

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: P560337

Luminaire Tested: **SDL-PA1-40-727-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-727-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3152.7 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B0 - U2 - G1

Input Watts (W): 39.4
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



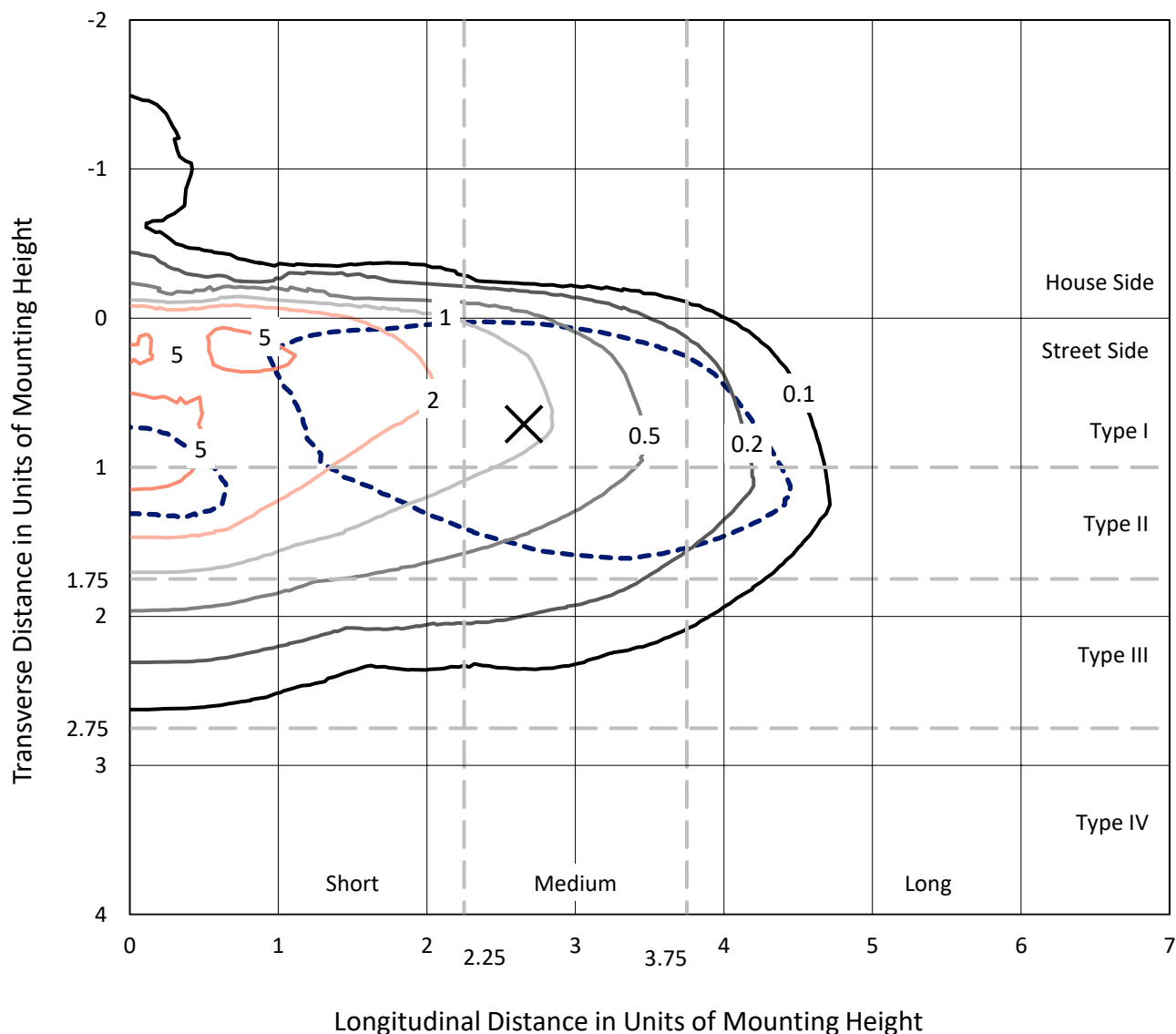
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

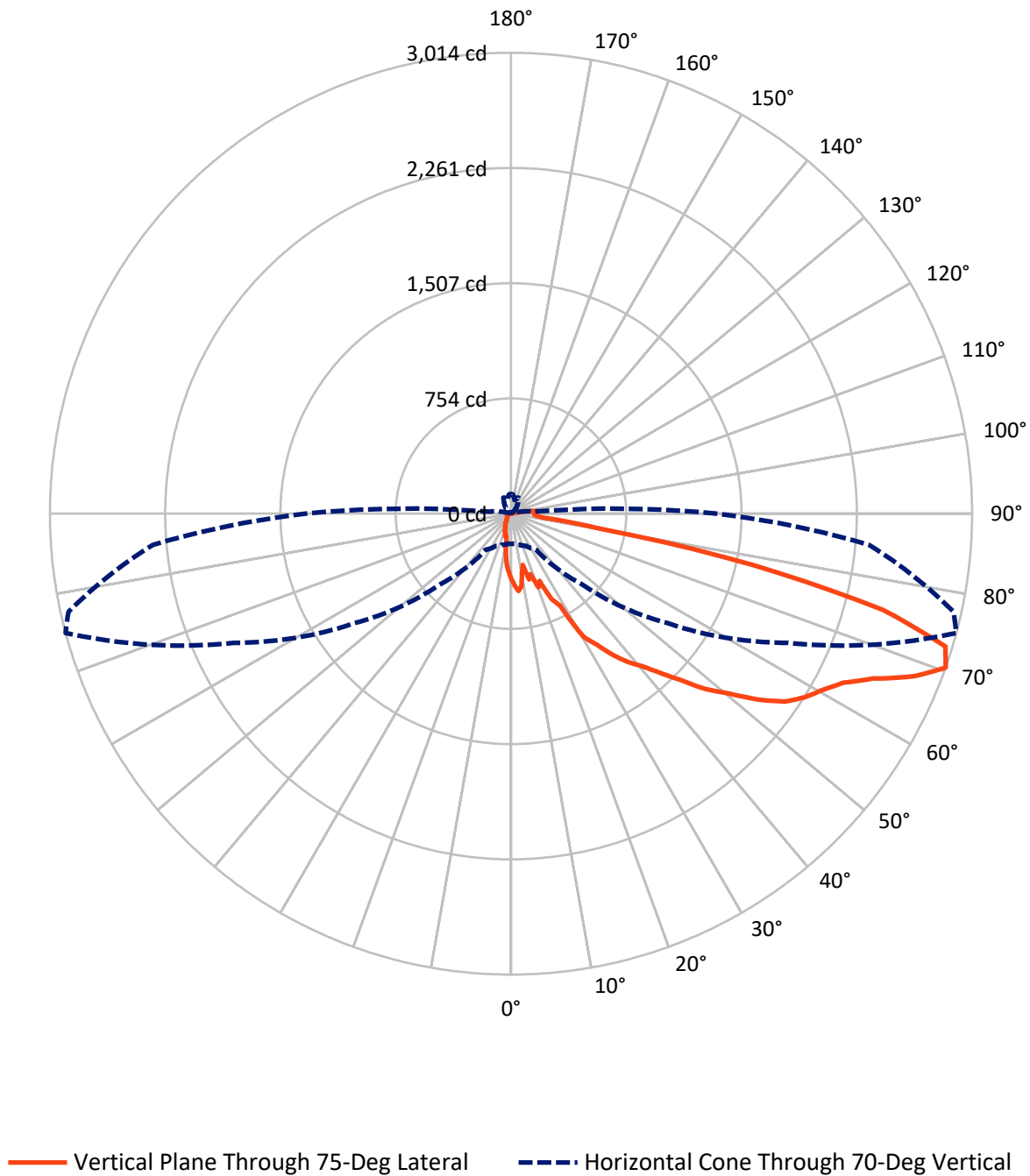


Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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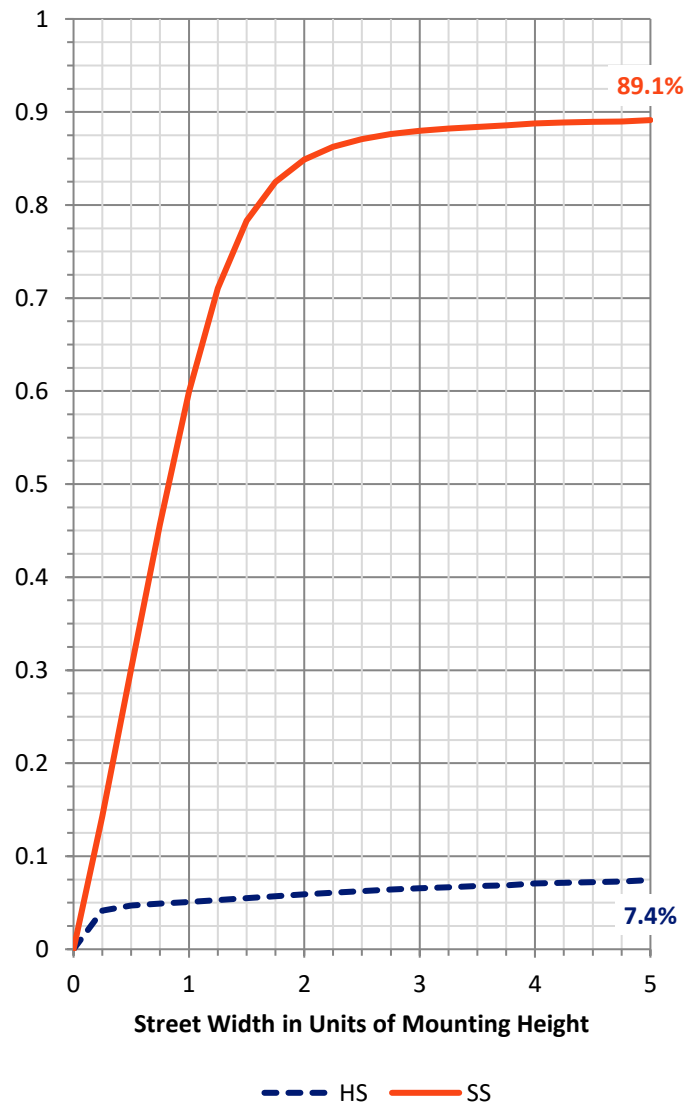
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	256.9	31.9	288.8
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	2823.8	40.1	2863.9
	% Fixture	89.6	1.3	90.8
Total	Lumens	3080.6	72.0	3152.7
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	1.1
10°-20°	83.2	2.6
20°-30°	156.0	4.9
30°-40°	350.1	11.1
40°-50°	576.2	18.3
50°-60°	706.4	22.4
60°-70°	661.6	21.0
70°-80°	430.8	13.7
80°-90°	82.3	2.6
90°-100°	47.2	1.5
100°-110°	10.6	0.3
110°-120°	5.4	0.2
120°-130°	4.5	0.1
130°-140°	2.2	0.1
140°-150°	1.1	0.0
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3080.6	97.7
0°-180°	3152.7	100.0

Coefficient of Utilization



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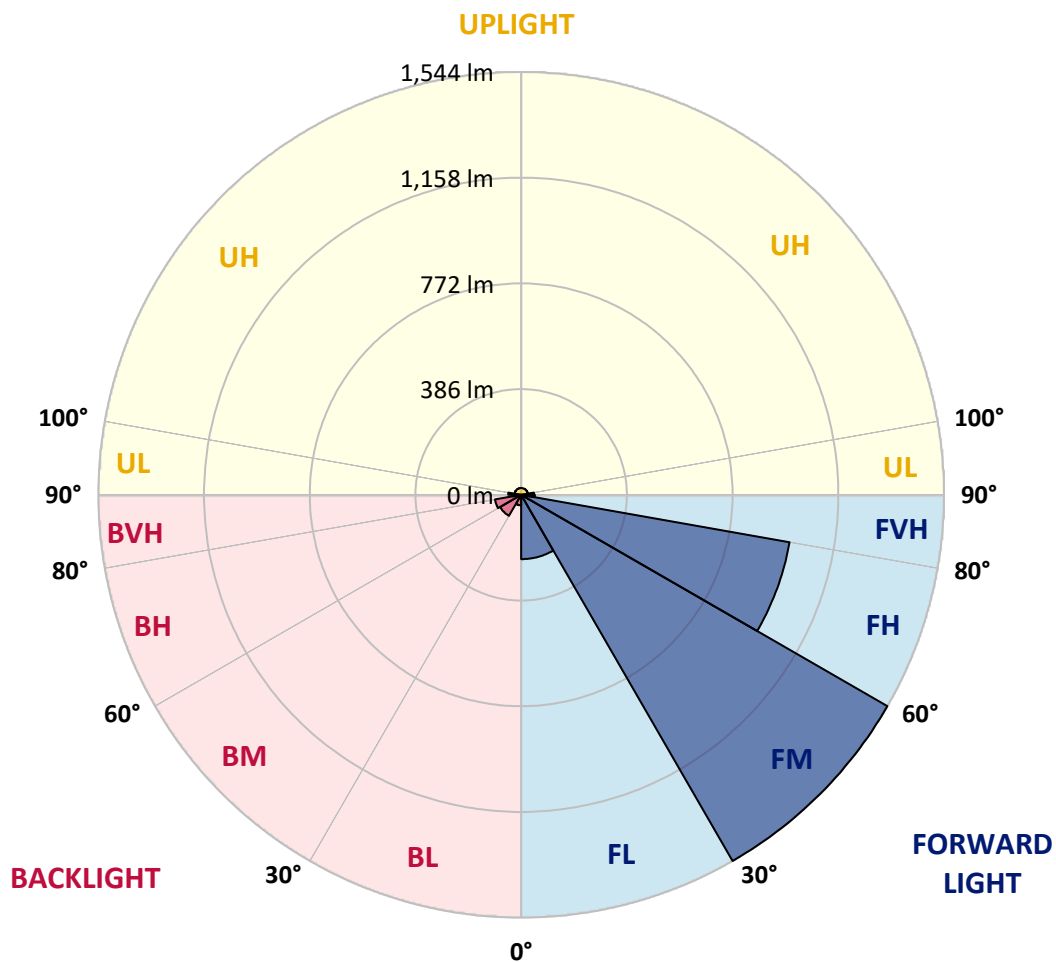
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	234.9	7.4			
FM	(30°-60°)	1544.0	49.0			
FH	(60°-80°)	995.1	31.6			G1/1800
FVH	(80°-90°)	49.8	1.6			G1/100
BL	(0°-30°)	38.4	1.2	B0/110		
BM	(30°-60°)	88.8	2.8	B0/220		
BH	(60°-80°)	97.3	3.1	B0/110		G0/110
BVH	(80°-90°)	32.5	1.0			G1/100
UL	(90°-100°)	47.2	1.5		U2/50	
UH	(100°-180°)	24.8	0.8		U2/50	

BUG Rating: B0-U2-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	428.9	428.9	428.9	428.9	428.9	428.9	428.9	428.9	428.9	428.9	428.9
2.5°	478.6	508.7	517.7	532.8	540.3	531.2	514.7	493.6	471.1	465.0	445.5
5°	543.3	537.3	532.8	532.8	523.7	504.2	486.1	541.8	507.2	499.6	460.5
7.5°	493.6	540.3	574.9	577.9	573.4	558.3	532.8	475.6	483.1	474.1	425.9
10°	597.5	599.0	593.0	597.5	555.3	534.3	451.5	416.9	389.8	425.9	382.3
12.5°	495.1	568.9	611.0	626.1	573.4	504.2	462.0	444.0	344.6	335.6	346.1
15°	605.0	608.0	612.5	597.5	465.0	528.2	428.9	395.8	447.0	434.9	427.4
17.5°	478.6	484.6	586.9	580.9	538.8	418.4	510.2	454.5	415.4	400.3	389.8
20°	609.5	611.0	609.5	462.0	502.7	562.9	480.1	465.0	514.7	508.7	481.6
22.5°	511.7	511.7	546.3	593.0	528.2	564.4	489.1	579.4	478.6	475.6	358.2
25°	707.3	707.3	683.2	523.7	599.0	531.2	580.9	520.7	618.5	597.5	537.3
27.5°	687.8	666.7	629.1	660.7	579.4	665.2	562.9	635.1	681.7	701.3	669.7
30°	955.6	955.6	915.0	707.3	678.7	642.6	650.1	760.0	934.6	937.6	809.7
32.5°	1294.3	1270.2	1055.0	912.0	741.9	806.7	734.4	893.9	1015.8	1011.3	860.8
35°	1432.7	1425.2	1359.0	1119.7	859.3	883.4	827.7	945.1	1125.7	1095.6	922.5
37.5°	1574.2	1562.1	1494.4	1237.1	982.7	1014.3	897.0	1020.4	1226.5	1182.9	990.3
40°	1661.5	1663.0	1614.8	1330.4	1080.6	1097.1	979.7	1112.2	1307.8	1316.8	1049.0
42.5°	1753.3	1751.8	1712.6	1440.2	1161.8	1182.9	1045.9	1199.4	1417.7	1428.2	1148.3
45°	1802.9	1799.9	1777.3	1515.5	1226.5	1241.6	1148.3	1306.3	1551.6	1548.6	1229.5
47.5°	1815.0	1819.5	1818.0	1589.2	1294.3	1300.3	1240.1	1384.6	1714.1	1681.0	1336.4
50°	1747.2	1750.3	1771.3	1647.9	1343.9	1349.9	1312.3	1473.3	1851.1	1812.0	1432.7
52.5°	1559.1	1577.2	1666.0	1611.8	1365.0	1387.6	1380.0	1541.1	2018.1	1970.0	1551.6
55°	1158.8	1201.0	1404.1	1476.4	1354.5	1389.1	1440.2	1664.5	2170.1	2111.4	1647.9
57.5°	924.0	931.6	1052.0	1250.6	1268.7	1381.5	1503.4	1739.7	2265.0	2206.3	1717.2
60°	729.9	741.9	820.2	979.7	1107.6	1336.4	1521.5	1816.5	2340.2	2290.5	1793.9
62.5°	565.9	564.4	624.6	731.4	892.4	1241.6	1497.4	1863.1	2436.5	2398.9	1930.9
65°	394.3	394.3	445.5	531.2	675.7	1071.5	1449.3	1929.3	2600.6	2590.0	2100.9
67.5°	269.4	275.4	310.0	352.2	463.5	871.4	1377.0	1997.1	2839.8	2790.2	2265.0
70°	197.1	197.1	210.7	233.3	289.0	650.1	1247.6	1998.6	3014.4	2963.3	2350.7
72.5°	146.0	146.0	156.5	167.0	182.1	431.9	1023.4	1872.2	2969.3	2888.0	2176.2
75°	76.8	76.8	118.9	123.4	121.9	279.9	755.5	1538.1	2510.3	2374.8	1703.6
77.5°	60.2	61.7	67.7	96.3	88.8	183.6	421.4	946.6	1622.3	1456.8	922.5
80°	43.6	42.1	52.7	61.7	52.7	106.9	198.7	415.4	574.9	498.1	304.0
82.5°	25.6	27.1	31.6	45.1	45.1	75.2	129.4	182.1	206.2	204.7	182.1
85°	3.0	4.5	16.6	30.1	27.1	43.6	108.4	126.4	162.5	165.5	162.5
87.5°	3.0	3.0	4.5	6.0	7.5	28.6	91.8	109.9	150.5	161.0	162.5
90°	6.0	4.5	3.0	3.0	4.5	22.6	85.8	112.9	159.5	162.5	170.1
92.5°	7.5	6.0	3.0	1.5	4.5	18.1	81.3	112.9	165.5	176.1	183.6
95°	10.5	9.0	3.0	1.5	4.5	15.0	69.2	106.9	173.1	191.1	198.7
97.5°	13.5	12.0	3.0	3.0	4.5	12.0	54.2	84.3	114.4	129.4	140.0
100°	15.0	15.0	3.0	3.0	4.5	7.5	27.1	46.7	36.1	34.6	39.1
102.5°	16.6	16.6	3.0	3.0	3.0	4.5	9.0	19.6	7.5	7.5	12.0
105°	16.6	16.6	3.0	3.0	3.0	3.0	3.0	7.5	6.0	7.5	13.5
107.5°	15.0	16.6	3.0	4.5	4.5	3.0	3.0	3.0	6.0	9.0	13.5
110°	13.5	13.5	3.0	4.5	4.5	3.0	1.5	3.0	6.0	9.0	15.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	10.5	7.5	1.5	4.5	3.0	3.0	1.5	3.0	7.5	10.5	15.0
115°	4.5	3.0	1.5	3.0	3.0	3.0	1.5	3.0	7.5	12.0	15.0
117.5°	3.0	1.5	1.5	1.5	1.5	3.0	1.5	4.5	10.5	13.5	18.1
120°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5	13.5	15.0	21.1
122.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	13.5	15.0	21.1
125°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	10.5	13.5	18.1
127.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	7.5	10.5	15.0
130°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	7.5	9.0	12.0
132.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5	6.0	9.0
135°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	6.0
137.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
140°	1.5	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	1.5	1.5	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5
150°	3.0	4.5	7.5	6.0	3.0	1.5	3.0	1.5	1.5	1.5	1.5
152.5°	7.5	7.5	6.0	6.0	1.5	1.5	3.0	3.0	1.5	1.5	1.5
155°	6.0	6.0	4.5	1.5	1.5	1.5	1.5	3.0	4.5	6.0	4.5
157.5°	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
160°	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	428.9	428.9	428.9	428.9	428.9	428.9	428.9	428.9	428.9	428.9	428.9
2.5°	430.4	415.4	382.3	356.7	329.6	314.5	285.9	261.9	243.8	240.8	240.8
5°	430.4	400.3	341.6	278.4	219.7	189.6	173.1	162.5	155.0	152.0	150.5
7.5°	385.3	346.1	267.9	194.1	168.6	141.5	121.9	106.9	93.3	88.8	84.3
10°	337.1	289.0	182.1	133.9	106.9	88.8	79.8	75.2	70.7	69.2	69.2
12.5°	299.5	249.8	146.0	109.9	75.2	63.2	60.2	57.2	55.7	54.2	52.7
15°	365.7	299.5	152.0	75.2	52.7	45.1	42.1	43.6	46.7	46.7	46.7
17.5°	338.6	263.4	126.4	57.2	43.6	33.1	36.1	39.1	42.1	37.6	36.1
20°	404.8	310.0	123.4	45.1	36.1	33.1	31.6	27.1	34.6	34.6	34.6
22.5°	293.5	234.8	93.3	42.1	30.1	28.6	24.1	27.1	28.6	24.1	24.1
25°	434.9	305.5	91.8	33.1	30.1	22.6	24.1	19.6	24.1	24.1	24.1
27.5°	538.8	361.2	81.3	34.6	25.6	22.6	18.1	19.6	18.1	18.1	18.1
30°	641.1	406.3	73.7	34.6	24.1	18.1	16.6	15.0	18.1	18.1	18.1
32.5°	671.2	395.8	58.7	36.1	22.6	16.6	13.5	15.0	15.0	16.6	16.6
35°	705.8	386.8	49.7	31.6	21.1	15.0	12.0	13.5	15.0	16.6	16.6
37.5°	738.9	371.7	45.1	28.6	18.1	13.5	10.5	12.0	31.6	34.6	34.6
40°	781.1	353.7	42.1	25.6	15.0	10.5	9.0	24.1	28.6	33.1	33.1
42.5°	841.3	343.1	39.1	24.1	13.5	9.0	9.0	21.1	40.6	45.1	45.1
45°	890.9	325.1	37.6	21.1	12.0	7.5	15.0	28.6	33.1	42.1	40.6
47.5°	952.6	308.5	36.1	19.6	10.5	7.5	16.6	30.1	42.1	48.2	48.2
50°	1018.9	299.5	34.6	18.1	10.5	7.5	28.6	28.6	34.6	54.2	54.2
52.5°	1103.1	293.5	31.6	15.0	9.0	15.0	39.1	34.6	42.1	55.7	55.7
55°	1143.8	273.9	30.1	13.5	7.5	15.0	42.1	39.1	43.6	58.7	58.7
57.5°	1179.9	254.3	27.1	13.5	7.5	19.6	45.1	49.7	42.1	51.2	57.2
60°	1213.0	234.8	24.1	12.0	7.5	24.1	49.7	69.2	58.7	69.2	69.2
62.5°	1289.7	219.7	21.1	13.5	6.0	27.1	64.7	84.3	66.2	84.3	82.8
65°	1362.0	201.7	19.6	12.0	7.5	31.6	70.7	97.8	72.2	97.8	97.8
67.5°	1390.6	179.1	18.1	12.0	7.5	36.1	70.7	108.4	85.8	109.9	111.4
70°	1340.9	147.5	16.6	13.5	9.0	40.6	73.7	115.9	91.8	127.9	127.9
72.5°	1139.2	100.8	16.6	15.0	18.1	45.1	87.3	120.4	96.3	153.5	155.0
75°	850.3	57.2	18.1	16.6	19.6	51.2	96.3	124.9	100.8	155.0	155.0
77.5°	484.6	39.1	18.1	19.6	24.1	51.2	100.8	129.4	99.3	152.0	149.0
80°	168.6	28.6	18.1	22.6	30.1	51.2	102.3	127.9	96.3	141.5	141.5
82.5°	114.4	24.1	18.1	22.6	36.1	54.2	100.8	120.4	85.8	118.9	114.4
85°	106.9	19.6	19.6	24.1	39.1	54.2	91.8	103.8	72.2	88.8	87.3
87.5°	105.3	18.1	22.6	25.6	42.1	49.7	78.3	85.8	58.7	72.2	70.7
90°	109.9	18.1	24.1	27.1	39.1	40.6	63.2	72.2	48.2	57.2	55.7
92.5°	117.4	18.1	25.6	30.1	34.6	30.1	51.2	57.2	40.6	43.6	42.1
95°	124.9	18.1	28.6	31.6	28.6	22.6	39.1	46.7	33.1	31.6	31.6
97.5°	82.8	13.5	30.1	31.6	24.1	16.6	30.1	36.1	19.6	16.6	16.6
100°	27.1	10.5	31.6	33.1	22.6	12.0	25.6	27.1	15.0	7.5	7.5
102.5°	12.0	10.5	28.6	28.6	19.6	9.0	18.1	19.6	10.5	3.0	3.0
105°	10.5	6.0	16.6	21.1	13.5	4.5	9.0	10.5	6.0	3.0	3.0
107.5°	12.0	6.0	9.0	12.0	6.0	4.5	4.5	4.5	3.0	3.0	3.0
110°	12.0	6.0	4.5	7.5	6.0	4.5	3.0	3.0	3.0	4.5	4.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.5	6.0	4.5	6.0	4.5	4.5	3.0	3.0	6.0	10.5	10.5
115°	13.5	6.0	4.5	6.0	4.5	4.5	3.0	1.5	6.0	15.0	16.6
117.5°	15.0	7.5	3.0	4.5	3.0	3.0	3.0	1.5	7.5	19.6	19.6
120°	18.1	7.5	3.0	3.0	3.0	1.5	3.0	3.0	7.5	21.1	21.1
122.5°	18.1	9.0	3.0	3.0	3.0	1.5	1.5	3.0	9.0	19.6	21.1
125°	15.0	7.5	3.0	3.0	3.0	1.5	1.5	3.0	9.0	18.1	21.1
127.5°	12.0	7.5	3.0	3.0	3.0	1.5	1.5	3.0	9.0	15.0	16.6
130°	10.5	6.0	3.0	3.0	3.0	1.5	1.5	3.0	7.5	12.0	13.5
132.5°	7.5	4.5	3.0	3.0	3.0	1.5	1.5	1.5	7.5	12.0	12.0
135°	6.0	4.5	3.0	3.0	3.0	1.5	1.5	1.5	6.0	9.0	9.0
137.5°	3.0	1.5	3.0	3.0	3.0	1.5	1.5	1.5	4.5	4.5	4.5
140°	1.5	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	3.0	1.5
142.5°	1.5	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	1.5	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	1.5	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
152.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
155°	3.0	3.0	1.5	3.0	1.5	1.5	0.0	1.5	1.5	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
160°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
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)