

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: P560156

Luminaire Tested: **SDL-PA1-30-727-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560156
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-PA1-30-727-U-SL3-A
Description: Springdale
(1) 70 CRI, 2700K, 375mA 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: 2958.6 lumens
Efficiency: N/A
Efficacy: 98.3 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 - 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

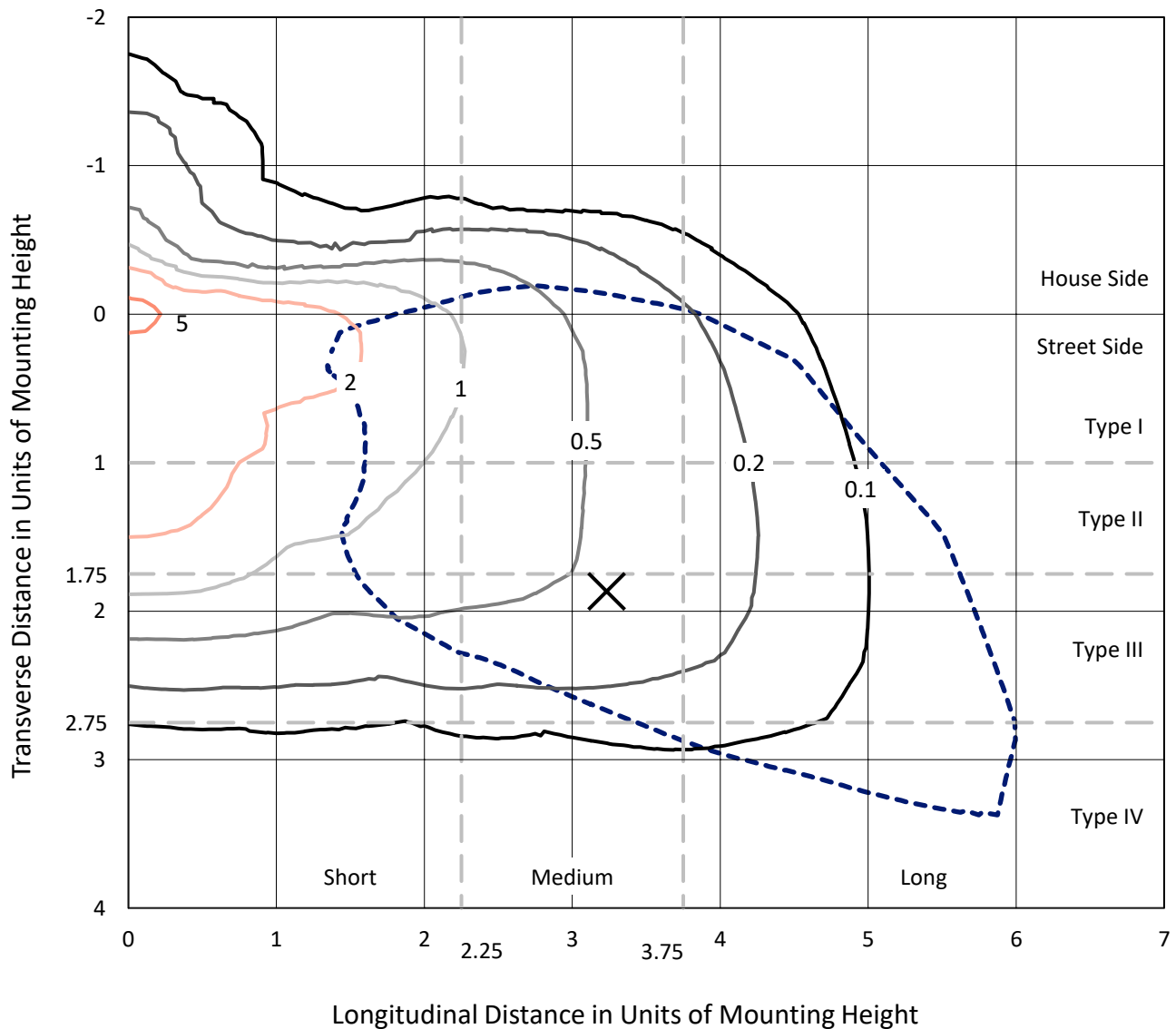


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

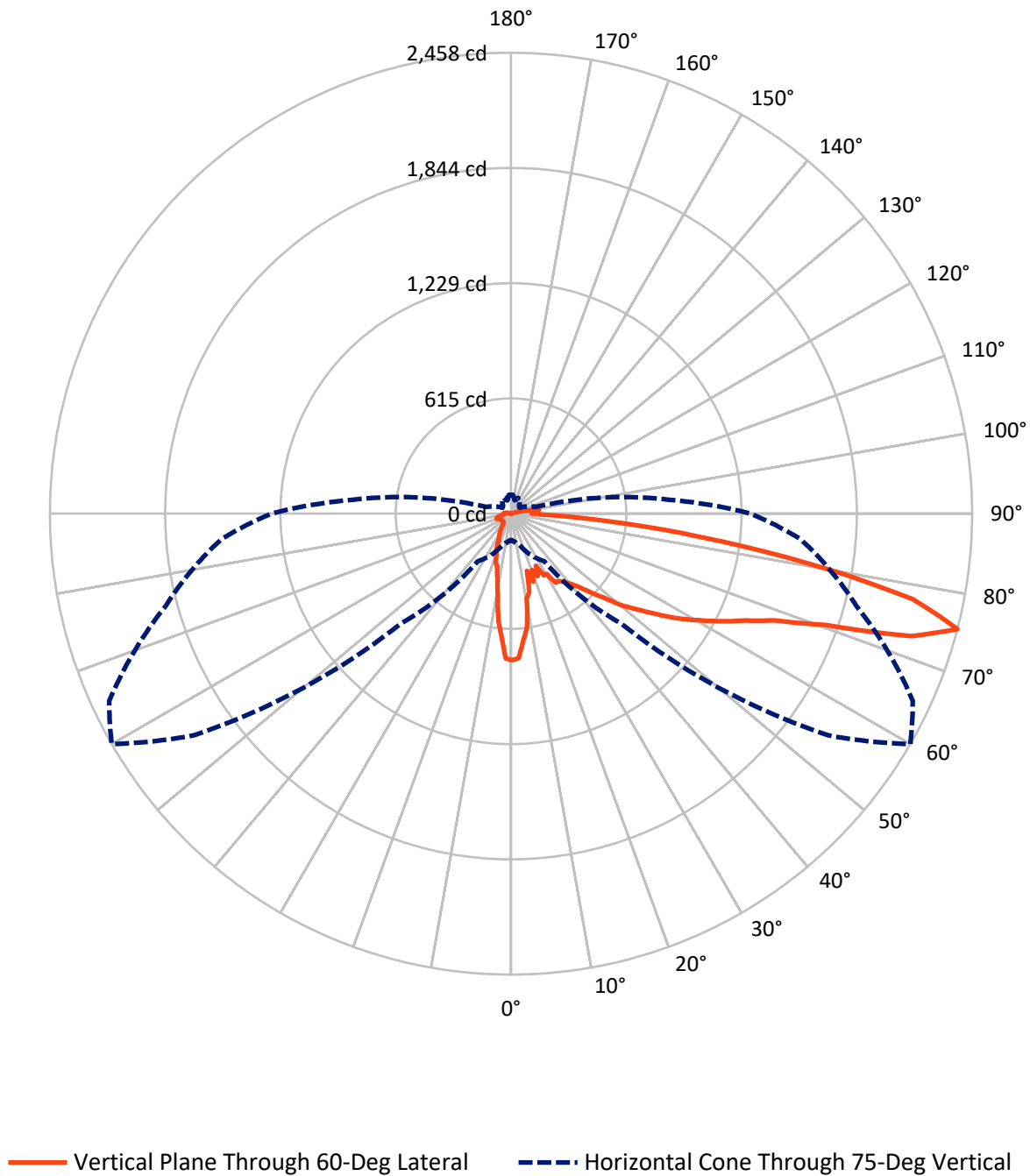


Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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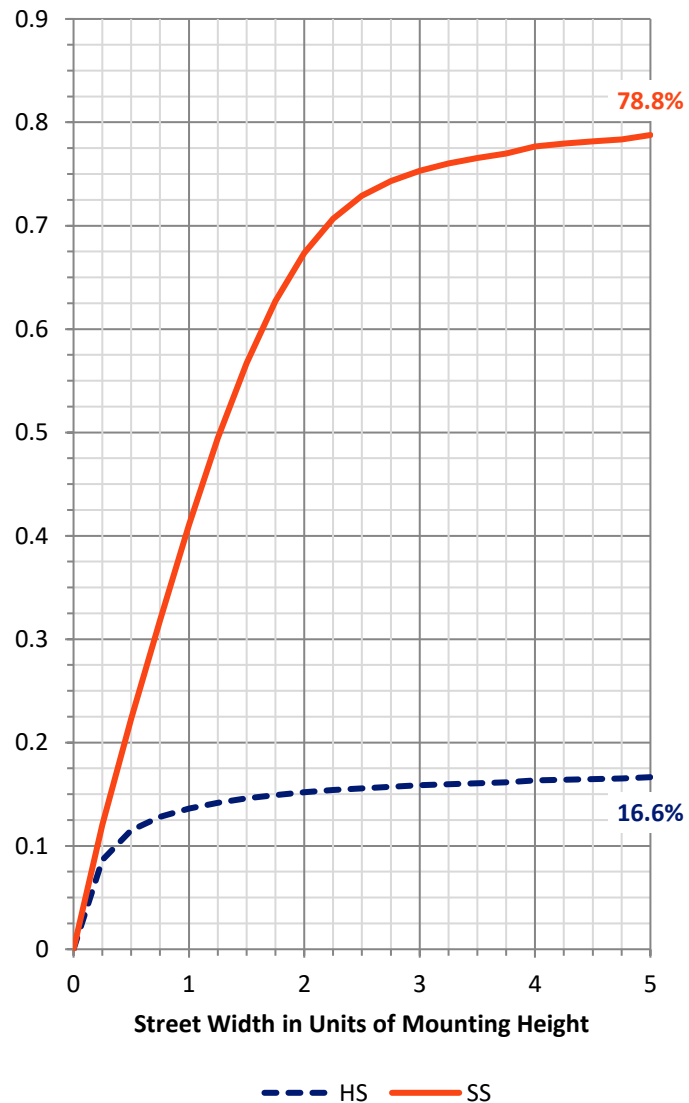
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	519.4	39.4	558.8
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	2358.1	41.7	2399.8
	% Fixture	79.7	1.4	81.1
Total	Lumens	2877.5	81.1	2958.6
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	1.9
10°-20°	102.3	3.5
20°-30°	132.6	4.5
30°-40°	221.0	7.5
40°-50°	353.8	12.0
50°-60°	543.2	18.4
60°-70°	678.7	22.9
70°-80°	619.0	20.9
80°-90°	169.4	5.7
90°-100°	56.9	1.9
100°-110°	12.9	0.4
110°-120°	4.1	0.1
120°-130°	3.8	0.1
130°-140°	1.8	0.1
140°-150°	0.8	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2877.5	97.3
0°-180°	2958.6	100.0

Coefficient of Utilization



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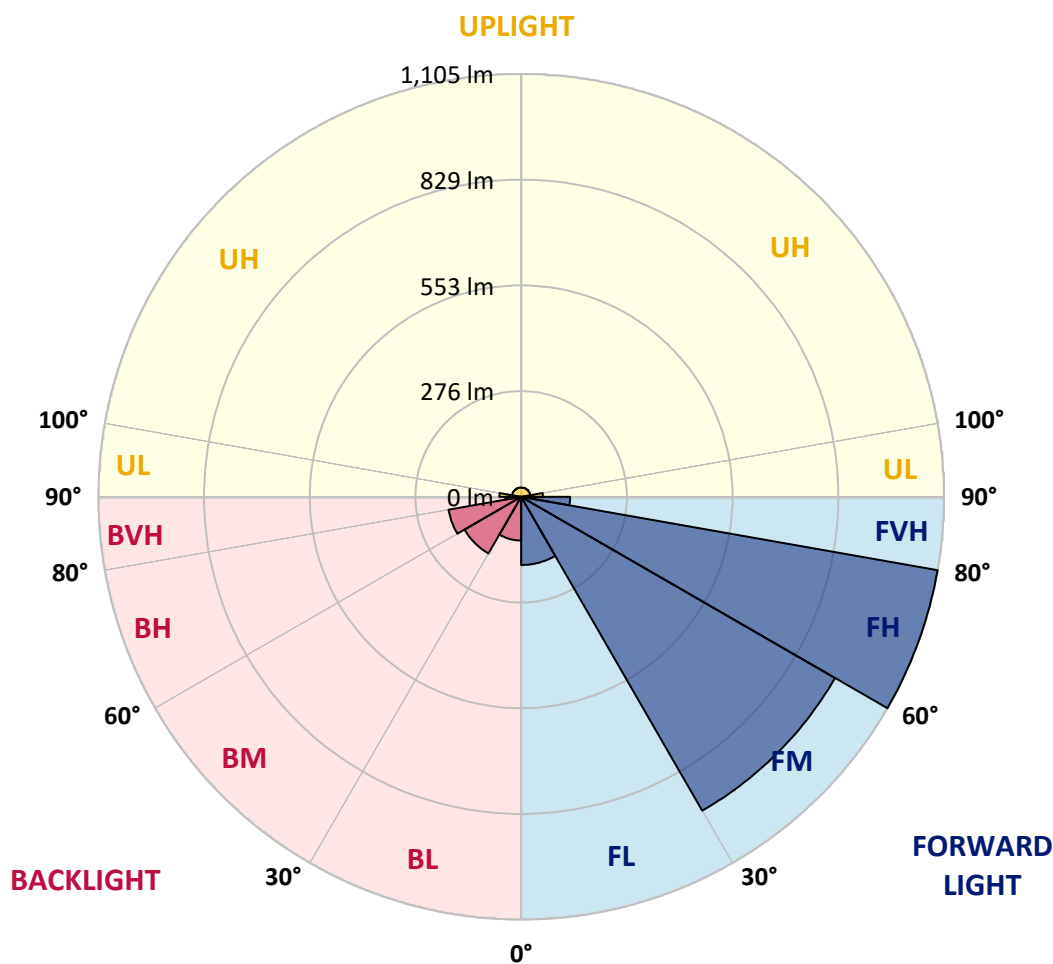
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.2	6.0			
FM	(30°-60°)	947.0	32.0			
FH	(60°-80°)	1105.0	37.4			G1/1800
FVH	(80°-90°)	127.8	4.3			G2/225
BL	(0°-30°)	114.2	3.9	B1/500		
BM	(30°-60°)	170.9	5.8	B0/220		
BH	(60°-80°)	192.7	6.5	B1/500		G1/500
BVH	(80°-90°)	41.6	1.4			G1/100
UL	(90°-100°)	56.9	1.9		U3/500	
UH	(100°-180°)	24.2	0.8		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	781.3	781.3	781.3	781.3	781.3	781.3	781.3	781.3	781.3	781.3	781.3
2.5°	655.5	716.7	710.9	758.2	758.2	768.6	773.2	772.1	776.7	781.3	780.1
5°	603.6	604.7	609.3	619.7	623.2	626.6	638.2	678.6	746.7	762.8	762.8
7.5°	498.5	526.2	560.9	566.6	587.4	597.8	610.5	612.8	566.6	649.7	657.8
10°	505.5	506.6	504.3	517.0	502.0	496.2	455.8	458.2	462.8	493.9	556.3
12.5°	395.8	418.9	468.5	491.6	454.7	414.3	412.0	431.6	439.7	393.5	490.5
15°	452.4	454.7	455.8	457.0	339.3	393.5	343.9	316.2	354.3	446.6	507.8
17.5°	354.3	356.6	410.8	409.7	373.9	302.4	373.9	382.0	367.0	379.7	424.7
20°	415.5	416.6	413.2	320.8	327.8	370.5	322.0	320.8	339.3	437.4	493.9
22.5°	341.6	337.0	335.8	367.0	333.5	356.6	312.7	362.4	393.5	390.1	372.8
25°	428.2	427.0	409.7	319.7	341.6	302.4	365.8	307.0	340.4	472.0	493.9
27.5°	400.5	384.3	355.4	369.3	318.5	354.3	325.4	371.6	392.4	484.7	572.4
30°	518.2	506.6	473.2	372.8	352.0	326.6	348.5	372.8	446.6	624.3	654.3
32.5°	684.4	671.7	551.6	457.0	369.3	386.6	367.0	437.4	492.8	637.0	660.1
35°	735.1	717.8	659.0	553.9	423.5	410.8	391.2	440.8	499.7	670.5	670.5
37.5°	764.0	762.8	735.1	611.6	477.8	470.9	421.2	462.8	527.4	702.8	695.9
40°	768.6	774.4	787.1	662.4	542.4	527.4	460.5	492.8	566.6	742.1	728.2
42.5°	806.7	817.1	845.9	729.4	607.0	593.2	506.6	536.6	609.3	799.8	796.3
45°	867.8	878.2	903.6	803.2	663.6	654.3	581.6	600.1	678.6	901.3	869.0
47.5°	994.8	997.1	986.7	864.4	724.7	724.7	654.3	671.7	740.9	994.8	963.6
50°	1121.7	1107.9	1061.7	937.1	785.9	803.2	729.4	769.8	811.3	1089.4	1046.7
52.5°	1192.1	1189.8	1127.5	992.5	839.0	872.5	815.9	850.5	875.9	1185.2	1125.2
55°	1194.4	1191.0	1148.3	1019.0	888.6	944.0	902.5	947.5	965.9	1260.2	1232.5
57.5°	1156.4	1165.6	1143.7	1034.0	912.9	1013.3	1007.5	1056.0	1065.2	1349.1	1306.4
60°	1096.3	1095.2	1121.7	1047.9	949.8	1079.0	1104.4	1154.1	1203.7	1417.2	1372.2
62.5°	946.3	956.7	1031.7	1047.9	990.2	1164.4	1212.9	1264.8	1326.0	1479.5	1431.0
65°	740.9	746.7	864.4	971.7	1001.7	1278.7	1322.5	1374.5	1439.1	1543.0	1496.8
67.5°	447.8	485.9	587.4	799.8	942.9	1416.0	1496.8	1518.7	1555.7	1614.5	1593.7
70°	255.0	266.6	315.1	503.2	787.1	1459.9	1817.6	1778.4	1740.3	1754.2	1714.9
72.5°	193.9	200.8	222.7	297.7	470.9	1289.1	2087.7	2233.1	2069.2	1899.6	1711.5
75°	140.8	147.7	169.6	240.0	309.3	826.3	2060.0	2458.1	2363.5	1906.5	1547.6
77.5°	87.7	88.9	101.6	204.3	278.1	414.3	1612.2	2189.2	2230.8	1780.7	1283.3
80°	61.2	62.3	64.6	109.6	256.2	332.4	1082.5	1607.6	1666.4	1239.5	654.3
82.5°	43.9	46.2	48.5	64.6	166.2	317.4	674.0	1012.1	892.1	448.9	265.4
85°	23.1	25.4	31.2	39.2	66.9	345.1	403.9	514.7	407.4	182.3	158.1
87.5°	9.2	8.1	6.9	10.4	18.5	132.7	157.0	173.1	133.9	102.7	125.8
90°	8.1	6.9	4.6	5.8	8.1	47.3	99.2	110.8	92.3	100.4	126.9
92.5°	8.1	6.9	4.6	4.6	8.1	47.3	118.9	121.2	95.8	102.7	132.7
95°	8.1	8.1	4.6	4.6	8.1	42.7	140.8	138.5	99.2	108.5	140.8
97.5°	8.1	8.1	3.5	4.6	8.1	28.9	145.4	150.0	96.9	77.3	116.6
100°	8.1	8.1	3.5	3.5	6.9	18.5	101.6	109.6	71.6	25.4	28.9
102.5°	8.1	8.1	3.5	3.5	4.6	12.7	45.0	54.2	42.7	8.1	9.2
105°	8.1	9.2	2.3	2.3	3.5	6.9	19.6	21.9	17.3	5.8	10.4
107.5°	9.2	10.4	2.3	2.3	2.3	3.5	6.9	8.1	4.6	4.6	10.4
110°	10.4	10.4	2.3	2.3	2.3	3.5	2.3	2.3	3.5	4.6	11.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	8.1	6.9	1.2	2.3	2.3	2.3	2.3	2.3	2.3	4.6	11.5
115°	4.6	3.5	1.2	2.3	2.3	2.3	1.2	2.3	3.5	4.6	10.4
117.5°	4.6	3.5	1.2	1.2	1.2	2.3	1.2	1.2	3.5	5.8	12.7
120°	3.5	3.5	1.2	1.2	1.2	1.2	1.2	2.3	2.3	8.1	17.3
122.5°	3.5	3.5	1.2	1.2	1.2	1.2	1.2	2.3	2.3	8.1	17.3
125°	4.6	4.6	2.3	1.2	1.2	1.2	1.2	2.3	2.3	6.9	16.2
127.5°	3.5	3.5	2.3	1.2	1.2	1.2	1.2	2.3	2.3	5.8	12.7
130°	3.5	3.5	2.3	1.2	1.2	1.2	1.2	2.3	1.2	5.8	10.4
132.5°	3.5	3.5	2.3	1.2	1.2	1.2	1.2	1.2	1.2	3.5	8.1
135°	3.5	3.5	2.3	1.2	1.2	1.2	1.2	1.2	1.2	2.3	5.8
137.5°	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3
140°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	1.2	1.2	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2
150°	2.3	2.3	4.6	3.5	2.3	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	4.6	4.6	4.6	3.5	1.2	1.2	2.3	3.5	1.2	1.2	1.2
155°	3.5	3.5	3.5	1.2	1.2	1.2	1.2	1.2	2.3	3.5	3.5
157.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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°	781.3	781.3	781.3	781.3	781.3	781.3	781.3	781.3	781.3	781.3	781.3
2.5°	776.7	779.0	776.7	774.4	772.1	765.1	717.8	660.1	655.5	660.1	657.8
5°	757.1	757.1	755.9	676.3	629.0	615.1	611.6	608.2	601.3	597.8	600.1
7.5°	653.2	649.7	609.3	537.8	582.8	566.6	557.4	552.8	483.5	458.2	460.5
10°	545.9	545.9	453.5	428.2	425.8	432.8	480.1	476.6	467.4	461.6	467.4
12.5°	470.9	490.5	360.1	385.5	312.7	346.2	378.5	401.6	331.2	311.6	315.1
15°	499.7	492.8	395.8	302.4	275.8	290.8	233.1	292.0	287.4	278.1	277.0
17.5°	436.2	400.5	330.1	283.9	272.4	205.4	199.7	206.6	189.3	173.1	181.2
20°	474.3	454.7	349.7	252.7	210.0	187.0	140.8	131.6	167.3	175.4	174.3
22.5°	395.8	330.1	286.2	251.6	169.6	133.9	106.2	116.6	124.6	132.7	136.2
25°	465.1	429.3	312.7	188.1	137.3	98.1	95.8	86.6	130.4	148.9	147.7
27.5°	536.6	485.9	301.2	176.6	99.2	84.2	77.3	87.7	91.2	102.7	109.6
30°	600.1	538.9	348.5	163.9	83.1	63.5	69.2	71.6	88.9	95.8	95.8
32.5°	597.8	523.9	311.6	139.6	68.1	57.7	57.7	68.1	78.5	94.6	95.8
35°	596.6	512.4	278.1	108.5	60.0	50.8	53.1	64.6	78.5	87.7	88.9
37.5°	610.5	508.9	244.7	87.7	54.2	48.5	50.8	61.2	84.2	93.5	93.5
40°	631.3	511.2	211.2	75.0	51.9	47.3	48.5	64.6	76.2	84.2	84.2
42.5°	694.7	544.7	182.3	69.2	51.9	46.2	46.2	60.0	77.3	91.2	92.3
45°	742.1	571.3	160.4	69.2	50.8	43.9	48.5	60.0	68.1	100.4	107.3
47.5°	818.2	619.7	139.6	69.2	50.8	42.7	45.0	58.9	71.6	115.4	120.0
50°	894.4	668.2	130.4	69.2	50.8	41.5	50.8	56.5	71.6	120.0	123.5
52.5°	975.2	728.2	124.6	69.2	50.8	43.9	55.4	68.1	77.3	107.3	106.2
55°	1058.3	781.3	121.2	71.6	50.8	43.9	60.0	63.5	65.8	83.1	85.4
57.5°	1135.6	845.9	128.1	71.6	49.6	46.2	56.5	62.3	57.7	72.7	73.9
60°	1196.8	904.8	145.4	69.2	48.5	46.2	57.7	68.1	64.6	79.6	81.9
62.5°	1267.1	967.1	185.8	70.4	48.5	47.3	64.6	73.9	65.8	78.5	83.1
65°	1359.5	1061.7	230.8	77.3	49.6	49.6	65.8	79.6	65.8	77.3	77.3
67.5°	1463.3	1149.4	230.8	90.0	53.1	53.1	65.8	84.2	70.4	77.3	77.3
70°	1539.5	1154.1	190.4	99.2	57.7	56.5	68.1	87.7	71.6	85.4	84.2
72.5°	1455.3	1028.3	158.1	98.1	62.3	58.9	77.3	90.0	72.7	96.9	95.8
75°	1277.5	848.2	137.3	87.7	56.5	60.0	80.8	92.3	73.9	101.6	99.2
77.5°	1007.5	618.6	116.6	73.9	49.6	57.7	83.1	94.6	76.2	107.3	106.2
80°	488.2	310.4	94.6	62.3	45.0	55.4	83.1	93.5	75.0	110.8	110.8
82.5°	220.4	154.6	64.6	42.7	45.0	56.5	85.4	94.6	75.0	108.5	107.3
85°	143.1	106.2	41.5	33.5	45.0	64.6	86.6	90.0	71.6	100.4	100.4
87.5°	107.3	73.9	21.9	20.8	49.6	70.4	86.6	83.1	69.2	94.6	92.3
90°	109.6	78.5	23.1	20.8	53.1	71.6	86.6	81.9	66.9	85.4	85.4
92.5°	118.9	86.6	26.5	23.1	54.2	64.6	81.9	73.9	62.3	73.9	72.7
95°	129.3	96.9	31.2	26.5	47.3	47.3	64.6	60.0	53.1	56.5	56.5
97.5°	94.6	69.2	27.7	28.9	35.8	30.0	42.7	40.4	27.7	25.4	24.2
100°	27.7	23.1	25.4	27.7	25.4	21.9	32.3	31.2	18.5	9.2	9.2
102.5°	10.4	11.5	23.1	25.4	19.6	16.2	23.1	25.4	15.0	2.3	3.5
105°	9.2	8.1	16.2	19.6	11.5	9.2	11.5	16.2	9.2	2.3	2.3
107.5°	10.4	8.1	8.1	10.4	4.6	4.6	4.6	5.8	3.5	2.3	2.3
110°	10.4	8.1	4.6	4.6	3.5	3.5	3.5	2.3	2.3	2.3	2.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.4	8.1	4.6	4.6	3.5	3.5	2.3	2.3	3.5	5.8	5.8
115°	11.5	9.2	4.6	3.5	2.3	3.5	2.3	1.2	3.5	8.1	8.1
117.5°	13.8	10.4	3.5	3.5	2.3	2.3	2.3	1.2	3.5	10.4	11.5
120°	17.3	12.7	4.6	2.3	2.3	2.3	2.3	1.2	4.6	11.5	12.7
122.5°	17.3	13.8	4.6	2.3	2.3	1.2	1.2	2.3	4.6	11.5	12.7
125°	16.2	12.7	4.6	2.3	2.3	1.2	1.2	1.2	5.8	11.5	12.7
127.5°	12.7	11.5	4.6	2.3	1.2	1.2	1.2	2.3	4.6	10.4	10.4
130°	10.4	9.2	3.5	2.3	1.2	1.2	1.2	1.2	4.6	8.1	9.2
132.5°	8.1	6.9	3.5	2.3	1.2	1.2	1.2	1.2	4.6	8.1	8.1
135°	5.8	5.8	2.3	1.2	1.2	1.2	1.2	1.2	3.5	5.8	6.9
137.5°	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	2.3	3.5	3.5
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	2.3	2.3
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	2.3
145°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
150°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	2.3	2.3
155°	3.5	3.5	3.5	2.3	1.2	0.0	0.0	0.0	1.2	1.2	2.3
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2
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)