

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: P560688

Luminaire Tested: **SDL-PA1-60-727-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-727-U-T2R-A
Description: Springdale
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5138.7 lumens
Efficiency: N/A
Efficacy: 82.4 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: B1 - U3 - G2

Input Watts (W): 62.4
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

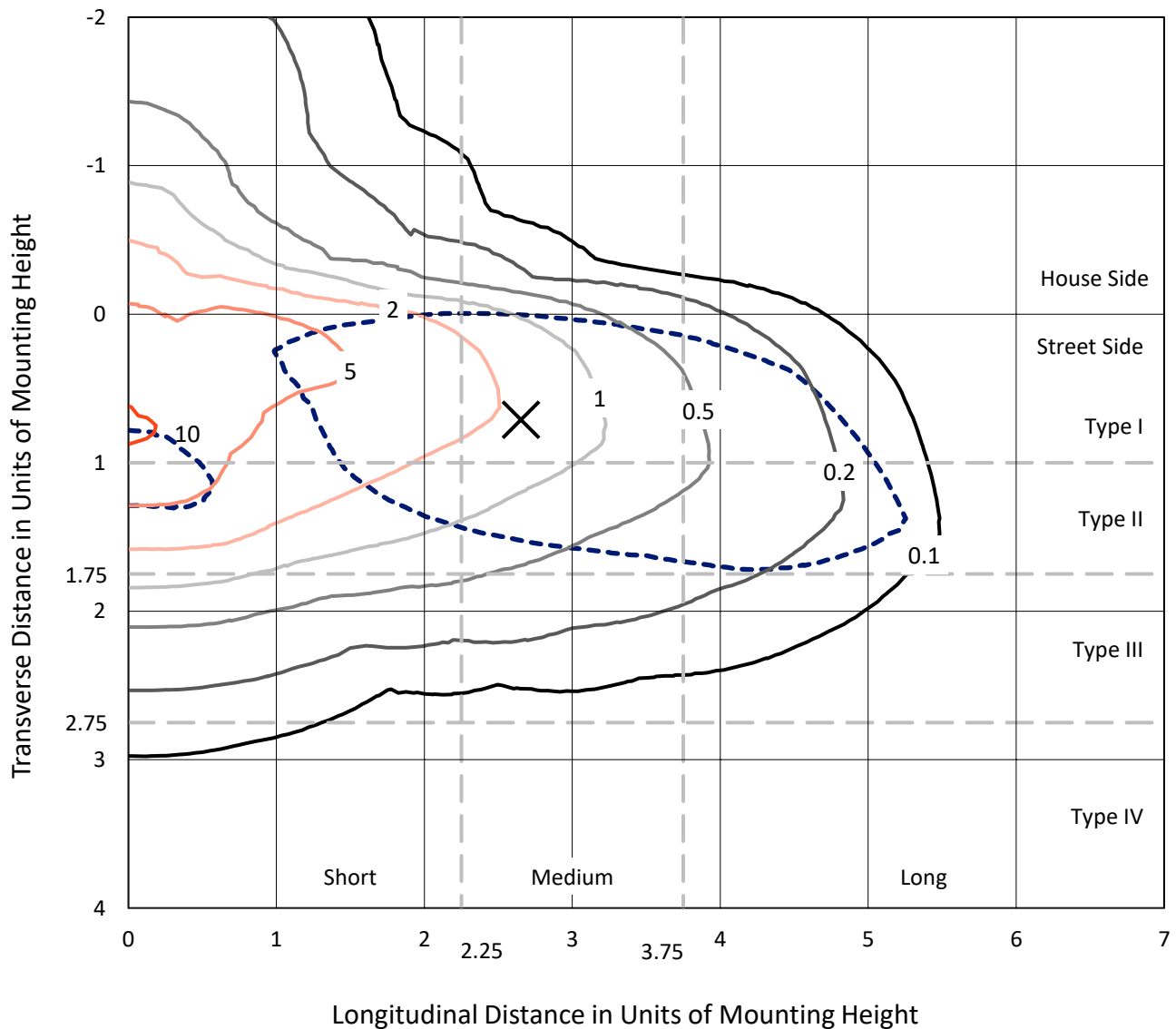


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

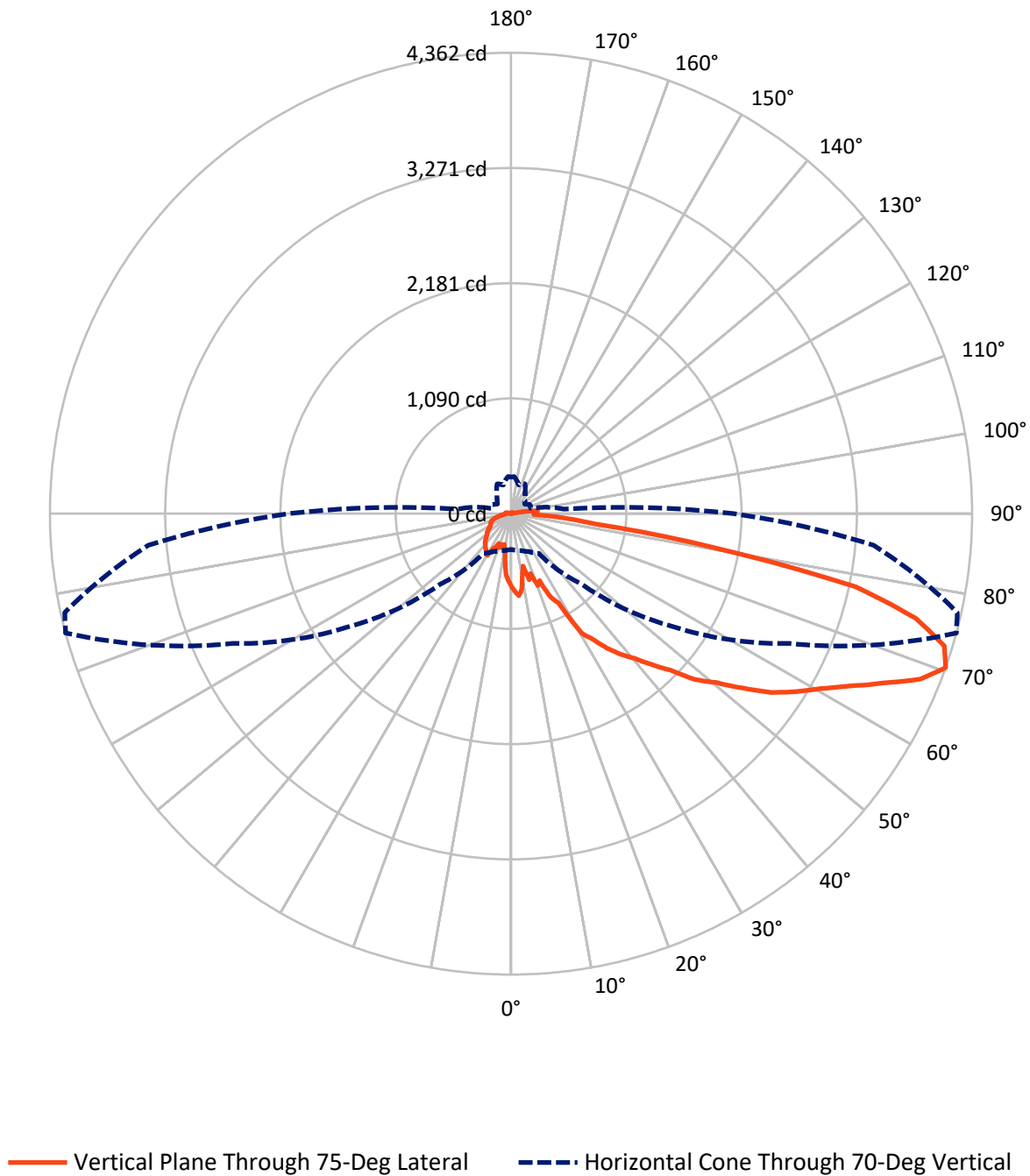


Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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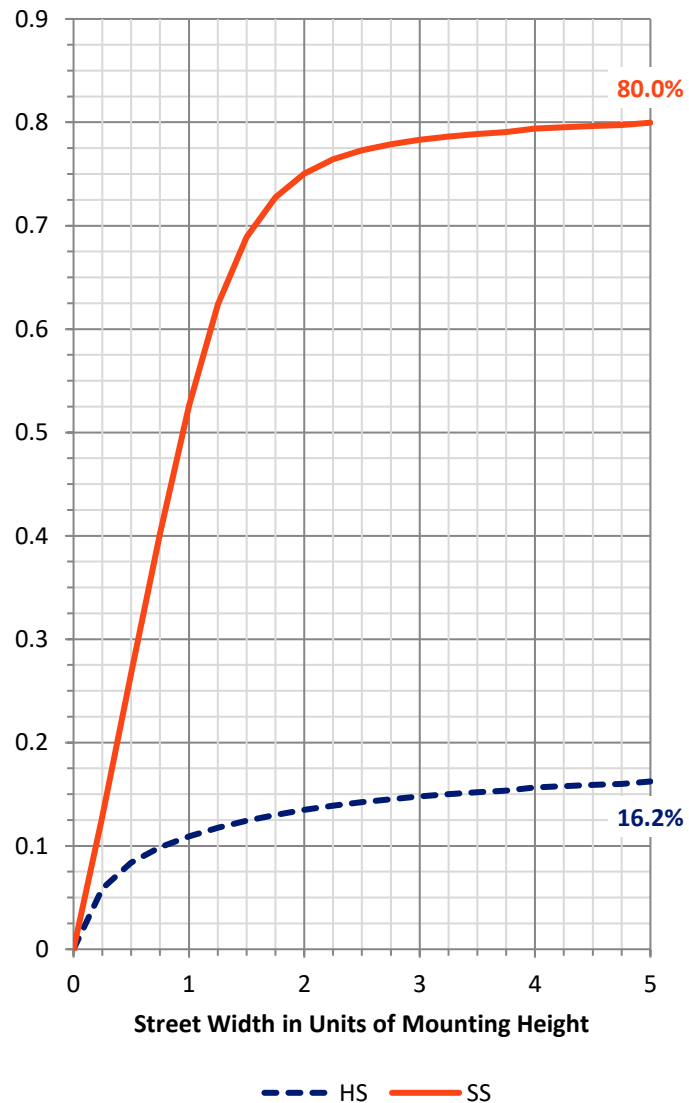
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	878.5	52.5	931.0
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	4141.3	66.4	4207.8
	% Fixture	80.6	1.3	81.9
Total	Lumens	5019.8	118.9	5138.7
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	1.1
10°-20°	149.9	2.9
20°-30°	270.6	5.3
30°-40°	552.9	10.8
40°-50°	868.3	16.9
50°-60°	1066.3	20.7
60°-70°	1060.5	20.6
70°-80°	784.4	15.3
80°-90°	209.6	4.1
90°-100°	77.5	1.5
100°-110°	18.1	0.4
110°-120°	8.6	0.2
120°-130°	7.6	0.1
130°-140°	3.7	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°	5019.8	97.7
0°-180°	5138.7	100.0

Coefficient of Utilization



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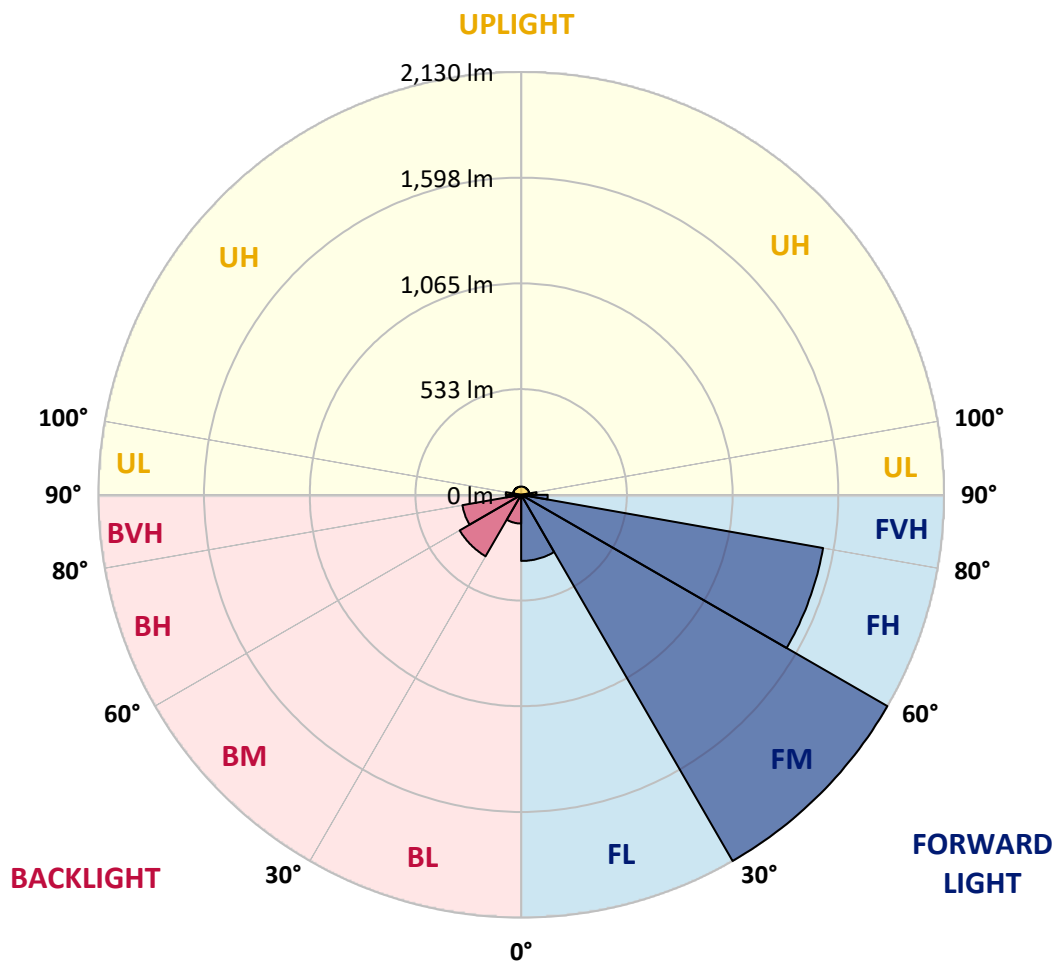
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.1	6.5			
FM	(30°-60°)	2130.1	41.5			
FH	(60°-80°)	1544.3	30.1			G1/1800
FVH	(80°-90°)	133.8	2.6			G2/225
BL	(0°-30°)	144.8	2.8	B1/500		
BM	(30°-60°)	357.4	7.0	B1/1000		
BH	(60°-80°)	300.5	5.8	B1/500		G1/500
BVH	(80°-90°)	75.8	1.5			G1/100
UL	(90°-100°)	77.5	1.5		U3/500	
UH	(100°-180°)	41.5	0.8		U2/50	

BUG Rating: B1-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8
2.5°	714.9	755.1	773.1	793.2	811.3	801.3	785.2	761.1	739.0	731.0	706.9
5°	789.2	785.2	783.2	777.2	767.1	749.0	727.0	813.3	779.2	765.1	724.9
7.5°	694.8	805.3	817.3	829.4	825.4	803.3	775.1	696.8	727.0	708.9	658.7
10°	849.5	849.5	845.4	849.5	803.3	767.1	656.7	610.5	588.4	636.6	590.4
12.5°	722.9	787.2	867.5	883.6	813.3	712.9	666.7	644.6	508.1	502.0	538.2
15°	841.4	851.5	853.5	857.5	692.8	747.0	616.5	572.3	648.6	630.6	636.6
17.5°	676.7	686.8	817.3	809.3	745.0	596.4	720.9	646.6	596.4	574.3	566.3
20°	851.5	853.5	847.4	684.8	718.9	779.2	674.7	654.7	727.0	724.9	694.8
22.5°	724.9	727.0	749.0	825.4	743.0	787.2	678.8	817.3	688.8	690.8	536.2
25°	969.9	971.9	951.9	735.0	835.4	739.0	823.3	735.0	879.6	851.5	785.2
27.5°	1018.1	943.8	867.5	911.7	797.2	917.7	783.2	889.6	955.9	949.9	959.9
30°	1291.2	1295.3	1243.1	998.1	933.8	905.7	903.7	1056.3	1309.3	1319.4	1152.7
32.5°	1749.1	1725.0	1468.0	1231.0	1006.1	1104.5	1014.1	1223.0	1415.8	1409.7	1235.0
35°	1958.0	1933.9	1837.5	1520.2	1162.7	1192.8	1144.7	1301.3	1562.3	1516.2	1317.4
37.5°	2134.7	2130.7	2050.3	1674.8	1321.4	1365.5	1223.0	1397.7	1688.9	1640.7	1401.7
40°	2287.3	2273.2	2202.9	1813.4	1484.0	1486.0	1321.4	1514.2	1801.3	1813.4	1484.0
42.5°	2413.8	2401.8	2343.5	1951.9	1580.4	1592.5	1425.8	1632.6	1951.9	1974.0	1612.6
45°	2466.0	2472.0	2431.9	2076.4	1666.8	1688.9	1550.3	1753.1	2112.6	2130.7	1727.0
47.5°	2504.2	2506.2	2496.1	2178.9	1759.1	1769.2	1672.8	1861.6	2345.5	2309.4	1861.6
50°	2417.8	2409.8	2419.8	2257.2	1839.5	1851.5	1775.2	1974.0	2512.2	2466.0	2002.1
52.5°	2190.9	2200.9	2305.4	2217.0	1865.6	1889.7	1871.6	2072.4	2743.1	2707.0	2202.9
55°	1620.6	1664.8	1966.0	2052.3	1863.6	1905.7	1960.0	2259.2	2986.1	2931.9	2373.6
57.5°	1311.3	1311.3	1488.0	1771.2	1761.2	1895.7	2050.3	2385.7	3178.9	3140.8	2544.3
60°	1052.3	1052.3	1148.7	1405.7	1562.3	1845.5	2142.7	2572.5	3361.7	3339.6	2694.9
62.5°	825.4	823.3	903.7	1048.3	1281.2	1735.0	2190.9	2733.1	3590.6	3586.6	2935.9
65°	596.4	604.5	672.7	763.1	1006.1	1528.2	2188.9	2877.7	3865.7	3877.8	3207.0
67.5°	441.8	445.8	484.0	550.2	690.8	1267.1	2092.5	2978.1	4177.0	4156.9	3379.7
70°	339.4	345.4	361.5	395.6	459.9	941.8	1859.6	2907.8	4361.7	4323.6	3444.0
72.5°	285.2	287.2	285.2	303.2	307.2	638.6	1490.1	2640.7	4285.4	4225.2	3267.3
75°	243.0	241.0	239.0	243.0	226.9	421.7	1068.3	2235.1	3956.1	3851.6	2885.7
77.5°	208.8	206.8	198.8	200.8	180.7	311.3	729.0	1753.1	3333.5	3088.5	2168.8
80°	172.7	172.7	166.7	166.7	152.6	237.0	465.9	1208.9	1941.9	1747.1	1128.6
82.5°	134.5	132.5	132.5	136.6	130.5	184.8	305.2	602.4	801.3	751.1	528.1
85°	72.3	72.3	82.3	92.4	90.4	112.5	232.9	355.4	473.9	457.9	295.2
87.5°	22.1	22.1	24.1	30.1	32.1	60.2	146.6	172.7	214.9	237.0	232.9
90°	24.1	22.1	16.1	18.1	20.1	44.2	136.6	166.7	216.9	241.0	247.0
92.5°	28.1	26.1	16.1	16.1	20.1	36.1	130.5	162.7	237.0	261.1	267.1
95°	30.1	28.1	16.1	16.1	20.1	32.1	116.5	160.7	253.0	285.2	285.2
97.5°	28.1	26.1	12.0	14.1	18.1	28.1	90.4	132.5	176.7	194.8	224.9
100°	24.1	24.1	8.0	12.0	16.1	20.1	52.2	72.3	52.2	50.2	50.2
102.5°	22.1	22.1	8.0	10.0	12.0	14.1	24.1	38.2	12.0	14.1	18.1
105°	22.1	24.1	6.0	8.0	8.0	8.0	12.0	20.1	10.0	12.0	18.1
107.5°	22.1	24.1	6.0	6.0	8.0	6.0	6.0	8.0	10.0	12.0	20.1
110°	20.1	20.1	4.0	6.0	6.0	6.0	4.0	6.0	10.0	14.1	20.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	14.1	14.1	4.0	6.0	6.0	6.0	4.0	6.0	10.0	14.1	20.1
115°	10.0	8.0	4.0	6.0	4.0	6.0	4.0	6.0	10.0	14.1	18.1
117.5°	8.0	6.0	4.0	4.0	4.0	4.0	2.0	6.0	12.0	16.1	22.1
120°	8.0	8.0	4.0	4.0	4.0	4.0	2.0	6.0	18.1	20.1	28.1
122.5°	8.0	8.0	4.0	4.0	4.0	4.0	2.0	4.0	16.1	22.1	30.1
125°	8.0	8.0	4.0	4.0	4.0	4.0	2.0	4.0	14.1	20.1	26.1
127.5°	8.0	8.0	4.0	2.0	4.0	4.0	4.0	4.0	12.0	16.1	22.1
130°	8.0	8.0	4.0	2.0	4.0	4.0	4.0	4.0	10.0	12.0	18.1
132.5°	6.0	6.0	4.0	2.0	4.0	2.0	2.0	4.0	8.0	10.0	14.1
135°	4.0	4.0	4.0	2.0	4.0	2.0	2.0	2.0	4.0	6.0	10.0
137.5°	2.0	4.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0
140°	2.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	8.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0
150°	10.0	10.0	10.0	8.0	6.0	4.0	6.0	2.0	2.0	2.0	2.0
152.5°	10.0	10.0	12.0	6.0	4.0	2.0	2.0	8.0	6.0	4.0	4.0
155°	8.0	6.0	6.0	2.0	2.0	2.0	2.0	2.0	6.0	8.0	8.0
157.5°	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	2.0	2.0
160°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8
2.5°	692.8	676.7	638.6	610.5	576.3	546.2	520.1	461.9	451.8	445.8	443.8
5°	692.8	658.7	584.4	494.0	423.7	407.7	399.6	399.6	395.6	397.6	399.6
7.5°	614.5	568.3	455.9	385.6	397.6	397.6	399.6	389.6	357.5	361.5	355.4
10°	538.2	479.9	343.4	313.3	343.4	345.4	391.6	409.7	415.7	417.7	417.7
12.5°	496.0	413.7	297.2	307.2	277.1	317.3	373.5	417.7	379.5	359.5	359.5
15°	570.3	490.0	333.4	269.1	273.1	317.3	283.2	395.6	409.7	413.7	413.7
17.5°	512.1	431.8	305.2	277.1	305.2	261.1	319.3	363.5	347.4	329.3	327.3
20°	614.5	510.1	341.4	271.1	269.1	309.3	283.2	297.2	371.5	373.5	371.5
22.5°	477.9	407.7	303.2	307.2	269.1	295.2	279.1	307.2	293.2	291.2	293.2
25°	662.7	528.1	349.4	265.1	281.1	261.1	281.1	259.1	311.3	315.3	317.3
27.5°	811.3	630.6	371.5	287.2	245.0	267.1	251.0	259.1	241.0	251.0	255.0
30°	965.9	735.0	453.8	317.3	259.1	228.9	232.9	230.9	261.1	259.1	255.0
32.5°	1016.1	749.0	433.8	331.3	257.0	230.9	212.9	226.9	249.0	267.1	269.1
35°	1066.3	759.1	417.7	317.3	251.0	216.9	208.8	232.9	251.0	253.0	259.1
37.5°	1124.6	767.1	401.6	297.2	232.9	212.9	206.8	216.9	257.0	253.0	247.0
40°	1178.8	771.1	381.6	279.1	212.9	208.8	192.8	216.9	226.9	235.0	239.0
42.5°	1275.2	795.2	365.5	263.1	198.8	198.8	184.8	202.8	232.9	237.0	235.0
45°	1345.5	787.2	343.4	249.0	184.8	176.7	180.7	220.9	235.0	259.1	255.0
47.5°	1445.9	807.3	317.3	226.9	172.7	162.7	170.7	214.9	241.0	259.1	263.1
50°	1544.3	803.3	295.2	208.8	164.7	154.6	188.8	208.8	237.0	267.1	267.1
52.5°	1672.8	809.3	285.2	192.8	154.6	154.6	194.8	210.9	243.0	263.1	263.1
55°	1787.3	787.2	261.1	186.8	152.6	148.6	196.8	218.9	245.0	263.1	265.1
57.5°	1871.6	743.0	243.0	180.7	150.6	152.6	196.8	237.0	228.9	263.1	269.1
60°	1964.0	694.8	226.9	180.7	150.6	158.6	202.8	251.0	251.0	275.1	275.1
62.5°	2090.5	664.7	218.9	182.7	146.6	164.7	220.9	273.1	253.0	291.2	293.2
65°	2196.9	624.5	212.9	190.8	148.6	172.7	230.9	291.2	265.1	309.3	307.2
67.5°	2198.9	564.3	204.8	198.8	150.6	178.7	230.9	303.2	279.1	325.3	319.3
70°	2102.5	504.0	192.8	198.8	156.6	184.8	230.9	311.3	281.1	351.4	345.4
72.5°	1895.7	411.7	174.7	190.8	166.7	192.8	243.0	309.3	281.1	379.5	373.5
75°	1612.6	329.3	150.6	174.7	166.7	202.8	251.0	307.2	271.1	361.5	349.4
77.5°	1227.0	269.1	126.5	152.6	158.6	206.8	251.0	303.2	263.1	337.4	329.3
80°	632.6	188.8	102.4	130.5	148.6	202.8	249.0	287.2	235.0	299.2	295.2
82.5°	347.4	138.6	82.3	96.4	124.5	190.8	241.0	259.1	206.8	245.0	235.0
85°	224.9	100.4	66.3	78.3	104.4	158.6	202.8	204.8	146.6	176.7	166.7
87.5°	168.7	58.2	42.2	48.2	72.3	88.4	128.5	132.5	92.4	108.4	102.4
90°	176.7	58.2	44.2	50.2	64.3	66.3	94.4	100.4	72.3	82.3	82.3
92.5°	188.8	58.2	46.2	52.2	58.2	52.2	74.3	82.3	60.2	66.3	64.3
95°	192.8	56.2	50.2	54.2	52.2	42.2	60.2	66.3	50.2	50.2	50.2
97.5°	140.6	40.2	50.2	54.2	48.2	34.1	46.2	52.2	32.1	26.1	26.1
100°	38.2	20.1	48.2	52.2	42.2	28.1	40.2	40.2	20.1	14.1	14.1
102.5°	16.1	16.1	42.2	46.2	32.1	18.1	28.1	28.1	14.1	6.0	6.0
105°	16.1	12.0	30.1	34.1	22.1	10.0	14.1	16.1	10.0	6.0	6.0
107.5°	16.1	12.0	14.1	18.1	10.0	8.0	8.0	8.0	6.0	6.0	6.0
110°	18.1	12.0	8.0	10.0	8.0	6.0	6.0	6.0	6.0	8.0	10.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.1	14.1	8.0	10.0	8.0	6.0	6.0	6.0	8.0	18.1	18.1
115°	18.1	12.0	8.0	8.0	6.0	6.0	4.0	4.0	8.0	22.1	22.1
117.5°	20.1	14.1	8.0	8.0	6.0	4.0	4.0	4.0	10.0	26.1	26.1
120°	24.1	16.1	8.0	6.0	4.0	4.0	4.0	4.0	12.0	28.1	28.1
122.5°	26.1	18.1	8.0	6.0	4.0	2.0	4.0	6.0	14.1	28.1	28.1
125°	22.1	16.1	8.0	6.0	4.0	2.0	4.0	6.0	14.1	26.1	28.1
127.5°	20.1	14.1	8.0	4.0	4.0	2.0	2.0	6.0	12.0	20.1	24.1
130°	16.1	12.0	6.0	4.0	4.0	2.0	2.0	4.0	12.0	18.1	22.1
132.5°	14.1	10.0	6.0	4.0	4.0	2.0	2.0	4.0	12.0	16.1	16.1
135°	10.0	8.0	4.0	4.0	4.0	2.0	4.0	2.0	8.0	14.1	14.1
137.5°	6.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	6.0	8.0	8.0
140°	2.0	2.0	4.0	4.0	4.0	2.0	2.0	2.0	4.0	4.0	4.0
142.5°	2.0	2.0	4.0	4.0	4.0	2.0	2.0	2.0	4.0	4.0	4.0
145°	2.0	2.0	2.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0
147.5°	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0
150°	2.0	2.0	2.0	4.0	4.0	2.0	2.0	4.0	4.0	4.0	4.0
152.5°	2.0	2.0	4.0	4.0	2.0	2.0	2.0	4.0	4.0	4.0	4.0
155°	6.0	6.0	4.0	4.0	2.0	2.0	0.0	2.0	4.0	4.0	4.0
157.5°	2.0	2.0	4.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
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)