

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: P560508

Luminaire Tested: **SDL-PA1-50-727-U-SL3-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560508  
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-PA1-50-727-U-SL3-A  
Description: Springdale  
(1) 70 CRI, 2700K, 670mA 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: 5006.5 lumens  
Efficiency: N/A  
Efficacy: 95.5 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

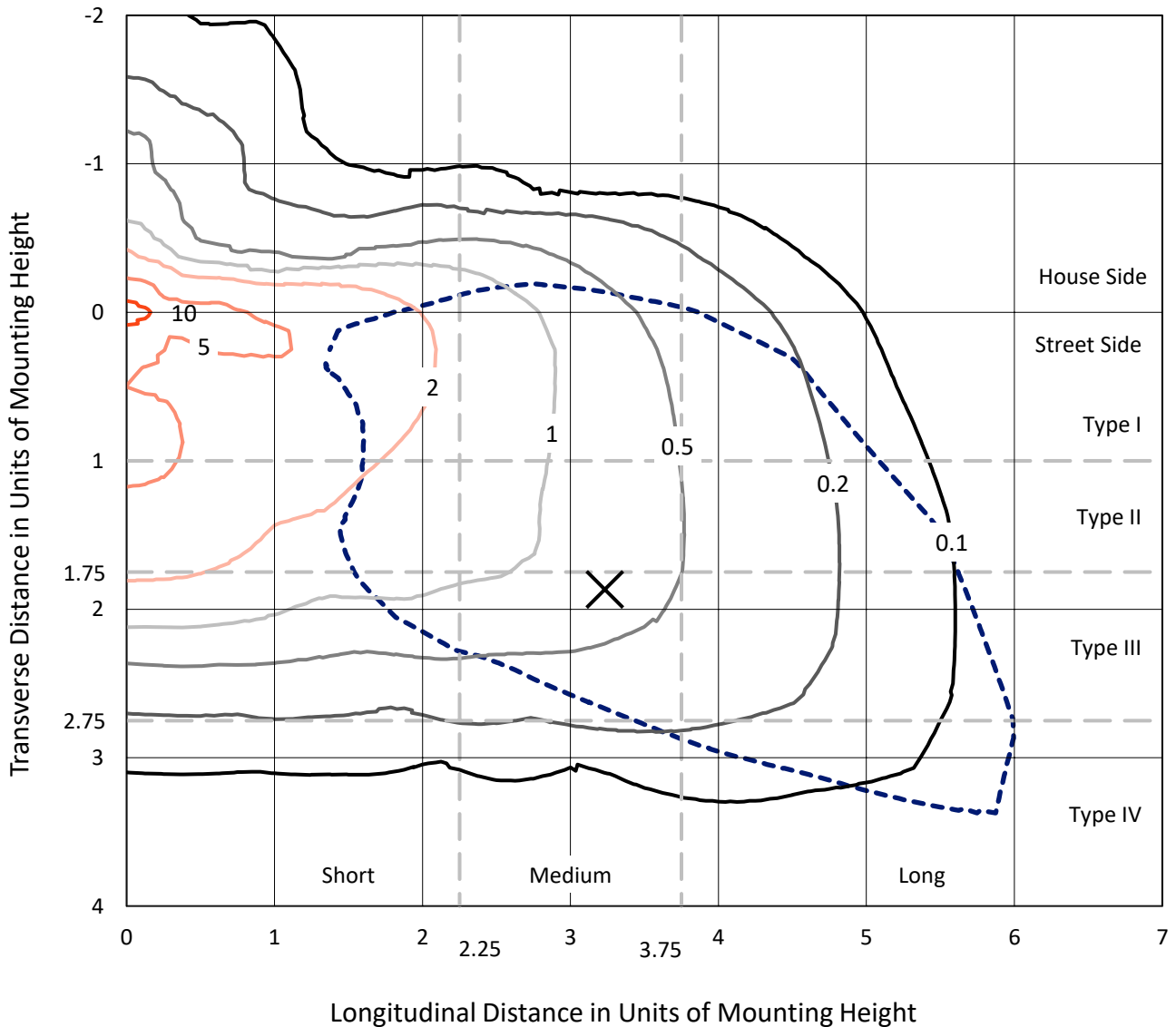
Input Watts (W): 52.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

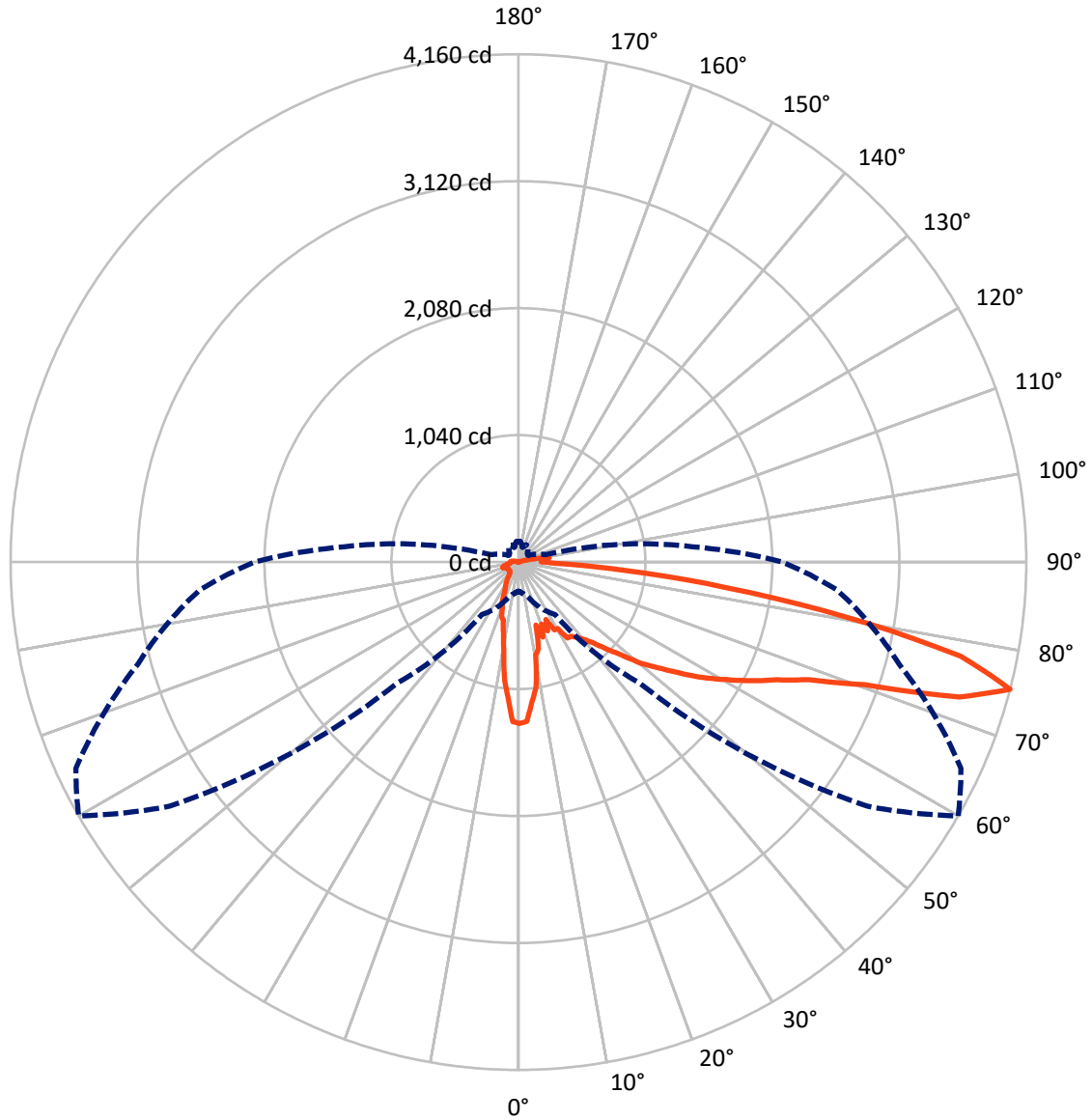
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 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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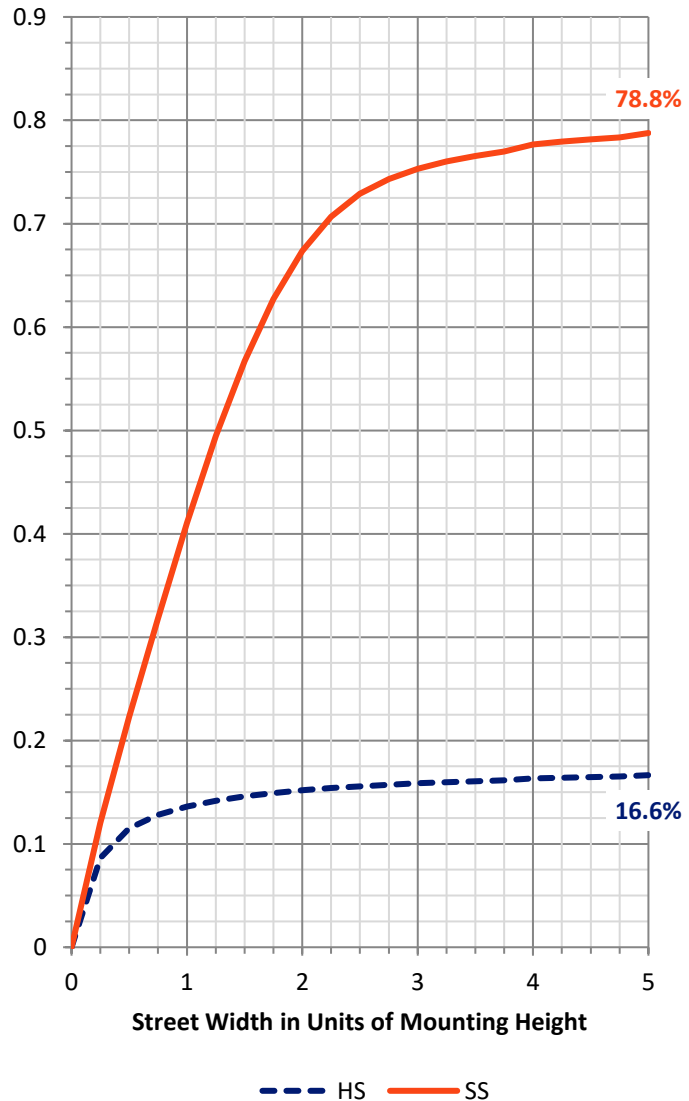
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	878.9	66.7	945.6
	% Fixture	17.6	1.3	18.9
<b>Street Side</b>	Lumens	3990.4	70.5	4060.9
	% Fixture	79.7	1.4	81.1
<b>Total</b>	Lumens	4869.3	137.2	5006.5
	% Fixture	97.3	2.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.3	1.9
10°-20°	173.1	3.5
20°-30°	224.4	4.5
30°-40°	373.9	7.5
40°-50°	598.7	12.0
50°-60°	919.2	18.4
60°-70°	1148.5	22.9
70°-80°	1047.5	20.9
80°-90°	286.6	5.7
90°-100°	96.3	1.9
100°-110°	21.9	0.4
110°-120°	7.0	0.1
120°-130°	6.5	0.1
130°-140°	3.1	0.1
140°-150°	1.3	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4869.3	97.3
0°-180°	5006.5	100.0

**Coefficient of Utilization**



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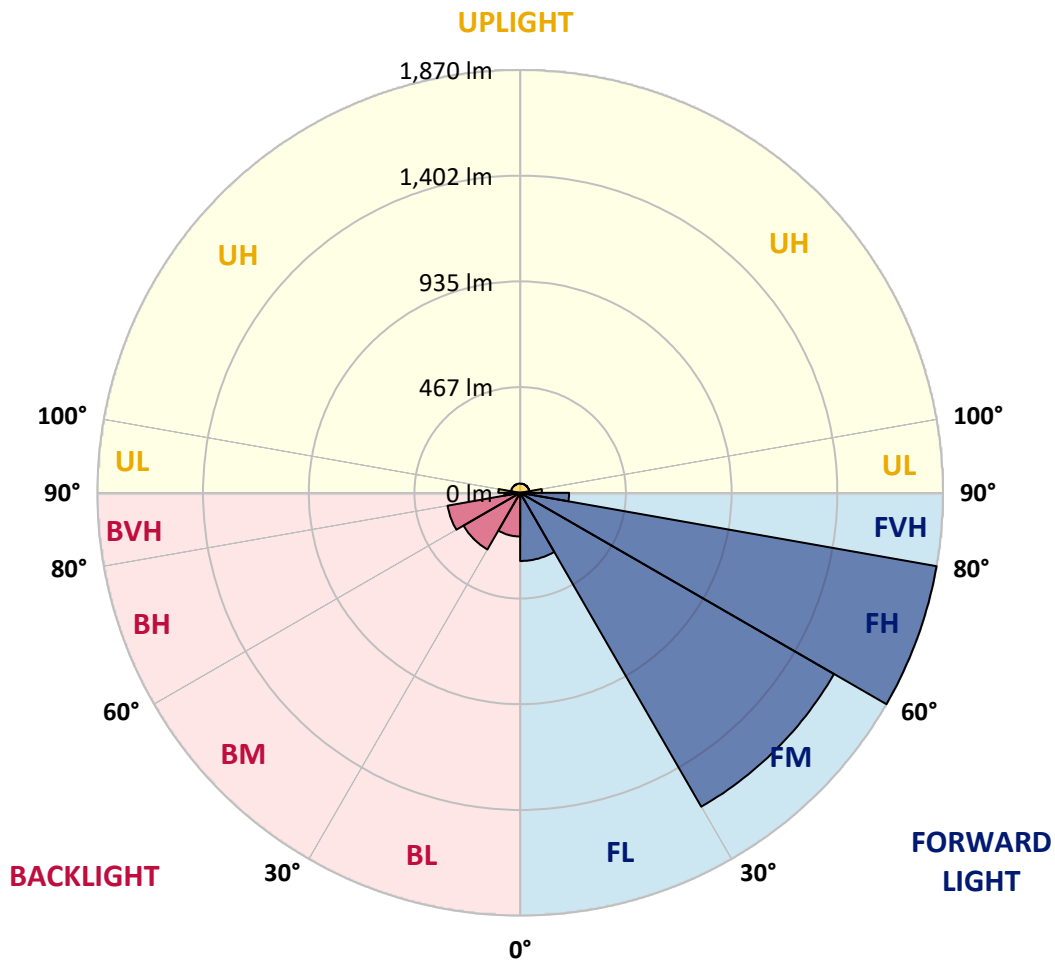
CATALOG NUMBER: SDL-PA1-50-727-U-SL3-A

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.6	6.0			
FM (30°-60°)	1602.6	32.0			
FH (60°-80°)	1869.9	37.4			G2/5000
FVH (80°-90°)	216.3	4.3			G2/225
BL (0°-30°)	193.2	3.9	B1/500		
BM (30°-60°)	289.2	5.8	B1/1000		
BH (60°-80°)	326.1	6.5	B1/500		G1/500
BVH (80°-90°)	70.3	1.4			G1/100
UL (90°-100°)	96.3	1.9		U3/500	
UH (100°-180°)	41.0	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°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1109.2	1212.7	1203.0	1283.1	1283.1	1300.6	1308.4	1306.5	1314.3	1322.1	1320.2
5°	1021.4	1023.3	1031.1	1048.7	1054.6	1060.4	1080.0	1148.3	1263.5	1290.9	1290.9
7.5°	843.7	890.5	949.1	958.9	994.0	1011.6	1033.1	1037.0	958.9	1099.5	1113.2
10°	855.4	857.3	853.4	874.9	849.5	839.7	771.4	775.3	783.1	835.8	941.3
12.5°	669.8	708.9	792.9	831.9	769.4	701.1	697.2	730.4	744.1	665.9	830.0
15°	765.5	769.4	771.4	773.3	574.2	665.9	582.0	535.1	599.5	755.8	859.3
17.5°	599.5	603.4	695.2	693.3	632.7	511.7	632.7	646.4	621.0	642.5	718.7
20°	703.0	705.0	699.1	542.9	554.6	626.9	544.9	542.9	574.2	740.1	835.8
22.5°	578.1	570.2	568.3	621.0	564.4	603.4	529.2	613.2	665.9	660.1	630.8
25°	724.5	722.6	693.3	541.0	578.1	511.7	619.1	519.5	576.1	798.7	835.8
27.5°	677.7	650.3	601.5	624.9	539.0	599.5	550.7	628.8	664.0	820.2	968.6
30°	876.9	857.3	800.7	630.8	595.6	552.7	589.8	630.8	755.8	1056.5	1107.3
32.5°	1158.1	1136.6	933.5	773.3	624.9	654.2	621.0	740.1	833.9	1078.0	1117.1
35°	1244.0	1214.7	1115.1	937.4	716.7	695.2	662.0	746.0	845.6	1134.6	1134.6
37.5°	1292.8	1290.9	1244.0	1035.0	808.5	796.8	712.8	783.1	892.5	1189.3	1177.6
40°	1300.6	1310.4	1331.9	1121.0	917.9	892.5	779.2	833.9	958.9	1255.7	1232.3
42.5°	1365.1	1382.7	1431.5	1234.2	1027.2	1003.8	857.3	908.1	1031.1	1353.4	1347.5
45°	1468.6	1486.2	1529.1	1359.2	1122.9	1107.3	984.3	1015.5	1148.3	1525.2	1470.5
47.5°	1683.4	1687.3	1669.7	1462.7	1226.4	1226.4	1107.3	1136.6	1253.8	1683.4	1630.7
50°	1898.2	1874.8	1796.7	1585.8	1329.9	1359.2	1234.2	1302.6	1372.9	1843.5	1771.3
52.5°	2017.3	2013.4	1908.0	1679.5	1419.8	1476.4	1380.7	1439.3	1482.2	2005.6	1904.1
55°	2021.2	2015.4	1943.1	1724.4	1503.7	1597.5	1527.2	1603.3	1634.6	2132.6	2085.7
57.5°	1956.8	1972.4	1935.3	1749.8	1544.7	1714.6	1704.9	1786.9	1802.5	2282.9	2210.7
60°	1855.3	1853.3	1898.2	1773.2	1607.2	1826.0	1868.9	1952.9	2036.9	2398.2	2322.0
62.5°	1601.4	1619.0	1745.9	1773.2	1675.6	1970.5	2052.5	2140.4	2243.9	2503.6	2421.6
65°	1253.8	1263.5	1462.7	1644.3	1695.1	2163.8	2238.0	2325.9	2435.3	2611.0	2532.9
67.5°	757.7	822.2	994.0	1353.4	1595.5	2396.2	2532.9	2570.0	2632.5	2732.1	2696.9
70°	431.6	451.1	533.1	851.5	1331.9	2470.4	3075.8	3009.4	2945.0	2968.4	2902.0
72.5°	328.1	339.8	376.9	503.8	796.8	2181.4	3532.8	3778.9	3501.5	3214.5	2896.1
75°	238.3	250.0	287.1	406.2	523.4	1398.3	3485.9	4159.7	3999.5	3226.2	2618.8
77.5°	148.4	150.4	171.9	345.7	470.6	701.1	2728.2	3704.6	3774.9	3013.3	2171.6
80°	103.5	105.5	109.4	185.5	433.5	562.4	1831.8	2720.4	2820.0	2097.4	1107.3
82.5°	74.2	78.1	82.0	109.4	281.2	537.0	1140.5	1712.7	1509.6	759.7	449.2
85°	39.1	43.0	52.7	66.4	113.3	583.9	683.5	871.0	689.4	308.6	267.5
87.5°	15.6	13.7	11.7	17.6	31.2	224.6	265.6	292.9	226.5	173.8	212.9
90°	13.7	11.7	7.8	9.8	13.7	80.1	167.9	187.5	156.2	169.9	214.8
92.5°	13.7	11.7	7.8	7.8	13.7	80.1	201.1	205.1	162.1	173.8	224.6
95°	13.7	13.7	7.8	7.8	13.7	72.3	238.3	234.3	167.9	183.6	238.3
97.5°	13.7	13.7	5.9	7.8	13.7	48.8	246.1	253.9	164.0	130.8	197.2
100°	13.7	13.7	5.9	5.9	11.7	31.2	171.9	185.5	121.1	43.0	48.8
102.5°	13.7	13.7	5.9	5.9	7.8	21.5	76.2	91.8	72.3	13.7	15.6
105°	13.7	15.6	3.9	3.9	5.9	11.7	33.2	37.1	29.3	9.8	17.6
107.5°	15.6	17.6	3.9	3.9	3.9	5.9	11.7	13.7	7.8	7.8	17.6
110°	17.6	17.6	3.9	3.9	3.9	5.9	3.9	3.9	5.9	7.8	19.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	13.7	11.7	2.0	3.9	3.9	3.9	3.9	3.9	3.9	7.8	19.5
115°	7.8	5.9	2.0	3.9	3.9	3.9	2.0	3.9	5.9	7.8	17.6
117.5°	7.8	5.9	2.0	2.0	2.0	3.9	2.0	2.0	5.9	9.8	21.5
120°	5.9	5.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9	13.7	29.3
122.5°	5.9	5.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9	13.7	29.3
125°	7.8	7.8	3.9	2.0	2.0	2.0	2.0	3.9	3.9	11.7	27.3
127.5°	5.9	5.9	3.9	2.0	2.0	2.0	2.0	3.9	3.9	9.8	21.5
130°	5.9	5.9	3.9	2.0	2.0	2.0	2.0	3.9	2.0	9.8	17.6
132.5°	5.9	5.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	5.9	13.7
135°	5.9	5.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	3.9	9.8
137.5°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9
140°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	3.9	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0
150°	3.9	3.9	7.8	5.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0
152.5°	7.8	7.8	7.8	5.9	2.0	2.0	3.9	5.9	2.0	2.0	2.0
155°	5.9	5.9	5.9	2.0	2.0	2.0	2.0	2.0	3.9	5.9	5.9
157.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1314.3	1318.2	1314.3	1310.4	1306.5	1294.8	1214.7	1117.1	1109.2	1117.1	1113.2
5°	1281.1	1281.1	1279.1	1144.4	1064.3	1040.9	1035.0	1029.2	1017.5	1011.6	1015.5
7.5°	1105.3	1099.5	1031.1	910.0	986.2	958.9	943.2	935.4	818.3	775.3	779.2
10°	923.7	923.7	767.5	724.5	720.6	732.3	812.4	806.5	790.9	781.2	790.9
12.5°	796.8	830.0	609.3	652.3	529.2	585.9	640.5	679.6	560.5	527.3	533.1
15°	845.6	833.9	669.8	511.7	466.7	492.1	394.5	494.1	486.3	470.6	468.7
17.5°	738.2	677.7	558.5	480.4	460.9	347.6	337.9	349.6	320.3	292.9	306.6
20°	802.6	769.4	591.7	427.7	355.4	316.4	238.3	222.6	283.2	296.8	294.9
22.5°	669.8	558.5	484.3	425.7	287.1	226.5	179.7	197.2	210.9	224.6	230.4
25°	787.0	726.5	529.2	318.3	232.4	166.0	162.1	146.5	220.7	251.9	250.0
27.5°	908.1	822.2	509.7	298.8	167.9	142.6	130.8	148.4	154.3	173.8	185.5
30°	1015.5	912.0	589.8	277.3	140.6	107.4	117.2	121.1	150.4	162.1	162.1
32.5°	1011.6	886.6	527.3	236.3	115.2	97.6	97.6	115.2	132.8	160.1	162.1
35°	1009.6	867.1	470.6	183.6	101.6	85.9	89.8	109.4	132.8	148.4	150.4
37.5°	1033.1	861.2	414.0	148.4	91.8	82.0	85.9	103.5	142.6	158.2	158.2
40°	1068.2	865.1	357.4	126.9	87.9	80.1	82.0	109.4	128.9	142.6	142.6
42.5°	1175.6	921.8	308.6	117.2	87.9	78.1	78.1	101.6	130.8	154.3	156.2
45°	1255.7	966.7	271.5	117.2	85.9	74.2	82.0	101.6	115.2	169.9	181.6
47.5°	1384.6	1048.7	236.3	117.2	85.9	72.3	76.2	99.6	121.1	195.3	203.1
50°	1513.5	1130.7	220.7	117.2	85.9	70.3	85.9	95.7	121.1	203.1	209.0
52.5°	1650.2	1232.3	210.9	117.2	85.9	74.2	93.7	115.2	130.8	181.6	179.7
55°	1790.8	1322.1	205.1	121.1	85.9	74.2	101.6	107.4	111.3	140.6	144.5
57.5°	1921.6	1431.5	216.8	121.1	84.0	78.1	95.7	105.5	97.6	123.0	125.0
60°	2025.2	1531.1	246.1	117.2	82.0	78.1	97.6	115.2	109.4	134.7	138.7
62.5°	2144.3	1636.5	314.4	119.1	82.0	80.1	109.4	125.0	111.3	132.8	140.6
65°	2300.5	1796.7	390.6	130.8	84.0	84.0	111.3	134.7	111.3	130.8	130.8
67.5°	2476.3	1945.1	390.6	152.3	89.8	89.8	111.3	142.6	119.1	130.8	130.8
70°	2605.2	1952.9	322.2	167.9	97.6	95.7	115.2	148.4	121.1	144.5	142.6
72.5°	2462.6	1740.0	267.5	166.0	105.5	99.6	130.8	152.3	123.0	164.0	162.1
75°	2161.9	1435.4	232.4	148.4	95.7	101.6	136.7	156.2	125.0	171.9	167.9
77.5°	1704.9	1046.8	197.2	125.0	84.0	97.6	140.6	160.1	128.9	181.6	179.7
80°	826.1	525.3	160.1	105.5	76.2	93.7	140.6	158.2	126.9	187.5	187.5
82.5°	373.0	261.7	109.4	72.3	76.2	95.7	144.5	160.1	126.9	183.6	181.6
85°	242.2	179.7	70.3	56.6	76.2	109.4	146.5	152.3	121.1	169.9	169.9
87.5°	181.6	125.0	37.1	35.2	84.0	119.1	146.5	140.6	117.2	160.1	156.2
90°	185.5	132.8	39.1	35.2	89.8	121.1	146.5	138.7	113.3	144.5	144.5
92.5°	201.1	146.5	44.9	39.1	91.8	109.4	138.7	125.0	105.5	125.0	123.0
95°	218.7	164.0	52.7	44.9	80.1	80.1	109.4	101.6	89.8	95.7	95.7
97.5°	160.1	117.2	46.9	48.8	60.5	50.8	72.3	68.4	46.9	43.0	41.0
100°	46.9	39.1	43.0	46.9	43.0	37.1	54.7	52.7	31.2	15.6	15.6
102.5°	17.6	19.5	39.1	43.0	33.2	27.3	39.1	43.0	25.4	3.9	5.9
105°	15.6	13.7	27.3	33.2	19.5	15.6	19.5	27.3	15.6	3.9	3.9
107.5°	17.6	13.7	13.7	17.6	7.8	7.8	7.8	9.8	5.9	3.9	3.9
110°	17.6	13.7	7.8	7.8	5.9	5.9	5.9	3.9	3.9	3.9	3.9



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.6	13.7	7.8	7.8	5.9	5.9	3.9	3.9	5.9	9.8	9.8
115°	19.5	15.6	7.8	5.9	3.9	5.9	3.9	2.0	5.9	13.7	13.7
117.5°	23.4	17.6	5.9	5.9	3.9	3.9	3.9	2.0	5.9	17.6	19.5
120°	29.3	21.5	7.8	3.9	3.9	3.9	3.9	2.0	7.8	19.5	21.5
122.5°	29.3	23.4	7.8	3.9	3.9	2.0	2.0	3.9	7.8	19.5	21.5
125°	27.3	21.5	7.8	3.9	3.9	2.0	2.0	2.0	9.8	19.5	21.5
127.5°	21.5	19.5	7.8	3.9	2.0	2.0	2.0	3.9	7.8	17.6	17.6
130°	17.6	15.6	5.9	3.9	2.0	2.0	2.0	2.0	7.8	13.7	15.6
132.5°	13.7	11.7	5.9	3.9	2.0	2.0	2.0	2.0	7.8	13.7	13.7
135°	9.8	9.8	3.9	2.0	2.0	2.0	2.0	2.0	5.9	9.8	11.7
137.5°	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	5.9	5.9
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	3.9	3.9
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	3.9
145°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	3.9	3.9
155°	5.9	5.9	5.9	3.9	2.0	0.0	0.0	0.0	2.0	2.0	3.9
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	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)