

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: P561144

Luminaire Tested: **SDL-PA1-80-827-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561144
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-PA1-80-827-U-5WQ-A
Description: Springdale
(1) 80 CRI, 2700K, 1050mA 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: 6613.6 lumens
Efficiency: N/A
Efficacy: 80.7 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 - G3

Input Watts (W): 82
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

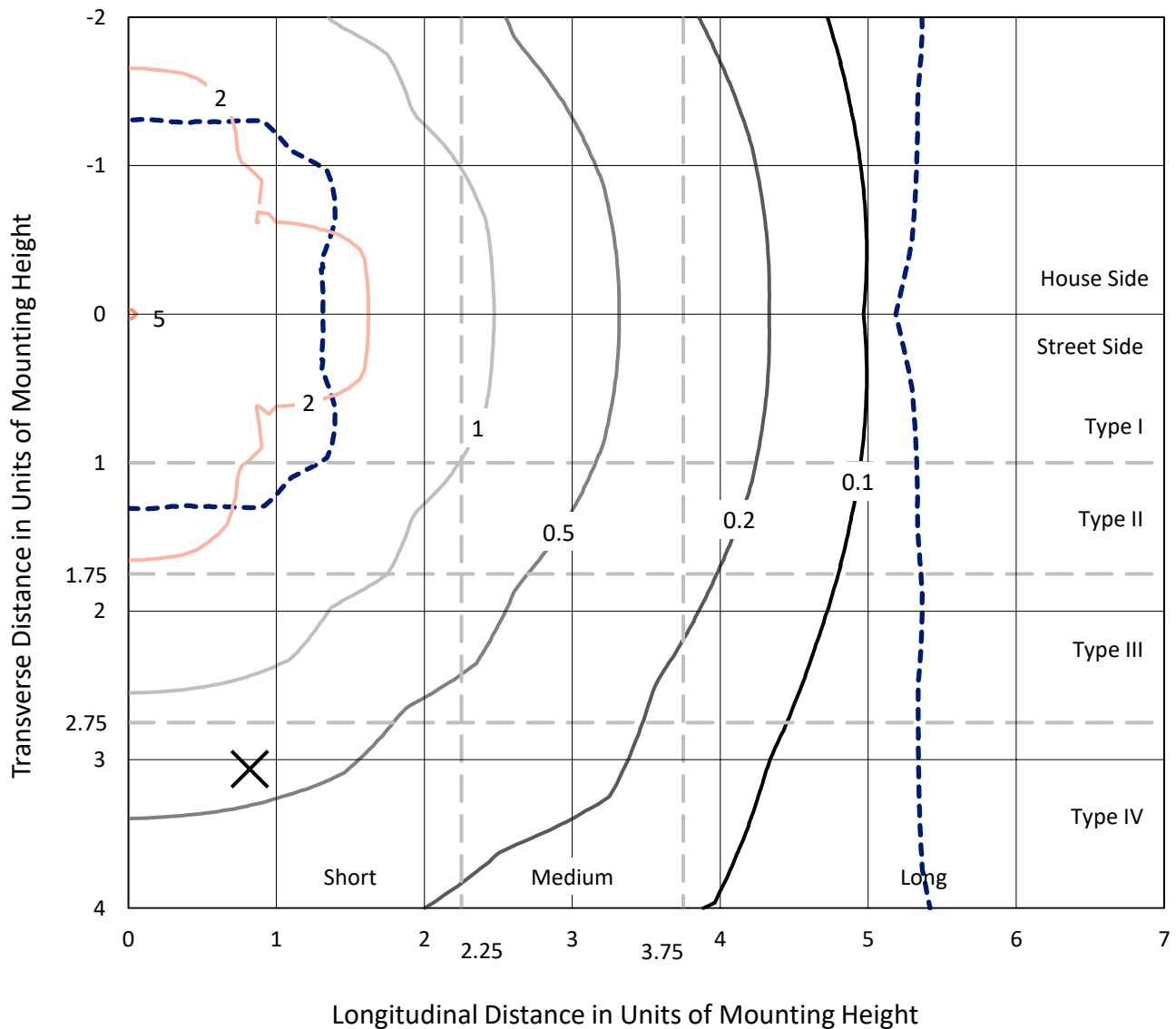


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

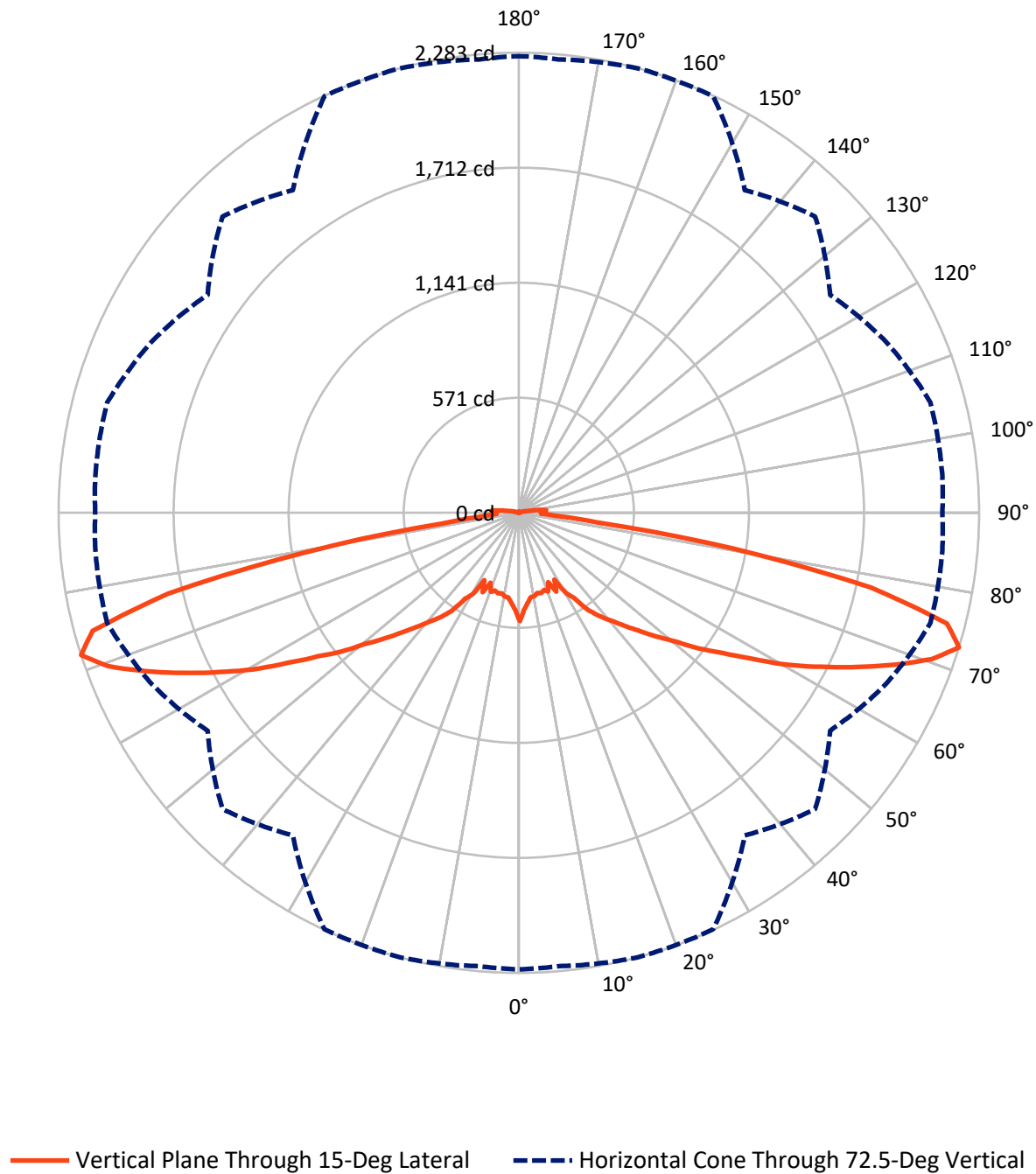


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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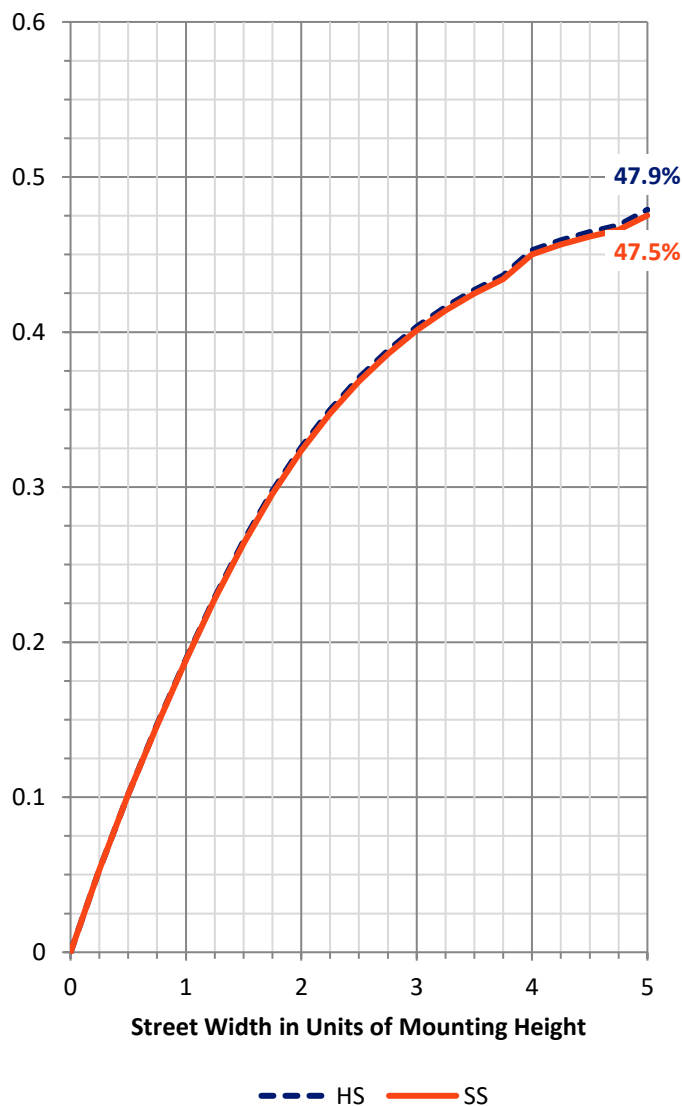
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3206.4	100.4	3306.8
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	3206.4	100.4	3306.8
	% Fixture	48.5	1.5	50.0
Total	Lumens	6412.8	200.8	6613.6
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	0.6
10°-20°	97.6	1.5
20°-30°	171.3	2.6
30°-40°	330.7	5.0
40°-50°	574.8	8.7
50°-60°	1013.0	15.3
60°-70°	1711.4	25.9
70°-80°	2011.8	30.4
80°-90°	459.8	7.0
90°-100°	151.8	2.3
100°-110°	35.8	0.5
110°-120°	5.8	0.1
120°-130°	4.6	0.1
130°-140°	1.9	0.0
140°-150°	0.4	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6412.8	97.0
0°-180°	6613.6	100.0

Coefficient of Utilization



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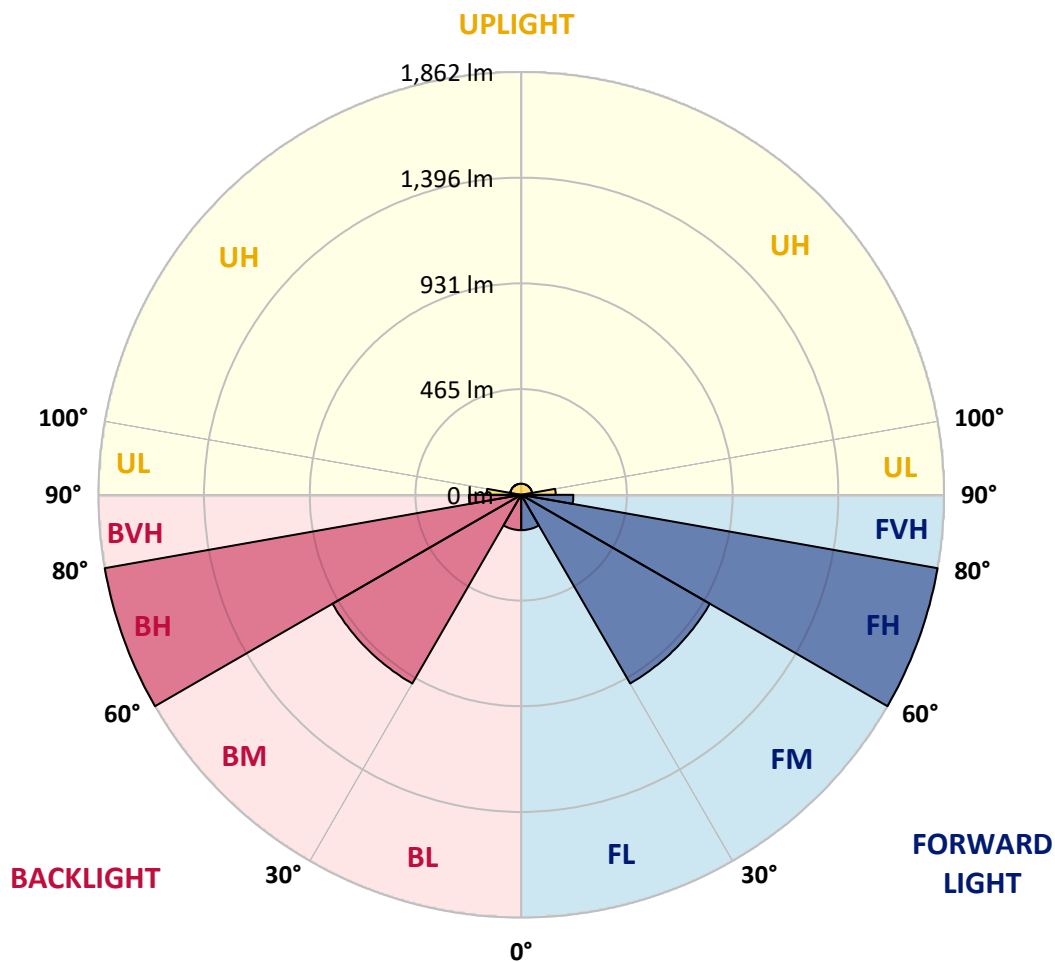
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	155.6	2.4			
FM	(30°-60°)	959.3	14.5			
FH	(60°-80°)	1861.6	28.1			G2/5000
FVH	(80°-90°)	229.9	3.5			G3/500
BL	(0°-30°)	155.6	2.4	B1/500		
BM	(30°-60°)	959.3	14.5	B1/1000		
BH	(60°-80°)	1861.6	28.1	B3/2500		G2/5000
BVH	(80°-90°)	229.9	3.5			G3/500
UL	(90°-100°)	151.8	2.3		U3/500	
UH	(100°-180°)	49.1	0.7		U2/50	

BUG Rating: B3-U3-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	537.7	537.7	537.7	537.7	537.7	537.7	537.7	537.7	537.7	537.7	537.7
2.5°	475.5	485.5	483.0	500.4	515.3	520.3	530.3	530.3	532.8	532.8	532.8
5°	450.6	450.6	450.6	450.6	450.6	448.1	458.1	502.9	517.8	520.3	517.8
7.5°	390.9	403.3	423.2	430.7	438.2	435.7	430.7	403.3	445.6	450.6	453.1
10°	420.7	420.7	420.7	415.7	395.8	378.4	358.5	338.6	346.0	390.9	390.9
12.5°	373.4	370.9	408.3	413.3	375.9	328.6	313.7	321.1	298.7	341.1	341.1
15°	420.7	420.7	413.3	388.4	311.2	328.6	278.8	281.3	318.7	368.4	368.4
17.5°	358.5	361.0	403.3	378.4	338.6	263.9	308.7	278.8	286.3	313.7	316.2
20°	428.2	428.2	415.7	323.6	318.7	328.6	283.8	276.3	318.7	368.4	370.9
22.5°	368.4	368.4	373.4	375.9	328.6	323.6	283.8	321.1	301.2	301.2	336.1
25°	445.6	445.6	433.2	343.6	361.0	313.7	328.6	301.2	368.4	405.8	405.8
27.5°	390.9	390.9	375.9	390.9	348.5	373.4	328.6	356.0	395.8	478.0	483.0
30°	475.5	475.5	463.0	388.4	385.9	363.5	366.0	413.3	510.3	562.6	562.6
32.5°	577.6	580.1	502.9	445.6	390.9	418.2	398.3	470.5	532.8	587.5	590.0
35°	619.9	619.9	592.5	517.8	425.7	440.6	433.2	497.9	572.6	617.4	617.4
37.5°	669.7	669.7	649.8	555.2	468.0	487.9	453.1	535.2	617.4	657.2	652.2
40°	722.0	714.5	702.0	595.0	512.8	517.8	487.9	575.1	659.7	699.5	699.5
42.5°	786.7	786.7	764.3	662.2	557.6	565.1	520.3	624.9	722.0	769.3	771.7
45°	858.9	856.4	834.0	736.9	612.4	624.9	575.1	692.1	799.1	843.9	848.9
47.5°	943.5	943.5	916.1	816.6	682.1	694.6	637.3	759.3	893.7	933.6	938.5
50°	1033.1	1025.7	1000.8	908.7	774.2	769.3	707.0	834.0	993.3	1020.7	1030.7
52.5°	1137.7	1127.7	1117.8	1013.2	876.3	878.8	796.6	913.6	1107.8	1122.8	1127.7
55°	1242.3	1234.8	1227.3	1142.7	988.3	1003.3	916.1	1023.2	1222.3	1232.3	1242.3
57.5°	1359.3	1366.7	1366.7	1287.1	1115.3	1152.6	1045.6	1160.1	1359.3	1351.8	1349.3
60°	1528.6	1513.6	1531.0	1458.8	1289.6	1319.4	1204.9	1326.9	1491.2	1461.3	1453.9
62.5°	1665.5	1663.0	1682.9	1650.5	1451.4	1526.1	1361.8	1486.2	1615.7	1590.8	1593.3
65°	1822.3	1819.8	1844.7	1829.8	1620.7	1715.3	1533.5	1665.5	1765.1	1737.7	1732.7
67.5°	1974.2	1981.6	2011.5	2031.4	1757.6	1879.6	1697.8	1834.8	1911.9	1867.1	1872.1
70°	2160.9	2148.4	2173.3	2175.8	1869.6	1999.1	1824.8	1941.8	2036.4	2006.5	2001.6
72.5°	2265.4	2258.0	2282.9	2280.4	1954.3	2078.7	1884.5	2009.0	2113.6	2108.6	2101.1
75°	2150.9	2160.9	2193.2	2238.1	1959.2	2123.5	1877.1	1964.2	2046.4	2019.0	2011.5
77.5°	1687.9	1707.8	1785.0	1929.4	1827.3	2106.1	1745.1	1722.7	1740.2	1707.8	1687.9
80°	896.2	913.6	1078.0	1324.4	1466.3	1829.8	1466.3	1252.2	1068.0	936.1	824.0
82.5°	286.3	308.7	385.9	609.9	926.1	1274.6	848.9	480.5	331.1	283.8	266.4
85°	156.8	161.8	174.3	236.5	326.1	515.3	346.0	204.1	179.2	171.8	169.3
87.5°	131.9	134.4	109.5	134.4	156.8	161.8	156.8	112.0	114.5	127.0	124.5
90°	139.4	139.4	112.0	131.9	156.8	159.3	156.8	117.0	114.5	134.4	131.9
92.5°	151.9	151.9	127.0	141.9	174.3	169.3	169.3	122.0	127.0	144.4	144.4
95°	161.8	159.3	136.9	144.4	184.2	189.2	184.2	129.5	136.9	156.8	156.8
97.5°	119.5	114.5	99.6	129.5	174.3	199.2	184.2	122.0	107.0	119.5	117.0
100°	57.3	54.8	52.3	97.1	136.9	151.9	131.9	87.1	47.3	29.9	29.9
102.5°	12.4	12.4	34.9	67.2	79.7	79.7	72.2	59.7	29.9	10.0	10.0
105°	10.0	12.4	24.9	37.3	39.8	22.4	34.9	37.3	17.4	10.0	10.0
107.5°	10.0	12.4	10.0	12.4	12.4	10.0	12.4	14.9	7.5	10.0	10.0
110°	12.4	12.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	10.0	12.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.4	12.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	10.0	12.4
115°	10.0	10.0	5.0	5.0	5.0	5.0	2.5	5.0	5.0	10.0	10.0
117.5°	10.0	10.0	5.0	2.5	2.5	2.5	2.5	5.0	5.0	10.0	12.4
120°	12.4	10.0	5.0	2.5	2.5	2.5	2.5	2.5	7.5	12.4	12.4
122.5°	12.4	12.4	5.0	2.5	2.5	2.5	2.5	2.5	7.5	12.4	14.9
125°	12.4	10.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0	12.4	12.4
127.5°	10.0	10.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0	10.0	12.4
130°	10.0	10.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0	10.0	10.0
132.5°	7.5	7.5	5.0	2.5	2.5	0.0	2.5	2.5	5.0	7.5	7.5
135°	5.0	5.0	2.5	0.0	2.5	0.0	2.5	0.0	2.5	5.0	7.5
137.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
140°	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
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	2.5	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	2.5	0.0	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5
150°	2.5	2.5	5.0	2.5	2.5	0.0	2.5	2.5	0.0	0.0	2.5
152.5°	5.0	5.0	5.0	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5
155°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	5.0	5.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
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)