

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: P561323

Luminaire Tested: **SDL-PA1-90-827-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-827-U-SL3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5902.8 lumens
Efficiency: N/A
Efficacy: 63.9 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): 92.4
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

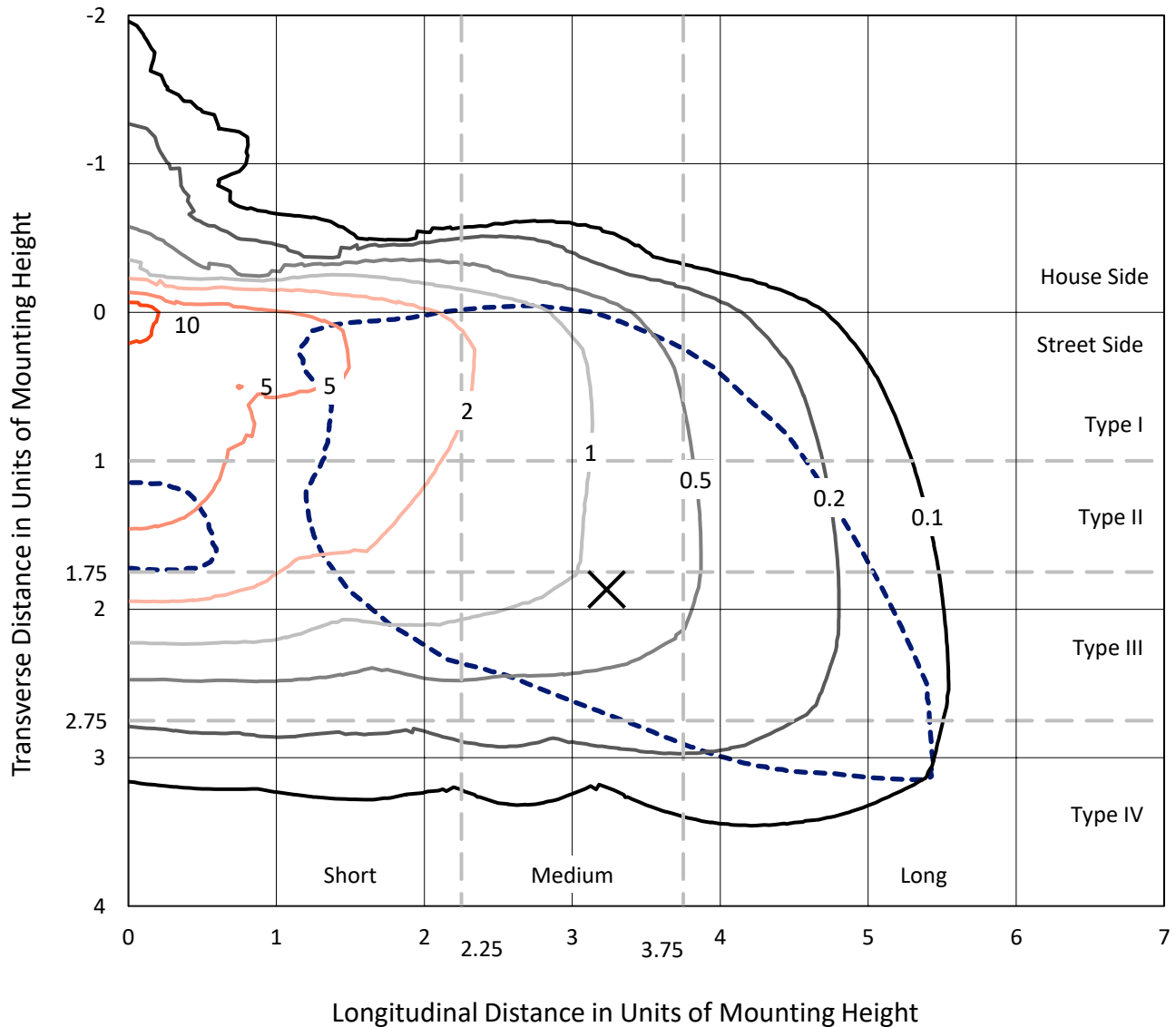


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

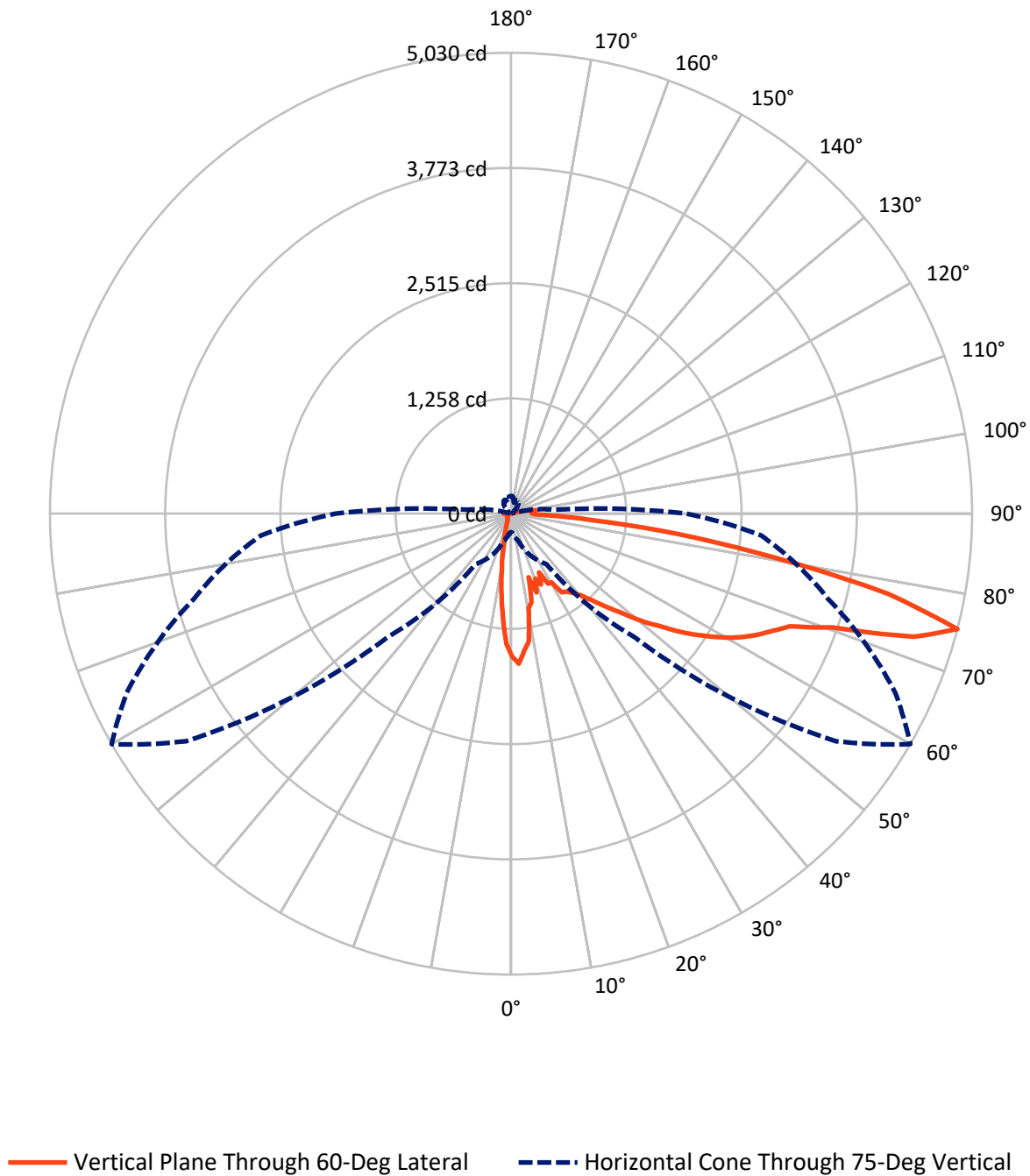


Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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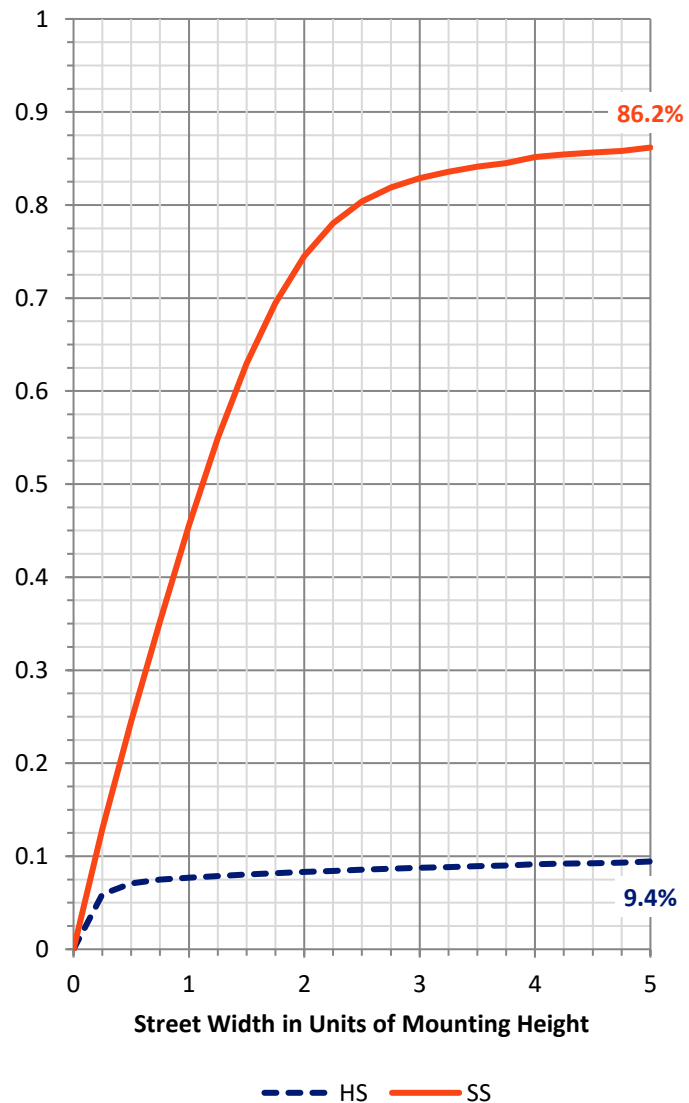
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	610.0	79.5	689.5
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	5130.1	83.1	5213.2
	% Fixture	86.9	1.4	88.3
Total	Lumens	5740.1	162.7	5902.8
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	1.8
10°-20°	177.6	3.0
20°-30°	251.1	4.3
30°-40°	451.3	7.6
40°-50°	760.4	12.9
50°-60°	1182.7	20.0
60°-70°	1395.6	23.6
70°-80°	1132.1	19.2
80°-90°	281.1	4.8
90°-100°	113.5	1.9
100°-110°	26.3	0.4
110°-120°	8.2	0.1
120°-130°	7.3	0.1
130°-140°	3.9	0.1
140°-150°	1.9	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5740.1	97.2
0°-180°	5902.8	100.0

Coefficient of Utilization



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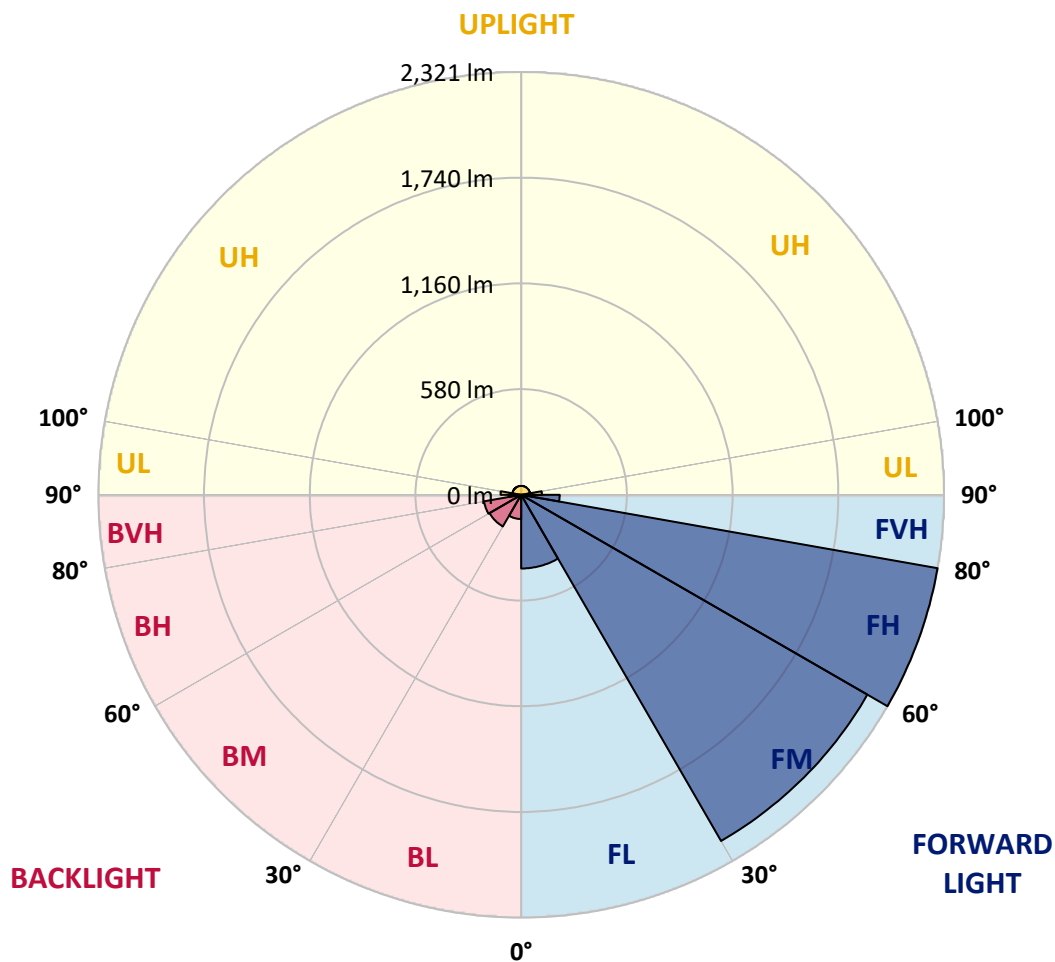
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	404.3	6.8			
FM	(30°-60°)	2193.8	37.2			
FH	(60°-80°)	2320.6	39.3			G2/5000
FVH	(80°-90°)	211.3	3.6			G2/225
BL	(0°-30°)	132.7	2.2	B1/500		
BM	(30°-60°)	200.5	3.4	B0/220		
BH	(60°-80°)	207.1	3.5	B1/500		G1/500
BVH	(80°-90°)	69.8	1.2			G1/100
UL	(90°-100°)	113.5	1.9		U3/500	
UH	(100°-180°)	49.2	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°	55°	60°	65°	75°	85°
0°	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4
2.5°	1467.6	1579.5	1546.7	1650.4	1664.0	1658.6	1653.1	1639.5	1625.8	1601.3	1563.1
5°	1407.6	1418.5	1410.3	1429.4	1432.1	1440.3	1426.7	1503.1	1631.3	1598.5	1538.5
7.5°	1156.6	1271.2	1284.8	1320.3	1353.0	1385.8	1404.9	1402.1	1238.5	1391.2	1323.0
10°	1181.2	1197.5	1194.8	1219.4	1192.1	1145.7	1044.8	1047.5	1047.5	1080.2	1115.7
12.5°	935.7	984.8	1104.8	1143.0	1061.2	965.7	973.9	993.0	1006.6	853.8	941.1
15°	1061.2	1063.9	1066.6	1066.6	799.3	913.8	796.5	720.2	823.8	1009.3	1025.7
17.5°	832.0	823.8	960.2	949.3	881.1	679.2	883.8	902.9	867.5	848.4	853.8
20°	976.6	976.6	968.4	772.0	812.9	875.7	758.4	755.6	799.3	993.0	1003.9
22.5°	791.1	782.9	826.6	859.3	772.0	834.7	747.4	840.2	930.2	878.4	717.4
25°	990.2	990.2	957.5	744.7	799.3	717.4	829.3	712.0	791.1	1074.8	1023.0
27.5°	916.6	892.0	815.6	845.6	717.4	834.7	763.8	864.7	913.8	1113.0	1192.1
30°	1183.9	1175.7	1088.4	851.1	815.6	766.5	821.1	870.2	1053.0	1443.1	1377.6
32.5°	1579.5	1535.8	1238.5	1053.0	856.6	908.4	875.7	1023.0	1156.6	1475.8	1396.7
35°	1685.8	1653.1	1511.3	1279.4	960.2	960.2	941.1	1044.8	1186.6	1546.7	1437.6
37.5°	1721.3	1718.6	1669.5	1399.4	1102.1	1104.8	995.7	1096.6	1246.6	1642.2	1497.6
40°	1743.1	1748.6	1797.7	1524.9	1252.1	1246.6	1096.6	1170.3	1339.4	1745.9	1606.7
42.5°	1835.9	1865.9	1925.9	1664.0	1394.0	1396.7	1219.4	1287.6	1462.2	1917.7	1756.8
45°	2043.2	2051.4	2086.8	1855.0	1527.6	1546.7	1374.9	1445.8	1612.2	2105.9	1925.9
47.5°	2356.9	2356.9	2296.9	2005.0	1685.8	1713.1	1538.5	1612.2	1789.5	2381.5	2122.3
50°	2635.1	2613.3	2482.4	2182.3	1814.0	1874.1	1754.0	1838.6	1939.5	2591.5	2367.8
52.5°	2809.7	2801.5	2640.6	2302.3	1950.4	2051.4	1931.3	2040.5	2114.1	2809.7	2588.8
55°	2785.2	2785.2	2681.5	2365.1	2075.9	2212.3	2160.5	2296.9	2324.2	3017.1	2749.7
57.5°	2692.4	2706.1	2657.0	2389.6	2100.5	2365.1	2395.1	2523.3	2569.7	3137.1	2850.6
60°	2504.2	2531.5	2583.3	2422.4	2196.0	2536.9	2635.1	2749.7	2837.0	3227.1	2935.2
62.5°	2152.3	2187.8	2370.5	2419.6	2269.6	2714.3	2839.7	2940.7	3022.5	3276.2	2995.2
65°	1631.3	1696.8	1961.4	2245.1	2264.2	2921.6	3006.1	3104.3	3183.5	3325.3	3150.7
67.5°	1042.1	1044.8	1331.2	1855.0	2111.4	3213.5	3229.8	3278.9	3330.8	3461.7	3371.7
70°	537.4	564.7	701.1	1183.9	1729.5	3273.5	3789.0	3718.1	3639.0	3759.0	3658.1
72.5°	357.4	387.4	461.0	638.3	1085.7	2951.6	4397.4	4593.8	4244.6	3980.0	3407.1
75°	201.9	218.2	308.3	504.7	671.1	1906.8	4329.2	5030.2	4626.5	3576.3	2738.8
77.5°	90.0	95.5	139.1	395.5	575.6	930.2	3407.1	4203.7	4042.7	2981.6	1975.0
80°	49.1	49.1	65.5	182.8	488.3	701.1	2261.4	2927.0	2749.7	1797.7	897.5
82.5°	27.3	30.0	38.2	87.3	297.3	641.1	1429.4	1835.9	1451.2	493.7	362.8
85°	10.9	10.9	16.4	46.4	109.1	542.9	782.9	872.9	586.5	251.0	281.0
87.5°	5.5	5.5	5.5	16.4	35.5	139.1	256.4	275.5	215.5	199.1	242.8
90°	8.2	8.2	5.5	5.5	24.6	147.3	215.5	226.4	177.3	199.1	245.5
92.5°	10.9	8.2	5.5	5.5	19.1	147.3	245.5	242.8	177.3	199.1	253.7
95°	13.6	10.9	5.5	5.5	19.1	130.9	294.6	264.6	191.0	201.9	267.3
97.5°	13.6	13.6	5.5	5.5	19.1	100.9	311.0	267.3	166.4	130.9	182.8
100°	16.4	16.4	5.5	5.5	21.8	60.0	215.5	199.1	117.3	43.6	51.8
102.5°	19.1	19.1	5.5	5.5	13.6	30.0	103.7	100.9	65.5	10.9	19.1
105°	19.1	21.8	5.5	5.5	5.5	13.6	38.2	46.4	32.7	10.9	19.1
107.5°	21.8	24.6	5.5	5.5	5.5	8.2	16.4	16.4	10.9	10.9	19.1
110°	21.8	21.8	5.5	5.5	5.5	5.5	5.5	5.5	5.5	10.9	19.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	16.4	16.4	2.7	5.5	5.5	5.5	2.7	5.5	5.5	8.2	16.4
115°	8.2	5.5	2.7	5.5	2.7	5.5	2.7	5.5	8.2	8.2	19.1
117.5°	2.7	2.7	2.7	2.7	2.7	5.5	2.7	5.5	5.5	13.6	24.6
120°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	5.5	19.1	30.0
122.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	5.5	19.1	35.5
125°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	5.5	13.6	32.7
127.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	5.5	13.6	27.3
130°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	5.5	10.9	24.6
132.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	10.9	19.1
135°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	13.6
137.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5
140°	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	2.7	5.5	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7
150°	10.9	10.9	10.9	8.2	5.5	2.7	8.2	5.5	2.7	2.7	2.7
152.5°	8.2	8.2	13.6	5.5	2.7	2.7	2.7	8.2	8.2	2.7	2.7
155°	8.2	8.2	5.5	2.7	2.7	2.7	2.7	2.7	2.7	8.2	10.9
157.5°	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	5.5	2.7
160°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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°	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4
2.5°	1549.4	1533.1	1489.4	1448.5	1399.4	1369.4	1265.7	1148.4	1123.9	1118.4	1099.3
5°	1511.3	1475.8	1391.2	1211.2	1031.1	949.3	911.1	881.1	840.2	832.0	821.1
7.5°	1282.1	1222.1	1091.2	870.2	842.9	766.5	703.8	652.0	540.1	510.1	493.7
10°	1066.6	1014.8	744.7	632.9	575.6	518.3	450.1	398.3	351.9	330.1	321.9
12.5°	862.0	810.2	556.5	501.9	357.4	294.6	256.4	212.8	177.3	158.2	158.2
15°	954.8	870.2	575.6	357.4	234.6	174.6	128.2	114.6	133.7	136.4	136.4
17.5°	780.2	695.6	452.8	278.2	171.9	95.5	103.7	117.3	128.2	111.8	114.6
20°	897.5	780.2	455.6	210.0	109.1	92.7	95.5	87.3	117.3	120.0	120.0
22.5°	679.2	613.8	343.7	166.4	84.6	87.3	81.8	98.2	109.1	95.5	92.7
25°	878.4	722.9	349.2	106.4	84.6	70.9	84.6	76.4	100.9	103.7	103.7
27.5°	1006.6	810.2	305.5	92.7	70.9	76.4	68.2	79.1	76.4	76.4	76.4
30°	1143.0	883.8	297.3	90.0	68.2	62.7	65.5	62.7	73.7	76.4	76.4
32.5°	1143.0	845.6	226.4	90.0	65.5	60.0	51.8	57.3	60.0	65.5	68.2
35°	1151.2	812.9	166.4	81.8	60.0	51.8	46.4	46.4	51.8	54.6	54.6
37.5°	1175.7	791.1	128.2	76.4	54.6	46.4	38.2	40.9	70.9	79.1	79.1
40°	1243.9	791.1	109.1	70.9	49.1	40.9	32.7	51.8	60.0	70.9	70.9
42.5°	1350.3	802.0	103.7	68.2	43.6	35.5	27.3	40.9	73.7	84.6	87.3
45°	1462.2	823.8	98.2	65.5	40.9	30.0	32.7	49.1	57.3	76.4	76.4
47.5°	1617.6	870.2	95.5	62.7	38.2	24.6	30.0	49.1	62.7	81.8	81.8
50°	1786.8	919.3	90.0	60.0	32.7	21.8	46.4	40.9	51.8	84.6	84.6
52.5°	1961.4	976.6	87.3	57.3	30.0	30.0	51.8	49.1	62.7	81.8	84.6
55°	2114.1	1023.0	81.8	57.3	27.3	27.3	54.6	49.1	57.3	76.4	79.1
57.5°	2187.8	1031.1	79.1	54.6	24.6	27.3	51.8	60.0	51.8	62.7	68.2
60°	2280.5	1053.0	70.9	49.1	21.8	35.5	60.0	79.1	70.9	81.8	87.3
62.5°	2367.8	1069.3	62.7	43.6	19.1	38.2	79.1	95.5	76.4	95.5	106.4
65°	2528.8	1104.8	51.8	35.5	16.4	43.6	90.0	114.6	84.6	111.8	111.8
67.5°	2752.4	1162.1	40.9	30.0	16.4	49.1	92.7	130.9	100.9	122.8	120.0
70°	2839.7	1069.3	35.5	27.3	16.4	57.3	100.9	141.9	106.4	136.4	136.4
72.5°	2476.9	772.0	30.0	27.3	27.3	65.5	125.5	155.5	117.3	171.9	169.1
75°	1912.3	485.6	30.0	27.3	32.7	81.8	141.9	166.4	125.5	191.0	188.2
77.5°	1273.9	229.1	30.0	30.0	38.2	90.0	152.8	177.3	139.1	212.8	210.0
80°	499.2	125.5	32.7	32.7	46.4	95.5	163.7	182.8	144.6	229.1	226.4
82.5°	240.1	87.3	32.7	32.7	62.7	106.4	174.6	191.0	150.0	231.9	229.1
85°	204.6	81.8	30.0	35.5	76.4	133.7	185.5	188.2	152.8	221.0	221.0
87.5°	182.8	79.1	30.0	35.5	103.7	155.5	193.7	185.5	163.7	215.5	215.5
90°	188.2	84.6	32.7	40.9	117.3	158.2	196.4	185.5	158.2	199.1	199.1
92.5°	201.9	90.0	35.5	43.6	117.3	147.3	182.8	166.4	147.3	169.1	166.4
95°	212.8	95.5	38.2	49.1	103.7	114.6	152.8	133.7	122.8	130.9	130.9
97.5°	163.7	73.7	43.6	54.6	79.1	68.2	95.5	87.3	65.5	54.6	54.6
100°	43.6	24.6	46.4	54.6	54.6	46.4	70.9	65.5	43.6	19.1	19.1
102.5°	16.4	16.4	43.6	51.8	43.6	35.5	51.8	49.1	35.5	5.5	5.5
105°	16.4	13.6	27.3	40.9	27.3	19.1	27.3	32.7	21.8	5.5	5.5
107.5°	16.4	13.6	16.4	24.6	10.9	8.2	10.9	10.9	10.9	2.7	5.5
110°	16.4	13.6	8.2	10.9	8.2	8.2	8.2	5.5	5.5	10.9	10.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.4	13.6	8.2	10.9	8.2	8.2	5.5	5.5	8.2	16.4	16.4
115°	16.4	13.6	8.2	8.2	5.5	8.2	5.5	2.7	8.2	19.1	21.8
117.5°	21.8	13.6	5.5	5.5	5.5	5.5	5.5	2.7	8.2	24.6	27.3
120°	27.3	16.4	5.5	5.5	5.5	2.7	5.5	2.7	10.9	24.6	27.3
122.5°	30.0	19.1	5.5	5.5	5.5	2.7	2.7	5.5	10.9	24.6	24.6
125°	30.0	19.1	5.5	5.5	2.7	2.7	2.7	2.7	10.9	24.6	27.3
127.5°	24.6	16.4	5.5	5.5	2.7	2.7	2.7	2.7	10.9	21.8	24.6
130°	21.8	16.4	5.5	5.5	2.7	2.7	2.7	2.7	10.9	19.1	21.8
132.5°	16.4	13.6	5.5	2.7	2.7	2.7	2.7	2.7	10.9	16.4	19.1
135°	13.6	8.2	5.5	2.7	2.7	2.7	2.7	2.7	8.2	16.4	16.4
137.5°	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7	5.5	8.2	8.2
140°	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	5.5
142.5°	2.7	5.5	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
145°	2.7	5.5	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
147.5°	2.7	5.5	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
150°	2.7	5.5	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.5
152.5°	2.7	5.5	2.7	2.7	2.7	0.0	0.0	2.7	2.7	2.7	2.7
155°	10.9	8.2	5.5	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7
157.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7
160°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7
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)