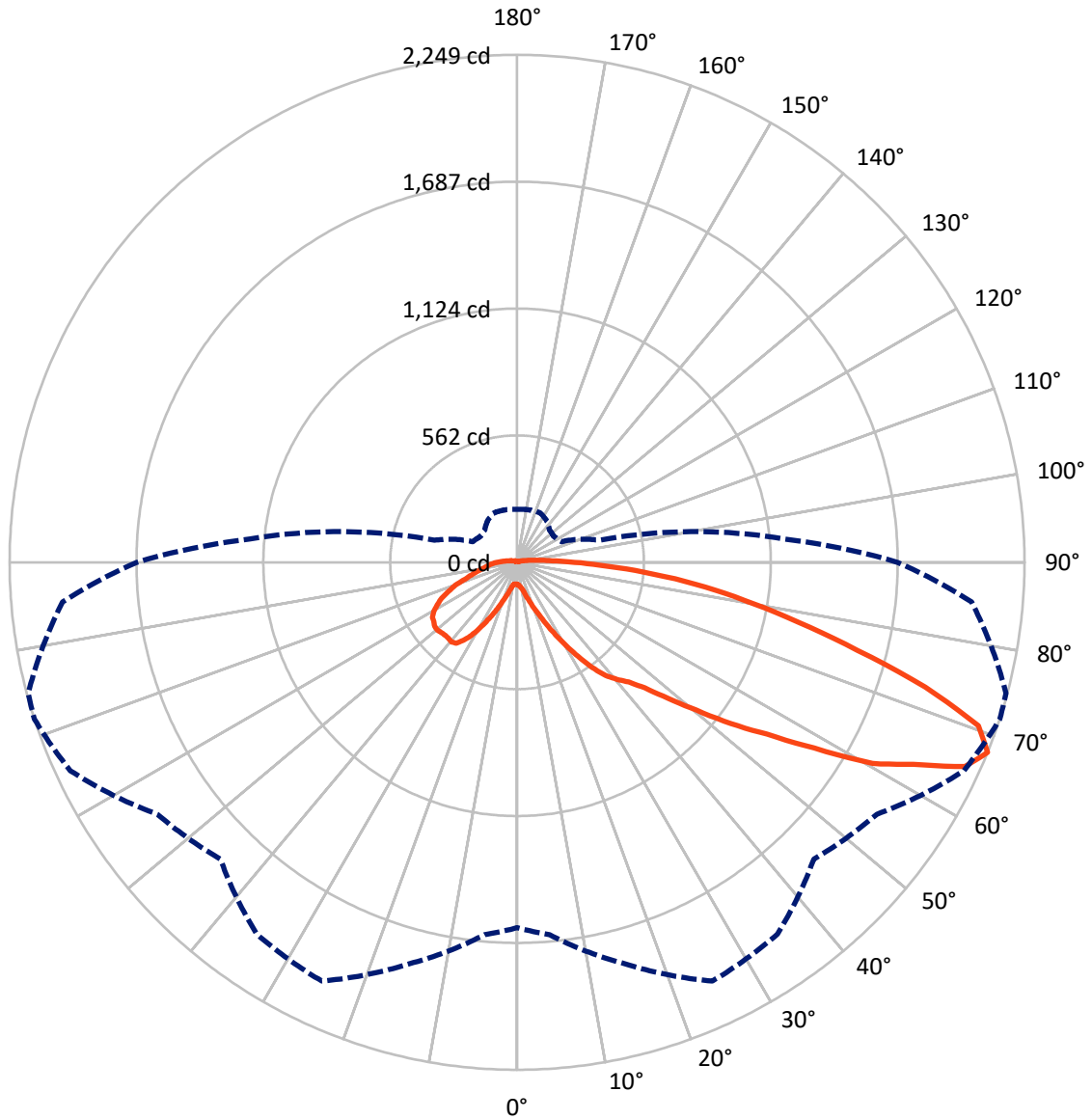
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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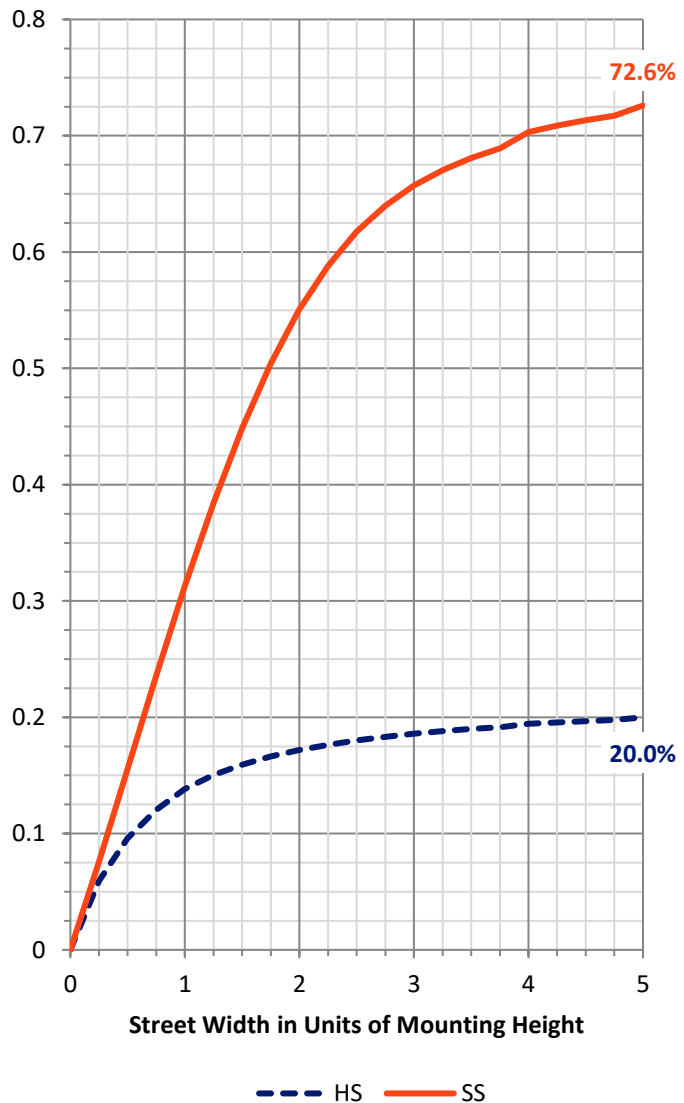
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	876.3	75.4	951.6
	% Fixture	21.1	1.8	22.9
Street Side	Lumens	3120.2	80.2	3200.4
	% Fixture	75.1	1.9	77.1
Total	Lumens	3996.4	155.6	4152.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.2
10°-20°	43.0	1.0
20°-30°	130.3	3.1
30°-40°	293.4	7.1
40°-50°	470.9	11.3
50°-60°	763.3	18.4
60°-70°	1113.2	26.8
70°-80°	834.6	20.1
80°-90°	337.8	8.1
90°-100°	93.8	2.3
100°-110°	30.8	0.7
110°-120°	14.2	0.3
120°-130°	8.5	0.2
130°-140°	5.5	0.1
140°-150°	2.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3996.4	96.3
0°-180°	4152.0	100.0

Coefficient of Utilization

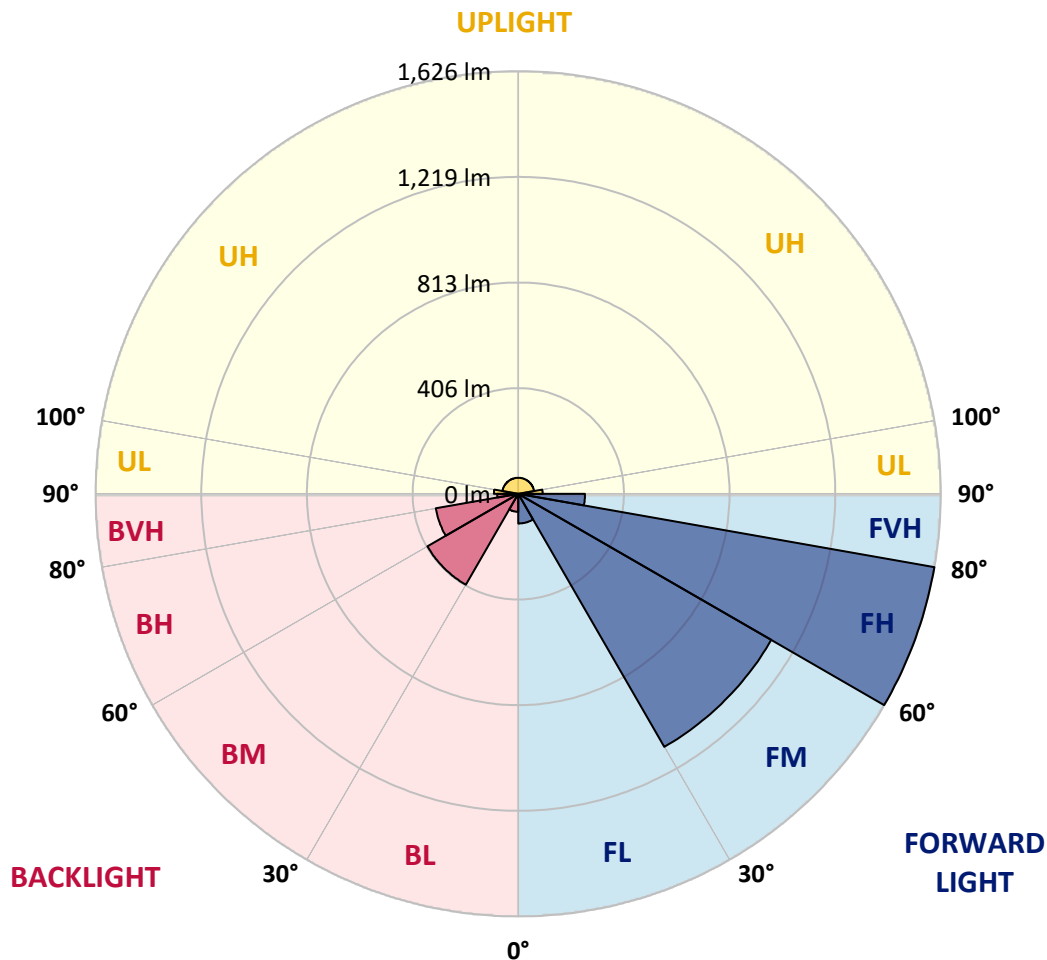


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.1	2.7			
FM (30°-60°)	1123.9	27.1			
FH (60°-80°)	1625.6	39.2			G1/1800
FVH (80°-90°)	256.5	6.2			G3/500
BL (0°-30°)	69.1	1.7	B0/110		
BM (30°-60°)	403.6	9.7	B1/1000		
BH (60°-80°)	322.2	7.8	B1/500		G1/500
BVH (80°-90°)	81.3	2.0			G1/100
UL (90°-100°)	93.8	2.3		U3/500	
UH (100°-180°)	61.8	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2.5°	103.0	103.0	103.0	103.0	103.0	103.0	103.0	101.5	100.0	100.0	98.5
5°	111.9	111.9	111.9	111.9	111.9	110.4	107.4	106.0	104.5	103.0	101.5
7.5°	125.3	123.9	123.9	122.4	120.9	119.4	116.4	113.4	110.4	108.9	106.0
10°	141.8	141.8	140.3	137.3	135.8	129.8	126.8	122.4	119.4	117.9	113.4
12.5°	171.6	168.6	167.1	162.7	155.2	147.7	141.8	137.3	134.3	134.3	128.3
15°	205.9	204.4	201.5	189.5	180.6	170.1	162.7	159.7	158.2	155.2	150.7
17.5°	247.7	247.7	241.7	225.3	210.4	200.0	191.0	186.5	185.0	185.0	180.6
20°	301.4	301.4	289.5	265.6	247.7	234.3	223.8	217.9	217.9	216.4	213.4
22.5°	364.1	367.1	349.2	317.9	288.0	268.6	256.7	255.2	255.2	261.1	258.2
25°	437.2	437.2	414.8	374.6	340.2	305.9	297.0	302.9	307.4	313.4	314.9
27.5°	531.2	528.3	491.0	440.2	386.5	349.2	338.7	350.7	364.1	368.6	377.5
30°	638.7	634.2	587.9	516.3	443.2	388.0	383.5	405.9	429.8	434.2	446.2
32.5°	729.7	732.7	680.5	601.4	501.4	435.7	431.3	467.1	496.9	507.4	529.8
35°	840.1	841.6	779.0	679.0	558.1	480.5	479.0	528.3	571.5	585.0	608.8
37.5°	886.4	895.4	847.6	746.1	614.8	528.3	525.3	586.5	635.7	650.6	677.5
40°	934.2	940.1	890.9	795.4	661.1	570.0	571.5	637.2	682.0	699.9	714.8
42.5°	1032.6	1035.6	968.5	847.6	699.9	613.3	614.8	674.5	725.2	747.6	774.5
45°	1120.7	1134.1	1068.5	929.7	752.1	650.6	653.6	735.7	792.4	823.7	856.6
47.5°	1246.0	1246.0	1192.3	1038.6	829.7	701.4	717.8	822.2	899.8	926.7	974.4
50°	1358.0	1359.4	1319.2	1156.5	916.2	771.5	801.3	931.2	1029.7	1061.0	1125.2
52.5°	1450.5	1452.0	1423.6	1292.3	1034.1	864.0	898.3	1075.9	1186.3	1225.1	1281.8
55°	1565.4	1557.9	1540.0	1428.1	1168.4	983.4	1034.1	1229.6	1344.5	1396.7	1465.4
57.5°	1687.7	1678.8	1686.2	1575.8	1322.1	1131.1	1183.4	1393.8	1553.4	1620.6	1699.7
60°	1754.9	1757.9	1814.6	1769.8	1508.7	1314.7	1372.9	1644.5	1810.1	1862.3	1880.2
62.5°	1787.7	1790.7	1887.7	1917.5	1729.5	1507.2	1589.3	1851.9	1971.3	2036.9	2023.5
65°	1778.8	1790.7	1945.9	2028.0	1914.6	1714.6	1802.6	2047.4	2181.7	2216.0	2111.5
67.5°	1619.1	1656.4	1841.4	2047.4	2011.6	1859.3	1945.9	2184.7	2248.8	2242.9	2022.0
70°	1371.4	1381.8	1604.2	1902.6	1983.2	1853.4	1959.3	2156.3	2168.2	2136.9	1823.5
72.5°	1055.0	1080.4	1281.8	1605.7	1786.2	1720.6	1810.1	1965.3	1892.2	1813.1	1471.4
75°	774.5	764.0	932.7	1247.5	1478.8	1487.8	1575.8	1666.8	1557.9	1493.7	1201.3
77.5°	525.3	550.6	671.5	923.7	1162.5	1243.0	1331.1	1343.0	1271.4	1219.2	919.2
80°	359.6	364.1	455.1	674.5	907.3	1020.7	1098.3	1125.2	1022.2	962.5	693.9
82.5°	205.9	210.4	288.0	485.0	711.8	843.1	922.2	914.8	796.9	737.2	482.0
85°	114.9	116.4	167.1	299.9	535.7	674.5	743.1	683.5	565.6	510.4	316.4
87.5°	68.6	71.6	100.0	192.5	364.1	522.3	556.6	476.0	365.6	325.3	208.9
90°	43.3	46.3	61.2	113.4	234.3	367.1	377.5	299.9	226.8	204.4	141.8
92.5°	28.4	29.8	40.3	70.1	144.7	231.3	241.7	180.6	140.3	125.3	97.0
95°	22.4	22.4	28.4	47.8	89.5	135.8	146.2	108.9	91.0	82.1	67.2
97.5°	17.9	17.9	22.4	34.3	61.2	85.1	88.0	71.6	61.2	59.7	50.7
100°	14.9	16.4	19.4	26.9	43.3	56.7	56.7	49.2	44.8	44.8	40.3
102.5°	13.4	13.4	16.4	22.4	34.3	43.3	41.8	37.3	34.3	34.3	32.8
105°	13.4	11.9	14.9	17.9	26.9	32.8	31.3	28.4	26.9	25.4	25.4
107.5°	11.9	10.4	11.9	14.9	22.4	26.9	25.4	22.4	20.9	19.4	20.9
110°	10.4	10.4	10.4	13.4	17.9	22.4	20.9	17.9	16.4	16.4	16.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	9.0	9.0	9.0	11.9	14.9	17.9	17.9	14.9	13.4	11.9	13.4
115°	9.0	9.0	9.0	10.4	13.4	16.4	14.9	11.9	10.4	10.4	11.9
117.5°	7.5	7.5	7.5	10.4	11.9	13.4	13.4	10.4	9.0	9.0	10.4
120°	7.5	7.5	7.5	9.0	11.9	11.9	11.9	9.0	9.0	9.0	10.4
122.5°	7.5	7.5	7.5	9.0	10.4	11.9	10.4	9.0	7.5	7.5	9.0
125°	7.5	7.5	7.5	9.0	10.4	10.4	9.0	7.5	7.5	7.5	9.0
127.5°	7.5	7.5	7.5	9.0	9.0	9.0	9.0	7.5	7.5	7.5	9.0
130°	7.5	7.5	7.5	7.5	9.0	9.0	7.5	7.5	7.5	7.5	7.5
132.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	6.0	7.5	7.5	7.5
135°	7.5	7.5	7.5	7.5	7.5	7.5	6.0	6.0	6.0	6.0	7.5
137.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.5
140°	6.0	6.0	6.0	6.0	6.0	6.0	4.5	4.5	4.5	4.5	6.0
142.5°	6.0	6.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
145°	4.5	4.5	4.5	4.5	4.5	4.5	3.0	3.0	3.0	4.5	4.5
147.5°	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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°	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2.5°	98.5	98.5	97.0	95.5	95.5	95.5	95.5	95.5	94.0	94.0	94.0
5°	100.0	98.5	97.0	95.5	94.0	92.5	91.0	91.0	89.5	89.5	89.5
7.5°	104.5	103.0	98.5	95.5	92.5	91.0	89.5	88.0	86.6	85.1	85.1
10°	111.9	108.9	103.0	98.5	94.0	91.0	88.0	86.6	85.1	85.1	83.6
12.5°	125.3	122.4	113.4	106.0	98.5	94.0	89.5	88.0	88.0	88.0	89.5
15°	147.7	143.3	131.3	120.9	108.9	100.0	97.0	98.5	100.0	101.5	101.5
17.5°	176.1	170.1	156.7	138.8	122.4	111.9	110.4	111.9	114.9	117.9	117.9
20°	208.9	201.5	180.6	159.7	138.8	129.8	125.3	128.3	132.8	138.8	137.3
22.5°	255.2	243.2	217.9	183.5	159.7	147.7	141.8	146.2	155.2	161.2	161.2
25°	307.4	292.5	259.7	213.4	180.6	162.7	159.7	167.1	183.5	192.5	192.5
27.5°	367.1	349.2	304.4	244.7	202.9	179.1	176.1	192.5	213.4	229.8	228.3
30°	437.2	416.3	358.1	277.6	223.8	192.5	195.5	217.9	246.2	265.6	265.6
32.5°	517.8	485.0	410.4	313.4	240.3	204.4	210.4	240.3	274.6	294.0	297.0
35°	593.9	555.1	453.6	340.2	253.7	214.9	222.3	261.1	301.4	325.3	325.3
37.5°	659.6	617.8	488.0	358.1	259.7	220.9	232.8	277.6	316.4	340.2	340.2
40°	690.9	641.7	498.4	361.1	261.1	223.8	238.8	285.0	322.3	341.7	340.2
42.5°	747.6	682.0	499.9	344.7	256.7	225.3	241.7	282.0	310.4	319.3	317.9
45°	823.7	738.7	507.4	329.8	246.2	222.3	238.8	271.6	288.0	289.5	286.5
47.5°	922.2	820.7	517.8	316.4	237.3	217.9	231.3	256.7	265.6	261.1	259.7
50°	1058.0	914.8	532.7	301.4	231.3	210.4	223.8	246.2	252.2	243.2	241.7
52.5°	1190.8	1008.8	538.7	286.5	225.3	205.9	219.4	241.7	243.2	228.3	226.8
55°	1352.0	1110.2	531.2	270.1	222.3	204.4	219.4	238.8	232.8	217.9	214.9
57.5°	1553.4	1240.1	529.8	255.2	216.4	204.4	220.9	235.8	231.3	220.9	219.4
60°	1678.8	1295.3	505.9	246.2	211.9	207.4	223.8	240.3	234.3	222.3	220.9
62.5°	1768.3	1319.2	470.1	235.8	208.9	207.4	228.3	241.7	232.8	223.8	222.3
65°	1793.7	1295.3	432.8	225.3	204.4	207.4	229.8	240.3	235.8	229.8	229.8
67.5°	1686.2	1187.8	379.0	216.4	198.5	202.9	226.8	241.7	238.8	235.8	234.3
70°	1490.8	1035.6	329.8	204.4	188.0	195.5	222.3	241.7	241.7	240.3	240.3
72.5°	1189.3	799.8	265.6	191.0	176.1	186.5	216.4	237.3	235.8	234.3	232.8
75°	953.6	631.2	225.3	173.1	164.1	174.6	207.4	228.3	225.3	225.3	223.8
77.5°	717.8	477.5	191.0	156.7	149.2	164.1	194.0	213.4	211.9	210.4	207.4
80°	519.3	353.7	162.7	141.8	137.3	150.7	177.6	194.0	194.0	194.0	192.5
82.5°	376.0	261.1	141.8	128.3	125.3	137.3	159.7	173.1	179.1	183.5	180.6
85°	247.7	183.5	125.3	116.4	116.4	126.8	144.7	156.7	165.6	170.1	168.6
87.5°	168.6	140.3	110.4	103.0	106.0	116.4	132.8	141.8	149.2	153.7	152.2
90°	119.4	108.9	94.0	88.0	91.0	104.5	119.4	126.8	129.8	131.3	129.8
92.5°	85.1	80.6	74.6	71.6	76.1	91.0	104.5	107.4	107.4	106.0	103.0
95°	64.2	61.2	59.7	56.7	62.7	76.1	86.6	86.6	86.6	82.1	82.1
97.5°	49.2	49.2	49.2	46.3	50.7	61.2	68.6	67.2	67.2	64.2	64.2
100°	40.3	40.3	40.3	38.8	41.8	49.2	52.2	52.2	53.7	52.2	52.2
102.5°	32.8	32.8	32.8	32.8	34.3	40.3	43.3	41.8	43.3	43.3	43.3
105°	26.9	26.9	28.4	26.9	29.8	34.3	34.3	34.3	35.8	32.8	34.3
107.5°	20.9	22.4	22.4	22.4	25.4	28.4	29.8	28.4	28.4	26.9	26.9
110°	17.9	19.4	19.4	19.4	20.9	23.9	25.4	23.9	22.4	22.4	22.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.9	16.4	16.4	16.4	17.9	20.9	20.9	19.4	17.9	17.9	17.9
115°	13.4	13.4	14.9	14.9	16.4	17.9	17.9	16.4	14.9	16.4	16.4
117.5°	11.9	11.9	13.4	13.4	13.4	14.9	14.9	13.4	13.4	14.9	14.9
120°	10.4	11.9	11.9	11.9	11.9	13.4	13.4	11.9	11.9	13.4	13.4
122.5°	10.4	10.4	10.4	10.4	11.9	11.9	11.9	10.4	10.4	11.9	11.9
125°	9.0	10.4	10.4	10.4	10.4	10.4	10.4	9.0	10.4	10.4	11.9
127.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	10.4	10.4
130°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	7.5	9.0	9.0	9.0
132.5°	9.0	9.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	9.0	9.0
135°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	9.0	9.0
137.5°	7.5	7.5	6.0	6.0	6.0	6.0	6.0	6.0	7.5	7.5	7.5
140°	6.0	6.0	6.0	4.5	4.5	4.5	6.0	6.0	6.0	6.0	6.0
142.5°	6.0	6.0	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0	6.0
145°	4.5	4.5	4.5	3.0	3.0	4.5	4.5	4.5	4.5	4.5	4.5
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5	4.5
150°	3.0	3.0	3.0	3.0	1.5	3.0	3.0	3.0	3.0	3.0	3.0
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)