

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: P560983

Luminaire Tested: **SDL-PA1-70-827-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-827-U-T3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4357.8 lumens
Efficiency: N/A
Efficacy: 60.4 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): 72.2
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

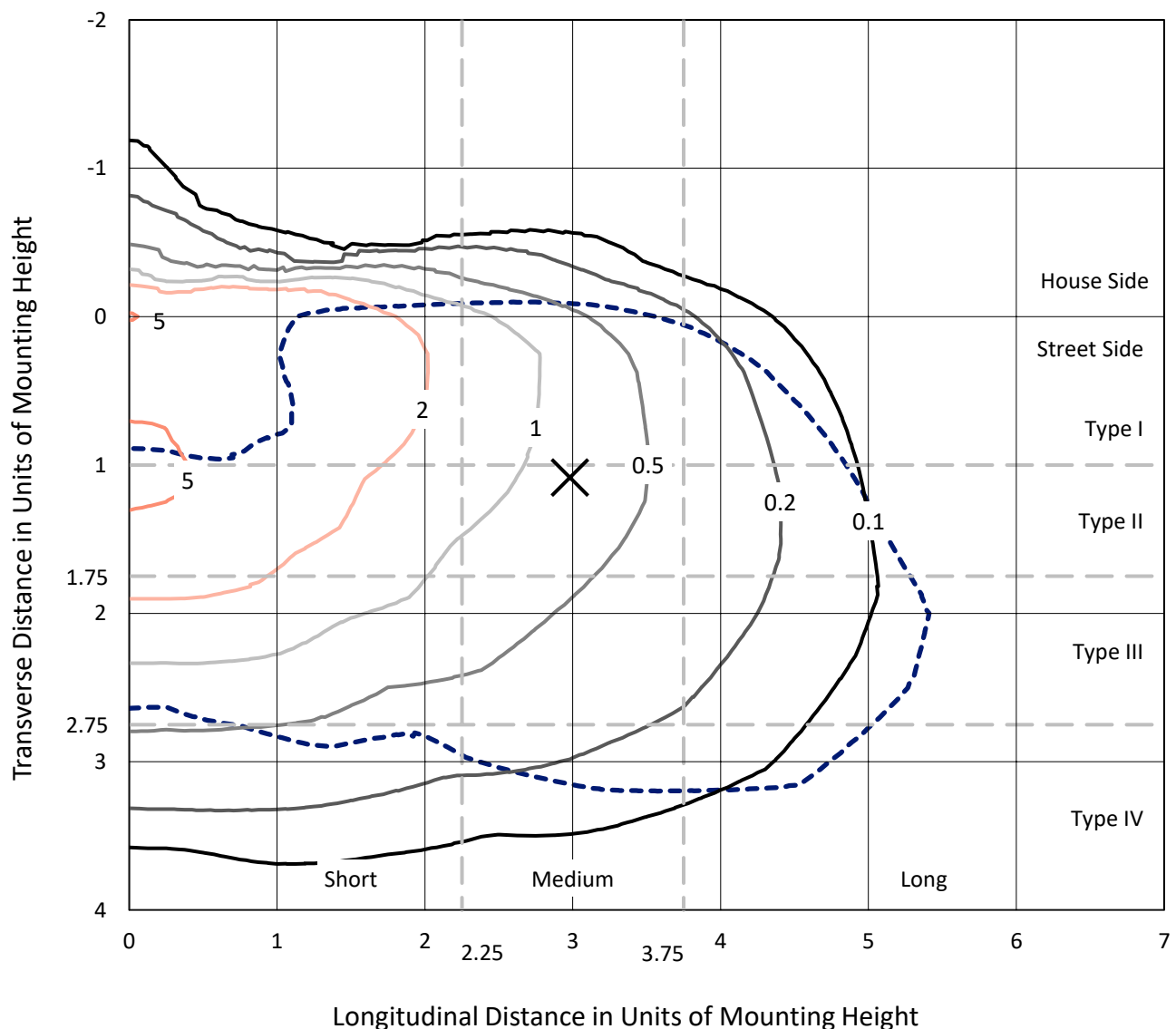


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

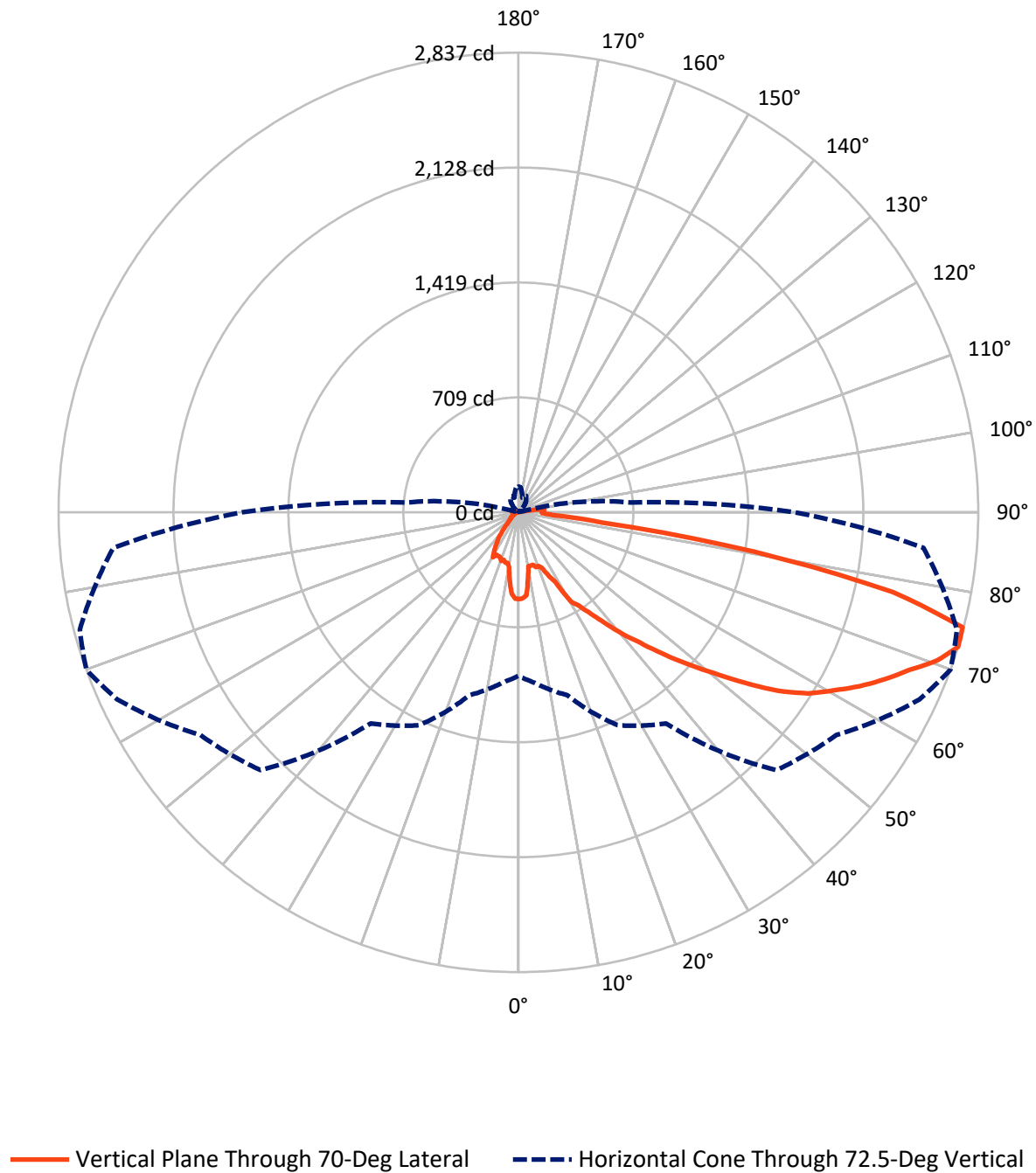


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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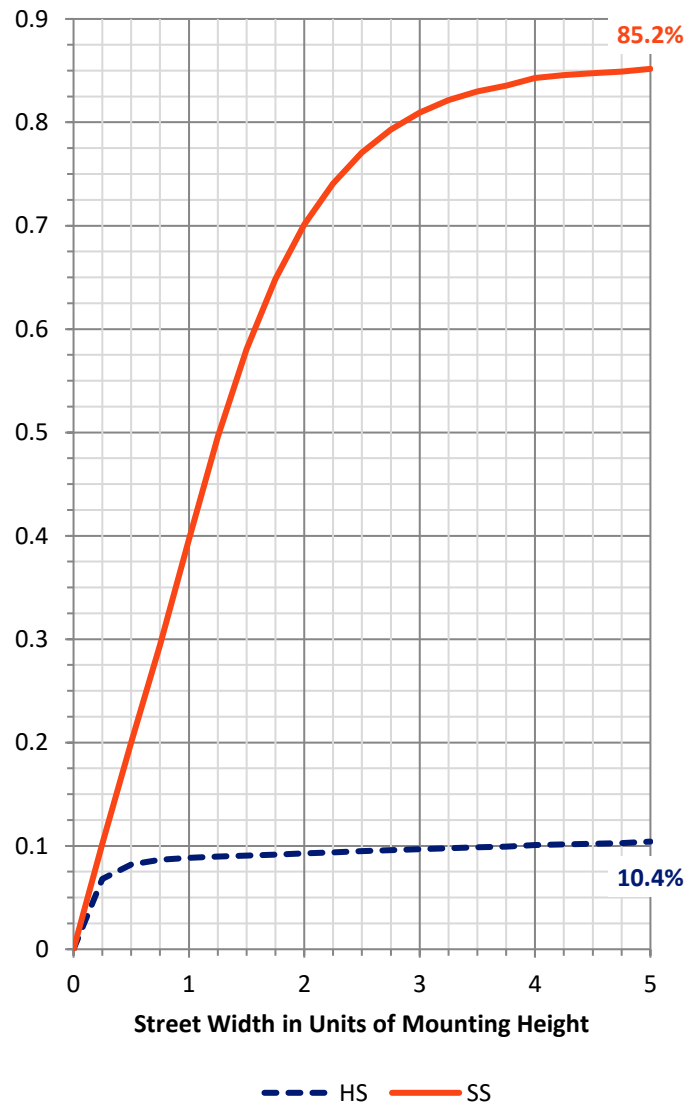
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	499.5	70.3	569.8
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	3731.1	56.9	3788.0
	% Fixture	85.6	1.3	86.9
Total	Lumens	4230.7	127.2	4357.8
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	0.9
10°-20°	81.6	1.9
20°-30°	132.2	3.0
30°-40°	282.5	6.5
40°-50°	555.3	12.7
50°-60°	927.3	21.3
60°-70°	1150.9	26.4
70°-80°	886.3	20.3
80°-90°	173.3	4.0
90°-100°	94.0	2.2
100°-110°	19.4	0.4
110°-120°	5.5	0.1
120°-130°	4.3	0.1
130°-140°	2.0	0.0
140°-150°	0.9	0.0
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4230.7	97.1
0°-180°	4357.8	100.0

Coefficient of Utilization



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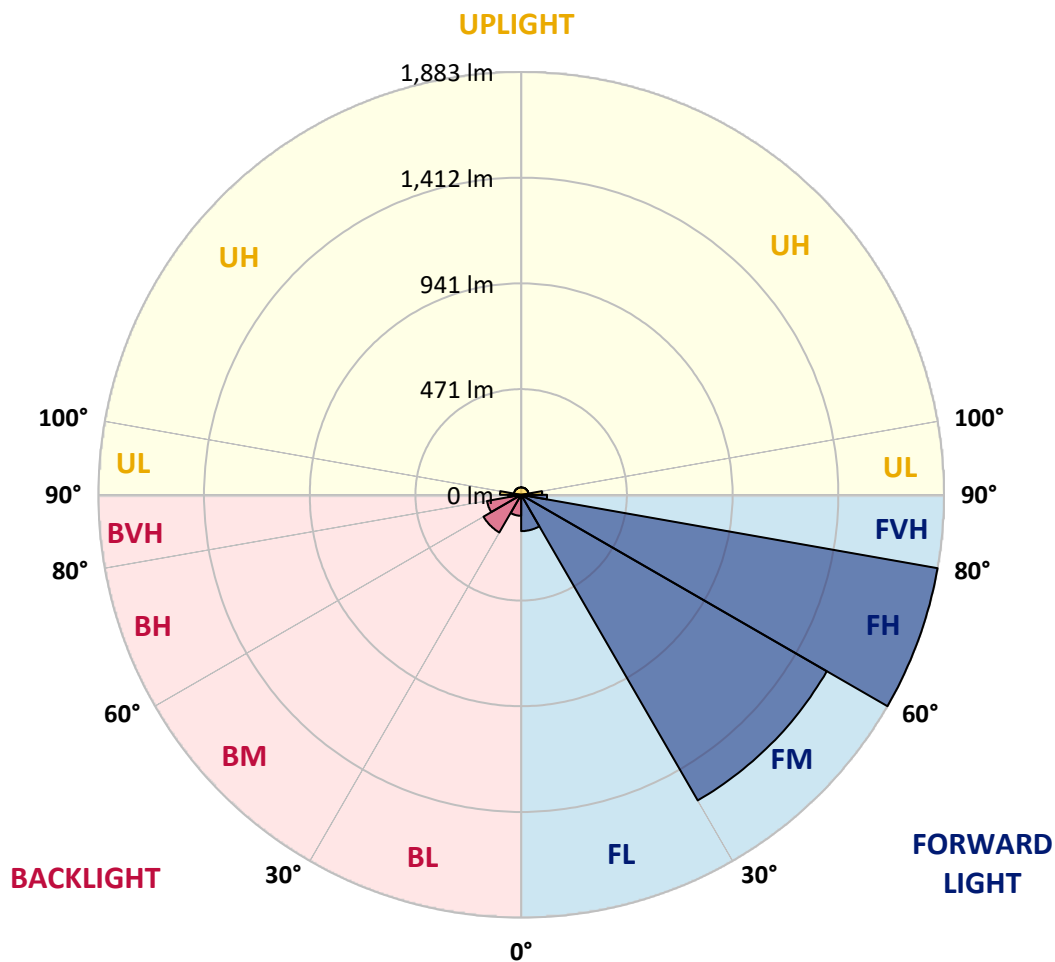
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.6	3.7			
FM	(30°-60°)	1571.3	36.1			
FH	(60°-80°)	1882.8	43.2			G2/5000
FVH	(80°-90°)	115.3	2.6			G2/225
BL	(0°-30°)	93.5	2.1	B0/110		
BM	(30°-60°)	193.7	4.4	B0/220		
BH	(60°-80°)	154.4	3.5	B1/500		G1/500
BVH	(80°-90°)	58.0	1.3			G1/100
UL	(90°-100°)	94.0	2.2		U3/500	
UH	(100°-180°)	33.1	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°	65°	70°	75°	85°
0°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3
2.5°	451.4	501.3	503.5	508.1	512.6	519.4	530.7	530.7	530.7	530.7	533.0
5°	428.7	428.7	428.7	433.2	433.2	437.7	440.0	508.1	514.9	521.7	521.7
7.5°	356.1	390.1	392.4	406.0	421.9	428.7	433.2	428.7	421.9	449.1	460.4
10°	390.1	390.1	390.1	394.7	372.0	360.6	333.4	335.7	337.9	358.4	408.3
12.5°	324.3	344.8	365.2	387.8	358.4	322.1	315.3	333.4	337.9	301.7	358.4
15°	378.8	376.5	376.5	356.1	297.1	322.1	281.2	297.1	335.7	367.4	426.4
17.5°	313.0	303.9	353.8	349.3	317.5	254.0	324.3	322.1	356.1	328.9	367.4
20°	372.0	369.7	369.7	285.8	315.3	342.5	337.9	315.3	353.8	394.7	465.0
22.5°	313.0	308.5	317.5	342.5	313.0	353.8	308.5	390.1	372.0	360.6	337.9
25°	394.7	392.4	392.4	313.0	353.8	324.3	390.1	356.1	430.9	469.5	512.6
27.5°	353.8	353.8	337.9	362.9	337.9	408.3	374.2	449.1	487.6	512.6	619.2
30°	489.9	492.2	465.0	360.6	376.5	383.3	442.3	555.7	639.6	700.8	766.6
32.5°	705.4	691.8	578.4	492.2	399.2	474.0	489.9	646.4	687.2	753.0	809.7
35°	959.4	952.6	852.8	637.3	480.8	508.1	546.6	703.1	766.6	832.4	866.4
37.5°	1134.1	1127.3	1063.7	812.0	580.6	592.0	596.5	782.5	864.2	929.9	945.8
40°	1276.9	1265.6	1227.1	948.1	714.5	691.8	669.1	891.4	984.4	1038.8	1045.6
42.5°	1492.4	1474.3	1376.7	1104.6	850.5	825.6	748.5	986.6	1097.8	1170.3	1174.9
45°	1751.0	1735.1	1599.0	1322.3	995.7	988.9	889.1	1109.1	1240.7	1326.8	1301.9
47.5°	1927.9	1884.8	1807.7	1531.0	1220.2	1161.3	1045.6	1233.9	1394.9	1524.2	1453.9
50°	2088.9	2057.2	1991.4	1762.3	1462.9	1383.6	1208.9	1376.7	1558.2	1676.1	1580.9
52.5°	2238.6	2191.0	2136.6	1934.7	1671.6	1633.0	1369.9	1519.6	1746.4	1844.0	1712.4
55°	2313.5	2238.6	2229.6	2091.2	1832.6	1800.9	1551.4	1696.5	1943.8	2011.8	1837.2
57.5°	2191.0	2188.7	2259.0	2186.5	1964.2	1948.3	1735.1	1887.1	2109.3	2141.1	1959.7
60°	2109.3	2111.6	2218.2	2222.8	2079.9	2088.9	1900.7	2107.1	2231.8	2252.2	2075.3
62.5°	1966.5	1982.3	2143.4	2247.7	2109.3	2222.8	2041.3	2259.0	2363.4	2370.2	2218.2
65°	1787.3	1803.2	1966.5	2179.7	2077.6	2311.2	2159.2	2429.2	2483.6	2488.1	2374.7
67.5°	1578.6	1585.4	1766.9	2002.7	2000.5	2343.0	2231.8	2542.6	2599.3	2612.9	2508.5
70°	1347.3	1338.2	1503.8	1775.9	1834.9	2327.1	2320.3	2653.7	2739.9	2737.6	2601.5
72.5°	1009.3	1052.4	1168.1	1449.3	1589.9	2250.0	2395.1	2730.8	2837.4	2801.1	2508.5
75°	344.8	367.4	680.4	923.1	1224.8	2043.6	2411.0	2735.3	2830.6	2669.6	2052.6
77.5°	113.4	106.6	152.0	367.4	680.4	1415.3	2120.7	2386.1	2361.1	2075.3	1261.1
80°	54.4	56.7	68.0	129.3	249.5	641.9	1331.4	1510.6	1476.5	1088.7	546.6
82.5°	36.3	38.6	45.4	74.8	140.6	220.0	707.7	689.5	521.7	342.5	224.5
85°	15.9	15.9	22.7	38.6	86.2	145.2	269.9	235.9	213.2	197.3	183.7
87.5°	4.5	4.5	9.1	13.6	29.5	90.7	152.0	142.9	147.4	154.2	174.6
90°	4.5	4.5	4.5	4.5	22.7	95.3	154.2	145.2	145.2	154.2	183.7
92.5°	6.8	6.8	4.5	4.5	20.4	95.3	161.0	138.4	147.4	156.5	197.3
95°	6.8	9.1	4.5	2.3	15.9	97.5	165.6	147.4	161.0	158.8	210.9
97.5°	9.1	9.1	4.5	2.3	9.1	83.9	167.8	120.2	122.5	113.4	165.6
100°	11.3	11.3	4.5	4.5	6.8	43.1	124.7	77.1	47.6	36.3	54.4
102.5°	13.6	13.6	4.5	4.5	4.5	15.9	56.7	45.4	24.9	6.8	13.6
105°	13.6	15.9	4.5	4.5	2.3	6.8	24.9	18.1	9.1	6.8	13.6
107.5°	15.9	15.9	4.5	4.5	2.3	4.5	6.8	6.8	4.5	6.8	13.6
110°	15.9	15.9	6.8	4.5	2.3	4.5	2.3	4.5	4.5	6.8	15.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	11.3	11.3	4.5	6.8	2.3	2.3	2.3	4.5	4.5	6.8	13.6
115°	6.8	4.5	2.3	4.5	2.3	2.3	2.3	4.5	4.5	4.5	11.3
117.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	6.8	13.6
120°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	9.1	15.9
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	9.1	18.1
125°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	6.8	15.9
127.5°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	4.5	6.8	13.6
130°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	4.5	9.1
132.5°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	4.5	9.1
135°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	4.5
137.5°	2.3	2.3	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
140°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	0.0	0.0	0.0	0.0	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°	4.5	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
152.5°	4.5	4.5	4.5	2.3	2.3	2.3	2.3	4.5	4.5	2.3	2.3
155°	2.3	2.3	2.3	0.0	0.0	2.3	2.3	2.3	2.3	4.5	4.5
157.5°	0.0	2.3	2.3	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	0.0	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°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3
2.5°	533.0	533.0	530.7	535.3	533.0	533.0	503.5	474.0	467.2	469.5	474.0
5°	523.9	523.9	523.9	487.6	446.8	433.2	437.7	437.7	437.7	435.5	440.0
7.5°	462.7	460.4	453.6	412.8	430.9	428.7	426.4	421.9	367.4	353.8	353.8
10°	410.5	410.5	351.6	335.7	335.7	349.3	358.4	344.8	337.9	326.6	324.3
12.5°	360.6	360.6	301.7	335.7	283.5	281.2	274.4	251.8	213.2	186.0	188.3
15°	428.7	428.7	356.1	285.8	238.2	224.5	140.6	131.6	127.0	124.7	122.5
17.5°	365.2	367.4	328.9	283.5	222.3	117.9	99.8	99.8	99.8	95.3	86.2
20°	462.7	462.7	383.3	254.0	167.8	93.0	77.1	68.0	93.0	93.0	93.0
22.5°	335.7	331.1	337.9	258.6	104.3	74.8	63.5	79.4	83.9	70.3	70.3
25°	508.1	501.3	410.5	186.0	86.2	59.0	70.3	61.2	79.4	79.4	79.4
27.5°	626.0	580.6	417.3	170.1	63.5	68.0	56.7	68.0	61.2	59.0	59.0
30°	753.0	732.6	503.5	133.8	61.2	56.7	59.0	54.4	63.5	59.0	59.0
32.5°	793.8	773.4	455.9	104.3	59.0	54.4	49.9	52.2	49.9	52.2	52.2
35°	846.0	825.6	403.7	79.4	54.4	47.6	45.4	45.4	43.1	40.8	40.8
37.5°	920.9	886.8	344.8	68.0	49.9	43.1	36.3	34.0	36.3	45.4	47.6
40°	1007.0	950.3	272.2	61.2	43.1	36.3	27.2	31.8	38.6	38.6	38.6
42.5°	1131.8	1027.5	201.9	56.7	38.6	29.5	20.4	24.9	29.5	40.8	40.8
45°	1240.7	1072.8	142.9	52.2	31.8	22.7	15.9	24.9	31.8	36.3	36.3
47.5°	1367.7	1115.9	106.6	49.9	29.5	15.9	18.1	24.9	24.9	38.6	38.6
50°	1474.3	1125.0	86.2	45.4	22.7	11.3	22.7	22.7	27.2	34.0	34.0
52.5°	1574.1	1134.1	77.1	40.8	18.1	9.1	22.7	22.7	31.8	40.8	40.8
55°	1639.8	1106.8	70.3	36.3	15.9	6.8	24.9	24.9	24.9	31.8	31.8
57.5°	1692.0	1072.8	65.8	31.8	13.6	13.6	27.2	31.8	27.2	31.8	31.8
60°	1726.0	1011.6	56.7	29.5	11.3	13.6	34.0	40.8	31.8	47.6	47.6
62.5°	1787.3	963.9	49.9	27.2	9.1	13.6	34.0	52.2	40.8	63.5	65.8
65°	1837.2	920.9	43.1	20.4	9.1	18.1	38.6	65.8	49.9	79.4	81.7
67.5°	1857.6	868.7	36.3	18.1	9.1	20.4	49.9	81.7	63.5	93.0	93.0
70°	1841.7	814.3	29.5	18.1	9.1	31.8	65.8	95.3	77.1	113.4	115.7
72.5°	1703.4	694.0	22.7	18.1	6.8	34.0	81.7	113.4	93.0	154.2	158.8
75°	1304.2	440.0	22.7	18.1	9.1	38.6	95.3	131.6	111.1	172.4	179.2
77.5°	796.1	204.1	22.7	20.4	11.3	47.6	104.3	152.0	122.5	186.0	190.5
80°	353.8	127.0	22.7	22.7	22.7	59.0	122.5	167.8	138.4	197.3	204.1
82.5°	176.9	95.3	20.4	22.7	34.0	70.3	145.2	179.2	142.9	204.1	206.4
85°	152.0	86.2	20.4	24.9	36.3	81.7	156.5	181.4	149.7	201.9	204.1
87.5°	145.2	81.7	24.9	24.9	40.8	86.2	161.0	190.5	154.2	195.1	192.8
90°	152.0	79.4	27.2	29.5	52.2	88.5	163.3	186.0	154.2	183.7	183.7
92.5°	156.5	77.1	29.5	34.0	63.5	99.8	161.0	181.4	154.2	170.1	170.1
95°	161.0	77.1	34.0	38.6	63.5	108.9	154.2	165.6	142.9	152.0	149.7
97.5°	122.5	56.7	40.8	43.1	59.0	83.9	124.7	129.3	93.0	90.7	88.5
100°	43.1	24.9	40.8	47.6	36.3	36.3	74.8	90.7	54.4	34.0	38.6
102.5°	13.6	11.3	36.3	47.6	29.5	13.6	38.6	56.7	40.8	4.5	4.5
105°	13.6	13.6	20.4	38.6	20.4	4.5	13.6	31.8	24.9	4.5	4.5
107.5°	13.6	11.3	9.1	22.7	6.8	4.5	6.8	6.8	6.8	2.3	4.5
110°	15.9	11.3	4.5	6.8	4.5	4.5	4.5	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°	15.9	11.3	4.5	6.8	4.5	4.5	4.5	2.3	4.5	11.3	13.6
115°	13.6	11.3	4.5	4.5	4.5	4.5	2.3	2.3	4.5	13.6	13.6
117.5°	15.9	13.6	4.5	4.5	2.3	4.5	2.3	2.3	4.5	13.6	15.9
120°	18.1	15.9	4.5	4.5	2.3	2.3	2.3	2.3	4.5	11.3	13.6
122.5°	18.1	18.1	4.5	2.3	2.3	2.3	2.3	2.3	6.8	11.3	11.3
125°	15.9	15.9	4.5	2.3	2.3	2.3	2.3	2.3	6.8	11.3	11.3
127.5°	13.6	13.6	4.5	2.3	2.3	2.3	2.3	2.3	4.5	9.1	11.3
130°	11.3	11.3	4.5	2.3	2.3	2.3	0.0	2.3	4.5	9.1	9.1
132.5°	9.1	6.8	4.5	2.3	2.3	2.3	0.0	2.3	4.5	6.8	9.1
135°	6.8	6.8	2.3	2.3	2.3	2.3	0.0	0.0	4.5	4.5	6.8
137.5°	4.5	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	4.5	4.5
140°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	0.0	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	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3
155°	4.5	4.5	4.5	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°	2.3	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)