

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: P560304

Luminaire Tested: **SDL-PA1-30-830-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-830-U-T4W-A
Description: Springdale
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2787 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 30.1
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

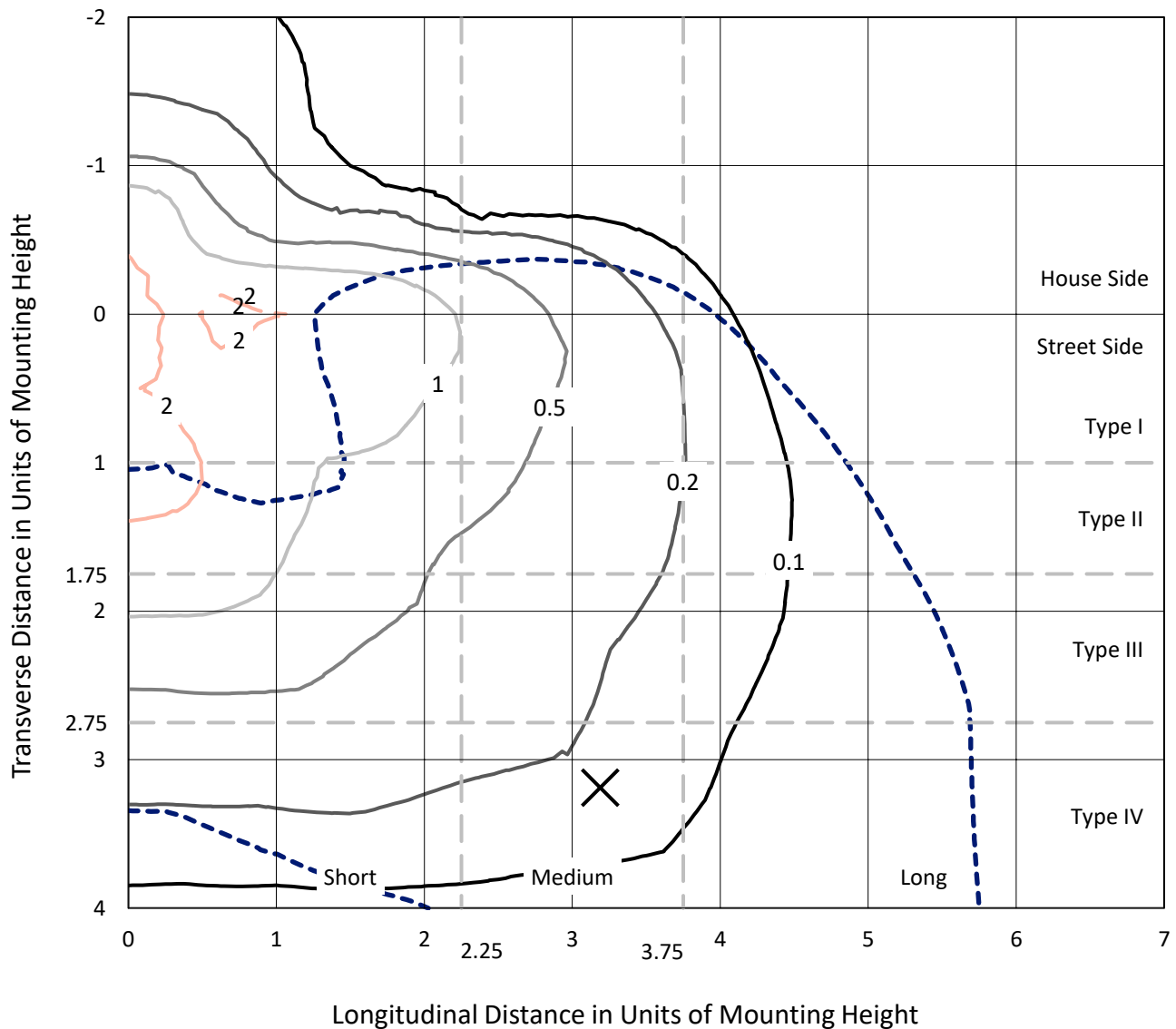


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

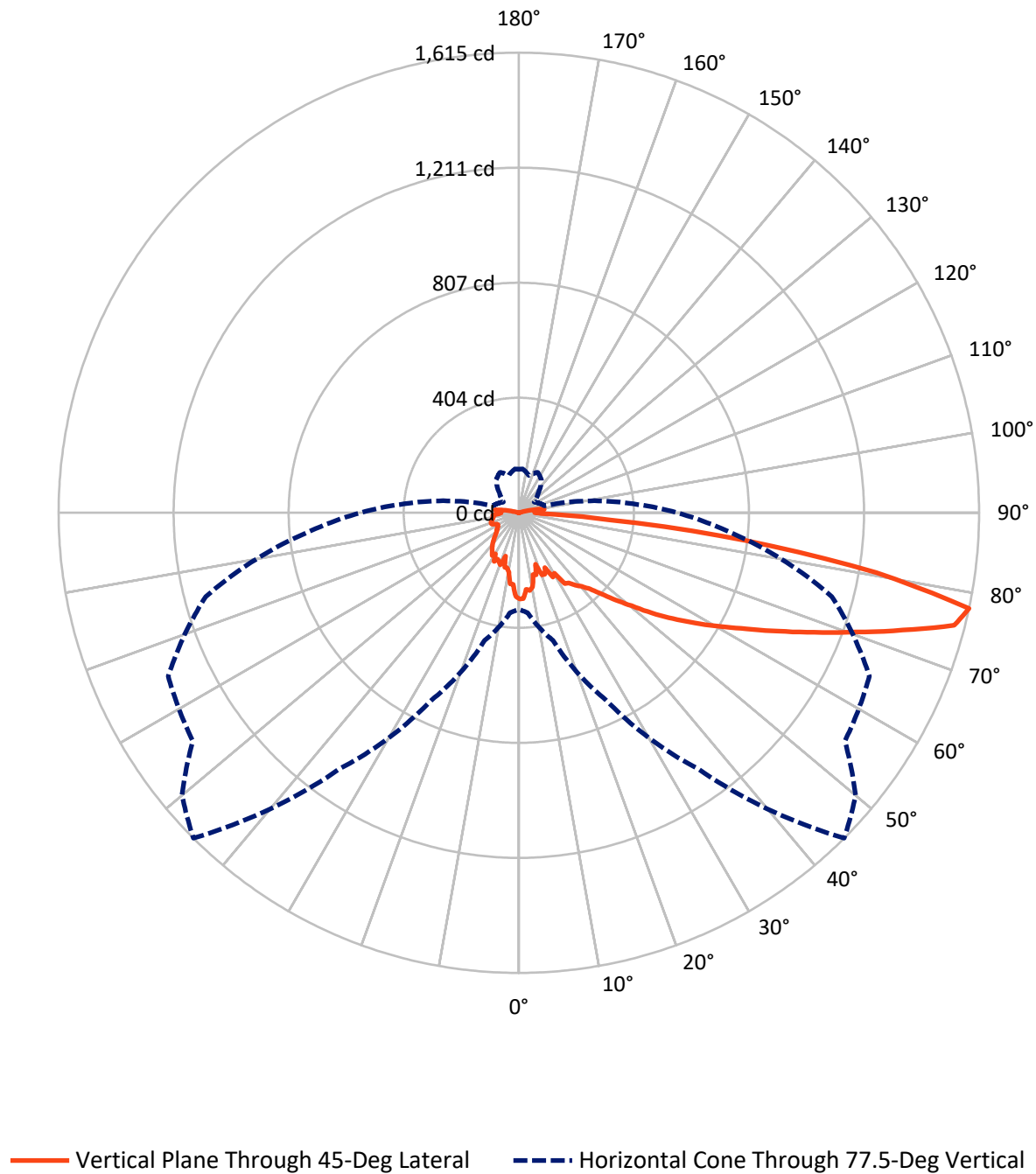


Based on 10 foot mounting height. Maximum calculated value = 3 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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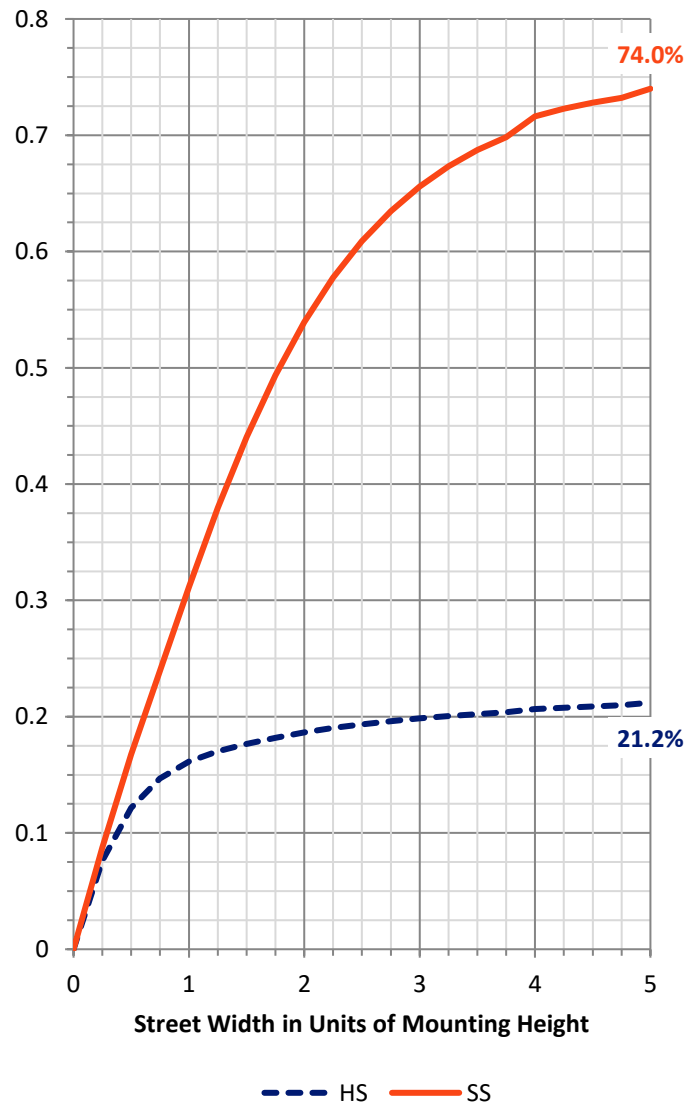
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	623.8	46.5	670.3
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	2079.0	37.7	2116.7
	% Fixture	74.6	1.4	75.9
Total	Lumens	2702.8	84.2	2787.0
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.2	0.9
10°-20°	62.3	2.2
20°-30°	107.8	3.9
30°-40°	191.0	6.9
40°-50°	296.0	10.6
50°-60°	476.6	17.1
60°-70°	700.9	25.1
70°-80°	674.8	24.2
80°-90°	168.3	6.0
90°-100°	62.8	2.3
100°-110°	13.9	0.5
110°-120°	3.0	0.1
120°-130°	2.5	0.1
130°-140°	1.1	0.0
140°-150°	0.5	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2702.8	97.0
0°-180°	2787.0	100.0



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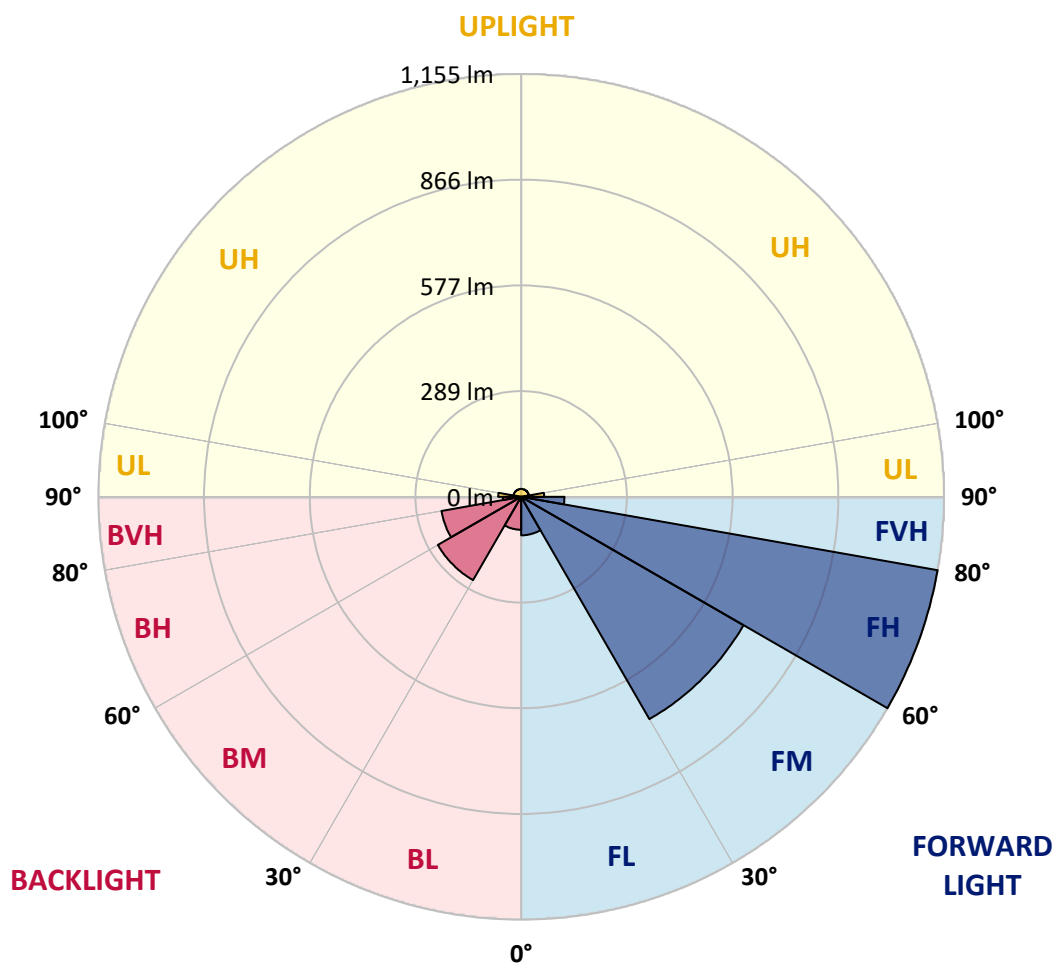
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	105.2	3.8			
FM	(30°-60°)	701.0	25.2			
FH	(60°-80°)	1154.7	41.4			G1/1800
FVH	(80°-90°)	118.2	4.2			G2/225
BL	(0°-30°)	90.0	3.2	B0/110		
BM	(30°-60°)	262.6	9.4	B1/1000		
BH	(60°-80°)	221.0	7.9	B1/500		G1/500
BVH	(80°-90°)	50.1	1.8			G1/100
UL	(90°-100°)	62.8	2.3		U3/500	
UH	(100°-180°)	21.4	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6
2.5°	275.2	301.5	297.1	300.4	300.4	301.5	302.6	302.6	303.7	302.6	302.6
5°	280.6	279.5	277.3	275.2	273.0	269.7	269.7	269.7	296.0	298.2	296.0
7.5°	262.0	285.0	282.8	278.4	278.4	275.2	270.8	266.4	258.7	256.5	259.8
10°	296.0	294.9	291.6	285.0	260.9	265.3	237.9	214.9	206.1	211.6	225.8
12.5°	263.1	281.7	289.4	289.4	258.7	222.5	198.4	211.6	203.9	182.0	198.4
15°	310.2	308.0	299.3	285.0	226.9	225.8	212.7	186.4	189.6	206.1	221.4
17.5°	265.3	265.3	297.1	271.9	233.5	189.6	188.5	209.4	191.8	183.1	191.8
20°	320.1	319.0	309.1	225.8	235.7	232.4	191.8	213.8	183.1	210.5	230.2
22.5°	271.9	269.7	285.0	270.8	224.7	234.6	179.8	202.8	218.1	192.9	178.7
25°	320.1	322.3	317.9	241.2	255.4	212.7	217.1	231.3	200.6	244.5	254.3
27.5°	281.7	281.7	269.7	269.7	236.8	255.4	203.9	217.1	239.0	264.2	310.2
30°	345.3	346.4	338.7	259.8	262.0	245.6	236.8	252.1	287.2	343.1	363.9
32.5°	422.0	422.0	362.8	310.2	263.1	296.0	249.9	275.2	325.6	354.1	381.5
35°	470.3	464.8	438.5	348.6	283.9	302.6	282.8	292.7	337.6	379.3	399.0
37.5°	539.3	537.1	510.8	382.6	304.7	322.3	293.8	304.7	359.6	397.9	420.9
40°	634.7	623.7	600.7	441.8	330.0	339.8	306.9	320.1	385.9	422.0	449.4
42.5°	710.3	712.5	696.1	511.9	371.6	365.0	330.0	339.8	414.4	459.3	490.0
45°	780.5	778.3	781.6	596.3	423.1	405.6	370.5	371.6	450.5	505.4	547.0
47.5°	828.7	827.6	835.3	675.3	488.9	457.1	415.5	411.1	492.2	584.3	624.8
50°	886.8	883.6	879.2	759.7	563.5	513.0	474.7	459.3	545.9	673.1	723.5
52.5°	958.1	950.4	936.2	825.5	645.7	584.3	541.5	520.7	618.3	772.8	837.5
55°	1026.1	1015.1	1003.0	898.9	721.3	655.5	609.5	597.4	712.5	875.9	959.2
57.5°	1092.9	1087.4	1077.6	996.5	817.8	730.1	678.6	676.4	822.2	975.6	1089.6
60°	1155.4	1146.6	1159.8	1101.7	907.7	809.0	754.2	770.6	942.7	1075.4	1234.3
62.5°	1193.8	1190.5	1219.0	1198.2	991.0	896.7	840.8	869.3	1058.9	1173.0	1362.6
65°	1136.8	1145.5	1258.5	1258.5	1087.4	1000.8	946.0	963.6	1168.6	1271.6	1479.9
67.5°	1032.6	1044.7	1198.2	1292.4	1174.0	1118.1	1061.1	1071.0	1266.1	1351.6	1575.3
70°	943.8	952.6	1095.1	1294.6	1228.9	1254.1	1171.9	1163.1	1341.8	1418.5	1610.3
72.5°	866.0	878.1	995.4	1281.5	1282.6	1408.6	1303.4	1250.8	1410.8	1443.7	1498.5
75°	686.2	680.8	813.4	1126.9	1300.1	1577.5	1458.0	1348.3	1444.8	1357.1	1175.1
77.5°	337.6	351.9	463.7	725.7	1097.3	1614.7	1542.4	1396.6	1357.1	1136.8	733.4
80°	99.8	103.0	129.4	259.8	630.3	1271.6	1273.8	1155.4	1020.6	664.3	331.1
82.5°	55.9	57.0	74.5	112.9	258.7	805.7	838.6	693.9	451.6	245.6	165.5
85°	29.6	30.7	38.4	59.2	131.5	321.2	340.9	265.3	218.1	160.0	121.7
87.5°	14.3	14.3	13.2	19.7	48.2	77.8	86.6	98.7	87.7	82.2	100.9
90°	12.1	12.1	9.9	11.0	26.3	55.9	68.0	75.6	69.1	75.6	110.7
92.5°	13.2	13.2	9.9	11.0	28.5	62.5	74.5	84.4	73.4	81.1	122.8
95°	12.1	13.2	8.8	9.9	28.5	76.7	89.9	92.1	75.6	88.8	131.5
97.5°	9.9	9.9	6.6	7.7	25.2	89.9	98.7	95.4	66.9	68.0	105.2
100°	7.7	7.7	4.4	6.6	17.5	72.4	84.4	80.0	43.8	11.0	26.3
102.5°	6.6	6.6	3.3	5.5	7.7	35.1	44.9	43.8	26.3	6.6	5.5
105°	6.6	6.6	3.3	4.4	4.4	9.9	15.3	19.7	11.0	3.3	5.5
107.5°	6.6	6.6	3.3	2.2	2.2	4.4	5.5	5.5	5.5	3.3	6.6
110°	7.7	7.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	6.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	6.6	6.6	2.2	2.2	1.1	2.2	2.2	2.2	2.2	3.3	6.6
115°	5.5	5.5	1.1	2.2	1.1	1.1	2.2	1.1	2.2	2.2	5.5
117.5°	5.5	4.4	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.3	6.6
120°	5.5	5.5	2.2	1.1	1.1	1.1	1.1	1.1	2.2	4.4	7.7
122.5°	5.5	5.5	2.2	1.1	0.0	1.1	1.1	1.1	2.2	4.4	8.8
125°	6.6	5.5	2.2	1.1	0.0	0.0	1.1	1.1	1.1	4.4	7.7
127.5°	5.5	4.4	2.2	1.1	0.0	0.0	1.1	1.1	1.1	3.3	6.6
130°	5.5	4.4	2.2	0.0	0.0	0.0	1.1	1.1	1.1	3.3	5.5
132.5°	4.4	3.3	2.2	0.0	0.0	0.0	1.1	1.1	1.1	2.2	4.4
135°	3.3	3.3	1.1	0.0	1.1	0.0	1.1	1.1	1.1	1.1	3.3
137.5°	2.2	2.2	1.1	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
140°	1.1	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
142.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1
145°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	1.1	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	3.3	3.3	3.3	2.2	1.1	1.1	1.1	2.2	1.1	1.1	1.1
152.5°	3.3	3.3	3.3	2.2	0.0	0.0	1.1	1.1	2.2	1.1	1.1
155°	2.2	2.2	2.2	0.0	0.0	0.0	1.1	1.1	1.1	2.2	2.2
157.5°	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
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°	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6
2.5°	301.5	300.4	299.3	298.2	296.0	293.8	288.3	265.3	265.3	266.4	266.4
5°	296.0	294.9	291.6	270.8	258.7	252.1	254.3	254.3	254.3	255.4	257.6
7.5°	258.7	257.6	242.3	241.2	245.6	251.0	254.3	248.8	237.9	237.9	237.9
10°	225.8	224.7	197.3	191.8	197.3	210.5	244.5	251.0	255.4	256.5	258.7
12.5°	197.3	194.0	169.9	187.5	175.4	197.3	228.0	253.2	230.2	225.8	225.8
15°	219.2	218.1	189.6	164.4	165.5	197.3	180.9	237.9	251.0	253.2	254.3
17.5°	191.8	189.6	174.3	173.2	183.1	159.0	200.6	226.9	216.0	219.2	219.2
20°	229.1	228.0	199.5	165.5	163.3	194.0	177.6	206.1	245.6	253.2	254.3
22.5°	177.6	177.6	183.1	194.0	176.5	185.3	189.6	218.1	210.5	214.9	228.0
25°	252.1	249.9	221.4	174.3	189.6	178.7	198.4	207.2	243.4	252.1	254.3
27.5°	305.8	300.4	237.9	196.2	171.0	191.8	190.7	200.6	206.1	240.1	244.5
30°	360.7	355.2	305.8	220.3	177.6	165.5	182.0	214.9	247.7	253.2	257.6
32.5°	380.4	376.0	312.4	233.5	178.7	176.5	180.9	214.9	271.9	293.8	298.2
35°	401.2	395.7	319.0	228.0	174.3	164.4	171.0	221.4	270.8	285.0	288.3
37.5°	426.4	416.6	326.7	217.1	162.2	155.7	163.3	201.7	257.6	271.9	274.1
40°	458.2	448.4	336.5	205.0	150.2	144.7	149.1	187.5	225.8	237.9	243.4
42.5°	506.5	487.8	340.9	195.1	139.2	133.7	138.1	168.8	198.4	206.1	209.4
45°	568.9	536.1	347.5	182.0	129.4	121.7	128.3	154.6	168.8	168.8	168.8
47.5°	645.7	593.1	350.8	171.0	117.3	110.7	117.3	140.3	148.0	143.6	142.5
50°	739.9	665.4	367.2	157.9	107.4	101.9	112.9	123.9	127.2	129.4	129.4
52.5°	850.7	748.7	377.1	144.7	100.9	97.6	108.5	116.2	117.3	119.5	119.5
55°	971.2	839.7	382.6	132.6	96.5	92.1	104.1	111.8	111.8	114.0	114.0
57.5°	1096.2	944.9	396.8	123.9	92.1	87.7	99.8	112.9	108.5	112.9	114.0
60°	1227.8	1042.5	384.8	115.1	85.5	84.4	100.9	120.6	119.5	125.0	126.1
62.5°	1351.6	1120.3	331.1	107.4	81.1	85.5	112.9	135.9	132.6	141.4	141.4
65°	1421.8	1146.6	243.4	103.0	77.8	92.1	125.0	151.3	140.3	144.7	142.5
67.5°	1437.1	1120.3	175.4	97.6	76.7	103.0	133.7	154.6	139.2	143.6	143.6
70°	1401.0	1058.9	141.4	93.2	75.6	104.1	135.9	154.6	140.3	150.2	148.0
72.5°	1237.6	901.1	120.6	88.8	75.6	101.9	139.2	155.7	143.6	160.0	156.8
75°	932.9	674.2	106.3	84.4	71.3	98.7	141.4	156.8	139.2	156.8	154.6
77.5°	554.7	384.8	94.3	78.9	65.8	95.4	139.2	156.8	135.9	154.6	152.4
80°	234.6	180.9	80.0	69.1	60.3	91.0	137.0	155.7	130.4	150.2	146.9
82.5°	148.0	122.8	68.0	57.0	59.2	89.9	138.1	153.5	128.3	151.3	140.3
85°	119.5	100.9	58.1	48.2	54.8	92.1	132.6	139.2	110.7	130.4	127.2
87.5°	100.9	84.4	26.3	20.8	40.6	71.3	100.9	104.1	80.0	101.9	97.6
90°	110.7	92.1	25.2	17.5	36.2	62.5	93.2	91.0	76.7	97.6	96.5
92.5°	120.6	97.6	24.1	18.6	40.6	68.0	101.9	92.1	81.1	98.7	97.6
95°	125.0	99.8	23.0	19.7	48.2	74.5	108.5	89.9	85.5	91.0	89.9
97.5°	94.3	72.4	21.9	20.8	50.4	84.4	101.9	75.6	55.9	55.9	54.8
100°	24.1	24.1	19.7	19.7	34.0	61.4	77.8	55.9	31.8	24.1	25.2
102.5°	6.6	7.7	17.5	18.6	18.6	27.4	43.8	36.2	20.8	3.3	3.3
105°	6.6	6.6	12.1	14.3	9.9	8.8	17.5	19.7	15.3	2.2	3.3
107.5°	6.6	6.6	5.5	7.7	3.3	4.4	4.4	5.5	5.5	2.2	2.2
110°	7.7	6.6	3.3	3.3	2.2	2.2	2.2	2.2	2.2	4.4	4.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.7	6.6	3.3	2.2	2.2	2.2	2.2	2.2	2.2	5.5	5.5
115°	6.6	5.5	3.3	2.2	2.2	2.2	2.2	1.1	2.2	6.6	6.6
117.5°	7.7	6.6	3.3	2.2	1.1	2.2	2.2	1.1	2.2	7.7	7.7
120°	8.8	7.7	3.3	2.2	1.1	1.1	1.1	1.1	3.3	7.7	7.7
122.5°	8.8	8.8	4.4	1.1	1.1	1.1	1.1	1.1	3.3	7.7	7.7
125°	8.8	7.7	3.3	1.1	1.1	1.1	0.0	1.1	3.3	7.7	8.8
127.5°	6.6	6.6	3.3	1.1	1.1	1.1	0.0	1.1	3.3	6.6	7.7
130°	5.5	5.5	2.2	1.1	1.1	1.1	0.0	1.1	3.3	6.6	6.6
132.5°	4.4	4.4	2.2	1.1	1.1	0.0	0.0	0.0	3.3	5.5	5.5
135°	3.3	3.3	1.1	1.1	1.1	0.0	0.0	0.0	2.2	4.4	4.4
137.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	2.2	2.2
140°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1
142.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1
145°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	1.1
147.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1
150°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	2.2	1.1	2.2
152.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	2.2	2.2	2.2
155°	2.2	2.2	2.2	1.1	1.1	0.0	0.0	0.0	1.1	2.2	2.2
157.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.1	1.1	1.1	1.1	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)