

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: P560682

Luminaire Tested: **SDL-PA1-60-727-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-22)
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-5WQ-A
Description: Springdale
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6044.3 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short
BUG Rating: B3 - 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

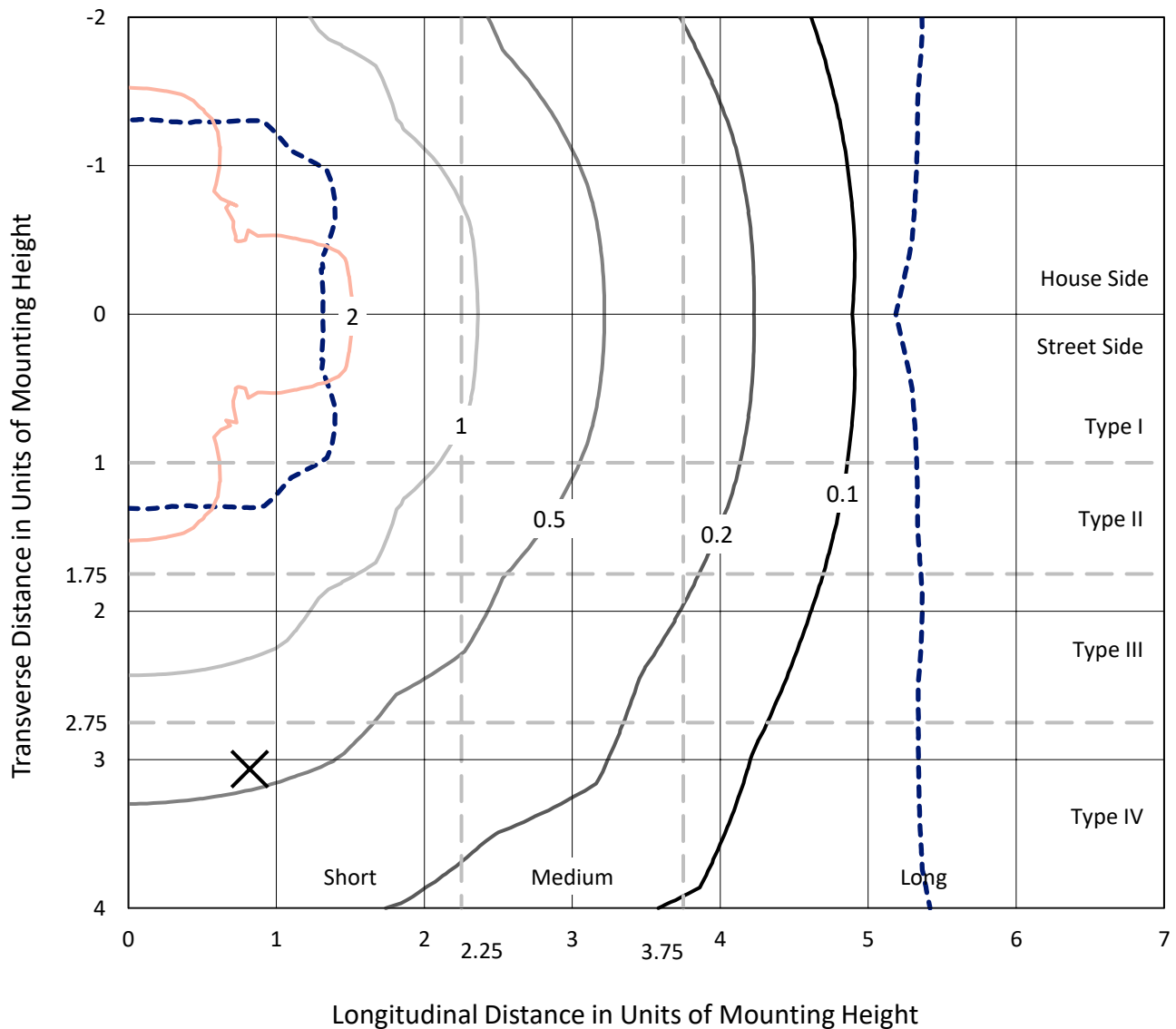


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

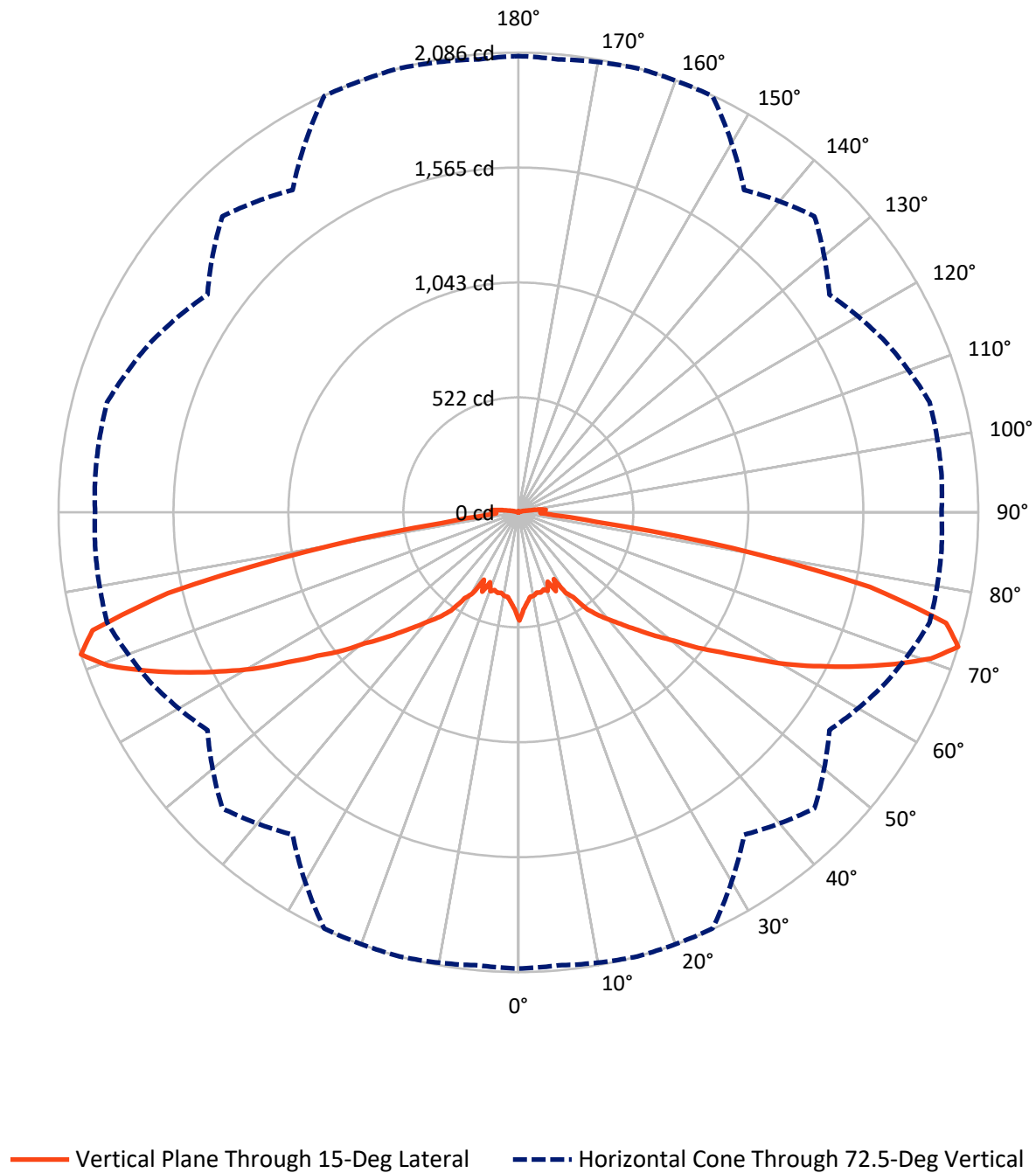


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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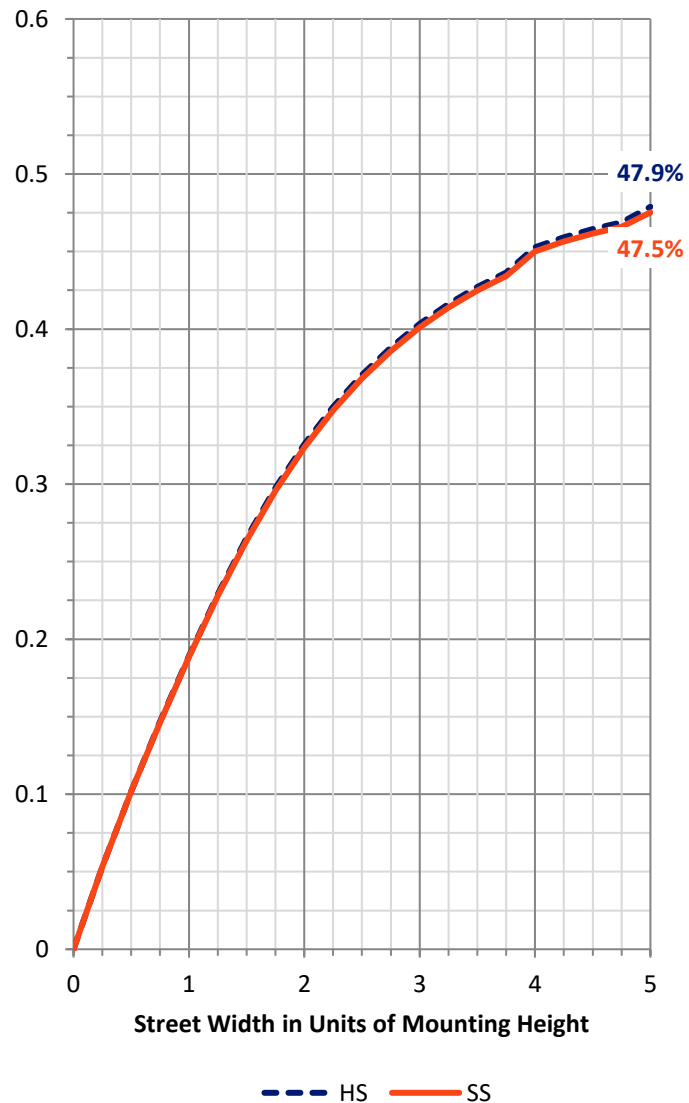
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2930.3	91.8	3022.1
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	2930.3	91.8	3022.1
	% Fixture	48.5	1.5	50.0
Total	Lumens	5860.7	183.6	6044.3
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	0.6
10°-20°	89.2	1.5
20°-30°	156.6	2.6
30°-40°	302.3	5.0
40°-50°	525.3	8.7
50°-60°	925.8	15.3
60°-70°	1564.0	25.9
70°-80°	1838.6	30.4
80°-90°	420.2	7.0
90°-100°	138.7	2.3
100°-110°	32.7	0.5
110°-120°	5.3	0.1
120°-130°	4.2	0.1
130°-140°	1.7	0.0
140°-150°	0.3	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5860.7	97.0
0°-180°	6044.3	100.0



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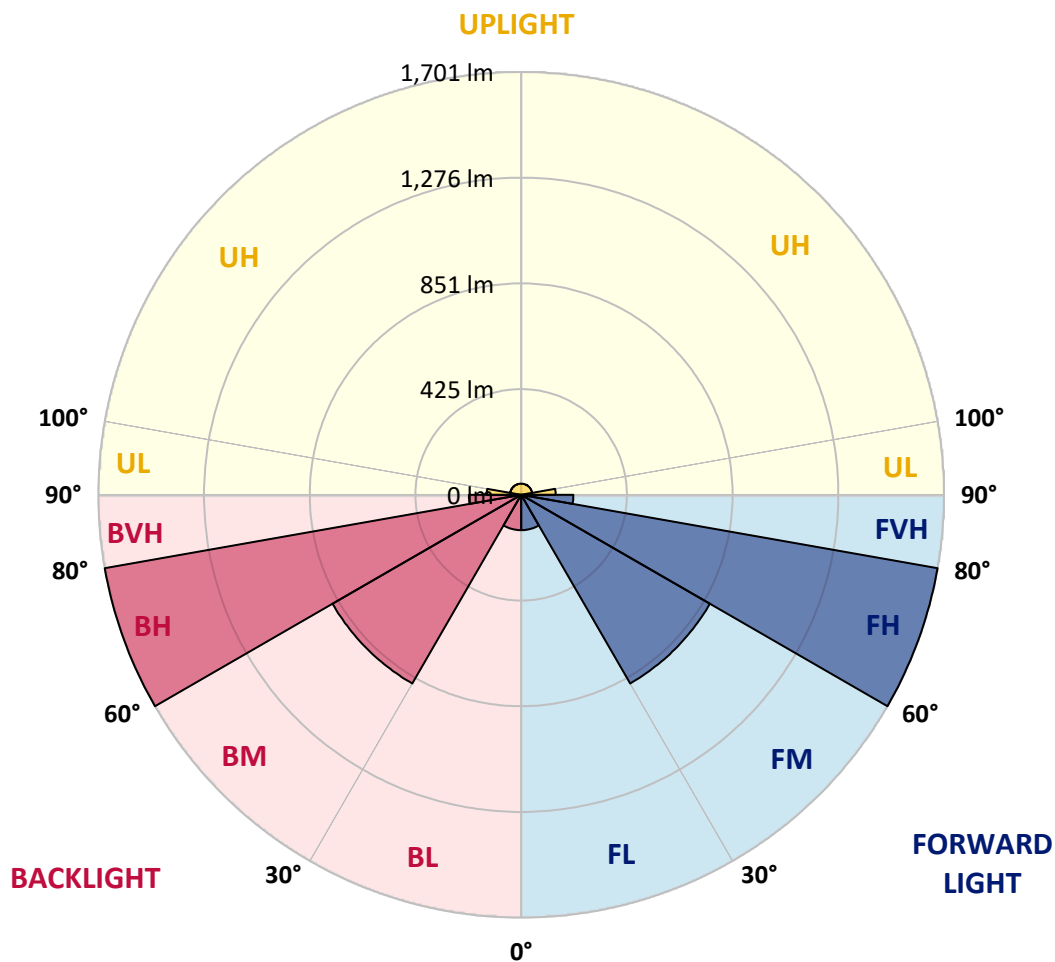
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.2	2.4			
FM	(30°-60°)	876.7	14.5			
FH	(60°-80°)	1701.3	28.1			G1/1800
FVH	(80°-90°)	210.1	3.5			G2/225
BL	(0°-30°)	142.2	2.4	B1/500		
BM	(30°-60°)	876.7	14.5	B1/1000		
BH	(60°-80°)	1701.3	28.1	B3/2500		G1/1800
BVH	(80°-90°)	210.1	3.5			G2/225
UL	(90°-100°)	138.7	2.3		U3/500	
UH	(100°-180°)	44.9	0.7		U2/50	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4
2.5°	434.6	443.7	441.4	457.3	471.0	475.5	484.6	484.6	486.9	486.9	486.9
5°	411.8	411.8	411.8	411.8	411.8	409.5	418.6	459.6	473.2	475.5	473.2
7.5°	357.2	368.6	386.8	393.6	400.4	398.2	393.6	368.6	407.3	411.8	414.1
10°	384.5	384.5	384.5	379.9	361.7	345.8	327.6	309.4	316.2	357.2	357.2
12.5°	341.3	339.0	373.1	377.7	343.5	300.3	286.7	293.5	273.0	311.7	311.7
15°	384.5	384.5	377.7	354.9	284.4	300.3	254.8	257.1	291.2	336.7	336.7
17.5°	327.6	329.9	368.6	345.8	309.4	241.2	282.1	254.8	261.6	286.7	288.9
20°	391.3	391.3	379.9	295.8	291.2	300.3	259.4	252.5	291.2	336.7	339.0
22.5°	336.7	336.7	341.3	343.5	300.3	295.8	259.4	293.5	275.3	275.3	307.1
25°	407.3	407.3	395.9	314.0	329.9	286.7	300.3	275.3	336.7	370.8	370.8
27.5°	357.2	357.2	343.5	357.2	318.5	341.3	300.3	325.3	361.7	436.8	441.4
30°	434.6	434.6	423.2	354.9	352.6	332.2	334.4	377.7	466.4	514.2	514.2
32.5°	527.8	530.1	459.6	407.3	357.2	382.2	364.0	430.0	486.9	536.9	539.2
35°	566.5	566.5	541.5	473.2	389.1	402.7	395.9	455.0	523.3	564.2	564.2
37.5°	612.0	612.0	593.8	507.4	427.7	445.9	414.1	489.2	564.2	600.6	596.1
40°	659.8	653.0	641.6	543.8	468.7	473.2	445.9	525.6	602.9	639.3	639.3
42.5°	718.9	718.9	698.5	605.2	509.6	516.5	475.5	571.1	659.8	703.0	705.3
45°	784.9	782.7	762.2	673.4	559.7	571.1	525.6	632.5	730.3	771.3	775.8
47.5°	862.3	862.3	837.3	746.2	623.4	634.8	582.4	693.9	816.8	853.2	857.7
50°	944.2	937.4	914.6	830.4	707.6	703.0	646.1	762.2	907.8	932.8	941.9
52.5°	1039.7	1030.6	1021.5	926.0	800.9	803.1	728.0	835.0	1012.4	1026.1	1030.6
55°	1135.3	1128.5	1121.6	1044.3	903.2	916.9	837.3	935.1	1117.1	1126.2	1135.3
57.5°	1242.2	1249.1	1249.1	1176.3	1019.3	1053.4	955.6	1060.2	1242.2	1235.4	1233.1
60°	1396.9	1383.3	1399.2	1333.2	1178.5	1205.8	1101.2	1212.7	1362.8	1335.5	1328.7
62.5°	1522.1	1519.8	1538.0	1508.4	1326.4	1394.7	1244.5	1358.3	1476.6	1453.8	1456.1
65°	1665.4	1663.1	1685.9	1672.2	1481.1	1567.6	1401.5	1522.1	1613.1	1588.1	1583.5
67.5°	1804.2	1811.0	1838.3	1856.5	1606.3	1717.7	1551.7	1676.8	1747.3	1706.4	1710.9
70°	1974.8	1963.5	1986.2	1988.5	1708.6	1826.9	1667.7	1774.6	1861.1	1833.8	1829.2
72.5°	2070.4	2063.6	2086.3	2084.0	1786.0	1899.7	1722.3	1836.0	1931.6	1927.0	1920.2
75°	1965.7	1974.8	2004.4	2045.4	1790.5	1940.7	1715.5	1795.1	1870.2	1845.1	1838.3
77.5°	1542.5	1560.8	1631.3	1763.2	1670.0	1924.8	1594.9	1574.4	1590.3	1560.8	1542.5
80°	819.1	835.0	985.1	1210.4	1340.1	1672.2	1340.1	1144.4	976.0	855.5	753.1
82.5°	261.6	282.1	352.6	557.4	846.4	1164.9	775.8	439.1	302.6	259.4	243.4
85°	143.3	147.9	159.3	216.1	298.0	471.0	316.2	186.6	163.8	157.0	154.7
87.5°	120.6	122.9	100.1	122.9	143.3	147.9	143.3	102.4	104.7	116.0	113.8
90°	127.4	127.4	102.4	120.6	143.3	145.6	143.3	106.9	104.7	122.9	120.6
92.5°	138.8	138.8	116.0	129.7	159.3	154.7	154.7	111.5	116.0	132.0	132.0
95°	147.9	145.6	125.1	132.0	168.4	172.9	168.4	118.3	125.1	143.3	143.3
97.5°	109.2	104.7	91.0	118.3	159.3	182.0	168.4	111.5	97.8	109.2	106.9
100°	52.3	50.1	47.8	88.7	125.1	138.8	120.6	79.6	43.2	27.3	27.3
102.5°	11.4	11.4	31.9	61.4	72.8	72.8	66.0	54.6	27.3	9.1	9.1
105°	9.1	11.4	22.8	34.1	36.4	20.5	31.9	34.1	15.9	9.1	9.1
107.5°	9.1	11.4	9.1	11.4	11.4	9.1	11.4	13.7	6.8	9.1	9.1
110°	11.4	11.4	4.6	4.6	4.6	4.6	4.6	4.6	4.6	9.1	11.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.4	11.4	4.6	4.6	4.6	4.6	4.6	4.6	4.6	9.1	11.4
115°	9.1	9.1	4.6	4.6	4.6	4.6	2.3	4.6	4.6	9.1	9.1
117.5°	9.1	9.1	4.6	2.3	2.3	2.3	2.3	4.6	4.6	9.1	11.4
120°	11.4	9.1	4.6	2.3	2.3	2.3	2.3	2.3	6.8	11.4	11.4
122.5°	11.4	11.4	4.6	2.3	2.3	2.3	2.3	2.3	6.8	11.4	13.7
125°	11.4	9.1	4.6	2.3	2.3	2.3	2.3	2.3	4.6	11.4	11.4
127.5°	9.1	9.1	4.6	2.3	2.3	2.3	2.3	2.3	4.6	9.1	11.4
130°	9.1	9.1	4.6	2.3	2.3	2.3	2.3	2.3	4.6	9.1	9.1
132.5°	6.8	6.8	4.6	2.3	2.3	0.0	2.3	2.3	4.6	6.8	6.8
135°	4.6	4.6	2.3	0.0	2.3	0.0	2.3	0.0	2.3	4.6	6.8
137.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
140°	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	2.3	0.0	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3
150°	2.3	2.3	4.6	2.3	2.3	0.0	2.3	2.3	0.0	0.0	2.3
152.5°	4.6	4.6	4.6	2.3	0.0	0.0	2.3	2.3	2.3	2.3	2.3
155°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	4.6	4.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
160°	0.0	0.0	0.0	0.0	0.0	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)