

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: P560090

Luminaire Tested: **SDL-PA1-20-827-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-827-U-SL3-A
Description: Springdale
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1884.8 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

Input Watts (W): 21
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

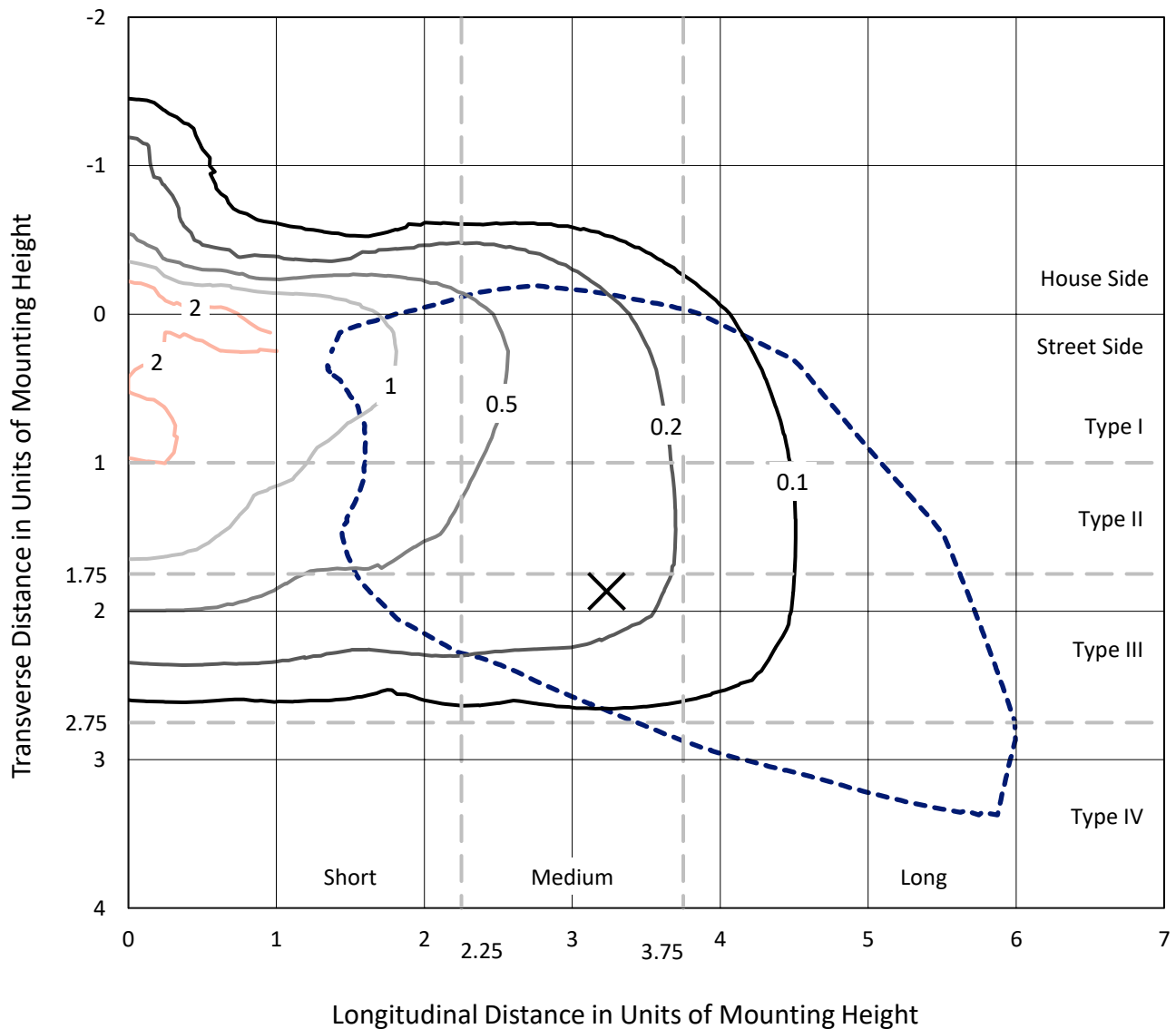


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

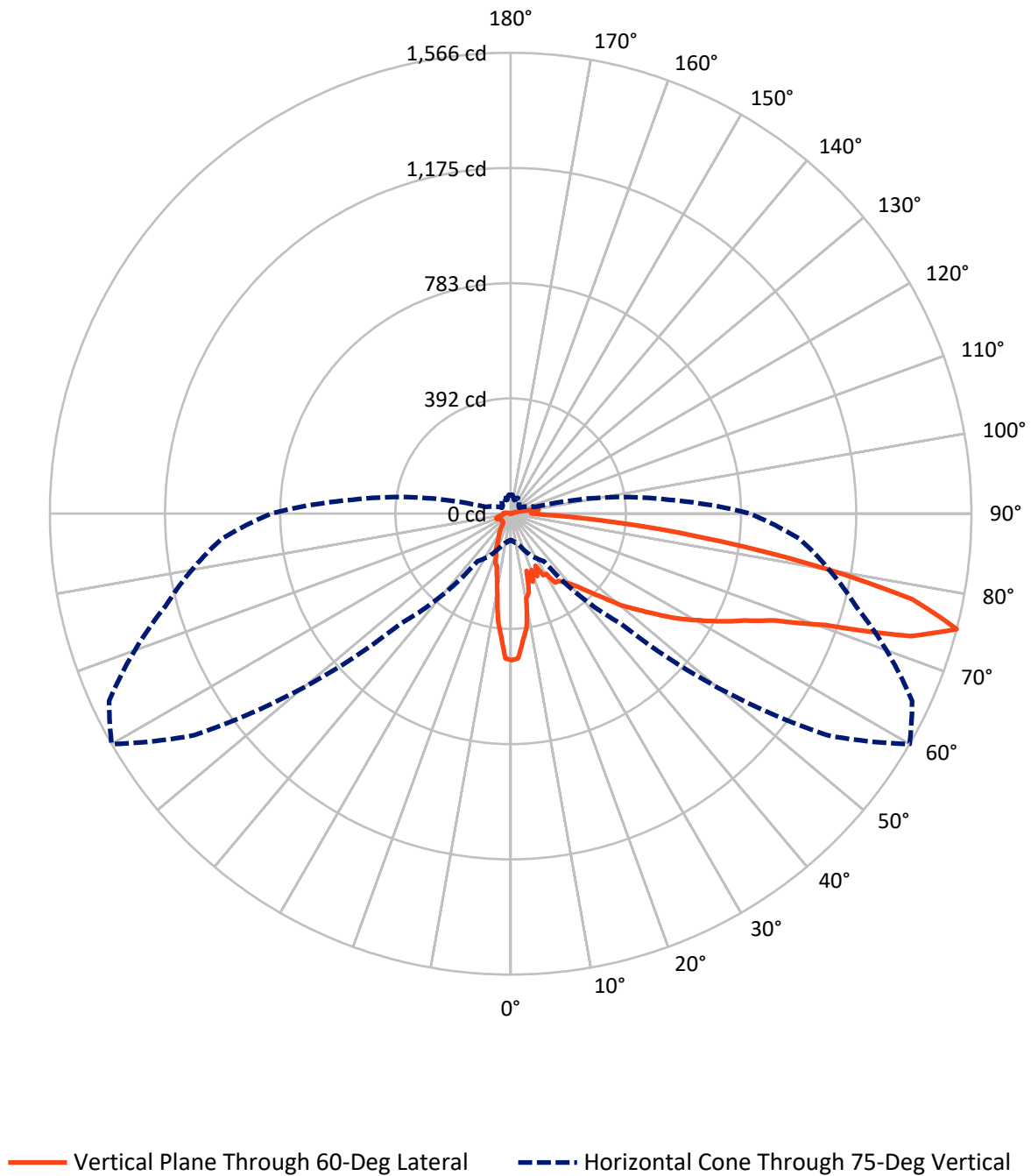


Based on 10 foot mounting height. Maximum calculated value = 5 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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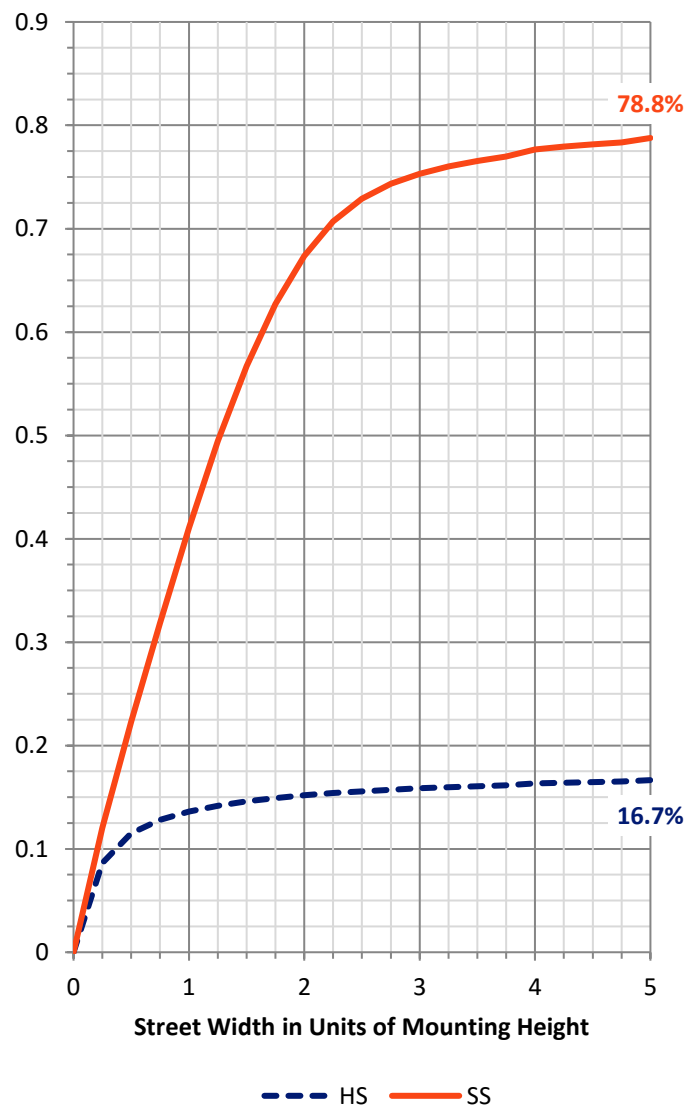
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	330.9	25.1	356.0
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	1502.3	26.5	1528.8
	% Fixture	79.7	1.4	81.1
Total	Lumens	1833.2	51.6	1884.8
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	1.9
10°-20°	65.2	3.5
20°-30°	84.5	4.5
30°-40°	140.8	7.5
40°-50°	225.4	12.0
50°-60°	346.1	18.4
60°-70°	432.4	22.9
70°-80°	394.4	20.9
80°-90°	107.9	5.7
90°-100°	36.2	1.9
100°-110°	8.2	0.4
110°-120°	2.6	0.1
120°-130°	2.4	0.1
130°-140°	1.1	0.1
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1833.2	97.3
0°-180°	1884.8	100.0

Coefficient of Utilization



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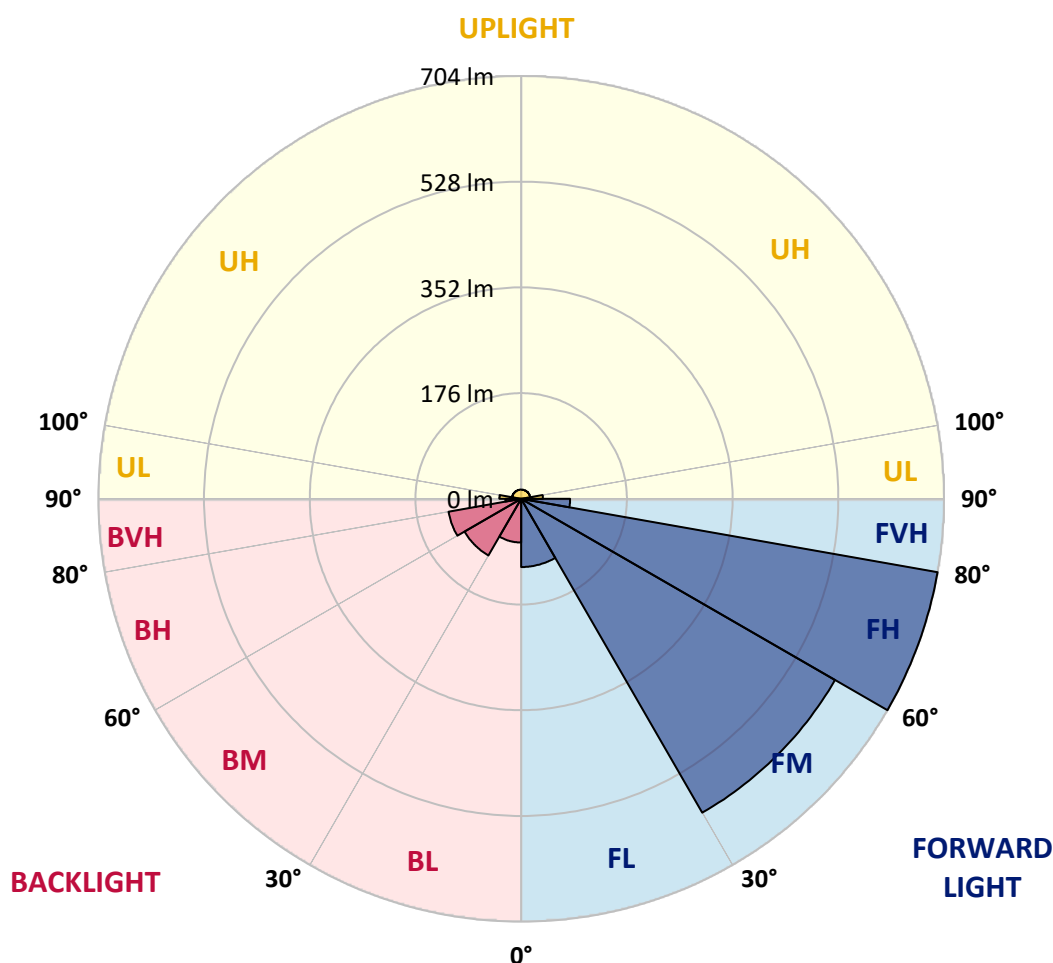
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.5	6.0			
FM	(30°-60°)	603.3	32.0			
FH	(60°-80°)	704.0	37.4			G1/1800
FVH	(80°-90°)	81.4	4.3			G1/100
BL	(0°-30°)	72.8	3.9	B0/110		
BM	(30°-60°)	108.9	5.8	B0/220		
BH	(60°-80°)	122.8	6.5	B1/500		G1/500
BVH	(80°-90°)	26.5	1.4			G1/100
UL	(90°-100°)	36.2	1.9		U2/50	
UH	(100°-180°)	15.3	0.8		U2/50	

BUG Rating: B1-U2-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8
2.5°	417.6	456.6	452.9	483.1	483.1	489.7	492.6	491.9	494.8	497.8	497.0
5°	384.5	385.3	388.2	394.8	397.0	399.2	406.6	432.3	475.7	486.0	486.0
7.5°	317.6	335.3	357.3	361.0	374.2	380.9	388.9	390.4	361.0	413.9	419.1
10°	322.0	322.8	321.3	329.4	319.8	316.2	290.4	291.9	294.8	314.7	354.4
12.5°	252.2	266.9	298.5	313.2	289.7	264.0	262.5	275.0	280.1	250.7	312.5
15°	288.2	289.7	290.4	291.2	216.2	250.7	219.1	201.5	225.7	284.5	323.5
17.5°	225.7	227.2	261.7	261.0	238.2	192.6	238.2	243.4	233.8	241.9	270.6
20°	264.7	265.4	263.2	204.4	208.8	236.0	205.1	204.4	216.2	278.7	314.7
22.5°	217.6	214.7	214.0	233.8	212.5	227.2	199.3	230.9	250.7	248.5	237.5
25°	272.8	272.0	261.0	203.7	217.6	192.6	233.1	195.6	216.9	300.7	314.7
27.5°	255.1	244.8	226.5	235.3	202.9	225.7	207.3	236.7	250.0	308.8	364.7
30°	330.1	322.8	301.5	237.5	224.2	208.1	222.0	237.5	284.5	397.8	416.9
32.5°	436.0	427.9	351.4	291.2	235.3	246.3	233.8	278.7	313.9	405.9	420.6
35°	468.4	457.3	419.8	352.9	269.8	261.7	249.2	280.9	318.4	427.2	427.2
37.5°	486.7	486.0	468.4	389.7	304.4	300.0	268.4	294.8	336.0	447.8	443.4
40°	489.7	493.3	501.4	422.0	345.6	336.0	293.4	313.9	361.0	472.8	463.9
42.5°	513.9	520.6	538.9	464.7	386.7	377.9	322.8	341.9	388.2	509.5	507.3
45°	552.9	559.5	575.7	511.7	422.8	416.9	370.6	382.3	432.3	574.2	553.6
47.5°	633.8	635.3	628.6	550.7	461.7	461.7	416.9	427.9	472.0	633.8	613.9
50°	714.7	705.8	676.4	597.0	500.7	511.7	464.7	490.4	516.9	694.1	666.9
52.5°	759.5	758.0	718.3	632.3	534.5	555.8	519.8	541.9	558.1	755.1	716.9
55°	761.0	758.8	731.6	649.2	566.1	601.4	575.0	603.6	615.4	802.9	785.2
57.5°	736.7	742.6	728.6	658.8	581.6	645.5	641.9	672.7	678.6	859.5	832.3
60°	698.5	697.7	714.7	667.6	605.1	687.5	703.6	735.2	766.9	902.9	874.2
62.5°	602.9	609.5	657.3	667.6	630.8	741.9	772.7	805.8	844.8	942.6	911.7
65°	472.0	475.7	550.7	619.1	638.2	814.7	842.6	875.7	916.8	983.0	953.6
67.5°	285.3	309.5	374.2	509.5	600.7	902.1	953.6	967.6	991.1	1028.6	1015.4
70°	162.5	169.8	200.7	320.6	501.4	930.1	1158.0	1133.0	1108.7	1117.6	1092.6
72.5°	123.5	127.9	141.9	189.7	300.0	821.3	1330.1	1422.7	1318.3	1210.2	1090.4
75°	89.7	94.1	108.1	152.9	197.0	526.4	1312.4	1566.1	1505.8	1214.6	986.0
77.5°	55.9	56.6	64.7	130.1	177.2	264.0	1027.1	1394.8	1421.2	1134.5	817.6
80°	39.0	39.7	41.2	69.8	163.2	211.8	689.7	1024.2	1061.7	789.7	416.9
82.5°	27.9	29.4	30.9	41.2	105.9	202.2	429.4	644.8	568.3	286.0	169.1
85°	14.7	16.2	19.9	25.0	42.6	219.8	257.3	327.9	259.5	116.2	100.7
87.5°	5.9	5.1	4.4	6.6	11.8	84.6	100.0	110.3	85.3	65.4	80.1
90°	5.1	4.4	2.9	3.7	5.1	30.1	63.2	70.6	58.8	64.0	80.9
92.5°	5.1	4.4	2.9	2.9	5.1	30.1	75.7	77.2	61.0	65.4	84.6
95°	5.1	5.1	2.9	2.9	5.1	27.2	89.7	88.2	63.2	69.1	89.7
97.5°	5.1	5.1	2.2	2.9	5.1	18.4	92.6	95.6	61.8	49.3	74.3
100°	5.1	5.1	2.2	2.2	4.4	11.8	64.7	69.8	45.6	16.2	18.4
102.5°	5.1	5.1	2.2	2.2	2.9	8.1	28.7	34.6	27.2	5.1	5.9
105°	5.1	5.9	1.5	1.5	2.2	4.4	12.5	14.0	11.0	3.7	6.6
107.5°	5.9	6.6	1.5	1.5	1.5	2.2	4.4	5.1	2.9	2.9	6.6
110°	6.6	6.6	1.5	1.5	1.5	2.2	1.5	1.5	2.2	2.9	7.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	5.1	4.4	0.7	1.5	1.5	1.5	1.5	1.5	1.5	2.9	7.4
115°	2.9	2.2	0.7	1.5	1.5	1.5	0.7	1.5	2.2	2.9	6.6
117.5°	2.9	2.2	0.7	0.7	0.7	1.5	0.7	0.7	2.2	3.7	8.1
120°	2.2	2.2	0.7	0.7	0.7	0.7	0.7	1.5	1.5	5.1	11.0
122.5°	2.2	2.2	0.7	0.7	0.7	0.7	0.7	1.5	1.5	5.1	11.0
125°	2.9	2.9	1.5	0.7	0.7	0.7	0.7	1.5	1.5	4.4	10.3
127.5°	2.2	2.2	1.5	0.7	0.7	0.7	0.7	1.5	1.5	3.7	8.1
130°	2.2	2.2	1.5	0.7	0.7	0.7	0.7	1.5	0.7	3.7	6.6
132.5°	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7	2.2	5.1
135°	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7	1.5	3.7
137.5°	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5
140°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.7	0.7	0.7	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.7	0.7	0.7	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7
150°	1.5	1.5	2.9	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
152.5°	2.9	2.9	2.9	2.2	0.7	0.7	1.5	2.2	0.7	0.7	0.7
155°	2.2	2.2	2.2	0.7	0.7	0.7	0.7	0.7	1.5	2.2	2.2
157.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8
2.5°	494.8	496.3	494.8	493.3	491.9	487.5	457.3	420.6	417.6	420.6	419.1
5°	482.3	482.3	481.6	430.9	400.7	391.9	389.7	387.5	383.1	380.9	382.3
7.5°	416.1	413.9	388.2	342.6	371.3	361.0	355.1	352.2	308.1	291.9	293.4
10°	347.8	347.8	289.0	272.8	271.3	275.7	305.9	303.7	297.8	294.1	297.8
12.5°	300.0	312.5	229.4	245.6	199.3	220.6	241.2	255.9	211.0	198.5	200.7
15°	318.4	313.9	252.2	192.6	175.7	185.3	148.5	186.0	183.1	177.2	176.5
17.5°	277.9	255.1	210.3	180.9	173.5	130.9	127.2	131.6	120.6	110.3	115.4
20°	302.2	289.7	222.8	161.0	133.8	119.1	89.7	83.8	106.6	111.8	111.0
22.5°	252.2	210.3	182.3	160.3	108.1	85.3	67.6	74.3	79.4	84.6	86.8
25°	296.3	273.5	199.3	119.8	87.5	62.5	61.0	55.1	83.1	94.8	94.1
27.5°	341.9	309.5	191.9	112.5	63.2	53.7	49.3	55.9	58.1	65.4	69.8
30°	382.3	343.4	222.0	104.4	52.9	40.4	44.1	45.6	56.6	61.0	61.0
32.5°	380.9	333.8	198.5	89.0	43.4	36.8	36.8	43.4	50.0	60.3	61.0
35°	380.1	326.4	177.2	69.1	38.2	32.4	33.8	41.2	50.0	55.9	56.6
37.5°	388.9	324.2	155.9	55.9	34.6	30.9	32.4	39.0	53.7	59.6	59.6
40°	402.2	325.7	134.5	47.8	33.1	30.1	30.9	41.2	48.5	53.7	53.7
42.5°	442.6	347.0	116.2	44.1	33.1	29.4	29.4	38.2	49.3	58.1	58.8
45°	472.8	363.9	102.2	44.1	32.4	27.9	30.9	38.2	43.4	64.0	68.4
47.5°	521.3	394.8	89.0	44.1	32.4	27.2	28.7	37.5	45.6	73.5	76.5
50°	569.8	425.7	83.1	44.1	32.4	26.5	32.4	36.0	45.6	76.5	78.7
52.5°	621.3	463.9	79.4	44.1	32.4	27.9	35.3	43.4	49.3	68.4	67.6
55°	674.2	497.8	77.2	45.6	32.4	27.9	38.2	40.4	41.9	52.9	54.4
57.5°	723.5	538.9	81.6	45.6	31.6	29.4	36.0	39.7	36.8	46.3	47.1
60°	762.4	576.4	92.6	44.1	30.9	29.4	36.8	43.4	41.2	50.7	52.2
62.5°	807.3	616.1	118.4	44.8	30.9	30.1	41.2	47.1	41.9	50.0	52.9
65°	866.1	676.4	147.0	49.3	31.6	31.6	41.9	50.7	41.9	49.3	49.3
67.5°	932.3	732.3	147.0	57.3	33.8	33.8	41.9	53.7	44.8	49.3	49.3
70°	980.8	735.2	121.3	63.2	36.8	36.0	43.4	55.9	45.6	54.4	53.7
72.5°	927.1	655.1	100.7	62.5	39.7	37.5	49.3	57.3	46.3	61.8	61.0
75°	813.9	540.4	87.5	55.9	36.0	38.2	51.5	58.8	47.1	64.7	63.2
77.5°	641.9	394.1	74.3	47.1	31.6	36.8	52.9	60.3	48.5	68.4	67.6
80°	311.0	197.8	60.3	39.7	28.7	35.3	52.9	59.6	47.8	70.6	70.6
82.5°	140.4	98.5	41.2	27.2	28.7	36.0	54.4	60.3	47.8	69.1	68.4
85°	91.2	67.6	26.5	21.3	28.7	41.2	55.1	57.3	45.6	64.0	64.0
87.5°	68.4	47.1	14.0	13.2	31.6	44.8	55.1	52.9	44.1	60.3	58.8
90°	69.8	50.0	14.7	13.2	33.8	45.6	55.1	52.2	42.6	54.4	54.4
92.5°	75.7	55.1	16.9	14.7	34.6	41.2	52.2	47.1	39.7	47.1	46.3
95°	82.3	61.8	19.9	16.9	30.1	30.1	41.2	38.2	33.8	36.0	36.0
97.5°	60.3	44.1	17.6	18.4	22.8	19.1	27.2	25.7	17.6	16.2	15.4
100°	17.6	14.7	16.2	17.6	16.2	14.0	20.6	19.9	11.8	5.9	5.9
102.5°	6.6	7.4	14.7	16.2	12.5	10.3	14.7	16.2	9.6	1.5	2.2
105°	5.9	5.1	10.3	12.5	7.4	5.9	7.4	10.3	5.9	1.5	1.5
107.5°	6.6	5.1	5.1	6.6	2.9	2.9	2.9	3.7	2.2	1.5	1.5
110°	6.6	5.1	2.9	2.9	2.2	2.2	2.2	1.5	1.5	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.6	5.1	2.9	2.9	2.2	2.2	1.5	1.5	2.2	3.7	3.7
115°	7.4	5.9	2.9	2.2	1.5	2.2	1.5	0.7	2.2	5.1	5.1
117.5°	8.8	6.6	2.2	2.2	1.5	1.5	1.5	0.7	2.2	6.6	7.4
120°	11.0	8.1	2.9	1.5	1.5	1.5	1.5	0.7	2.9	7.4	8.1
122.5°	11.0	8.8	2.9	1.5	1.5	0.7	0.7	1.5	2.9	7.4	8.1
125°	10.3	8.1	2.9	1.5	1.5	0.7	0.7	0.7	3.7	7.4	8.1
127.5°	8.1	7.4	2.9	1.5	0.7	0.7	0.7	1.5	2.9	6.6	6.6
130°	6.6	5.9	2.2	1.5	0.7	0.7	0.7	0.7	2.9	5.1	5.9
132.5°	5.1	4.4	2.2	1.5	0.7	0.7	0.7	0.7	2.9	5.1	5.1
135°	3.7	3.7	1.5	0.7	0.7	0.7	0.7	0.7	2.2	3.7	4.4
137.5°	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	1.5	2.2	2.2
140°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	1.5	1.5
142.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	1.5
145°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
147.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
150°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
152.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	1.5	1.5
155°	2.2	2.2	2.2	1.5	0.7	0.0	0.0	0.0	0.7	0.7	1.5
157.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7
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)