

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: P560697

Luminaire Tested: **SDL-PA1-60-727-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560697
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-PA1-60-727-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 800mA 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: 4372.3 lumens
Efficiency: N/A
Efficacy: 70.1 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

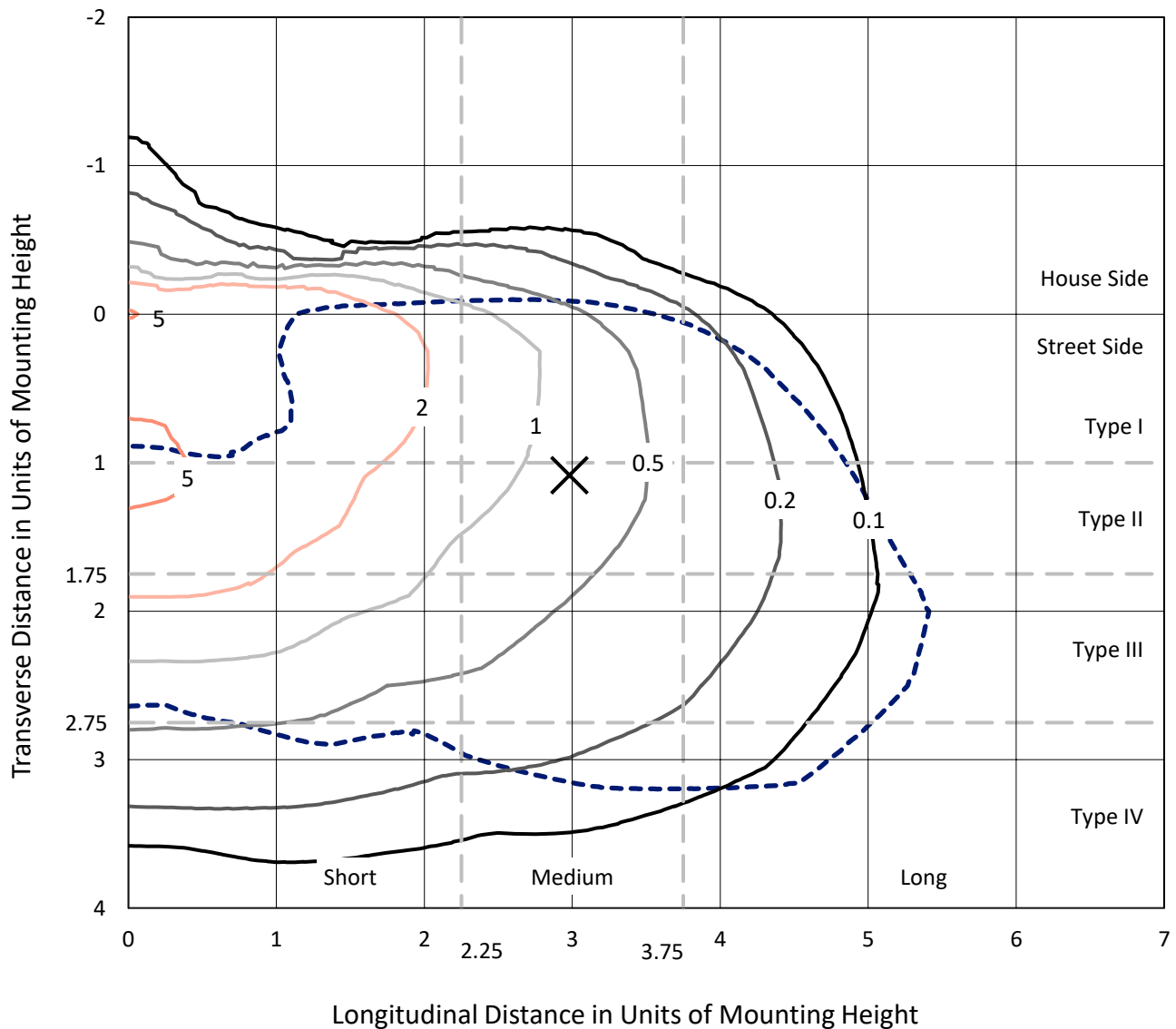


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

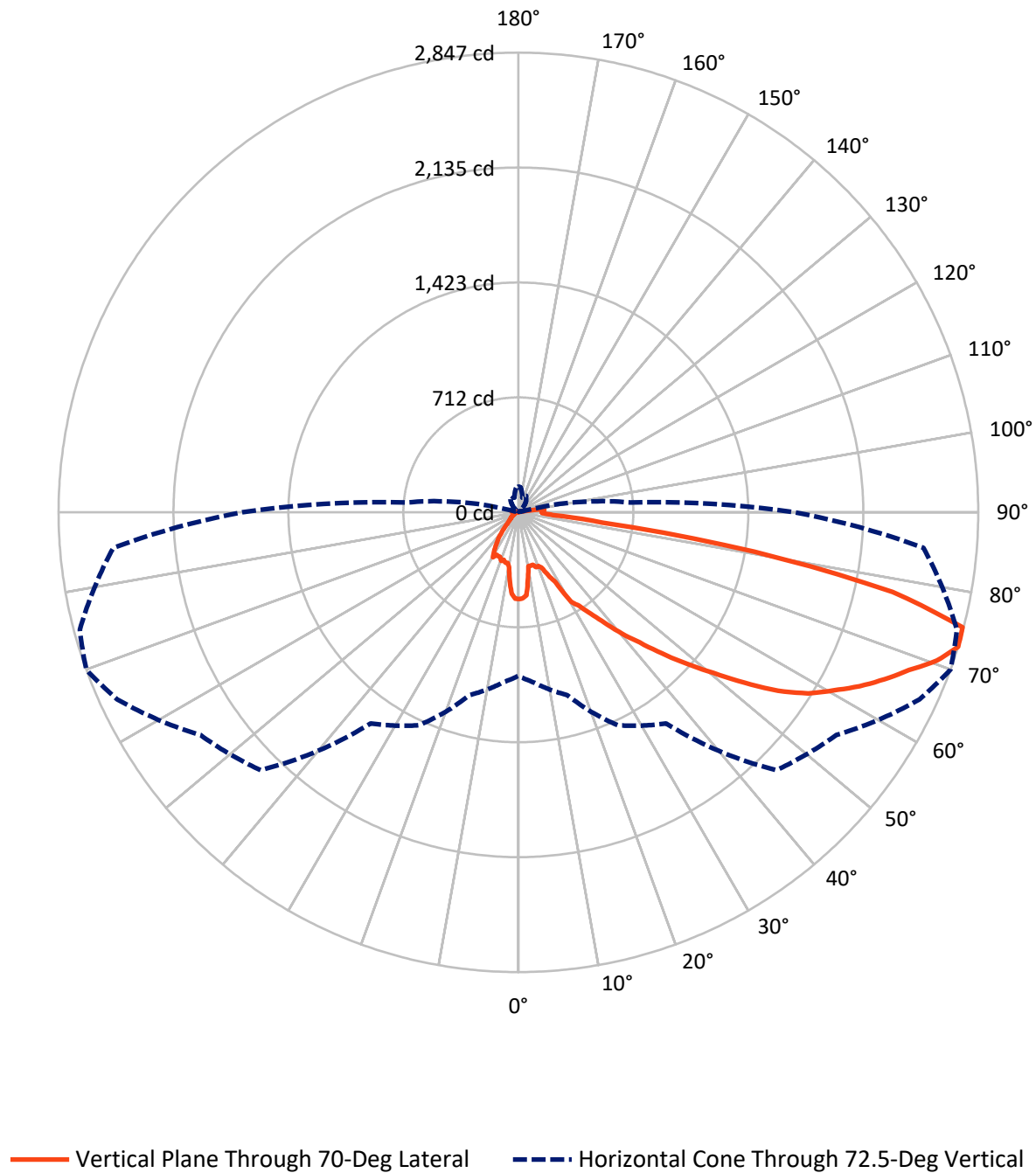


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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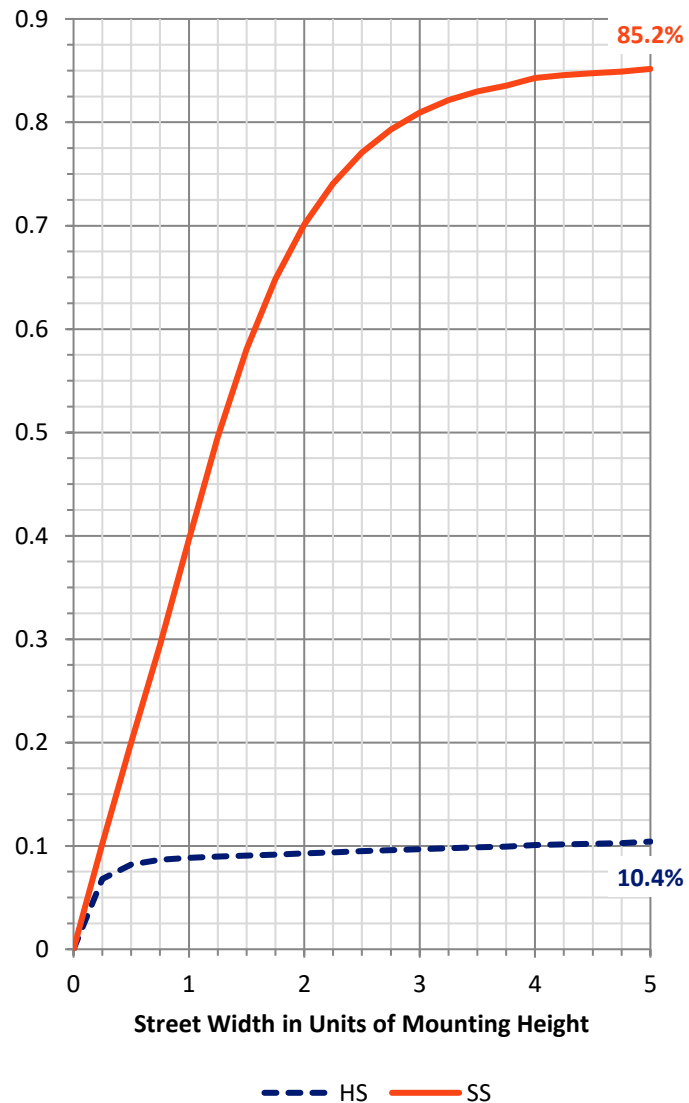
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	501.2	70.6	571.8
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	3743.5	57.1	3800.6
	% Fixture	85.6	1.3	86.9
Total	Lumens	4244.6	127.7	4372.3
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	0.9
10°-20°	81.9	1.9
20°-30°	132.6	3.0
30°-40°	283.4	6.5
40°-50°	557.1	12.7
50°-60°	930.3	21.3
60°-70°	1154.7	26.4
70°-80°	889.3	20.3
80°-90°	173.9	4.0
90°-100°	94.4	2.2
100°-110°	19.5	0.4
110°-120°	5.6	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°	4244.6	97.1
0°-180°	4372.3	100.0

Coefficient of Utilization



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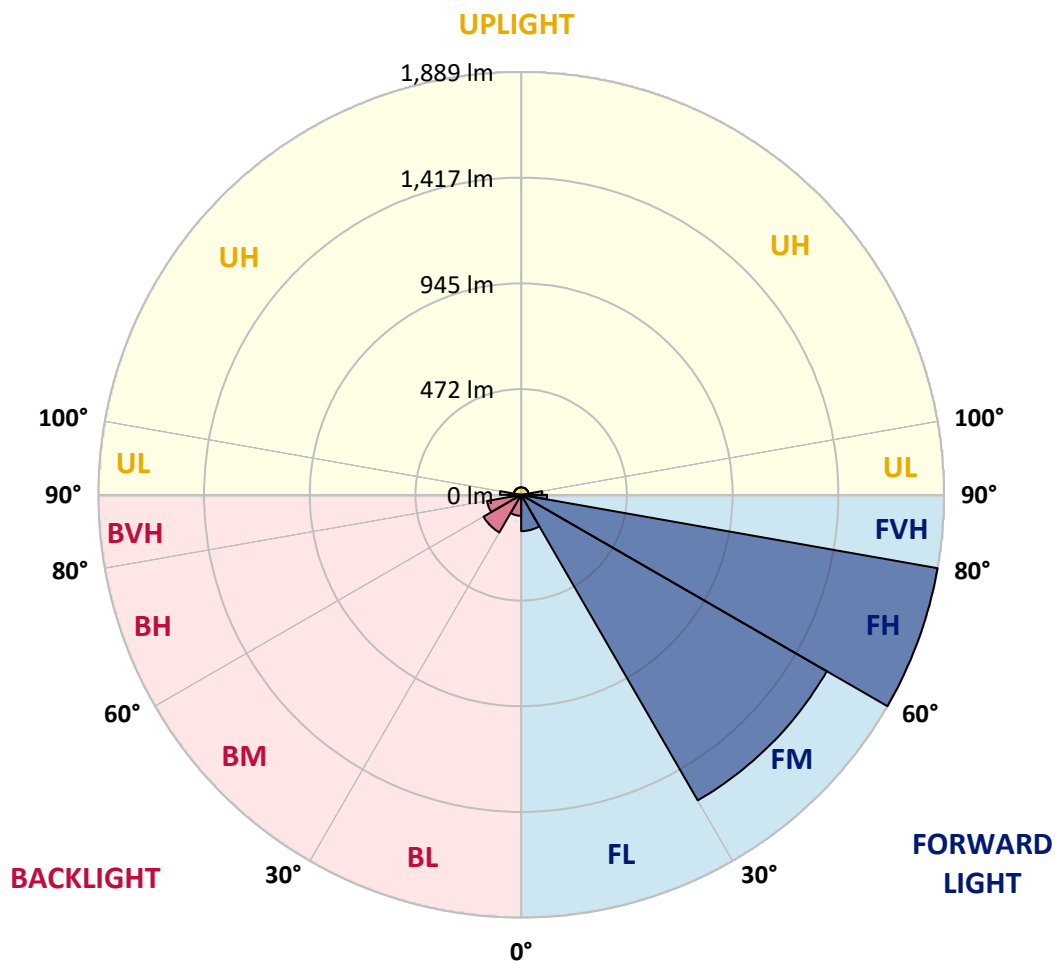
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	162.2	3.7			
FM	(30°-60°)	1576.5	36.1			
FH	(60°-80°)	1889.0	43.2			G2/5000
FVH	(80°-90°)	115.7	2.6			G2/225
BL	(0°-30°)	93.8	2.1	B0/110		
BM	(30°-60°)	194.4	4.4	B0/220		
BH	(60°-80°)	154.9	3.5	B1/500		G1/500
BVH	(80°-90°)	58.2	1.3			G1/100
UL	(90°-100°)	94.4	2.2		U3/500	
UH	(100°-180°)	33.3	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°	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0
2.5°	452.8	502.9	505.2	509.7	514.3	521.1	532.5	532.5	532.5	532.5	534.8
5°	430.1	430.1	430.1	434.6	434.6	439.2	441.5	509.7	516.6	523.4	523.4
7.5°	357.3	391.4	393.7	407.3	423.3	430.1	434.6	430.1	423.3	450.6	461.9
10°	391.4	391.4	391.4	396.0	373.2	361.8	334.5	336.8	339.1	359.5	409.6
12.5°	325.4	345.9	366.4	389.1	359.5	323.1	316.3	334.5	339.1	302.7	359.5
15°	380.0	377.7	377.7	357.3	298.1	323.1	282.2	298.1	336.8	368.6	427.8
17.5°	314.0	304.9	355.0	350.4	318.6	254.9	325.4	323.1	357.3	330.0	368.6
20°	373.2	370.9	370.9	286.7	316.3	343.6	339.1	316.3	355.0	396.0	466.5
22.5°	314.0	309.5	318.6	343.6	314.0	355.0	309.5	391.4	373.2	361.8	339.1
25°	396.0	393.7	393.7	314.0	355.0	325.4	391.4	357.3	432.4	471.0	514.3
27.5°	355.0	355.0	339.1	364.1	339.1	409.6	375.5	450.6	489.3	514.3	621.2
30°	491.5	493.8	466.5	361.8	377.7	384.6	443.7	557.5	641.7	703.2	769.2
32.5°	707.7	694.1	580.3	493.8	400.5	475.6	491.5	648.5	689.5	755.5	812.4
35°	962.6	955.8	855.6	639.4	482.4	509.7	548.4	705.4	769.2	835.1	869.3
37.5°	1137.8	1131.0	1067.3	814.7	582.6	593.9	598.5	785.1	867.0	933.0	948.9
40°	1281.2	1269.8	1231.1	951.2	716.8	694.1	671.3	894.3	987.6	1042.2	1049.1
42.5°	1497.3	1479.1	1381.3	1108.2	853.3	828.3	750.9	989.9	1101.4	1174.2	1178.8
45°	1756.8	1740.8	1604.3	1326.7	999.0	992.2	892.0	1112.8	1244.8	1331.2	1306.2
47.5°	1934.3	1891.0	1813.7	1536.0	1224.3	1165.1	1049.1	1237.9	1399.5	1529.2	1458.7
50°	2095.8	2064.0	1998.0	1768.1	1467.8	1388.1	1212.9	1381.3	1563.3	1681.7	1586.1
52.5°	2246.0	2198.2	2143.6	1941.1	1677.1	1638.4	1374.5	1524.7	1752.2	1850.1	1718.1
55°	2321.1	2246.0	2236.9	2098.1	1838.7	1806.8	1556.5	1702.1	1950.2	2018.5	1843.2
57.5°	2198.2	2196.0	2266.5	2193.7	1970.7	1954.7	1740.8	1893.3	2116.3	2148.2	1966.1
60°	2116.3	2118.6	2225.5	2230.1	2086.7	2095.8	1907.0	2114.0	2239.2	2259.7	2082.2
62.5°	1972.9	1988.9	2150.4	2255.1	2116.3	2230.1	2048.0	2266.5	2371.2	2378.0	2225.5
65°	1793.2	1809.1	1972.9	2186.9	2084.4	2318.8	2166.4	2437.2	2491.8	2496.3	2382.6
67.5°	1583.8	1590.6	1772.7	2009.4	2007.1	2350.7	2239.2	2550.9	2607.8	2621.5	2516.8
70°	1351.7	1342.6	1508.7	1781.8	1841.0	2334.8	2327.9	2662.5	2748.9	2746.6	2610.1
72.5°	1012.6	1055.9	1171.9	1454.1	1595.2	2257.4	2403.0	2739.8	2846.8	2810.4	2516.8
75°	345.9	368.6	682.7	926.2	1228.8	2050.3	2419.0	2744.4	2839.9	2678.4	2059.4
77.5°	113.8	107.0	152.5	368.6	682.7	1420.0	2127.7	2393.9	2368.9	2082.2	1265.2
80°	54.6	56.9	68.3	129.7	250.3	644.0	1335.8	1515.5	1481.4	1092.3	548.4
82.5°	36.4	38.7	45.5	75.1	141.1	220.7	710.0	691.8	523.4	343.6	225.3
85°	15.9	15.9	22.8	38.7	86.5	145.6	270.8	236.7	213.9	198.0	184.3
87.5°	4.6	4.6	9.1	13.7	29.6	91.0	152.5	143.4	147.9	154.7	175.2
90°	4.6	4.6	4.6	4.6	22.8	95.6	154.7	145.6	145.6	154.7	184.3
92.5°	6.8	6.8	4.6	4.6	20.5	95.6	161.6	138.8	147.9	157.0	198.0
95°	6.8	9.1	4.6	2.3	15.9	97.9	166.1	147.9	161.6	159.3	211.6
97.5°	9.1	9.1	4.6	2.3	9.1	84.2	168.4	120.6	122.9	113.8	166.1
100°	11.4	11.4	4.6	4.6	6.8	43.2	125.2	77.4	47.8	36.4	54.6
102.5°	13.7	13.7	4.6	4.6	4.6	15.9	56.9	45.5	25.0	6.8	13.7
105°	13.7	15.9	4.6	4.6	2.3	6.8	25.0	18.2	9.1	6.8	13.7
107.5°	15.9	15.9	4.6	4.6	2.3	4.6	6.8	6.8	4.6	6.8	13.7
110°	15.9	15.9	6.8	4.6	2.3	4.6	2.3	4.6	4.6	6.8	15.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	11.4	11.4	4.6	6.8	2.3	2.3	2.3	4.6	4.6	6.8	13.7
115°	6.8	4.6	2.3	4.6	2.3	2.3	2.3	4.6	4.6	4.6	11.4
117.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6	4.6	6.8	13.7
120°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6	4.6	9.1	15.9
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6	9.1	18.2
125°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6	6.8	15.9
127.5°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	4.6	6.8	13.7
130°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	4.6	9.1
132.5°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	4.6	9.1
135°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	4.6
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°	4.6	4.6	4.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
152.5°	4.6	4.6	4.6	2.3	2.3	2.3	2.3	4.6	4.6	2.3	2.3
155°	2.3	2.3	2.3	0.0	0.0	2.3	2.3	2.3	2.3	4.6	4.6
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°	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0
2.5°	534.8	534.8	532.5	537.0	534.8	534.8	505.2	475.6	468.8	471.0	475.6
5°	525.7	525.7	525.7	489.3	448.3	434.6	439.2	439.2	439.2	436.9	441.5
7.5°	464.2	461.9	455.1	414.2	432.4	430.1	427.8	423.3	368.6	355.0	355.0
10°	411.9	411.9	352.7	336.8	336.8	350.4	359.5	345.9	339.1	327.7	325.4
12.5°	361.8	361.8	302.7	336.8	284.4	282.2	275.3	252.6	213.9	186.6	188.9
15°	430.1	430.1	357.3	286.7	238.9	225.3	141.1	132.0	127.4	125.2	122.9
17.5°	366.4	368.6	330.0	284.4	223.0	118.3	100.1	100.1	100.1	95.6	86.5
20°	464.2	464.2	384.6	254.9	168.4	93.3	77.4	68.3	93.3	93.3	93.3
22.5°	336.8	332.2	339.1	259.4	104.7	75.1	63.7	79.6	84.2	70.5	70.5
25°	509.7	502.9	411.9	186.6	86.5	59.2	70.5	61.4	79.6	79.6	79.6
27.5°	628.1	582.6	418.7	170.7	63.7	68.3	56.9	68.3	61.4	59.2	59.2
30°	755.5	735.0	505.2	134.3	61.4	56.9	59.2	54.6	63.7	59.2	59.2
32.5°	796.5	776.0	457.4	104.7	59.2	54.6	50.1	52.3	50.1	52.3	52.3
35°	848.8	828.3	405.1	79.6	54.6	47.8	45.5	45.5	43.2	41.0	41.0
37.5°	923.9	889.8	345.9	68.3	50.1	43.2	36.4	34.1	36.4	45.5	47.8
40°	1010.4	953.5	273.1	61.4	43.2	36.4	27.3	31.9	38.7	38.7	38.7
42.5°	1135.5	1030.8	202.5	56.9	38.7	29.6	20.5	25.0	29.6	41.0	41.0
45°	1244.8	1076.4	143.4	52.3	31.9	22.8	15.9	25.0	31.9	36.4	36.4
47.5°	1372.2	1119.6	107.0	50.1	29.6	15.9	18.2	25.0	25.0	38.7	38.7
50°	1479.1	1128.7	86.5	45.5	22.8	11.4	22.8	22.8	27.3	34.1	34.1
52.5°	1579.3	1137.8	77.4	41.0	18.2	9.1	22.8	22.8	31.9	41.0	41.0
55°	1645.3	1110.5	70.5	36.4	15.9	6.8	25.0	25.0	25.0	31.9	31.9
57.5°	1697.6	1076.4	66.0	31.9	13.7	13.7	27.3	31.9	27.3	31.9	31.9
60°	1731.7	1014.9	56.9	29.6	11.4	13.7	34.1	41.0	31.9	47.8	47.8
62.5°	1793.2	967.1	50.1	27.3	9.1	13.7	34.1	52.3	41.0	63.7	66.0
65°	1843.2	923.9	43.2	20.5	9.1	18.2	38.7	66.0	50.1	79.6	81.9
67.5°	1863.7	871.6	36.4	18.2	9.1	20.5	50.1	81.9	63.7	93.3	93.3
70°	1847.8	816.9	29.6	18.2	9.1	31.9	66.0	95.6	77.4	113.8	116.1
72.5°	1709.0	696.3	22.8	18.2	6.8	34.1	81.9	113.8	93.3	154.7	159.3
75°	1308.5	441.5	22.8	18.2	9.1	38.7	95.6	132.0	111.5	172.9	179.8
77.5°	798.7	204.8	22.8	20.5	11.4	47.8	104.7	152.5	122.9	186.6	191.2
80°	355.0	127.4	22.8	22.8	22.8	59.2	122.9	168.4	138.8	198.0	204.8
82.5°	177.5	95.6	20.5	22.8	34.1	70.5	145.6	179.8	143.4	204.8	207.1
85°	152.5	86.5	20.5	25.0	36.4	81.9	157.0	182.0	150.2	202.5	204.8
87.5°	145.6	81.9	25.0	25.0	41.0	86.5	161.6	191.2	154.7	195.7	193.4
90°	152.5	79.6	27.3	29.6	52.3	88.7	163.8	186.6	154.7	184.3	184.3
92.5°	157.0	77.4	29.6	34.1	63.7	100.1	161.6	182.0	154.7	170.7	170.7
95°	161.6	77.4	34.1	38.7	63.7	109.2	154.7	166.1	143.4	152.5	150.2
97.5°	122.9	56.9	41.0	43.2	59.2	84.2	125.2	129.7	93.3	91.0	88.7
100°	43.2	25.0	41.0	47.8	36.4	36.4	75.1	91.0	54.6	34.1	38.7
102.5°	13.7	11.4	36.4	47.8	29.6	13.7	38.7	56.9	41.0	4.6	4.6
105°	13.7	13.7	20.5	38.7	20.5	4.6	13.7	31.9	25.0	4.6	4.6
107.5°	13.7	11.4	9.1	22.8	6.8	4.6	6.8	6.8	6.8	2.3	4.6
110°	15.9	11.4	4.6	6.8	4.6	4.6	4.6	4.6	4.6	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	11.4	4.6	6.8	4.6	4.6	4.6	2.3	4.6	11.4	13.7
115°	13.7	11.4	4.6	4.6	4.6	4.6	2.3	2.3	4.6	13.7	13.7
117.5°	15.9	13.7	4.6	4.6	2.3	4.6	2.3	2.3	4.6	13.7	15.9
120°	18.2	15.9	4.6	4.6	2.3	2.3	2.3	2.3	4.6	11.4	13.7
122.5°	18.2	18.2	4.6	2.3	2.3	2.3	2.3	2.3	6.8	11.4	11.4
125°	15.9	15.9	4.6	2.3	2.3	2.3	2.3	2.3	6.8	11.4	11.4
127.5°	13.7	13.7	4.6	2.3	2.3	2.3	2.3	2.3	4.6	9.1	11.4
130°	11.4	11.4	4.6	2.3	2.3	2.3	0.0	2.3	4.6	9.1	9.1
132.5°	9.1	6.8	4.6	2.3	2.3	2.3	0.0	2.3	4.6	6.8	9.1
135°	6.8	6.8	2.3	2.3	2.3	2.3	0.0	0.0	4.6	4.6	6.8
137.5°	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	4.6	4.6
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°	4.6	4.6	4.6	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)