

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: P560685

Luminaire Tested: **SDL-PA1-60-727-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560685
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-PA1-60-727-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 800mA 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: 4922.6 lumens
Efficiency: N/A
Efficacy: 78.9 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

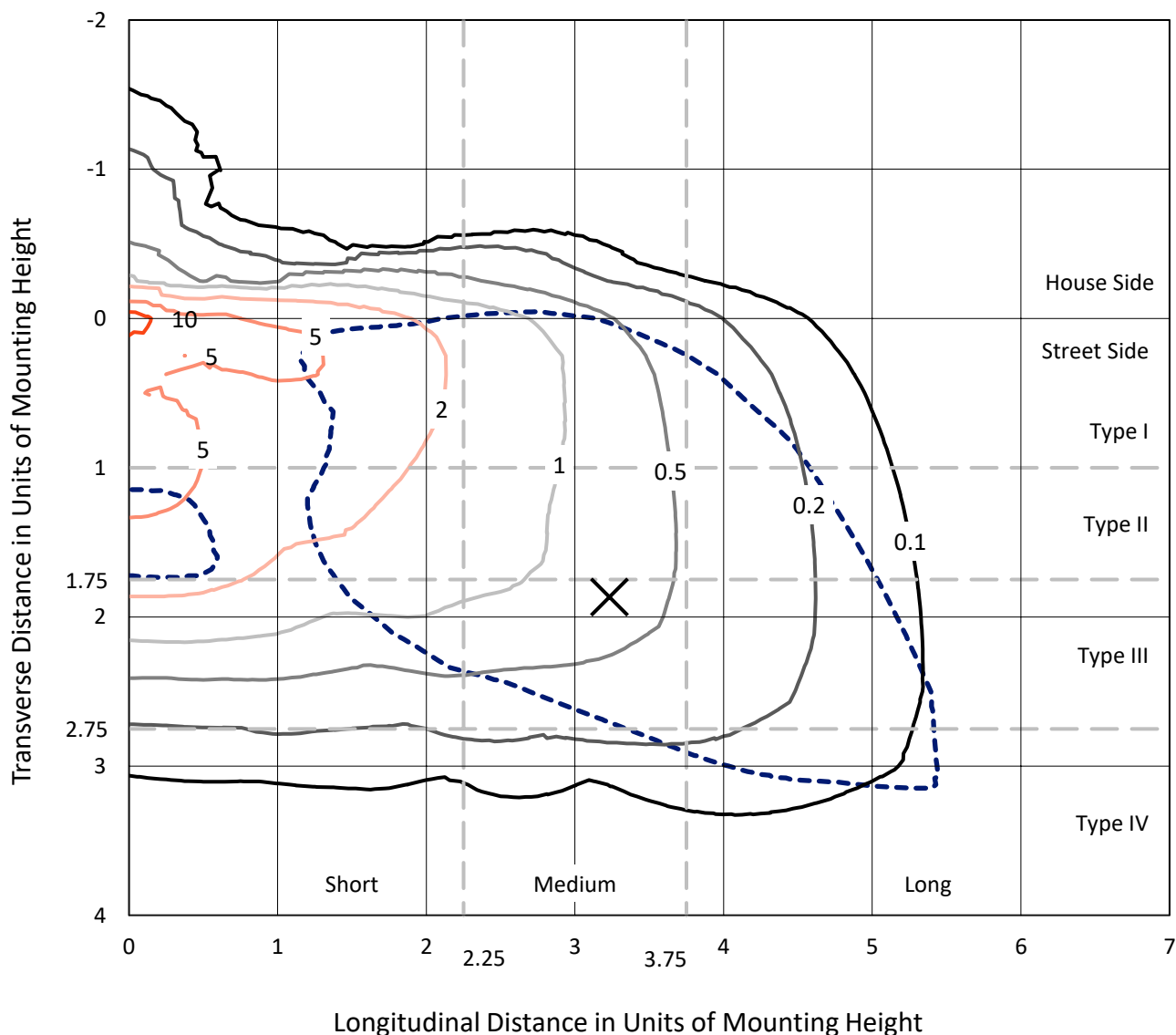
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

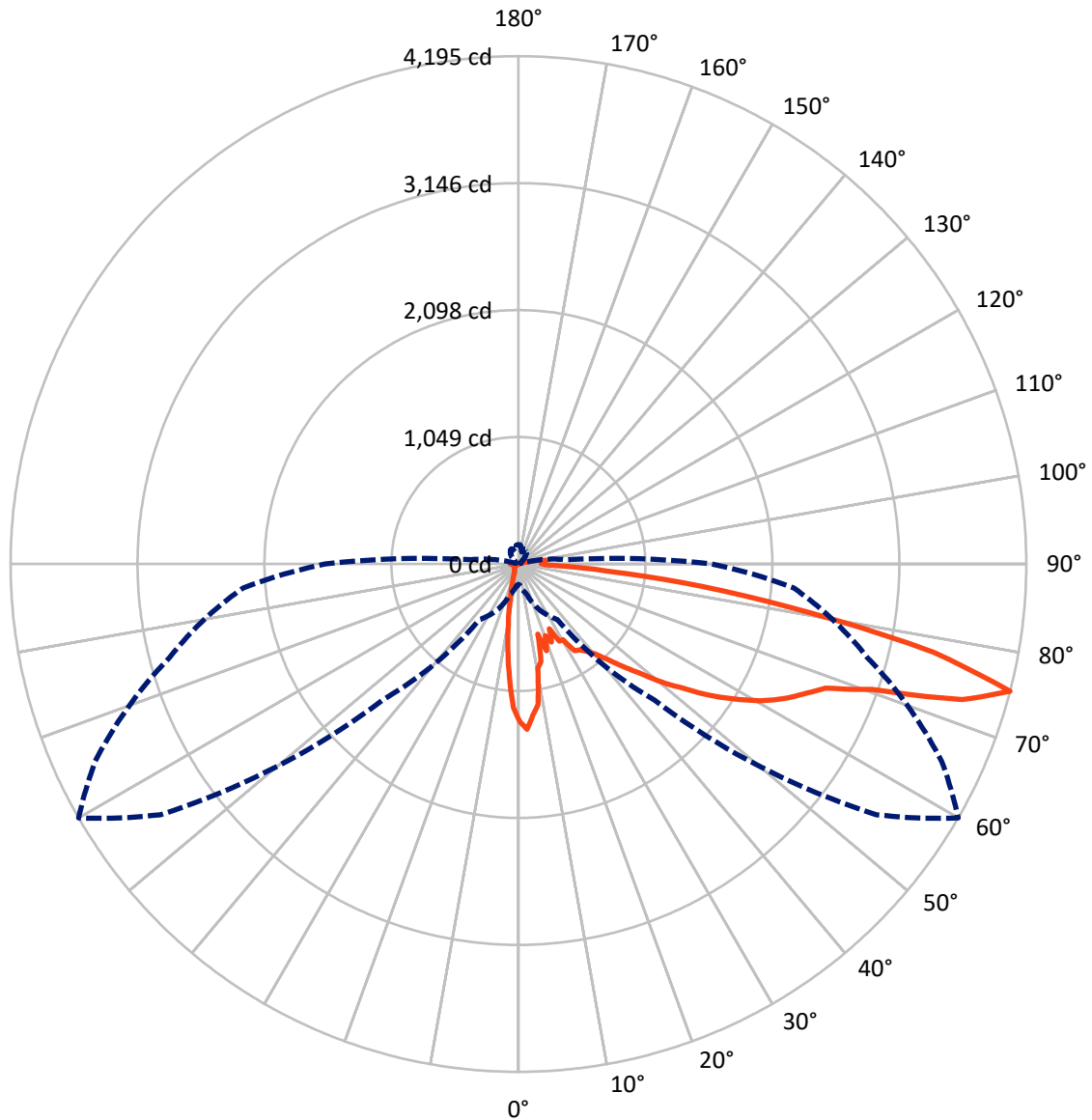
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type IV - 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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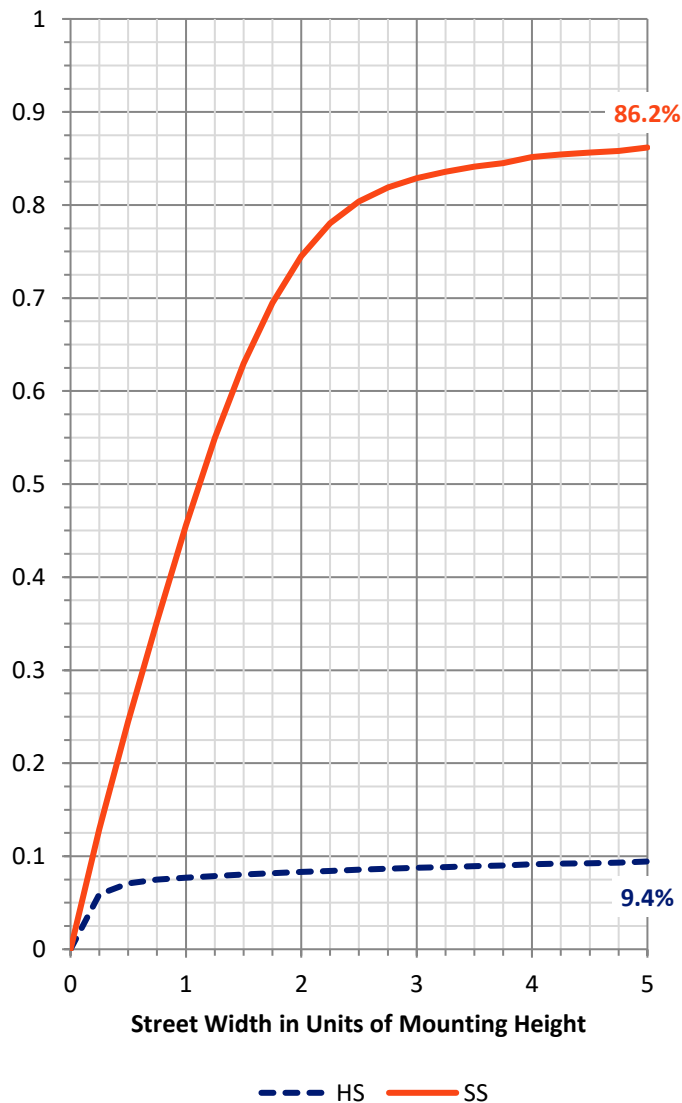
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	508.7	66.3	575.0
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	4278.3	69.3	4347.6
	% Fixture	86.9	1.4	88.3
Total	Lumens	4787.0	135.6	4922.6
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	1.8
10°-20°	148.1	3.0
20°-30°	209.4	4.3
30°-40°	376.3	7.6
40°-50°	634.1	12.9
50°-60°	986.3	20.0
60°-70°	1163.9	23.6
70°-80°	944.1	19.2
80°-90°	234.4	4.8
90°-100°	94.6	1.9
100°-110°	21.9	0.4
110°-120°	6.8	0.1
120°-130°	6.1	0.1
130°-140°	3.2	0.1
140°-150°	1.6	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4787.0	97.2
0°-180°	4922.6	100.0

Coefficient of Utilization



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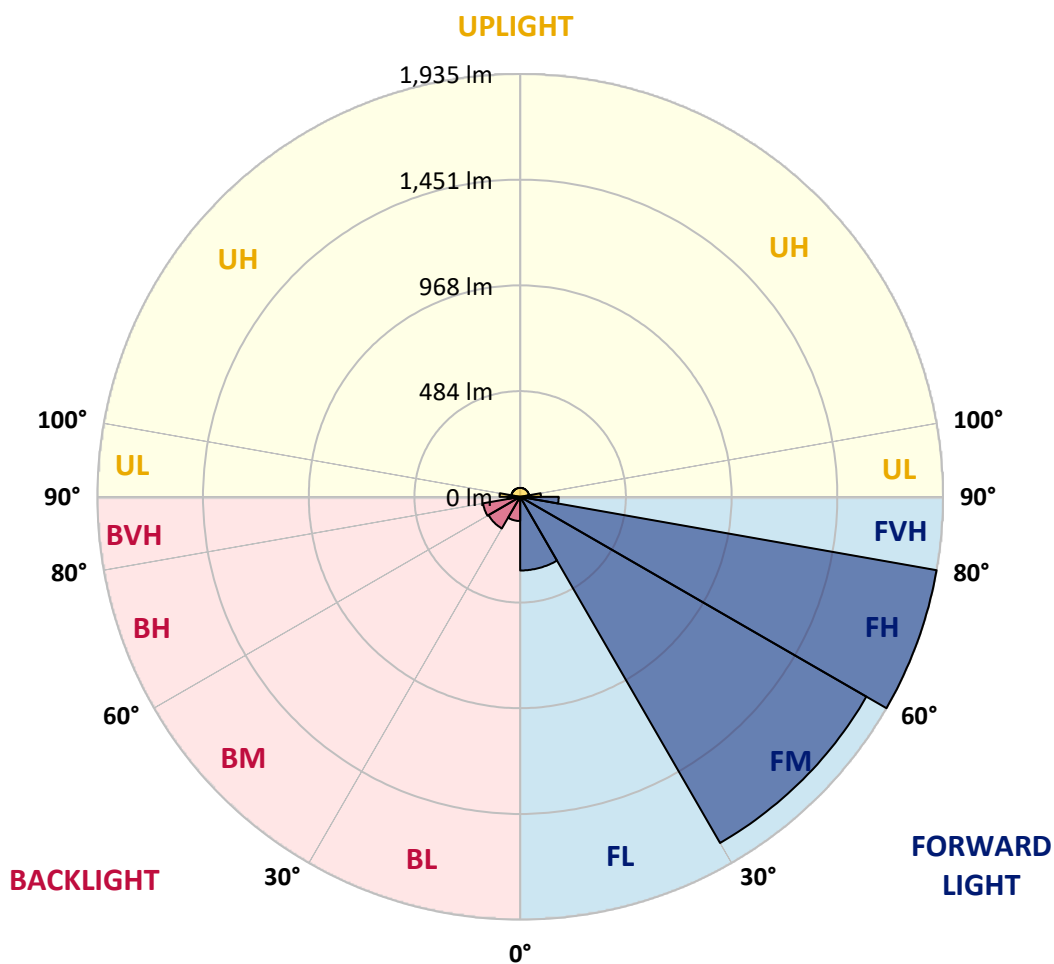
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	337.2	6.8			
FM	(30°-60°)	1829.6	37.2			
FH	(60°-80°)	1935.3	39.3			G2/5000
FVH	(80°-90°)	176.2	3.6			G2/225
BL	(0°-30°)	110.6	2.2	B1/500		
BM	(30°-60°)	167.2	3.4	B0/220		
BH	(60°-80°)	172.7	3.5	B1/500		G1/500
BVH	(80°-90°)	58.2	1.2			G1/100
UL	(90°-100°)	94.6	1.9		U3/500	
UH	(100°-180°)	41.0	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°	1301.3	1301.3	1301.3	1301.3	1301.3	1301.3	1301.3	1301.3	1301.3	1301.3	1301.3
2.5°	1223.9	1317.2	1289.9	1376.4	1387.7	1383.2	1378.6	1367.3	1355.9	1335.4	1303.6
5°	1173.9	1183.0	1176.2	1192.1	1194.4	1201.2	1189.8	1253.5	1360.4	1333.1	1283.1
7.5°	964.6	1060.1	1071.5	1101.1	1128.4	1155.7	1171.6	1169.3	1032.8	1160.2	1103.4
10°	985.1	998.7	996.4	1016.9	994.2	955.5	871.3	873.6	873.6	900.9	930.5
12.5°	780.3	821.3	921.4	953.2	885.0	805.3	812.2	828.1	839.5	712.1	784.9
15°	885.0	887.2	889.5	889.5	666.6	762.1	664.3	600.6	687.0	841.7	855.4
17.5°	693.9	687.0	800.8	791.7	734.8	566.5	737.1	753.0	723.4	707.5	712.1
20°	814.4	814.4	807.6	643.8	677.9	730.3	632.4	630.2	666.6	828.1	837.2
22.5°	659.7	652.9	689.3	716.6	643.8	696.1	623.3	700.7	775.8	732.5	598.3
25°	825.8	825.8	798.5	621.1	666.6	598.3	691.6	593.8	659.7	896.3	853.1
27.5°	764.4	743.9	680.2	705.2	598.3	696.1	637.0	721.2	762.1	928.2	994.2
30°	987.3	980.5	907.7	709.8	680.2	639.3	684.8	725.7	878.1	1203.5	1148.9
32.5°	1317.2	1280.8	1032.8	878.1	714.3	757.6	730.3	853.1	964.6	1230.8	1164.8
35°	1405.9	1378.6	1260.3	1067.0	800.8	800.8	784.9	871.3	989.6	1289.9	1198.9
37.5°	1435.5	1433.2	1392.3	1167.1	919.1	921.4	830.4	914.5	1039.7	1369.5	1249.0
40°	1453.7	1458.2	1499.2	1271.7	1044.2	1039.7	914.5	976.0	1117.0	1456.0	1340.0
42.5°	1531.0	1556.1	1606.1	1387.7	1162.5	1164.8	1016.9	1073.8	1219.4	1599.3	1465.1
45°	1703.9	1710.8	1740.3	1547.0	1274.0	1289.9	1146.6	1205.7	1344.5	1756.3	1606.1
47.5°	1965.6	1965.6	1915.5	1672.1	1405.9	1428.7	1283.1	1344.5	1492.4	1986.0	1769.9
50°	2197.6	2179.4	2070.2	1820.0	1512.8	1562.9	1462.8	1533.3	1617.5	2161.2	1974.7
52.5°	2343.2	2336.4	2202.2	1920.1	1626.6	1710.8	1610.7	1701.7	1763.1	2343.2	2158.9
55°	2322.7	2322.7	2236.3	1972.4	1731.2	1845.0	1801.8	1915.5	1938.3	2516.1	2293.2
57.5°	2245.4	2256.8	2215.8	1992.9	1751.7	1972.4	1997.4	2104.3	2143.0	2616.2	2377.3
60°	2088.4	2111.2	2154.4	2020.2	1831.3	2115.7	2197.6	2293.2	2366.0	2691.3	2447.9
62.5°	1794.9	1824.5	1976.9	2017.9	1892.8	2263.6	2368.2	2452.4	2520.7	2732.2	2497.9
65°	1360.4	1415.0	1635.7	1872.3	1888.2	2436.5	2507.0	2588.9	2654.9	2773.2	2627.6
67.5°	869.0	871.3	1110.2	1547.0	1760.8	2679.9	2693.6	2734.5	2777.7	2886.9	2811.9
70°	448.2	470.9	584.7	987.3	1442.3	2730.0	3159.9	3100.8	3034.8	3134.9	3050.7
72.5°	298.0	323.0	384.5	532.3	905.4	2461.5	3667.2	3831.0	3539.8	3319.2	2841.4
75°	168.3	182.0	257.1	420.9	559.6	1590.2	3610.4	4195.0	3858.3	2982.5	2284.1
77.5°	75.1	79.6	116.0	329.9	480.0	775.8	2841.4	3505.7	3371.5	2486.5	1647.1
80°	40.9	40.9	54.6	152.4	407.2	584.7	1885.9	2441.0	2293.2	1499.2	748.5
82.5°	22.7	25.0	31.8	72.8	248.0	534.6	1192.1	1531.0	1210.3	411.8	302.6
85°	9.1	9.1	13.6	38.7	91.0	452.7	652.9	728.0	489.1	209.3	234.3
87.5°	4.5	4.5	4.5	13.6	29.6	116.0	213.8	229.8	179.7	166.1	202.5
90°	6.8	6.8	4.5	4.5	20.5	122.8	179.7	188.8	147.9	166.1	204.7
92.5°	9.1	6.8	4.5	4.5	15.9	122.8	204.7	202.5	147.9	166.1	211.6
95°	11.4	9.1	4.5	4.5	15.9	109.2	245.7	220.7	159.2	168.3	222.9
97.5°	11.4	11.4	4.5	4.5	15.9	84.2	259.3	222.9	138.8	109.2	152.4
100°	13.6	13.6	4.5	4.5	18.2	50.0	179.7	166.1	97.8	36.4	43.2
102.5°	15.9	15.9	4.5	4.5	11.4	25.0	86.4	84.2	54.6	9.1	15.9
105°	15.9	18.2	4.5	4.5	4.5	11.4	31.8	38.7	27.3	9.1	15.9
107.5°	18.2	20.5	4.5	4.5	4.5	6.8	13.6	13.6	9.1	9.1	15.9
110°	18.2	18.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	9.1	15.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	13.6	13.6	2.3	4.5	4.5	4.5	2.3	4.5	4.5	6.8	13.6
115°	6.8	4.5	2.3	4.5	2.3	4.5	2.3	4.5	6.8	6.8	15.9
117.5°	2.3	2.3	2.3	2.3	2.3	4.5	2.3	4.5	4.5	11.4	20.5
120°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	15.9	25.0
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	15.9	29.6
125°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	11.4	27.3
127.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	11.4	22.7
130°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	9.1	20.5
132.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	9.1	15.9
135°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	11.4
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5
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	0.0	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	2.3	2.3	2.3	2.3	2.3	2.3
150°	9.1	9.1	9.1	6.8	4.5	2.3	6.8	4.5	2.3	2.3	2.3
152.5°	6.8	6.8	11.4	4.5	2.3	2.3	2.3	6.8	6.8	2.3	2.3
155°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	2.3	2.3	6.8	9.1
157.5°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	4.5	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°	1301.3	1301.3	1301.3	1301.3	1301.3	1301.3	1301.3	1301.3	1301.3	1301.3	1301.3
2.5°	1292.2	1278.5	1242.1	1208.0	1167.1	1142.0	1055.6	957.8	937.3	932.7	916.8
5°	1260.3	1230.8	1160.2	1010.1	859.9	791.7	759.8	734.8	700.7	693.9	684.8
7.5°	1069.2	1019.2	910.0	725.7	703.0	639.3	586.9	543.7	450.4	425.4	411.8
10°	889.5	846.3	621.1	527.8	480.0	432.2	375.4	332.1	293.5	275.3	268.4
12.5°	718.9	675.7	464.1	418.6	298.0	245.7	213.8	177.4	147.9	131.9	131.9
15°	796.2	725.7	480.0	298.0	195.6	145.6	106.9	95.5	111.5	113.7	113.7
17.5°	650.6	580.1	377.6	232.0	143.3	79.6	86.4	97.8	106.9	93.3	95.5
20°	748.5	650.6	379.9	175.2	91.0	77.3	79.6	72.8	97.8	100.1	100.1
22.5°	566.5	511.9	286.6	138.8	70.5	72.8	68.2	81.9	91.0	79.6	77.3
25°	732.5	602.9	291.2	88.7	70.5	59.1	70.5	63.7	84.2	86.4	86.4
27.5°	839.5	675.7	254.8	77.3	59.1	63.7	56.9	66.0	63.7	63.7	63.7
30°	953.2	737.1	248.0	75.1	56.9	52.3	54.6	52.3	61.4	63.7	63.7
32.5°	953.2	705.2	188.8	75.1	54.6	50.0	43.2	47.8	50.0	54.6	56.9
35°	960.0	677.9	138.8	68.2	50.0	43.2	38.7	38.7	43.2	45.5	45.5
37.5°	980.5	659.7	106.9	63.7	45.5	38.7	31.8	34.1	59.1	66.0	66.0
40°	1037.4	659.7	91.0	59.1	40.9	34.1	27.3	43.2	50.0	59.1	59.1
42.5°	1126.1	668.8	86.4	56.9	36.4	29.6	22.7	34.1	61.4	70.5	72.8
45°	1219.4	687.0	81.9	54.6	34.1	25.0	27.3	40.9	47.8	63.7	63.7
47.5°	1349.1	725.7	79.6	52.3	31.8	20.5	25.0	40.9	52.3	68.2	68.2
50°	1490.1	766.7	75.1	50.0	27.3	18.2	38.7	34.1	43.2	70.5	70.5
52.5°	1635.7	814.4	72.8	47.8	25.0	25.0	43.2	40.9	52.3	68.2	70.5
55°	1763.1	853.1	68.2	47.8	22.7	22.7	45.5	40.9	47.8	63.7	66.0
57.5°	1824.5	859.9	66.0	45.5	20.5	22.7	43.2	50.0	43.2	52.3	56.9
60°	1901.9	878.1	59.1	40.9	18.2	29.6	50.0	66.0	59.1	68.2	72.8
62.5°	1974.7	891.8	52.3	36.4	15.9	31.8	66.0	79.6	63.7	79.6	88.7
65°	2108.9	921.4	43.2	29.6	13.6	36.4	75.1	95.5	70.5	93.3	93.3
67.5°	2295.4	969.1	34.1	25.0	13.6	40.9	77.3	109.2	84.2	102.4	100.1
70°	2368.2	891.8	29.6	22.7	13.6	47.8	84.2	118.3	88.7	113.7	113.7
72.5°	2065.7	643.8	25.0	22.7	22.7	54.6	104.6	129.7	97.8	143.3	141.0
75°	1594.7	404.9	25.0	22.7	27.3	68.2	118.3	138.8	104.6	159.2	157.0
77.5°	1062.4	191.1	25.0	25.0	31.8	75.1	127.4	147.9	116.0	177.4	175.2
80°	416.3	104.6	27.3	27.3	38.7	79.6	136.5	152.4	120.6	191.1	188.8
82.5°	200.2	72.8	27.3	27.3	52.3	88.7	145.6	159.2	125.1	193.4	191.1
85°	170.6	68.2	25.0	29.6	63.7	111.5	154.7	157.0	127.4	184.3	184.3
87.5°	152.4	66.0	25.0	29.6	86.4	129.7	161.5	154.7	136.5	179.7	179.7
90°	157.0	70.5	27.3	34.1	97.8	131.9	163.8	154.7	131.9	166.1	166.1
92.5°	168.3	75.1	29.6	36.4	97.8	122.8	152.4	138.8	122.8	141.0	138.8
95°	177.4	79.6	31.8	40.9	86.4	95.5	127.4	111.5	102.4	109.2	109.2
97.5°	136.5	61.4	36.4	45.5	66.0	56.9	79.6	72.8	54.6	45.5	45.5
100°	36.4	20.5	38.7	45.5	45.5	38.7	59.1	54.6	36.4	15.9	15.9
102.5°	13.6	13.6	36.4	43.2	36.4	29.6	43.2	40.9	29.6	4.5	4.5
105°	13.6	11.4	22.7	34.1	22.7	15.9	22.7	27.3	18.2	4.5	4.5
107.5°	13.6	11.4	13.6	20.5	9.1	6.8	9.1	9.1	9.1	2.3	4.5
110°	13.6	11.4	6.8	9.1	6.8	6.8	6.8	4.5	4.5	9.1	9.1



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CANDELA DISTRIBUTION (continued):

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