

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: P560689

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

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560689  
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-PA1-60-727-U-T2R-HSS-A  
Description: Springdale  
(1) 70 CRI, 2700K, 800mA 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: 4765.6 lumens  
Efficiency: N/A  
Efficacy: 76.4 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 - G1

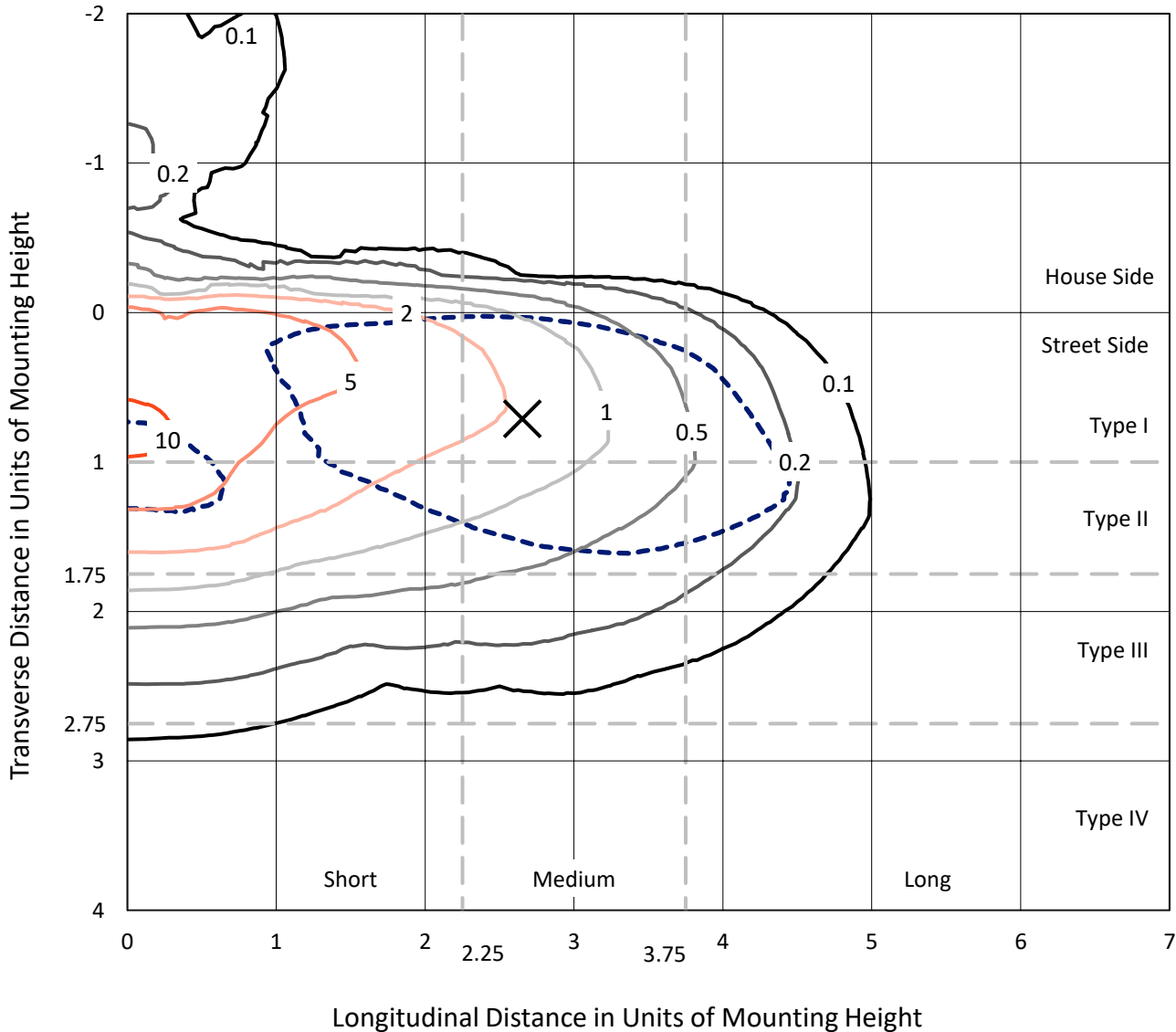
Input Watts (W): 62.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

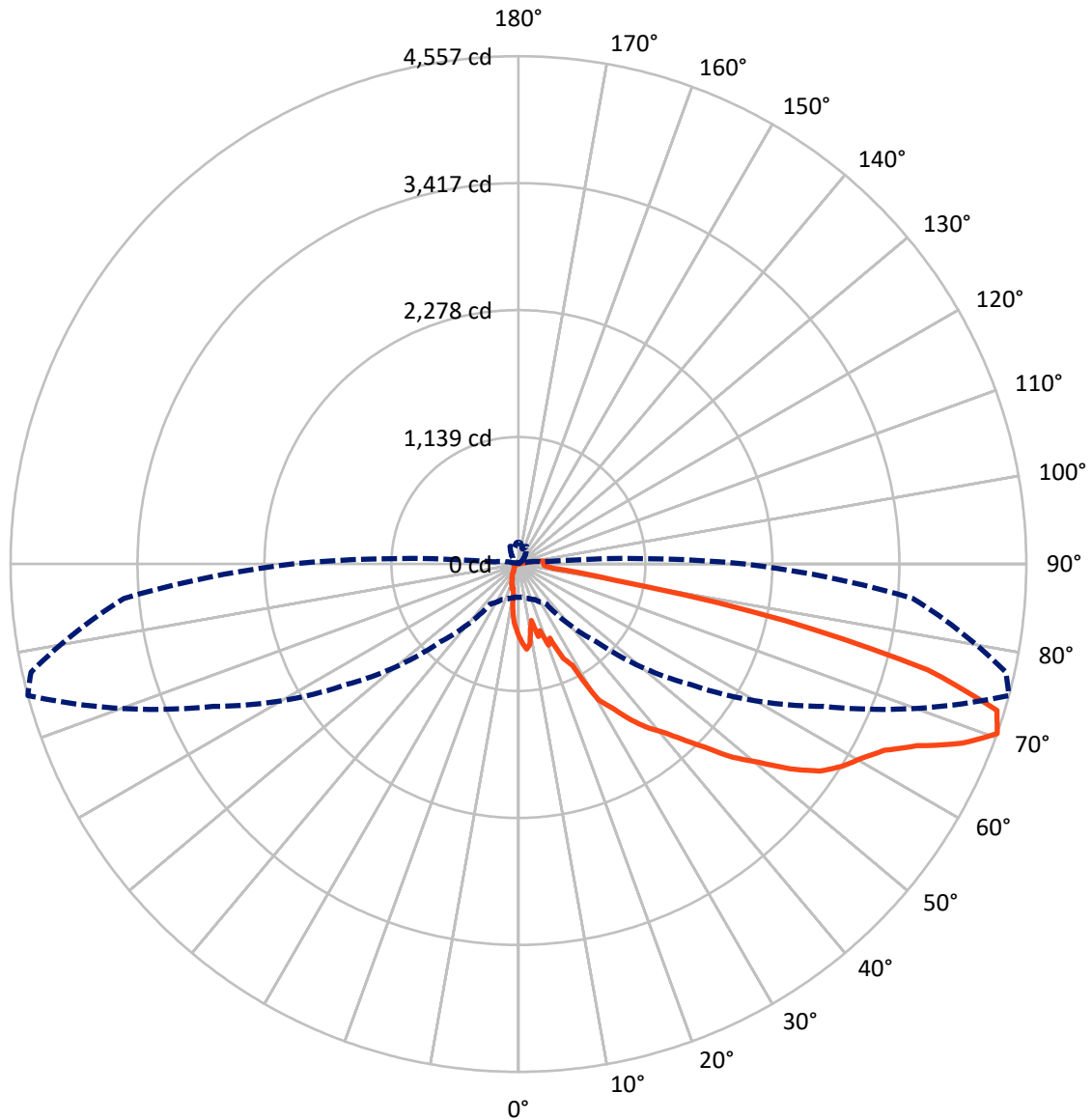
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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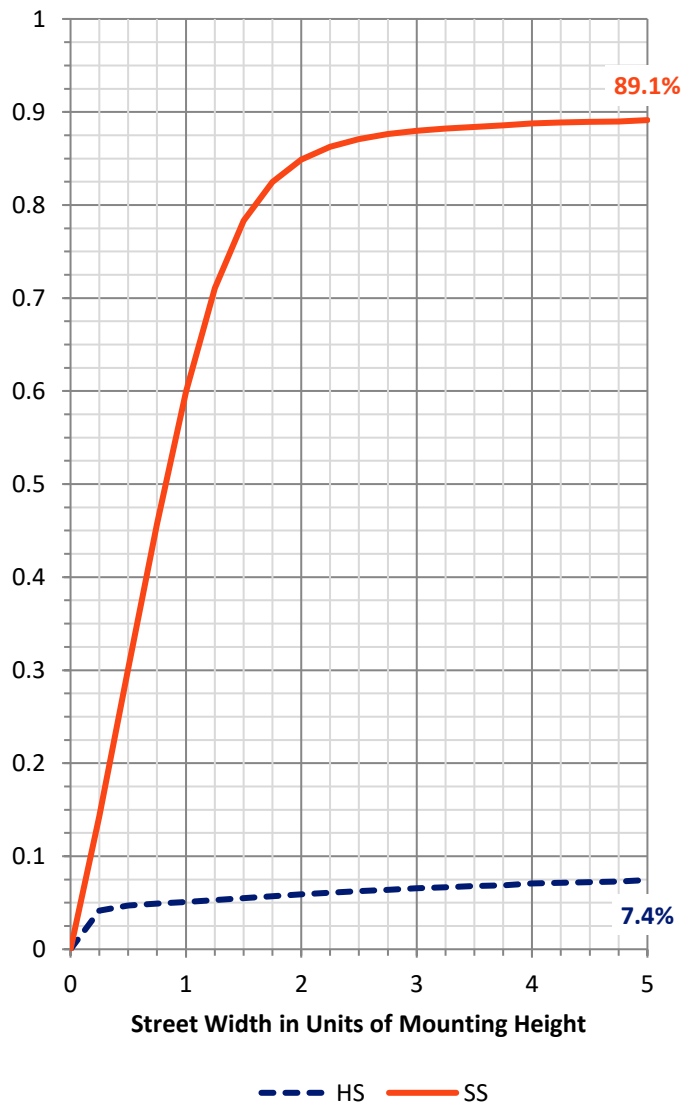
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	388.3	48.2	436.5
	% Fixture	8.1	1.0	9.2
<b>Street Side</b>	Lumens	4268.4	60.7	4329.1
	% Fixture	89.6	1.3	90.8
<b>Total</b>	Lumens	4656.7	108.9	4765.6
	% Fixture	97.7	2.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.5	1.1
10°-20°	125.7	2.6
20°-30°	235.8	4.9
30°-40°	529.3	11.1
40°-50°	871.1	18.3
50°-60°	1067.7	22.4
60°-70°	1000.0	21.0
70°-80°	651.2	13.7
80°-90°	124.4	2.6
90°-100°	71.4	1.5
100°-110°	16.0	0.3
110°-120°	8.1	0.2
120°-130°	6.9	0.1
130°-140°	3.4	0.1
140°-150°	1.7	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4656.7	97.7
0°-180°	4765.6	100.0

**Coefficient of Utilization**



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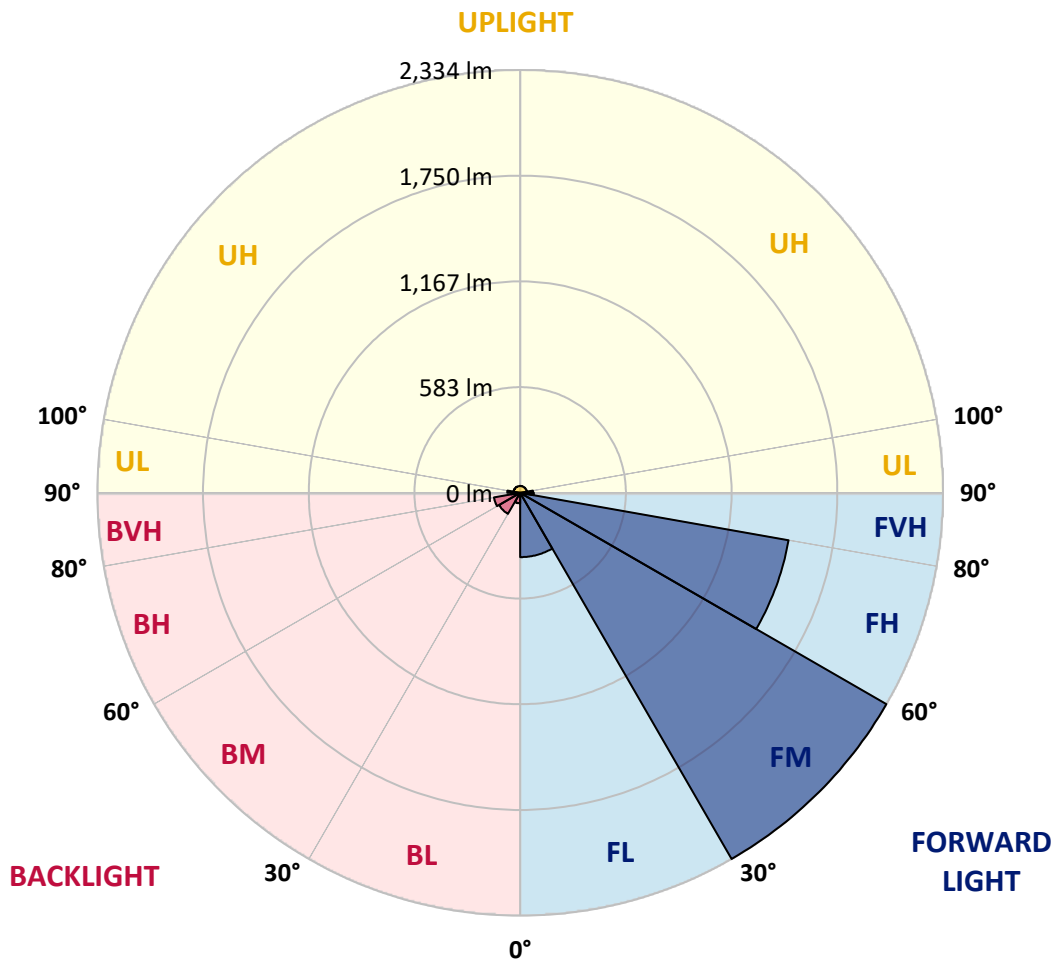
CATALOG NUMBER: SDL-PA1-60-727-U-T2R-HSS-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	355.0	7.4			
FM (30°-60°)	2333.9	49.0			
FH (60°-80°)	1504.2	31.6			G1/1800
FVH (80°-90°)	75.3	1.6			G1/100
BL (0°-30°)	58.0	1.2	B0/110		
BM (30°-60°)	134.2	2.8	B0/220		
BH (60°-80°)	147.0	3.1	B1/500		G1/500
BVH (80°-90°)	49.1	1.0			G1/100
UL (90°-100°)	71.4	1.5		U3/500	
UH (100°-180°)	37.6	0.8		U2/50	

**BUG Rating: B1-U3-G1**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3
2.5°	723.4	768.9	782.6	805.3	816.7	803.0	778.0	746.2	712.0	702.9	673.4
5°	821.2	812.1	805.3	805.3	791.7	762.1	734.8	819.0	766.6	755.3	696.1
7.5°	746.2	816.7	869.0	873.6	866.7	844.0	805.3	718.9	730.2	716.6	643.8
10°	903.1	905.4	896.3	903.1	839.4	807.6	682.5	630.1	589.2	643.8	577.8
12.5°	748.4	859.9	923.6	946.4	866.7	762.1	698.4	671.1	521.0	507.3	523.2
15°	914.5	919.1	925.9	903.1	702.9	798.5	648.3	598.3	675.6	657.4	646.1
17.5°	723.4	732.5	887.2	878.1	814.4	632.4	771.2	687.0	627.9	605.1	589.2
20°	921.3	923.6	921.3	698.4	759.8	850.8	725.7	702.9	778.0	768.9	728.0
22.5°	773.5	773.5	825.8	896.3	798.5	853.1	739.3	875.8	723.4	718.9	541.4
25°	1069.2	1069.2	1032.8	791.7	905.4	803.0	878.1	787.1	935.0	903.1	812.1
27.5°	1039.6	1007.8	950.9	998.7	875.8	1005.5	850.8	960.0	1030.5	1060.1	1012.3
30°	1444.6	1444.6	1383.1	1069.2	1026.0	971.4	982.8	1148.8	1412.7	1417.3	1223.9
32.5°	1956.4	1920.0	1594.7	1378.6	1121.5	1219.4	1110.2	1351.3	1535.6	1528.7	1301.2
35°	2165.7	2154.3	2054.2	1692.5	1299.0	1335.4	1251.2	1428.6	1701.6	1656.1	1394.5
37.5°	2379.6	2361.4	2259.0	1870.0	1485.5	1533.3	1355.8	1542.4	1854.0	1788.1	1496.9
40°	2511.5	2513.8	2441.0	2011.0	1633.4	1658.4	1481.0	1681.2	1976.9	1990.5	1585.6
42.5°	2650.3	2648.0	2588.8	2177.1	1756.2	1788.1	1581.1	1813.1	2143.0	2158.9	1735.8
45°	2725.3	2720.8	2686.7	2290.8	1854.0	1876.8	1735.8	1974.6	2345.4	2340.9	1858.6
47.5°	2743.5	2750.4	2748.1	2402.3	1956.4	1965.5	1874.5	2092.9	2591.1	2541.1	2020.1
50°	2641.2	2645.7	2677.6	2491.0	2031.5	2040.6	1983.7	2227.1	2798.1	2739.0	2165.7
52.5°	2356.8	2384.1	2518.3	2436.4	2063.3	2097.5	2086.1	2329.5	3050.7	2977.9	2345.4
55°	1751.7	1815.4	2122.5	2231.7	2047.4	2099.7	2177.1	2516.0	3280.4	3191.7	2491.0
57.5°	1396.8	1408.2	1590.2	1890.4	1917.7	2088.4	2272.6	2629.8	3423.7	3335.0	2595.7
60°	1103.3	1121.5	1239.8	1481.0	1674.3	2020.1	2299.9	2745.8	3537.5	3462.4	2711.7
62.5°	855.4	853.1	944.1	1105.6	1349.0	1876.8	2263.5	2816.3	3683.1	3626.2	2918.7
65°	596.0	596.0	673.4	803.0	1021.4	1619.7	2190.7	2916.4	3931.0	3915.1	3175.8
67.5°	407.2	416.3	468.6	532.3	700.7	1317.2	2081.5	3018.8	4292.8	4217.7	3423.7
70°	298.0	298.0	318.5	352.6	436.8	982.8	1885.9	3021.1	4556.6	4479.3	3553.4
72.5°	220.7	220.7	236.6	252.5	275.3	652.9	1546.9	2830.0	4488.4	4365.5	3289.5
75°	116.0	116.0	179.7	186.5	184.3	423.1	1142.0	2325.0	3794.5	3589.8	2575.2
77.5°	91.0	93.3	102.4	145.6	134.2	277.5	637.0	1430.9	2452.4	2202.1	1394.5
80°	66.0	63.7	79.6	93.3	79.6	161.5	300.3	627.9	869.0	753.0	459.5
82.5°	38.7	40.9	47.8	68.2	68.2	113.7	195.6	275.3	311.7	309.4	275.3
85°	4.5	6.8	25.0	45.5	40.9	66.0	163.8	191.1	245.7	250.2	245.7
87.5°	4.5	4.5	6.8	9.1	11.4	43.2	138.8	166.1	227.5	243.4	245.7
90°	9.1	6.8	4.5	4.5	6.8	34.1	129.7	170.6	241.1	245.7	257.1
92.5°	11.4	9.1	4.5	2.3	6.8	27.3	122.8	170.6	250.2	266.2	277.5
95°	15.9	13.6	4.5	2.3	6.8	22.7	104.6	161.5	261.6	288.9	300.3
97.5°	20.5	18.2	4.5	4.5	6.8	18.2	81.9	127.4	172.9	195.6	211.6
100°	22.7	22.7	4.5	4.5	6.8	11.4	40.9	70.5	54.6	52.3	59.1
102.5°	25.0	25.0	4.5	4.5	4.5	6.8	13.6	29.6	11.4	11.4	18.2
105°	25.0	25.0	4.5	4.5	4.5	4.5	4.5	11.4	9.1	11.4	20.5
107.5°	22.7	25.0	4.5	6.8	6.8	4.5	4.5	4.5	9.1	13.6	20.5
110°	20.5	20.5	4.5	6.8	6.8	4.5	2.3	4.5	9.1	13.6	22.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	15.9	11.4	2.3	6.8	4.5	4.5	2.3	4.5	11.4	15.9	22.7
115°	6.8	4.5	2.3	4.5	4.5	4.5	2.3	4.5	11.4	18.2	22.7
117.5°	4.5	2.3	2.3	2.3	2.3	4.5	2.3	6.8	15.9	20.5	27.3
120°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	6.8	20.5	22.7	31.8
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	20.5	22.7	31.8
125°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	15.9	20.5	27.3
127.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	11.4	15.9	22.7
130°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	11.4	13.6	18.2
132.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	6.8	9.1	13.6
135°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	9.1
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
140°	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	2.3	4.5	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.5	4.5	4.5	2.3	2.3	2.3	2.3	2.3
150°	4.5	6.8	11.4	9.1	4.5	2.3	4.5	2.3	2.3	2.3	2.3
152.5°	11.4	11.4	9.1	9.1	2.3	2.3	4.5	4.5	2.3	2.3	2.3
155°	9.1	9.1	6.8	2.3	2.3	2.3	2.3	4.5	6.8	9.1	6.8
157.5°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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°	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3
2.5°	650.6	627.9	577.8	539.2	498.2	475.5	432.2	395.8	368.5	364.0	364.0
5°	650.6	605.1	516.4	420.9	332.1	286.6	261.6	245.7	234.3	229.8	227.5
7.5°	582.4	523.2	404.9	293.5	254.8	213.8	184.3	161.5	141.0	134.2	127.4
10°	509.6	436.8	275.3	202.5	161.5	134.2	120.6	113.7	106.9	104.6	104.6
12.5°	452.7	377.6	220.7	166.1	113.7	95.5	91.0	86.4	84.2	81.9	79.6
15°	552.8	452.7	229.8	113.7	79.6	68.2	63.7	66.0	70.5	70.5	70.5
17.5°	511.9	398.1	191.1	86.4	66.0	50.0	54.6	59.1	63.7	56.9	54.6
20°	612.0	468.6	186.5	68.2	54.6	50.0	47.8	40.9	52.3	52.3	52.3
22.5°	443.6	354.9	141.0	63.7	45.5	43.2	36.4	40.9	43.2	36.4	36.4
25°	657.4	461.8	138.8	50.0	45.5	34.1	36.4	29.6	36.4	36.4	36.4
27.5°	814.4	546.0	122.8	52.3	38.7	34.1	27.3	29.6	27.3	27.3	27.3
30°	969.1	614.2	111.5	52.3	36.4	27.3	25.0	22.7	27.3	27.3	27.3
32.5°	1014.6	598.3	88.7	54.6	34.1	25.0	20.5	22.7	22.7	25.0	25.0
35°	1066.9	584.7	75.1	47.8	31.8	22.7	18.2	20.5	22.7	25.0	25.0
37.5°	1117.0	561.9	68.2	43.2	27.3	20.5	15.9	18.2	47.8	52.3	52.3
40°	1180.7	534.6	63.7	38.7	22.7	15.9	13.6	36.4	43.2	50.0	50.0
42.5°	1271.7	518.7	59.1	36.4	20.5	13.6	13.6	31.8	61.4	68.2	68.2
45°	1346.7	491.4	56.9	31.8	18.2	11.4	22.7	43.2	50.0	63.7	61.4
47.5°	1440.0	466.4	54.6	29.6	15.9	11.4	25.0	45.5	63.7	72.8	72.8
50°	1540.1	452.7	52.3	27.3	15.9	11.4	43.2	43.2	52.3	81.9	81.9
52.5°	1667.5	443.6	47.8	22.7	13.6	22.7	59.1	52.3	63.7	84.2	84.2
55°	1728.9	414.0	45.5	20.5	11.4	22.7	63.7	59.1	66.0	88.7	88.7
57.5°	1783.5	384.5	40.9	20.5	11.4	29.6	68.2	75.1	63.7	77.3	86.4
60°	1833.6	354.9	36.4	18.2	11.4	36.4	75.1	104.6	88.7	104.6	104.6
62.5°	1949.6	332.1	31.8	20.5	9.1	40.9	97.8	127.4	100.1	127.4	125.1
65°	2058.8	304.8	29.6	18.2	11.4	47.8	106.9	147.9	109.2	147.9	147.9
67.5°	2102.0	270.7	27.3	18.2	11.4	54.6	106.9	163.8	129.7	166.1	168.3
70°	2026.9	222.9	25.0	20.5	13.6	61.4	111.5	175.2	138.8	193.4	193.4
72.5°	1722.1	152.4	25.0	22.7	27.3	68.2	131.9	182.0	145.6	232.0	234.3
75°	1285.3	86.4	27.3	25.0	29.6	77.3	145.6	188.8	152.4	234.3	234.3
77.5°	732.5	59.1	27.3	29.6	36.4	77.3	152.4	195.6	150.1	229.8	225.2
80°	254.8	43.2	27.3	34.1	45.5	77.3	154.7	193.4	145.6	213.8	213.8
82.5°	172.9	36.4	27.3	34.1	54.6	81.9	152.4	182.0	129.7	179.7	172.9
85°	161.5	29.6	29.6	36.4	59.1	81.9	138.8	157.0	109.2	134.2	131.9
87.5°	159.2	27.3	34.1	38.7	63.7	75.1	118.3	129.7	88.7	109.2	106.9
90°	166.1	27.3	36.4	40.9	59.1	61.4	95.5	109.2	72.8	86.4	84.2
92.5°	177.4	27.3	38.7	45.5	52.3	45.5	77.3	86.4	61.4	66.0	63.7
95°	188.8	27.3	43.2	47.8	43.2	34.1	59.1	70.5	50.0	47.8	47.8
97.5°	125.1	20.5	45.5	47.8	36.4	25.0	45.5	54.6	29.6	25.0	25.0
100°	40.9	15.9	47.8	50.0	34.1	18.2	38.7	40.9	22.7	11.4	11.4
102.5°	18.2	15.9	43.2	43.2	29.6	13.6	27.3	29.6	15.9	4.5	4.5
105°	15.9	9.1	25.0	31.8	20.5	6.8	13.6	15.9	9.1	4.5	4.5
107.5°	18.2	9.1	13.6	18.2	9.1	6.8	6.8	6.8	4.5	4.5	4.5
110°	18.2	9.1	6.8	11.4	9.1	6.8	4.5	4.5	4.5	6.8	6.8



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.5	9.1	6.8	9.1	6.8	6.8	4.5	4.5	9.1	15.9	15.9
115°	20.5	9.1	6.8	9.1	6.8	6.8	4.5	2.3	9.1	22.7	25.0
117.5°	22.7	11.4	4.5	6.8	4.5	4.5	4.5	2.3	11.4	29.6	29.6
120°	27.3	11.4	4.5	4.5	4.5	2.3	4.5	4.5	11.4	31.8	31.8
122.5°	27.3	13.6	4.5	4.5	4.5	2.3	2.3	4.5	13.6	29.6	31.8
125°	22.7	11.4	4.5	4.5	4.5	2.3	2.3	4.5	13.6	27.3	31.8
127.5°	18.2	11.4	4.5	4.5	4.5	2.3	2.3	4.5	13.6	22.7	25.0
130°	15.9	9.1	4.5	4.5	4.5	2.3	2.3	4.5	11.4	18.2	20.5
132.5°	11.4	6.8	4.5	4.5	4.5	2.3	2.3	2.3	11.4	18.2	18.2
135°	9.1	6.8	4.5	4.5	4.5	2.3	2.3	2.3	9.1	13.6	13.6
137.5°	4.5	2.3	4.5	4.5	4.5	2.3	2.3	2.3	6.8	6.8	6.8
140°	2.3	2.3	2.3	4.5	2.3	2.3	2.3	2.3	2.3	4.5	2.3
142.5°	2.3	2.3	2.3	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	2.3	2.3	2.3	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
155°	4.5	4.5	2.3	4.5	2.3	2.3	0.0	2.3	2.3	2.3	2.3
157.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
160°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
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)