

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: P560693

Luminaire Tested: **SDL-PA1-60-727-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
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-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4260.7 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
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

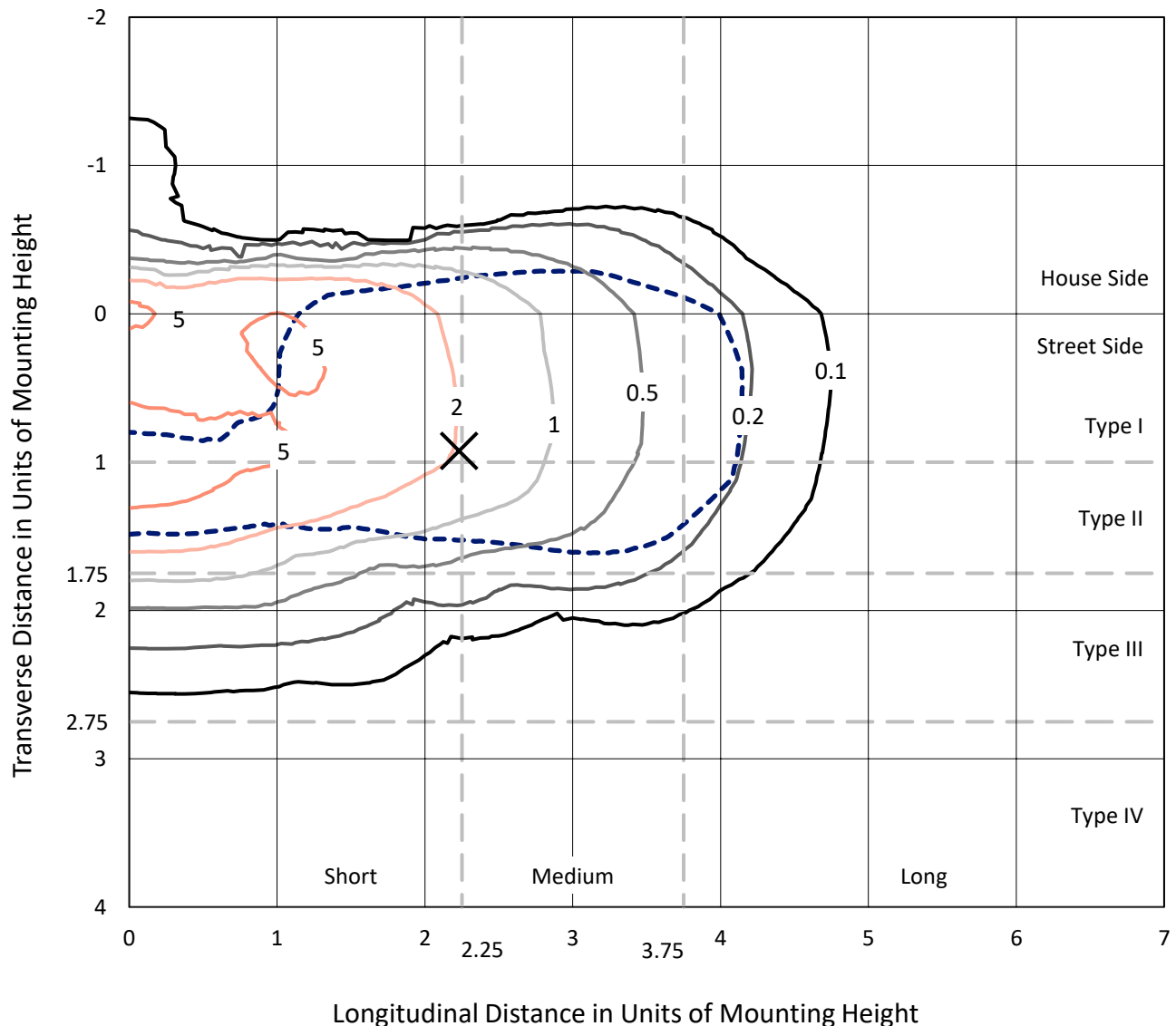


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

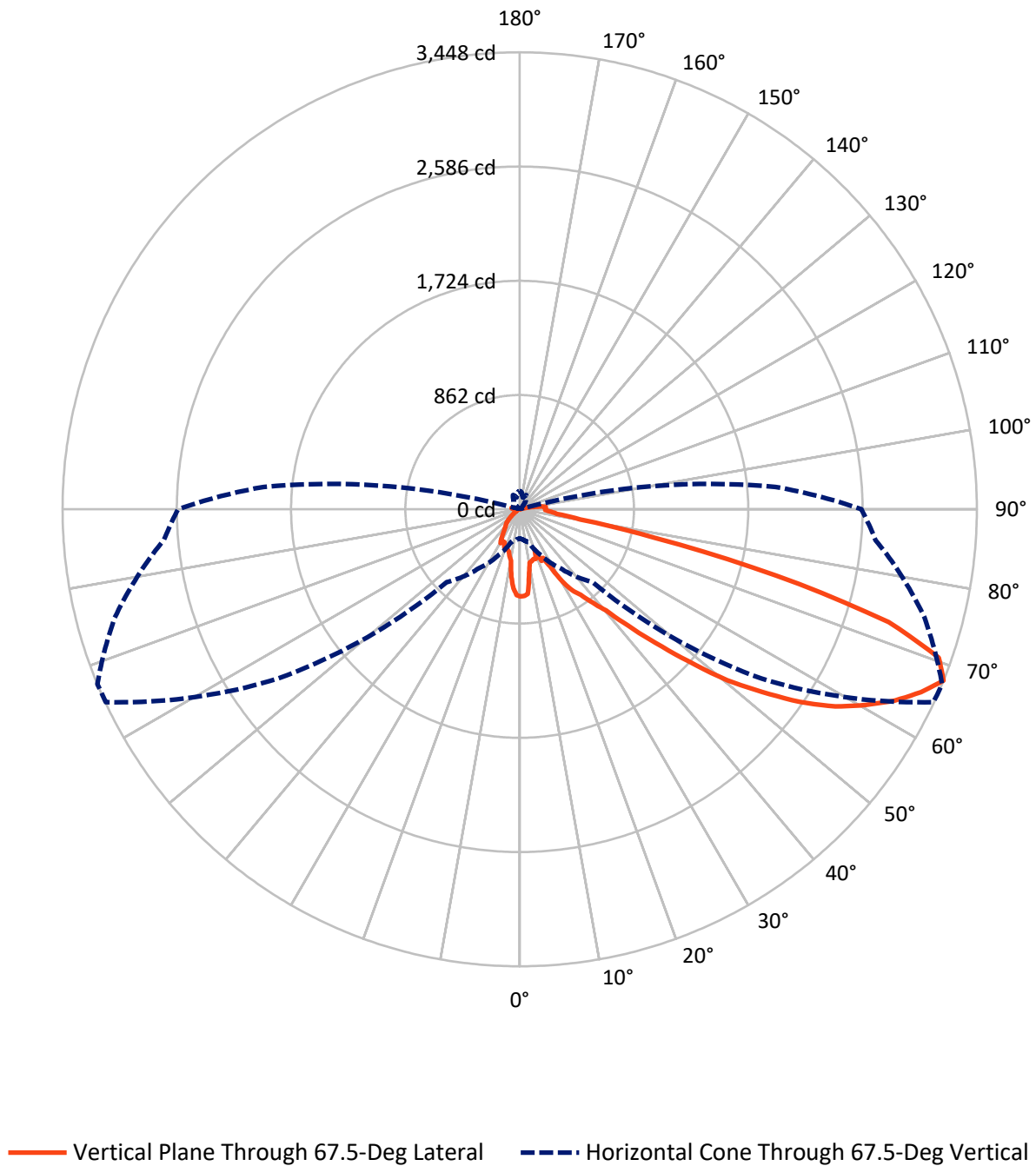


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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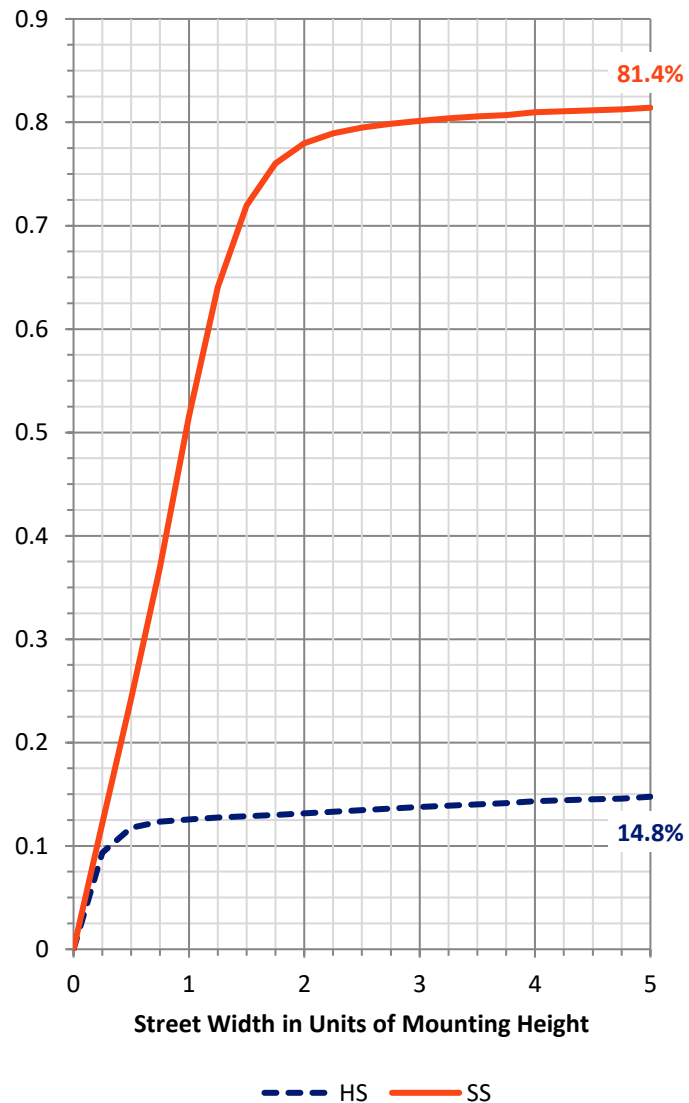
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	666.7	49.7	716.4
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	3491.5	52.8	3544.3
	% Fixture	81.9	1.2	83.2
Total	Lumens	4158.2	102.5	4260.7
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	1.2
10°-20°	96.3	2.3
20°-30°	145.3	3.4
30°-40°	334.6	7.9
40°-50°	746.0	17.5
50°-60°	1110.0	26.1
60°-70°	990.0	23.2
70°-80°	555.7	13.0
80°-90°	129.7	3.0
90°-100°	71.2	1.7
100°-110°	16.4	0.4
110°-120°	6.4	0.2
120°-130°	4.3	0.1
130°-140°	2.2	0.1
140°-150°	1.1	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4158.2	97.6
0°-180°	4260.7	100.0

Coefficient of Utilization



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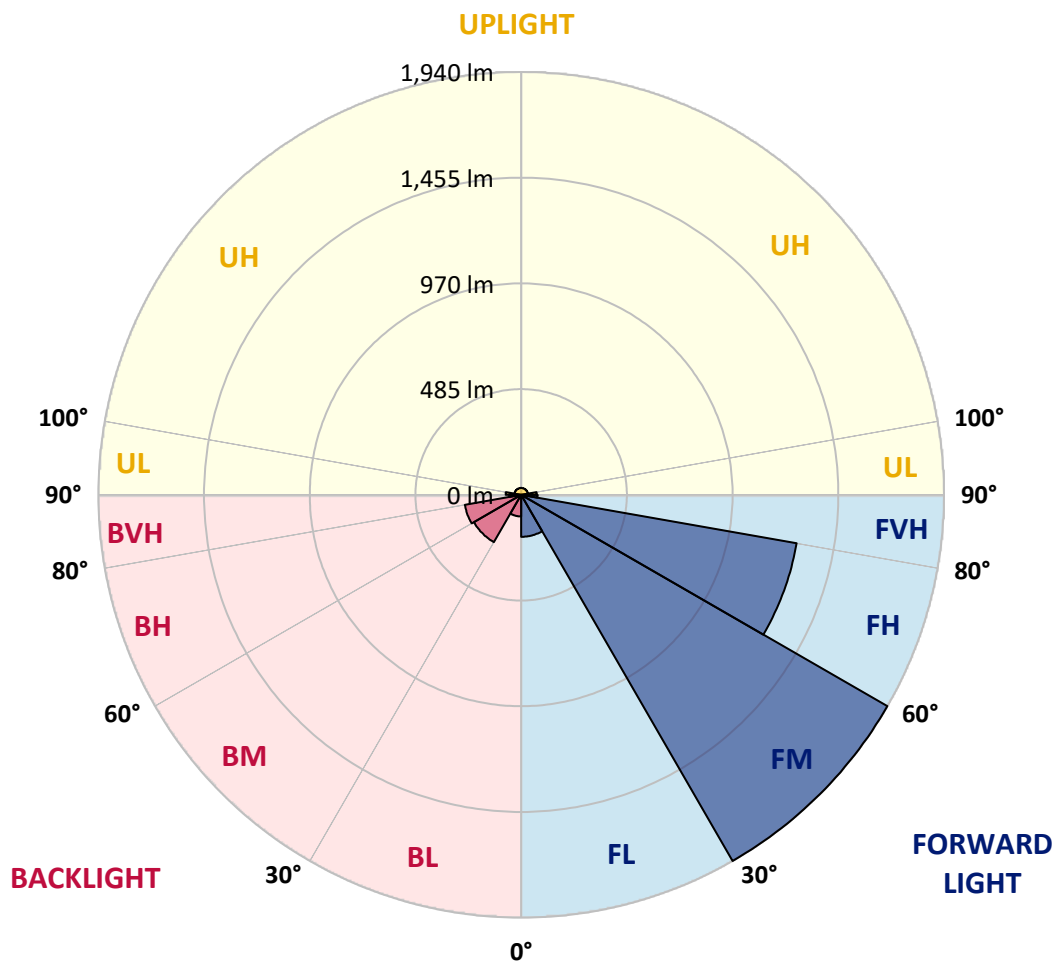
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.7	4.5			
FM	(30°-60°)	1940.0	45.5			
FH	(60°-80°)	1283.4	30.1			G1/1800
FVH	(80°-90°)	75.3	1.8			G1/100
BL	(0°-30°)	99.4	2.3	B0/110		
BM	(30°-60°)	250.6	5.9	B1/1000		
BH	(60°-80°)	262.3	6.2	B1/500		G1/500
BVH	(80°-90°)	54.4	1.3			G1/100
UL	(90°-100°)	71.2	1.7		U3/500	
UH	(100°-180°)	31.3	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3
2.5°	557.2	589.0	623.1	645.9	650.4	657.3	657.3	655.0	655.0	652.7	652.7
5°	541.3	539.0	541.3	545.8	543.5	543.5	543.5	634.5	641.3	645.9	645.9
7.5°	466.2	477.6	514.0	527.6	532.2	536.7	536.7	529.9	504.9	559.5	566.3
10°	507.2	504.9	504.9	509.4	475.3	461.7	416.2	409.4	409.4	427.6	486.7
12.5°	425.3	450.3	484.4	498.1	459.4	407.1	395.7	404.8	402.5	352.5	411.6
15°	482.1	482.1	477.6	468.5	361.6	404.8	341.1	341.1	388.9	418.5	470.8
17.5°	391.2	402.5	459.4	452.6	398.0	304.7	398.0	366.2	393.4	368.4	395.7
20°	479.9	477.6	479.9	366.2	404.8	418.5	398.0	357.1	325.2	427.6	473.0
22.5°	395.7	391.2	413.9	452.6	382.1	434.4	363.9	434.4	423.0	379.8	341.1
25°	511.7	509.4	514.0	400.3	448.0	388.9	448.0	388.9	407.1	486.7	498.1
27.5°	461.7	459.4	452.6	489.0	425.3	491.2	423.0	475.3	489.0	527.6	611.8
30°	650.4	641.3	618.6	491.2	500.3	473.0	500.3	584.5	630.0	707.3	732.3
32.5°	948.4	900.6	750.5	650.4	529.9	604.9	566.3	686.8	730.0	768.7	789.2
35°	1225.8	1205.3	1096.2	859.7	645.9	668.6	639.1	768.7	793.7	875.6	871.0
37.5°	1605.6	1571.5	1403.2	1109.8	811.9	802.8	727.8	875.6	893.8	1012.0	989.3
40°	1889.9	1862.6	1730.7	1378.2	1032.5	952.9	850.6	1023.4	1002.9	1162.1	1130.3
42.5°	2162.8	2146.9	2044.5	1685.2	1275.8	1184.9	977.9	1205.3	1200.8	1339.5	1312.2
45°	2383.4	2365.2	2299.2	1960.4	1555.6	1557.8	1178.1	1405.5	1437.3	1569.2	1498.7
47.5°	2513.0	2474.4	2426.6	2178.7	1837.6	1914.9	1473.7	1632.9	1710.2	1823.9	1717.0
50°	2483.5	2444.8	2449.3	2317.4	2096.8	2221.9	1789.8	1874.0	2028.6	2117.3	1905.8
52.5°	2246.9	2224.2	2299.2	2292.4	2228.7	2503.9	2158.2	2135.5	2287.9	2347.0	2099.1
55°	1910.4	1878.5	2019.5	2119.6	2228.7	2679.0	2499.4	2426.6	2565.3	2556.2	2231.0
57.5°	1451.0	1462.3	1621.5	1778.4	2046.8	2713.2	2751.8	2742.7	2806.4	2729.1	2335.6
60°	991.6	998.4	1223.5	1400.9	1678.4	2533.5	2833.7	3004.3	2997.4	2874.6	2453.9
62.5°	623.1	620.9	791.4	1071.2	1207.6	2062.7	2801.9	3202.1	3177.1	2983.8	2544.9
65°	359.3	368.4	429.8	709.6	839.2	1407.7	2617.6	3395.4	3324.9	3081.6	2642.7
67.5°	220.6	227.4	257.0	384.3	548.1	777.8	2226.5	3443.2	3447.7	3161.2	2695.0
70°	186.5	188.8	202.4	236.5	382.1	436.7	1498.7	3220.3	3352.2	3179.4	2679.0
72.5°	156.9	159.2	179.7	207.0	284.3	309.3	673.2	2660.9	2911.0	3040.6	2563.1
75°	116.0	118.3	147.8	188.8	207.0	247.9	368.4	1762.5	1999.0	2403.9	2185.5
77.5°	75.0	77.3	104.6	152.4	175.1	195.6	297.9	823.3	1041.6	1389.6	1380.5
80°	50.0	50.0	61.4	106.9	138.7	159.2	259.3	407.1	463.9	573.1	536.7
82.5°	31.8	31.8	38.7	66.0	88.7	159.2	243.3	291.1	282.0	286.6	254.7
85°	13.6	13.6	20.5	36.4	47.8	104.6	218.3	250.2	238.8	238.8	227.4
87.5°	4.5	4.5	6.8	11.4	15.9	31.8	168.3	200.1	193.3	200.1	216.1
90°	4.5	4.5	2.3	4.5	4.5	22.7	136.5	197.9	193.3	202.4	222.9
92.5°	6.8	6.8	2.3	2.3	4.5	18.2	106.9	204.7	197.9	211.5	232.0
95°	11.4	11.4	4.5	2.3	6.8	15.9	66.0	181.9	197.9	209.2	236.5
97.5°	13.6	13.6	4.5	4.5	6.8	13.6	34.1	147.8	152.4	159.2	186.5
100°	18.2	18.2	4.5	4.5	4.5	11.4	18.2	77.3	79.6	56.9	91.0
102.5°	18.2	18.2	4.5	4.5	4.5	6.8	9.1	34.1	31.8	11.4	11.4
105°	20.5	20.5	6.8	4.5	4.5	4.5	4.5	11.4	11.4	6.8	13.6
107.5°	20.5	20.5	6.8	6.8	4.5	4.5	2.3	4.5	6.8	6.8	13.6
110°	15.9	15.9	6.8	6.8	4.5	2.3	2.3	2.3	4.5	6.8	15.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	11.4	11.4	4.5	6.8	4.5	2.3	2.3	2.3	4.5	9.1	22.7
115°	4.5	4.5	2.3	4.5	2.3	2.3	2.3	4.5	4.5	6.8	18.2
117.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	2.3	6.8	15.9
120°	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	9.1	15.9
122.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	9.1	15.9
125°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	6.8	13.6
127.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.5	13.6
130°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.5	9.1
132.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.5	6.8
135°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	4.5
137.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3
140°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	2.3	2.3	4.5	4.5	2.3	0.0	4.5	2.3	2.3	2.3	2.3
152.5°	4.5	4.5	4.5	4.5	2.3	0.0	2.3	4.5	2.3	2.3	2.3
155°	4.5	4.5	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.5	6.8
157.5°	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3	0.0	0.0	2.3
160°	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3	0.0	0.0	0.0
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°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3
2.5°	650.4	650.4	648.2	648.2	641.3	639.1	609.5	577.7	552.6	554.9	554.9
5°	643.6	639.1	632.2	586.8	529.9	520.8	520.8	516.3	514.0	516.3	516.3
7.5°	561.7	557.2	529.9	507.2	509.4	504.9	495.8	493.5	454.8	416.2	413.9
10°	484.4	477.6	404.8	388.9	386.6	402.5	441.2	427.6	413.9	398.0	404.8
12.5°	404.8	402.5	336.6	373.0	325.2	334.3	343.4	329.8	282.0	227.4	234.2
15°	468.5	461.7	382.1	309.3	277.5	279.7	184.2	177.4	143.3	129.6	122.8
17.5°	348.0	382.1	334.3	309.3	279.7	145.6	118.3	91.0	81.9	66.0	68.2
20°	466.2	457.1	382.1	288.8	216.1	122.8	66.0	52.3	63.7	66.0	66.0
22.5°	329.8	320.7	322.9	307.0	152.4	70.5	50.0	52.3	47.8	45.5	45.5
25°	484.4	468.5	391.2	234.2	113.7	45.5	47.8	36.4	43.2	43.2	43.2
27.5°	589.0	534.4	411.6	227.4	63.7	45.5	34.1	36.4	29.6	29.6	29.6
30°	705.0	673.2	539.0	211.5	50.0	36.4	31.8	25.0	27.3	27.3	27.3
32.5°	757.3	714.1	539.0	168.3	43.2	34.1	25.0	22.7	22.7	25.0	25.0
35°	832.4	786.9	536.7	111.4	36.4	27.3	20.5	20.5	20.5	20.5	20.5
37.5°	946.1	880.1	545.8	70.5	29.6	22.7	15.9	18.2	18.2	38.7	38.7
40°	1073.4	998.4	520.8	50.0	25.0	18.2	13.6	22.7	31.8	34.1	34.1
42.5°	1234.9	1153.0	484.4	43.2	22.7	13.6	11.4	18.2	27.3	43.2	43.2
45°	1428.2	1305.4	434.4	38.7	18.2	11.4	11.4	22.7	34.1	40.9	40.9
47.5°	1601.1	1453.2	348.0	36.4	15.9	9.1	15.9	25.0	29.6	47.8	47.8
50°	1803.5	1607.9	266.1	31.8	13.6	9.1	25.0	27.3	34.1	43.2	43.2
52.5°	1953.6	1737.5	202.4	29.6	13.6	6.8	25.0	25.0	38.7	50.0	50.0
55°	2074.1	1808.0	145.6	25.0	11.4	6.8	29.6	31.8	34.1	38.7	38.7
57.5°	2167.3	1858.0	113.7	22.7	11.4	15.9	36.4	40.9	36.4	38.7	38.7
60°	2274.2	1883.1	84.1	20.5	9.1	15.9	43.2	54.6	40.9	59.1	56.9
62.5°	2372.0	1901.3	68.2	20.5	9.1	18.2	47.8	68.2	54.6	79.6	81.9
65°	2494.8	1924.0	56.9	15.9	9.1	25.0	56.9	91.0	72.8	104.6	109.2
67.5°	2576.7	1937.6	47.8	15.9	9.1	29.6	79.6	118.3	91.0	131.9	136.5
70°	2585.8	1887.6	38.7	15.9	9.1	45.5	109.2	143.3	113.7	168.3	170.6
72.5°	2467.5	1744.3	31.8	18.2	9.1	50.0	127.4	166.0	134.2	222.9	225.1
75°	1994.5	1223.5	29.6	18.2	9.1	63.7	138.7	181.9	150.1	232.0	236.5
77.5°	1225.8	566.3	27.3	20.5	13.6	70.5	141.0	193.3	156.9	232.0	238.8
80°	475.3	279.7	25.0	22.7	31.8	79.6	152.4	195.6	156.9	216.1	225.1
82.5°	220.6	163.7	25.0	25.0	40.9	81.9	150.1	181.9	145.6	193.3	191.0
85°	197.9	161.5	27.3	27.3	43.2	70.5	118.3	154.6	125.1	152.4	152.4
87.5°	193.3	159.2	29.6	34.1	43.2	40.9	91.0	131.9	106.9	113.7	113.7
90°	197.9	166.0	31.8	38.7	36.4	22.7	72.8	109.2	81.9	72.8	70.5
92.5°	211.5	168.3	38.7	45.5	34.1	18.2	61.4	88.7	59.1	47.8	45.5
95°	222.9	172.8	47.8	54.6	36.4	15.9	54.6	70.5	43.2	29.6	27.3
97.5°	186.5	134.2	54.6	59.1	36.4	15.9	47.8	56.9	34.1	15.9	15.9
100°	79.6	59.1	56.9	63.7	34.1	13.6	40.9	45.5	22.7	6.8	9.1
102.5°	15.9	18.2	50.0	59.1	27.3	9.1	27.3	27.3	15.9	2.3	4.5
105°	15.9	13.6	31.8	50.0	15.9	4.5	11.4	15.9	6.8	2.3	2.3
107.5°	15.9	15.9	11.4	25.0	6.8	4.5	4.5	6.8	4.5	2.3	2.3
110°	18.2	15.9	4.5	6.8	4.5	4.5	4.5	4.5	2.3	11.4	13.6

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CANDELA DISTRIBUTION (continued):

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