

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: P241065

Luminaire Tested: **UTLD-AF24-40-D-U-SL3-CL-7030**

Issue Date: 5/28/2020

Test Information

Test Method: LM-79-08
Report Number: P241065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1710-388-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/28/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-AF24-40-D-U-SL3-CL-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3863.4 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G1

Input Watts (W): 40
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

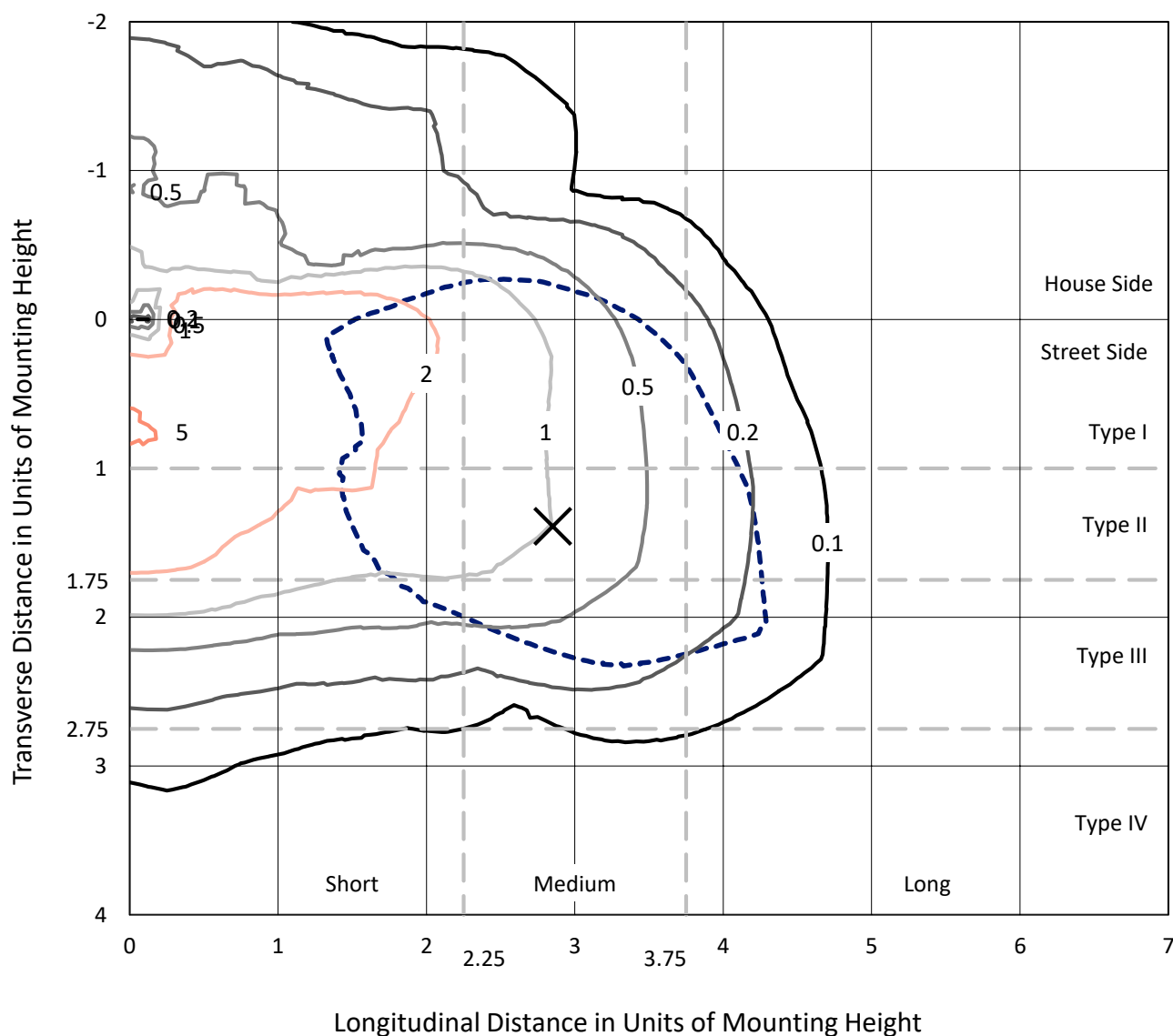


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

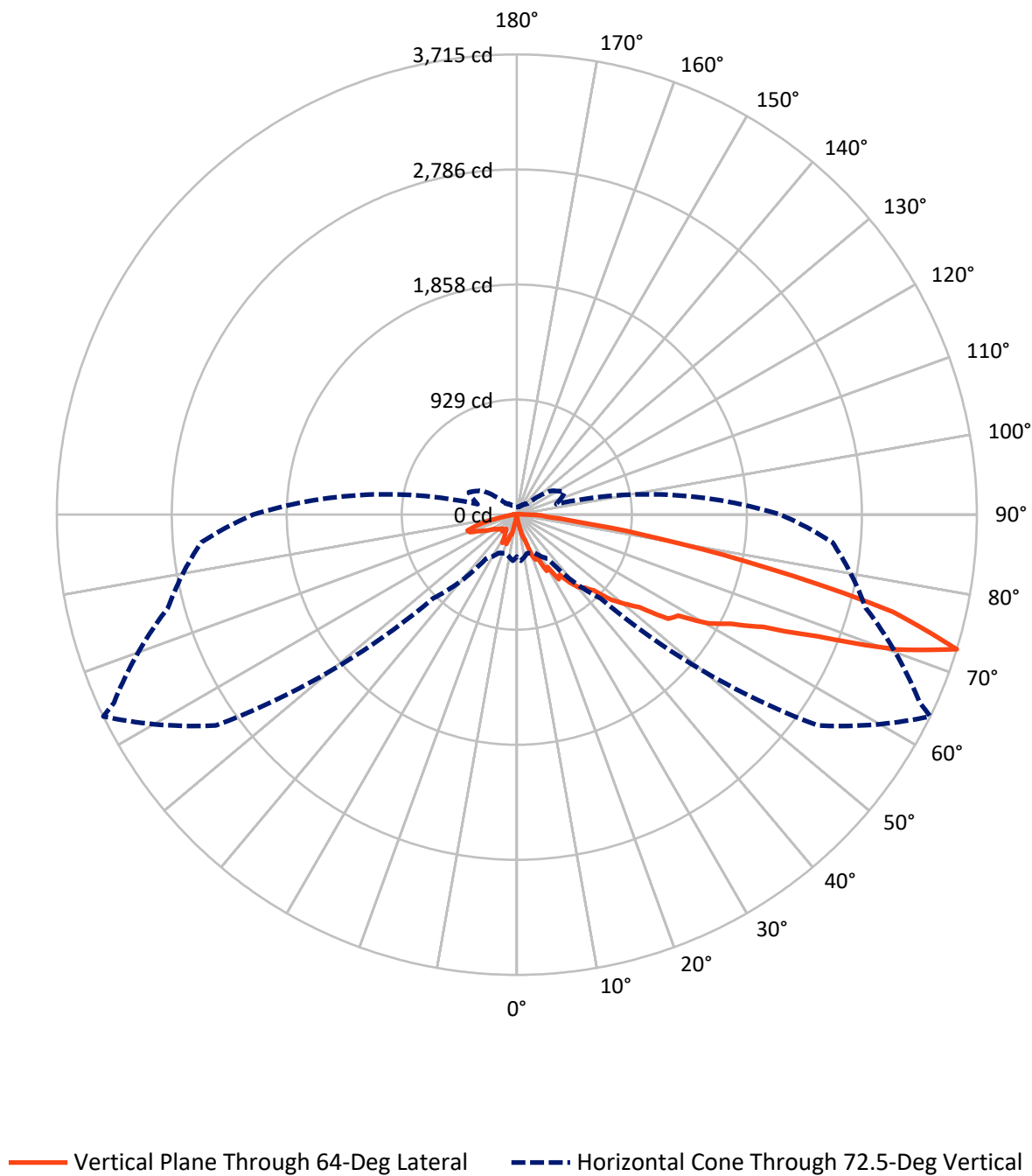


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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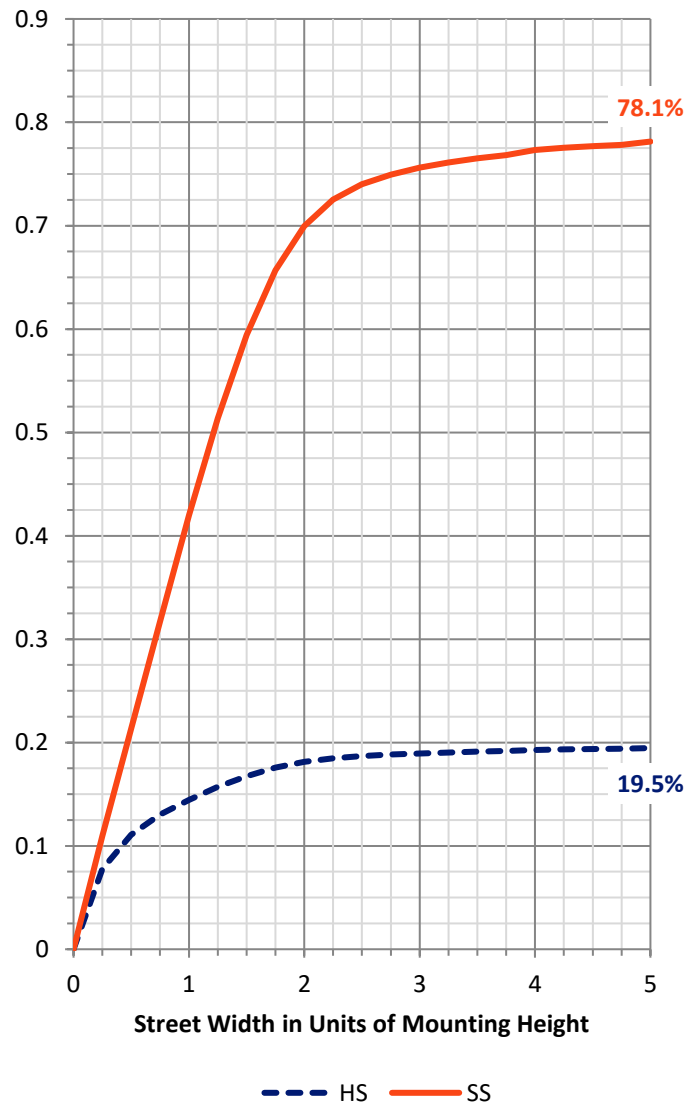
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	764.8	23.8	788.6
	% Fixture	19.8	0.6	20.4
Street Side	Lumens	3050.2	24.6	3074.8
	% Fixture	79.0	0.6	79.6
Total	Lumens	3815.0	48.4	3863.4
	% Fixture	98.7	1.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	51.6	1.3
20°-30°	151.8	3.9
30°-40°	301.1	7.8
40°-50°	519.5	13.4
50°-60°	839.8	21.7
60°-70°	1064.3	27.5
70°-80°	762.6	19.7
80°-90°	119.6	3.1
90°-100°	24.1	0.6
100°-110°	10.7	0.3
110°-120°	5.5	0.1
120°-130°	4.1	0.1
130°-140°	2.5	0.1
140°-150°	1.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3815.0	98.7
0°-180°	3863.4	100.0

Coefficient of Utilization



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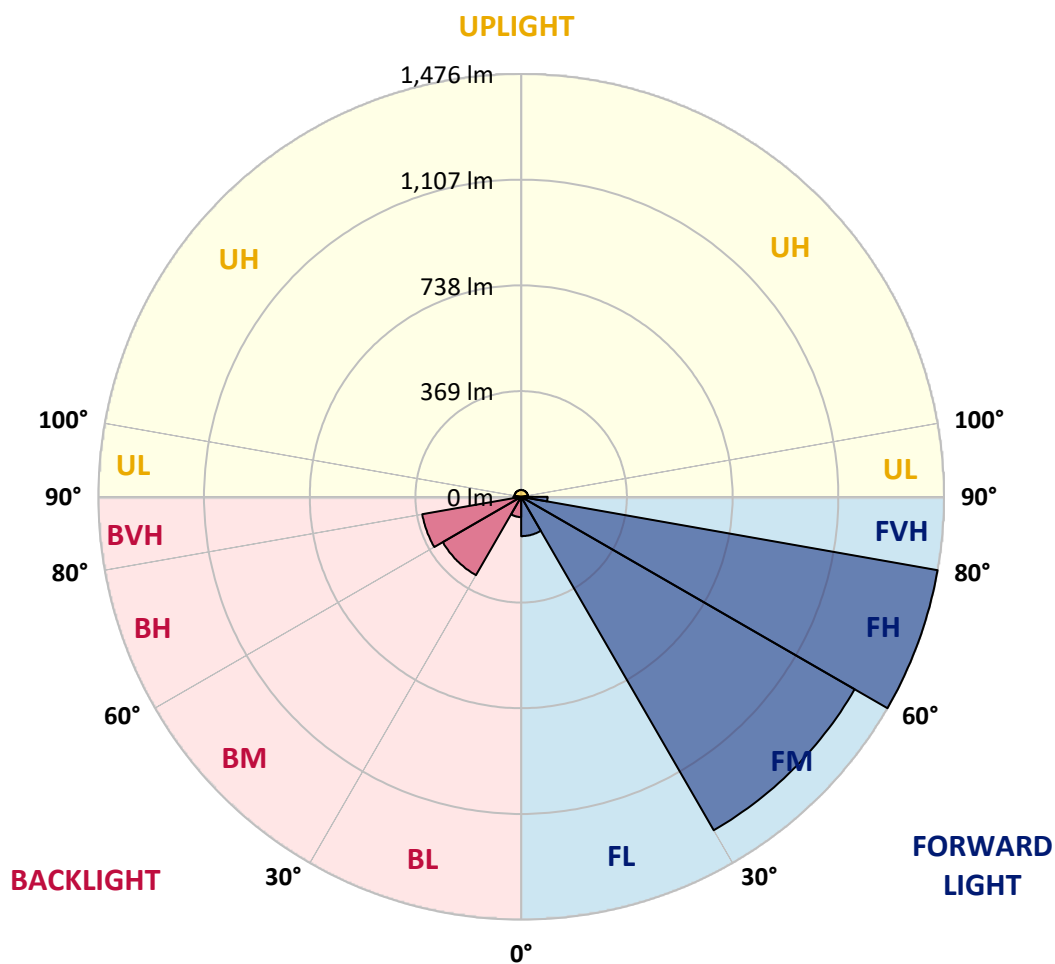
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	137.4	3.6			
FM	(30°-60°)	1344.4	34.8			
FH	(60°-80°)	1476.4	38.2			G1/1800
FVH	(80°-90°)	92.0	2.4			G1/100
BL	(0°-30°)	70.8	1.8	B0/110		
BM	(30°-60°)	315.9	8.2	B1/1000		
BH	(60°-80°)	350.5	9.1	B1/500		G1/500
BVH	(80°-90°)	27.6	0.7			G1/100
UL	(90°-100°)	24.1	0.6		U2/50	
UH	(100°-180°)	23.8	0.6		U2/50	

BUG Rating: B1-U2-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
2.5°	26.9	23.9	24.9	22.0	18.6	15.2	12.7	11.3	11.3	10.7	9.9
5°	93.4	95.4	107.1	90.0	81.7	106.6	29.8	17.2	16.2	11.3	9.3
7.5°	124.8	130.6	93.4	77.8	72.8	117.5	87.5	48.0	39.7	14.6	10.3
10°	236.2	220.1	148.7	162.4	151.1	96.3	64.1	65.5	60.2	23.9	16.6
12.5°	211.3	213.7	218.6	198.7	204.5	151.7	77.8	127.8	136.5	153.6	144.3
15°	246.5	236.2	198.7	216.3	206.0	239.8	201.6	187.8	206.4	212.3	176.6
17.5°	334.6	327.2	380.1	259.3	188.4	269.6	239.8	219.6	208.9	232.8	281.3
20°	307.7	308.2	330.2	293.1	304.3	248.0	241.1	354.6	425.6	403.6	392.3
22.5°	463.3	449.0	373.2	291.0	321.3	284.2	339.0	395.7	375.7	366.3	395.7
25°	450.0	455.4	432.8	437.4	321.9	380.1	353.1	377.6	401.6	576.3	649.6
27.5°	553.3	523.0	497.0	453.0	443.1	357.6	341.4	513.1	526.8	577.7	609.0
30°	727.8	712.7	665.3	517.1	462.7	384.5	467.2	491.1	500.0	679.9	841.4
32.5°	924.0	868.3	731.3	676.6	503.3	474.5	439.8	621.2	611.0	753.8	850.1
35°	1068.3	1035.1	906.0	735.8	605.1	507.3	591.8	597.3	649.6	789.1	858.0
37.5°	1038.0	1047.2	993.9	878.0	665.7	548.4	640.4	695.6	700.5	854.6	909.4
40°	1116.7	1122.6	1104.1	974.4	768.0	631.0	719.6	771.4	730.3	935.3	972.0
42.5°	1162.7	1172.1	1207.8	1114.3	866.3	721.5	843.8	807.1	771.0	1004.7	1105.4
45°	1263.0	1258.1	1273.8	1162.7	1012.1	908.0	885.9	874.6	888.3	1129.5	1234.2
47.5°	1402.9	1422.4	1345.2	1186.2	1121.6	953.9	1003.8	1025.3	1077.2	1290.9	1364.7
50°	1609.8	1585.0	1492.5	1290.5	1229.7	1014.6	1229.7	1131.0	1104.1	1438.2	1560.0
52.5°	1693.9	1677.7	1546.8	1334.5	1297.2	1129.5	1268.0	1243.0	1233.6	1641.6	1777.1
55°	1727.3	1715.5	1661.2	1342.2	1358.4	1301.2	1454.2	1483.2	1467.5	1770.8	1996.2
57.5°	1639.2	1658.8	1662.7	1374.1	1399.9	1321.3	1747.3	1538.5	1650.5	1932.7	2166.5
60°	1519.8	1520.8	1572.7	1370.1	1438.6	1449.5	1810.9	1782.6	1887.2	2018.3	2213.5
62.5°	1224.9	1259.6	1345.2	1342.8	1492.5	1615.7	2123.5	1940.6	1981.6	2105.3	2360.8
65°	812.5	831.1	934.8	1113.4	1396.6	1748.2	2380.3	2186.1	2244.3	2271.2	2575.0
67.5°	484.8	507.7	522.5	711.3	1166.2	1774.7	2913.0	2621.9	2569.1	2522.1	2789.7
70°	405.1	420.2	377.6	425.6	712.7	1611.3	3169.8	3259.7	3088.1	2861.6	2835.2
72.5°	339.5	372.8	321.9	340.5	433.9	956.3	2967.3	3715.3	3590.5	2918.4	2557.9
75°	252.0	298.4	268.0	305.7	400.7	491.1	2238.9	3139.4	3100.3	2529.5	1898.5
77.5°	196.6	205.0	167.8	230.9	384.9	406.0	1343.3	2069.7	2035.9	1612.7	880.5
80°	138.0	141.4	132.5	120.3	297.4	380.6	680.4	1147.5	1076.2	501.0	292.5
82.5°	87.1	93.0	103.7	81.7	144.3	355.1	375.2	505.4	450.0	170.2	145.4
85°	52.3	57.3	64.1	57.3	67.5	271.5	290.5	259.7	237.2	103.7	92.0
87.5°	30.4	31.8	38.7	39.7	50.4	158.0	231.8	193.2	169.8	69.0	59.6
90°	21.1	19.5	19.5	20.5	25.9	69.0	113.5	67.5	68.0	36.2	31.3
92.5°	16.2	16.2	17.6	17.6	24.9	60.6	52.3	36.2	34.2	30.4	24.9
95°	12.2	13.2	13.2	14.2	17.2	18.6	25.9	26.9	26.9	27.5	22.0
97.5°	10.3	11.3	11.3	11.7	13.6	14.2	18.1	23.5	23.5	23.0	18.1
100°	9.9	10.3	9.9	9.9	11.3	10.7	14.6	20.1	21.1	20.1	15.7
102.5°	9.3	9.9	8.8	7.8	9.9	7.8	12.2	18.1	18.6	14.6	12.2
105°	9.3	9.3	7.8	6.3	7.8	6.3	10.3	12.7	12.7	10.3	11.7
107.5°	9.3	8.8	6.9	5.4	5.9	5.4	8.3	8.3	8.3	7.8	11.3
110°	8.3	7.8	6.3	4.9	4.4	4.4	5.9	5.9	5.9	6.9	11.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	7.3	6.9	5.4	4.0	3.4	3.4	4.0	4.4	4.4	6.3	10.7
115°	6.3	6.3	4.9	4.0	2.9	2.9	3.4	4.0	4.0	5.9	10.3
117.5°	6.3	6.3	4.4	3.4	2.4	2.4	2.9	3.4	3.4	5.9	10.7
120°	6.3	6.3	4.4	2.9	2.4	1.9	2.4	2.9	2.9	6.3	11.3
122.5°	5.9	5.9	4.4	2.9	1.9	1.9	1.9	2.9	2.9	5.9	10.3
125°	5.9	5.9	4.0	2.9	1.9	1.9	1.9	2.4	2.9	6.3	10.3
127.5°	5.4	5.4	4.4	2.9	1.9	1.4	1.9	2.4	2.4	5.9	9.9
130°	5.4	5.4	4.0	2.4	1.4	1.4	1.4	1.9	2.4	5.4	8.8
132.5°	4.9	4.9	3.4	2.4	1.4	1.0	1.4	1.9	1.9	4.9	7.8
135°	4.9	4.9	4.0	2.4	1.4	1.0	1.4	1.9	1.9	4.4	6.9
137.5°	4.4	4.4	3.4	2.4	1.4	1.0	1.0	1.4	1.9	4.4	6.3
140°	4.4	4.4	4.0	2.9	1.4	1.0	1.0	1.4	1.4	3.4	4.9
142.5°	4.9	4.9	4.0	2.4	1.4	1.0	1.0	1.0	1.4	2.4	4.0
145°	4.4	4.4	3.4	2.4	1.4	0.4	0.4	1.0	1.4	2.4	3.4
147.5°	4.4	4.4	4.0	2.4	1.0	0.4	0.4	1.0	1.0	1.9	2.9
150°	4.0	4.0	2.9	1.4	0.4	0.0	0.4	1.0	1.0	1.4	2.4
152.5°	2.9	2.9	1.9	1.0	0.0	0.0	0.0	0.4	0.4	1.0	1.4
155°	1.4	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0
157.5°	0.4	0.4	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°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
2.5°	9.9	9.9	9.9	9.9	9.3	9.3	8.8	8.8	8.8	8.8	8.8
5°	9.3	9.3	9.3	8.8	8.3	7.8	8.3	7.8	7.8	7.8	7.8
7.5°	9.9	9.9	8.8	8.3	8.3	8.3	10.7	65.0	143.7	123.3	128.2
10°	18.1	17.2	14.6	12.2	11.3	64.6	123.3	113.0	86.1	71.9	73.9
12.5°	179.5	161.3	104.3	72.4	83.1	85.5	77.2	84.6	138.0	126.2	126.7
15°	179.5	183.9	150.7	169.8	146.7	68.5	132.1	157.6	153.1	140.8	147.7
17.5°	303.3	301.3	187.8	172.6	141.8	143.3	124.2	108.0	100.3	98.8	100.3
20°	449.5	374.6	358.1	260.7	159.5	146.3	102.7	87.1	111.0	137.0	140.4
22.5°	395.7	395.7	321.3	232.8	197.1	125.2	112.0	111.0	133.1	131.5	138.0
25°	668.2	580.6	416.3	224.5	172.2	127.2	113.5	103.2	116.0	133.6	132.1
27.5°	616.3	571.9	411.4	270.0	135.1	138.4	104.7	101.7	130.6	140.4	141.4
30°	777.8	716.6	415.8	203.0	136.0	106.6	96.8	103.7	109.0	118.3	119.3
32.5°	805.7	729.3	399.2	182.9	143.3	102.7	98.4	97.8	111.0	127.8	129.2
35°	788.6	700.1	376.2	154.0	143.7	103.7	100.7	111.6	101.7	118.9	121.3
37.5°	906.0	714.7	339.5	143.7	132.1	106.6	132.1	106.6	106.2	111.6	112.5
40°	904.4	747.5	297.9	175.6	132.1	175.6	138.0	111.0	95.4	104.7	105.2
42.5°	977.4	766.0	261.2	181.1	142.4	203.4	128.6	108.0	113.5	119.3	125.2
45°	1061.5	824.7	244.6	162.9	160.4	157.6	134.1	140.8	102.7	164.9	171.6
47.5°	1176.4	900.1	222.2	159.5	217.7	158.5	255.3	131.1	113.0	195.1	199.1
50°	1348.1	1032.6	224.1	175.2	199.6	169.8	171.6	142.4	152.6	203.0	204.0
52.5°	1531.0	1143.6	210.9	193.2	196.1	208.3	182.9	212.8	150.1	195.1	195.1
55°	1693.0	1307.5	217.2	203.4	205.0	181.5	257.8	157.0	149.6	196.1	201.0
57.5°	1904.3	1482.6	260.7	212.8	210.4	193.7	199.1	194.7	176.1	199.6	202.5
60°	2016.4	1610.4	326.8	239.2	220.1	223.6	235.8	187.4	159.9	233.4	242.7
62.5°	2193.9	1794.2	413.9	271.0	279.2	228.9	201.0	204.0	170.2	185.8	187.8
65°	2398.9	1985.6	456.9	302.3	300.8	254.3	228.0	158.5	110.6	102.2	101.7
67.5°	2553.0	2059.4	418.3	338.0	375.2	244.0	156.6	112.5	85.1	80.2	81.7
70°	2453.6	1890.6	358.1	405.6	379.5	189.3	135.1	89.5	72.8	68.5	70.9
72.5°	2128.8	1527.7	328.8	428.0	333.1	127.8	100.7	78.7	65.5	61.1	62.2
75°	1504.7	981.8	337.5	362.5	236.8	92.5	87.1	65.5	58.2	52.3	52.3
77.5°	660.9	420.6	264.6	261.2	151.7	73.4	73.9	54.3	50.4	45.1	45.1
80°	266.1	222.6	155.5	151.1	101.3	57.7	58.7	45.1	45.5	38.1	35.7
82.5°	140.8	127.2	86.6	81.2	72.4	44.5	41.6	38.7	38.1	31.3	27.5
85°	92.5	83.7	56.7	52.9	53.7	32.8	34.8	36.7	33.8	25.9	18.1
87.5°	57.3	56.7	40.1	38.1	40.1	23.5	28.4	29.8	28.4	19.5	11.7
90°	26.9	29.4	26.9	26.4	26.4	11.3	22.0	23.5	23.0	15.7	9.3
92.5°	21.1	23.9	24.9	25.4	25.4	11.7	23.0	24.5	23.5	16.2	10.3
95°	18.1	21.1	24.5	24.5	23.9	9.3	21.6	23.9	22.5	15.2	9.9
97.5°	15.2	17.6	21.1	21.1	23.0	7.8	20.1	23.0	22.5	16.2	10.3
100°	14.2	16.6	18.6	19.1	21.1	7.3	18.1	20.5	20.1	13.2	10.7
102.5°	13.2	14.2	14.6	15.2	15.7	6.9	14.2	15.7	15.2	9.9	9.9
105°	12.2	12.2	10.7	10.3	10.3	6.3	8.8	10.7	8.8	7.8	8.8
107.5°	12.2	11.7	8.8	7.8	7.8	5.9	6.9	6.9	5.9	7.8	8.3
110°	12.2	11.3	7.8	6.9	6.3	5.4	5.4	4.9	4.9	7.8	8.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	10.7	6.9	5.9	5.9	4.9	4.4	4.0	4.4	7.8	8.8
115°	11.3	10.3	6.3	5.9	5.4	4.4	4.0	2.9	4.4	8.3	9.3
117.5°	11.3	10.3	6.3	5.4	4.9	4.0	3.4	2.9	4.4	8.3	9.3
120°	11.7	10.3	6.3	4.9	4.4	3.4	2.9	2.9	4.4	8.3	9.3
122.5°	11.3	9.9	5.9	4.4	4.0	3.4	2.9	2.9	4.4	8.3	8.8
125°	10.7	9.9	5.9	4.0	3.4	2.9	2.4	2.4	4.9	8.3	8.8
127.5°	10.3	9.3	5.4	3.4	2.9	2.9	2.4	2.4	4.9	7.8	8.3
130°	9.3	8.3	5.4	3.4	2.4	2.4	1.9	1.9	4.9	7.8	8.3
132.5°	8.3	7.8	4.9	2.9	1.9	1.9	1.9	1.9	4.4	6.9	7.3
135°	7.3	6.3	4.4	2.4	1.9	1.4	1.4	1.4	4.0	5.9	6.3
137.5°	6.3	5.9	4.0	2.4	1.4	1.4	1.0	1.0	3.4	5.4	5.9
140°	5.4	4.9	3.4	1.9	1.4	1.4	1.0	1.0	2.4	4.0	4.4
142.5°	4.0	4.0	2.9	1.9	1.4	1.0	1.0	1.0	2.4	3.4	4.0
145°	3.4	3.4	2.9	1.9	1.4	1.0	0.4	0.4	1.4	2.4	2.4
147.5°	2.9	2.9	2.4	1.9	1.0	0.4	0.4	0.4	1.0	1.4	1.4
150°	2.4	2.4	1.9	1.4	1.0	0.4	0.0	0.0	0.4	1.0	1.0
152.5°	1.4	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	1.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.4	0.4	0.4	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)