

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: P561190

Luminaire Tested: **SDL-PA1-90-722-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561190
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-PA1-90-722-U-SL3-A
Description: Springdale
(1) 70 CRI, 2200K, 1180mA 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: 6993.9 lumens
Efficiency: N/A
Efficacy: 75.7 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 - G3

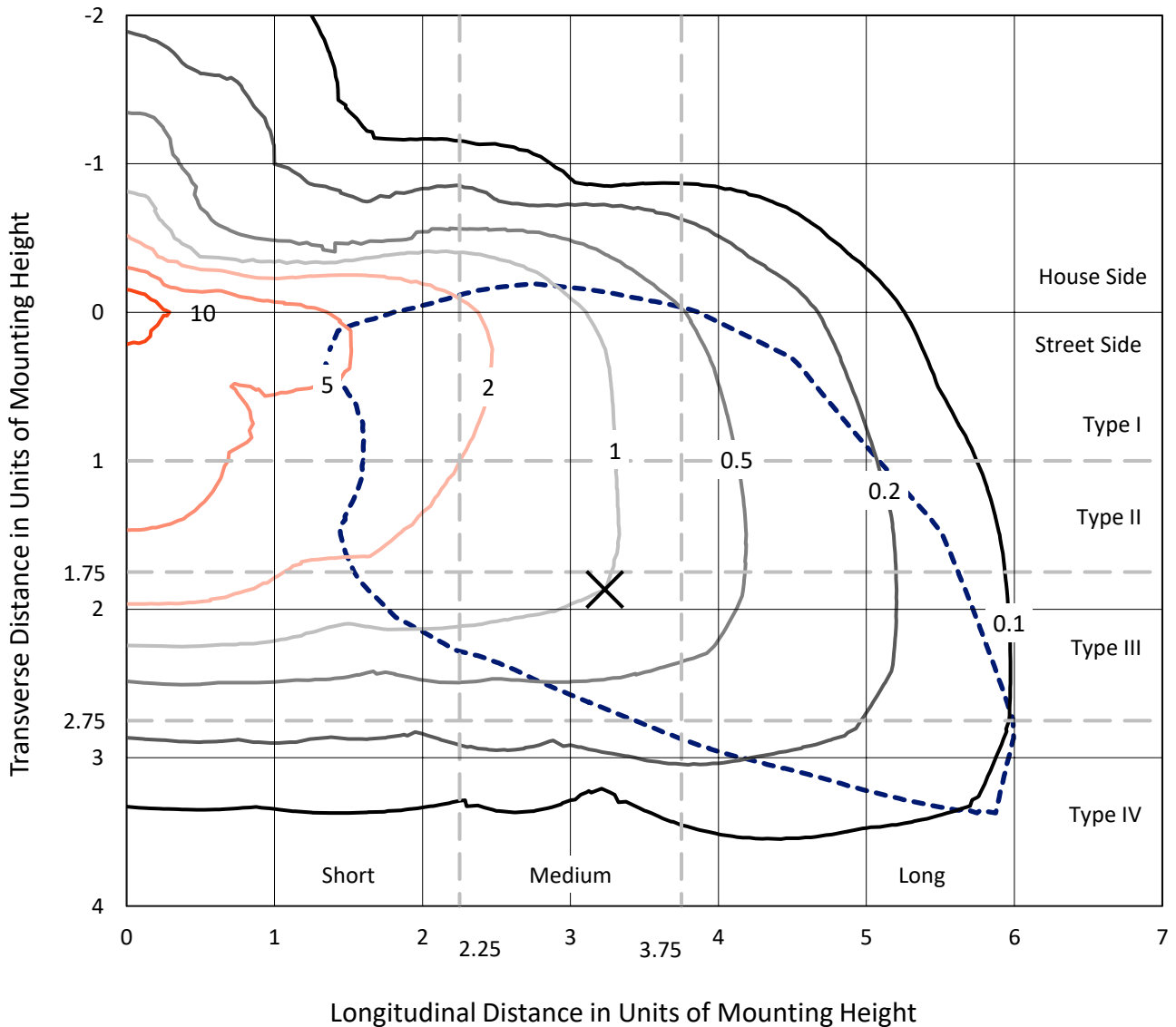
Input Watts (W): 92.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

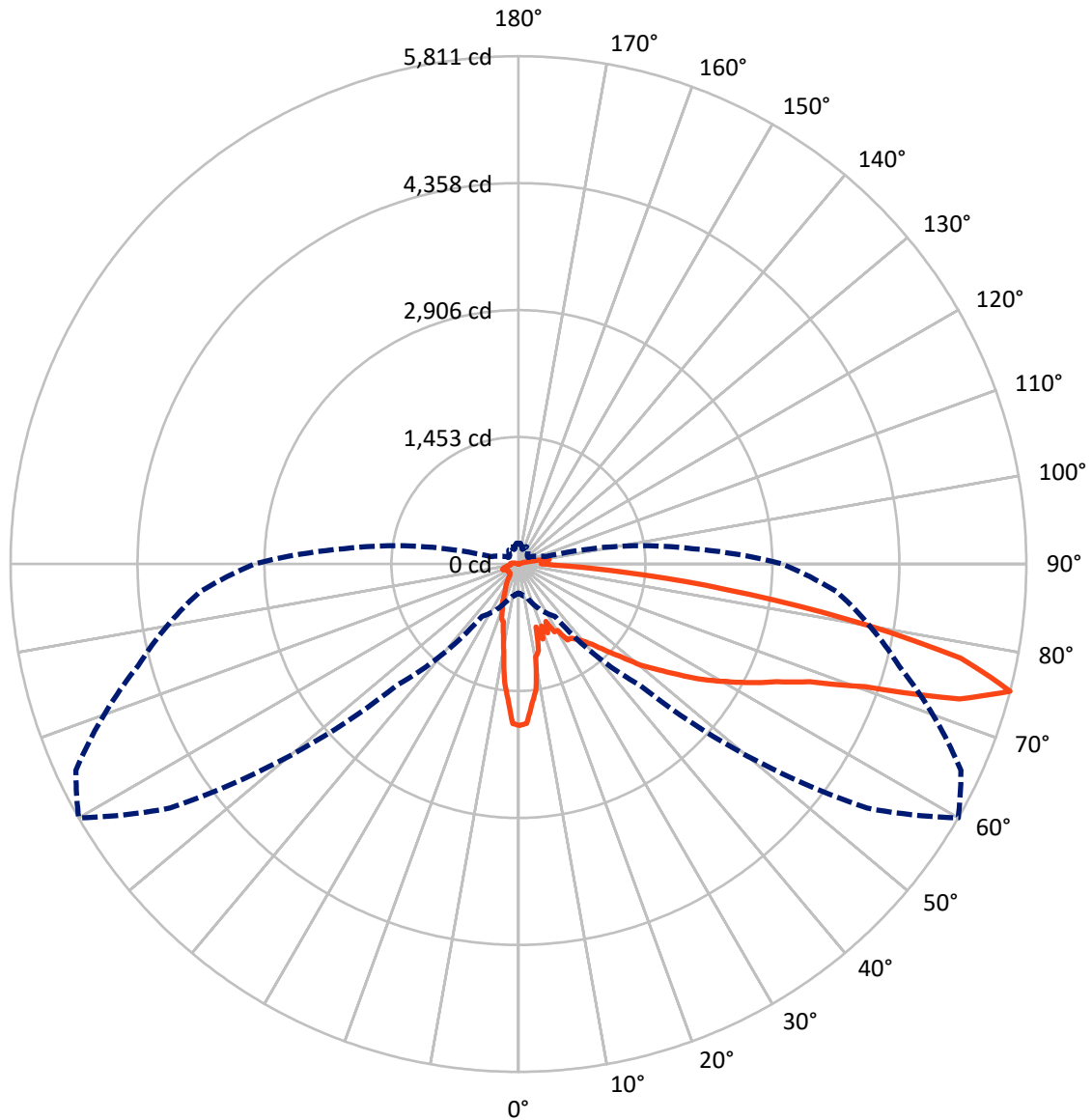
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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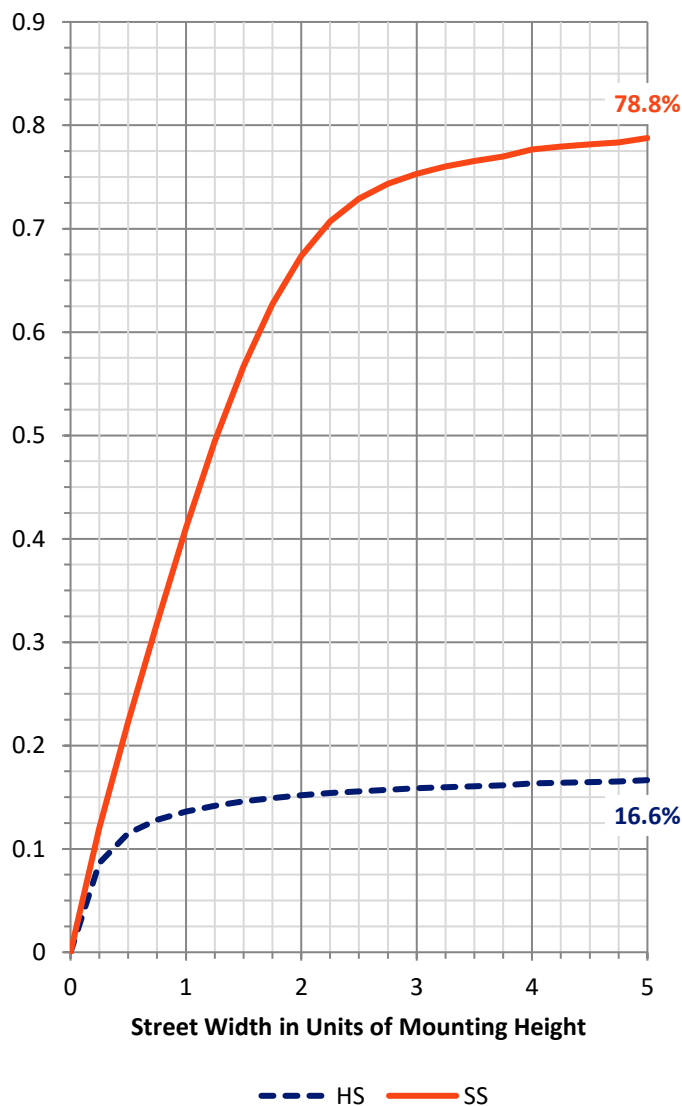
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1227.8	93.1	1320.9
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	5574.5	98.4	5673.0
	% Fixture	79.7	1.4	81.1
Total	Lumens	6802.3	191.5	6993.9
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.9	1.9
10°-20°	241.9	3.5
20°-30°	313.5	4.5
30°-40°	522.4	7.5
40°-50°	836.4	12.0
50°-60°	1284.1	18.4
60°-70°	1604.4	22.9
70°-80°	1463.4	20.9
80°-90°	400.4	5.7
90°-100°	134.5	1.9
100°-110°	30.6	0.4
110°-120°	9.7	0.1
120°-130°	9.0	0.1
130°-140°	4.3	0.1
140°-150°	1.8	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6802.3	97.3
0°-180°	6993.9	100.0

Coefficient of Utilization



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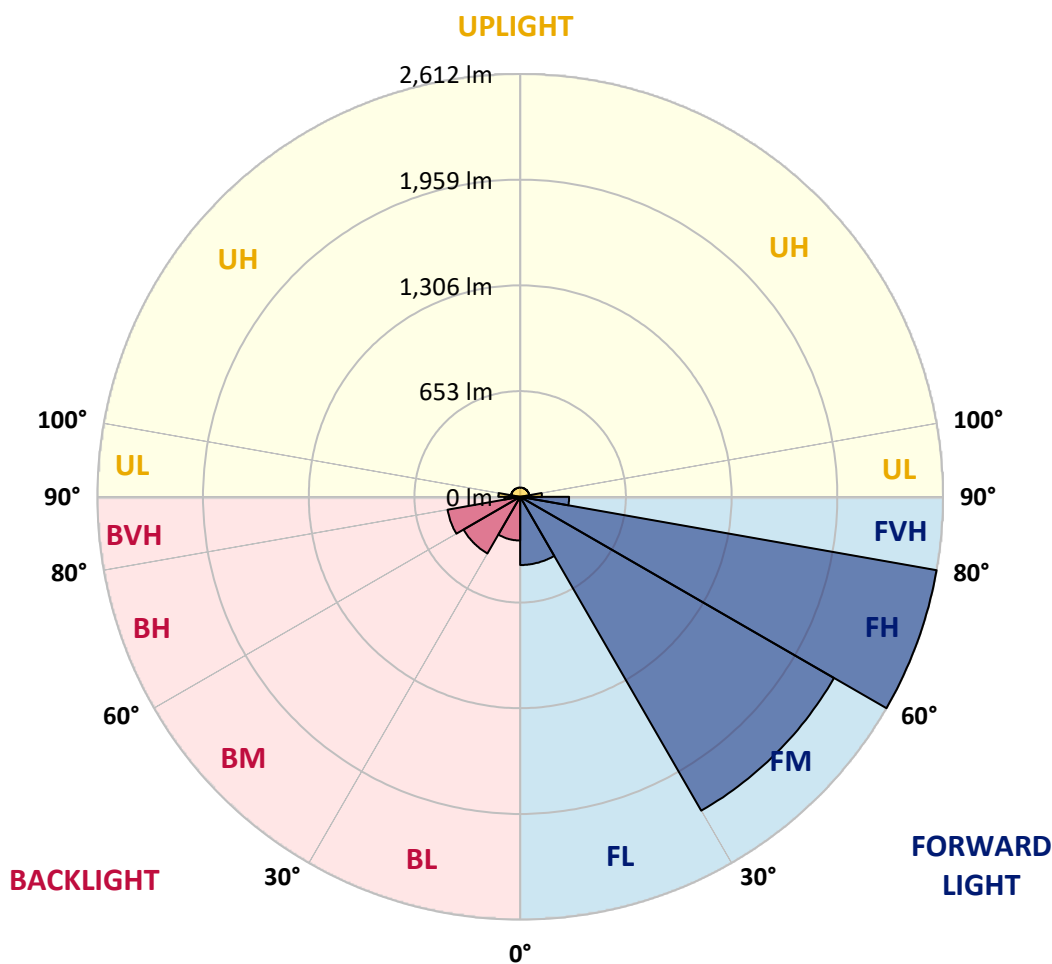
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	421.3	6.0			
FM	(30°-60°)	2238.8	32.0			
FH	(60°-80°)	2612.3	37.4			G2/5000
FVH	(80°-90°)	302.2	4.3			G3/500
BL	(0°-30°)	269.9	3.9	B1/500		
BM	(30°-60°)	404.0	5.8	B1/1000		
BH	(60°-80°)	455.6	6.5	B1/500		G1/500
BVH	(80°-90°)	98.3	1.4			G1/100
UL	(90°-100°)	134.5	1.9		U3/500	
UH	(100°-180°)	57.1	0.8		U3/500	

BUG Rating: B1-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1847.0	1847.0	1847.0	1847.0	1847.0	1847.0	1847.0	1847.0	1847.0	1847.0	1847.0
2.5°	1549.6	1694.2	1680.6	1792.4	1792.4	1817.0	1827.9	1825.1	1836.1	1847.0	1844.2
5°	1426.8	1429.6	1440.5	1465.0	1473.2	1481.4	1508.7	1604.2	1765.1	1803.3	1803.3
7.5°	1178.6	1244.0	1325.9	1339.5	1388.6	1413.2	1443.2	1448.7	1339.5	1536.0	1555.1
10°	1194.9	1197.7	1192.2	1222.2	1186.8	1173.1	1077.6	1083.1	1094.0	1167.7	1315.0
12.5°	935.8	990.3	1107.6	1162.2	1074.9	979.4	974.0	1020.3	1039.4	930.3	1159.5
15°	1069.4	1074.9	1077.6	1080.4	802.1	930.3	813.0	747.5	837.6	1055.8	1200.4
17.5°	837.6	843.0	971.2	968.5	883.9	714.8	883.9	903.0	867.6	897.6	1004.0
20°	982.1	984.9	976.7	758.4	774.8	875.7	761.2	758.4	802.1	1034.0	1167.7
22.5°	807.5	796.6	793.9	867.6	788.4	843.0	739.3	856.6	930.3	922.1	881.2
25°	1012.2	1009.4	968.5	755.7	807.5	714.8	864.8	725.7	804.8	1115.8	1167.7
27.5°	946.7	908.5	840.3	873.0	753.0	837.6	769.3	878.5	927.6	1145.8	1353.2
30°	1225.0	1197.7	1118.6	881.2	832.1	772.1	823.9	881.2	1055.8	1475.9	1546.9
32.5°	1617.8	1587.8	1304.1	1080.4	873.0	913.9	867.6	1034.0	1164.9	1506.0	1560.5
35°	1737.8	1696.9	1557.8	1309.5	1001.2	971.2	924.9	1042.2	1181.3	1585.1	1585.1
37.5°	1806.1	1803.3	1737.8	1445.9	1129.5	1113.1	995.8	1094.0	1246.8	1661.5	1645.1
40°	1817.0	1830.6	1860.6	1566.0	1282.2	1246.8	1088.5	1164.9	1339.5	1754.2	1721.5
42.5°	1907.0	1931.5	1999.8	1724.2	1435.0	1402.3	1197.7	1268.6	1440.5	1890.6	1882.4
45°	2051.6	2076.1	2136.2	1898.8	1568.7	1546.9	1375.0	1418.7	1604.2	2130.7	2054.3
47.5°	2351.7	2357.1	2332.6	2043.4	1713.3	1713.3	1546.9	1587.8	1751.5	2351.7	2278.0
50°	2651.8	2619.0	2509.9	2215.3	1857.9	1898.8	1724.2	1819.7	1917.9	2575.4	2474.5
52.5°	2818.2	2812.7	2665.4	2346.2	1983.4	2062.5	1928.8	2010.7	2070.7	2801.8	2660.0
55°	2823.7	2815.5	2714.5	2409.0	2100.7	2231.6	2133.4	2239.8	2283.5	2979.2	2913.7
57.5°	2733.6	2755.5	2703.6	2444.4	2158.0	2395.3	2381.7	2496.3	2518.1	3189.2	3088.3
60°	2591.8	2589.0	2651.8	2477.2	2245.3	2550.8	2610.9	2728.2	2845.5	3350.2	3243.8
62.5°	2237.1	2261.7	2439.0	2477.2	2340.8	2752.7	2867.3	2990.1	3134.7	3497.5	3382.9
65°	1751.5	1765.1	2043.4	2297.1	2368.1	3022.8	3126.5	3249.3	3402.0	3647.6	3538.4
67.5°	1058.5	1148.6	1388.6	1890.6	2228.9	3347.5	3538.4	3590.3	3677.6	3816.7	3767.6
70°	602.9	630.2	744.8	1189.5	1860.6	3451.1	4296.9	4204.1	4114.1	4146.8	4054.1
72.5°	458.3	474.7	526.5	703.9	1113.1	3047.4	4935.3	5279.0	4891.6	4490.6	4045.9
75°	332.8	349.2	401.0	567.5	731.2	1953.4	4869.8	5811.0	5587.3	4506.9	3658.5
77.5°	207.3	210.1	240.1	482.9	657.5	979.4	3811.3	5175.3	5273.6	4209.6	3033.7
80°	144.6	147.3	152.8	259.2	605.7	785.7	2559.0	3800.3	3939.5	2930.1	1546.9
82.5°	103.7	109.1	114.6	152.8	392.9	750.2	1593.3	2392.6	2108.9	1061.3	627.5
85°	54.6	60.0	73.7	92.8	158.2	815.7	954.9	1216.8	963.0	431.1	373.8
87.5°	21.8	19.1	16.4	24.6	43.7	313.7	371.0	409.2	316.5	242.8	297.4
90°	19.1	16.4	10.9	13.6	19.1	111.9	234.6	261.9	218.3	237.4	300.1
92.5°	19.1	16.4	10.9	10.9	19.1	111.9	281.0	286.5	226.4	242.8	313.7
95°	19.1	19.1	10.9	10.9	19.1	100.9	332.8	327.4	234.6	256.4	332.8
97.5°	19.1	19.1	8.2	10.9	19.1	68.2	343.8	354.7	229.2	182.8	275.5
100°	19.1	19.1	8.2	8.2	16.4	43.7	240.1	259.2	169.1	60.0	68.2
102.5°	19.1	19.1	8.2	8.2	10.9	30.0	106.4	128.2	100.9	19.1	21.8
105°	19.1	21.8	5.5	5.5	8.2	16.4	46.4	51.8	40.9	13.6	24.6
107.5°	21.8	24.6	5.5	5.5	5.5	8.2	16.4	19.1	10.9	10.9	24.6
110°	24.6	24.6	5.5	5.5	5.5	8.2	5.5	5.5	8.2	10.9	27.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	19.1	16.4	2.7	5.5	5.5	5.5	5.5	5.5	5.5	10.9	27.3
115°	10.9	8.2	2.7	5.5	5.5	5.5	2.7	5.5	8.2	10.9	24.6
117.5°	10.9	8.2	2.7	2.7	2.7	5.5	2.7	2.7	8.2	13.6	30.0
120°	8.2	8.2	2.7	2.7	2.7	2.7	2.7	5.5	5.5	19.1	40.9
122.5°	8.2	8.2	2.7	2.7	2.7	2.7	2.7	5.5	5.5	19.1	40.9
125°	10.9	10.9	5.5	2.7	2.7	2.7	2.7	5.5	5.5	16.4	38.2
127.5°	8.2	8.2	5.5	2.7	2.7	2.7	2.7	5.5	5.5	13.6	30.0
130°	8.2	8.2	5.5	2.7	2.7	2.7	2.7	5.5	2.7	13.6	24.6
132.5°	8.2	8.2	5.5	2.7	2.7	2.7	2.7	2.7	2.7	8.2	19.1
135°	8.2	8.2	5.5	2.7	2.7	2.7	2.7	2.7	2.7	5.5	13.6
137.5°	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5
140°	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	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	5.5	2.7	2.7	2.7	2.7	2.7
150°	5.5	5.5	10.9	8.2	5.5	2.7	2.7	2.7	2.7	2.7	2.7
152.5°	10.9	10.9	10.9	8.2	2.7	2.7	5.5	8.2	2.7	2.7	2.7
155°	8.2	8.2	8.2	2.7	2.7	2.7	2.7	2.7	5.5	8.2	8.2
157.5°	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	2.7	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°	1847.0	1847.0	1847.0	1847.0	1847.0	1847.0	1847.0	1847.0	1847.0	1847.0	1847.0
2.5°	1836.1	1841.5	1836.1	1830.6	1825.1	1808.8	1696.9	1560.5	1549.6	1560.5	1555.1
5°	1789.7	1789.7	1787.0	1598.7	1486.9	1454.1	1445.9	1437.7	1421.4	1413.2	1418.7
7.5°	1544.1	1536.0	1440.5	1271.3	1377.7	1339.5	1317.7	1306.8	1143.1	1083.1	1088.5
10°	1290.4	1290.4	1072.2	1012.2	1006.7	1023.1	1134.9	1126.7	1104.9	1091.3	1104.9
12.5°	1113.1	1159.5	851.2	911.2	739.3	818.5	894.8	949.4	783.0	736.6	744.8
15°	1181.3	1164.9	935.8	714.8	652.0	687.5	551.1	690.2	679.3	657.5	654.8
17.5°	1031.3	946.7	780.3	671.1	643.8	485.6	472.0	488.3	447.4	409.2	428.3
20°	1121.3	1074.9	826.6	597.5	496.5	442.0	332.8	311.0	395.6	414.7	412.0
22.5°	935.8	780.3	676.6	594.7	401.0	316.5	251.0	275.5	294.6	313.7	321.9
25°	1099.5	1014.9	739.3	444.7	324.7	231.9	226.4	204.6	308.3	351.9	349.2
27.5°	1268.6	1148.6	712.1	417.4	234.6	199.2	182.8	207.3	215.5	242.8	259.2
30°	1418.7	1274.1	823.9	387.4	196.4	150.0	163.7	169.1	210.1	226.4	226.4
32.5°	1413.2	1238.6	736.6	330.1	161.0	136.4	136.4	161.0	185.5	223.7	226.4
35°	1410.5	1211.3	657.5	256.4	141.9	120.0	125.5	152.8	185.5	207.3	210.1
37.5°	1443.2	1203.1	578.4	207.3	128.2	114.6	120.0	144.6	199.2	221.0	221.0
40°	1492.3	1208.6	499.3	177.3	122.8	111.9	114.6	152.8	180.1	199.2	199.2
42.5°	1642.4	1287.7	431.1	163.7	122.8	109.1	109.1	141.9	182.8	215.5	218.3
45°	1754.2	1350.4	379.2	163.7	120.0	103.7	114.6	141.9	161.0	237.4	253.7
47.5°	1934.3	1465.0	330.1	163.7	120.0	100.9	106.4	139.1	169.1	272.8	283.7
50°	2114.3	1579.6	308.3	163.7	120.0	98.2	120.0	133.7	169.1	283.7	291.9
52.5°	2305.3	1721.5	294.6	163.7	120.0	103.7	131.0	161.0	182.8	253.7	251.0
55°	2501.7	1847.0	286.5	169.1	120.0	103.7	141.9	150.0	155.5	196.4	201.9
57.5°	2684.5	1999.8	302.8	169.1	117.3	109.1	133.7	147.3	136.4	171.9	174.6
60°	2829.1	2138.9	343.8	163.7	114.6	109.1	136.4	161.0	152.8	188.2	193.7
62.5°	2995.5	2286.2	439.2	166.4	114.6	111.9	152.8	174.6	155.5	185.5	196.4
65°	3213.8	2509.9	545.6	182.8	117.3	117.3	155.5	188.2	155.5	182.8	182.8
67.5°	3459.3	2717.3	545.6	212.8	125.5	125.5	155.5	199.2	166.4	182.8	182.8
70°	3639.4	2728.2	450.1	234.6	136.4	133.7	161.0	207.3	169.1	201.9	199.2
72.5°	3440.2	2430.8	373.8	231.9	147.3	139.1	182.8	212.8	171.9	229.2	226.4
75°	3020.1	2005.2	324.7	207.3	133.7	141.9	191.0	218.3	174.6	240.1	234.6
77.5°	2381.7	1462.3	275.5	174.6	117.3	136.4	196.4	223.7	180.1	253.7	251.0
80°	1154.0	733.9	223.7	147.3	106.4	131.0	196.4	221.0	177.3	261.9	261.9
82.5°	521.1	365.6	152.8	100.9	106.4	133.7	201.9	223.7	177.3	256.4	253.7
85°	338.3	251.0	98.2	79.1	106.4	152.8	204.6	212.8	169.1	237.4	237.4
87.5°	253.7	174.6	51.8	49.1	117.3	166.4	204.6	196.4	163.7	223.7	218.3
90°	259.2	185.5	54.6	49.1	125.5	169.1	204.6	193.7	158.2	201.9	201.9
92.5°	281.0	204.6	62.7	54.6	128.2	152.8	193.7	174.6	147.3	174.6	171.9
95°	305.6	229.2	73.7	62.7	111.9	111.9	152.8	141.9	125.5	133.7	133.7
97.5°	223.7	163.7	65.5	68.2	84.6	70.9	100.9	95.5	65.5	60.0	57.3
100°	65.5	54.6	60.0	65.5	60.0	51.8	76.4	73.7	43.7	21.8	21.8
102.5°	24.6	27.3	54.6	60.0	46.4	38.2	54.6	60.0	35.5	5.5	8.2
105°	21.8	19.1	38.2	46.4	27.3	21.8	27.3	38.2	21.8	5.5	5.5
107.5°	24.6	19.1	19.1	24.6	10.9	10.9	10.9	13.6	8.2	5.5	5.5
110°	24.6	19.1	10.9	10.9	8.2	8.2	8.2	5.5	5.5	5.5	5.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.6	19.1	10.9	10.9	8.2	8.2	5.5	5.5	8.2	13.6	13.6
115°	27.3	21.8	10.9	8.2	5.5	8.2	5.5	2.7	8.2	19.1	19.1
117.5°	32.7	24.6	8.2	8.2	5.5	5.5	5.5	2.7	8.2	24.6	27.3
120°	40.9	30.0	10.9	5.5	5.5	5.5	5.5	2.7	10.9	27.3	30.0
122.5°	40.9	32.7	10.9	5.5	5.5	2.7	2.7	5.5	10.9	27.3	30.0
125°	38.2	30.0	10.9	5.5	5.5	2.7	2.7	2.7	13.6	27.3	30.0
127.5°	30.0	27.3	10.9	5.5	2.7	2.7	2.7	5.5	10.9	24.6	24.6
130°	24.6	21.8	8.2	5.5	2.7	2.7	2.7	2.7	10.9	19.1	21.8
132.5°	19.1	16.4	8.2	5.5	2.7	2.7	2.7	2.7	10.9	19.1	19.1
135°	13.6	13.6	5.5	2.7	2.7	2.7	2.7	2.7	8.2	13.6	16.4
137.5°	5.5	5.5	5.5	2.7	2.7	2.7	2.7	2.7	5.5	8.2	8.2
140°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	5.5	5.5
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.5
145°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
150°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	5.5	5.5
155°	8.2	8.2	8.2	5.5	2.7	0.0	0.0	0.0	2.7	2.7	5.5
157.5°	2.7	2.7	2.7	2.7	2.7	2.7	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)