

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: P559780

Luminaire Tested: **SDL-PA1-100-722-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559780
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-PA1-100-722-U-5WQ-A
Description: Springdale
(1) 70 CRI, 2200K, 1200mA 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: 7314.1 lumens
Efficiency: N/A
Efficacy: 78.0 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): 93.8
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

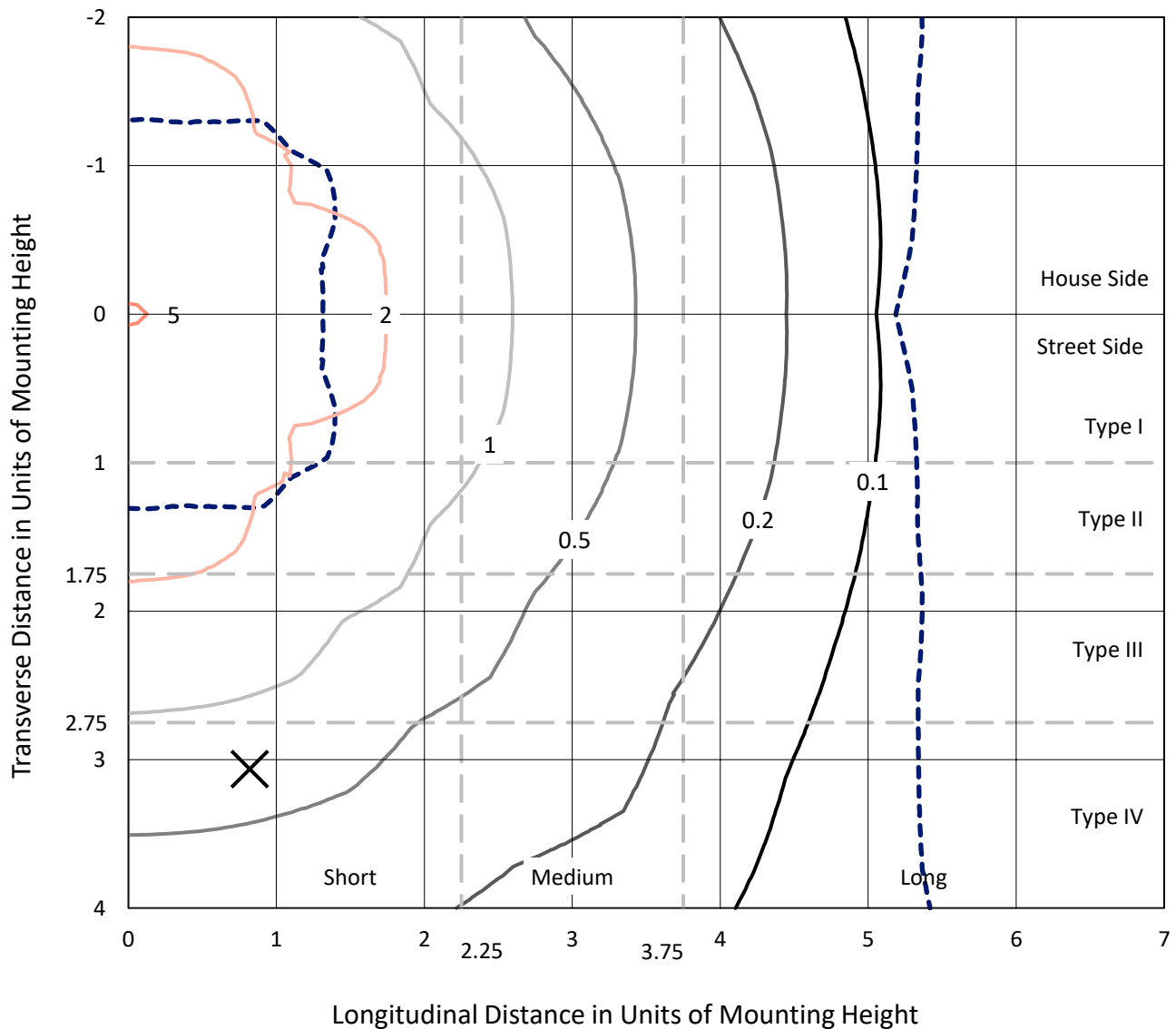


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

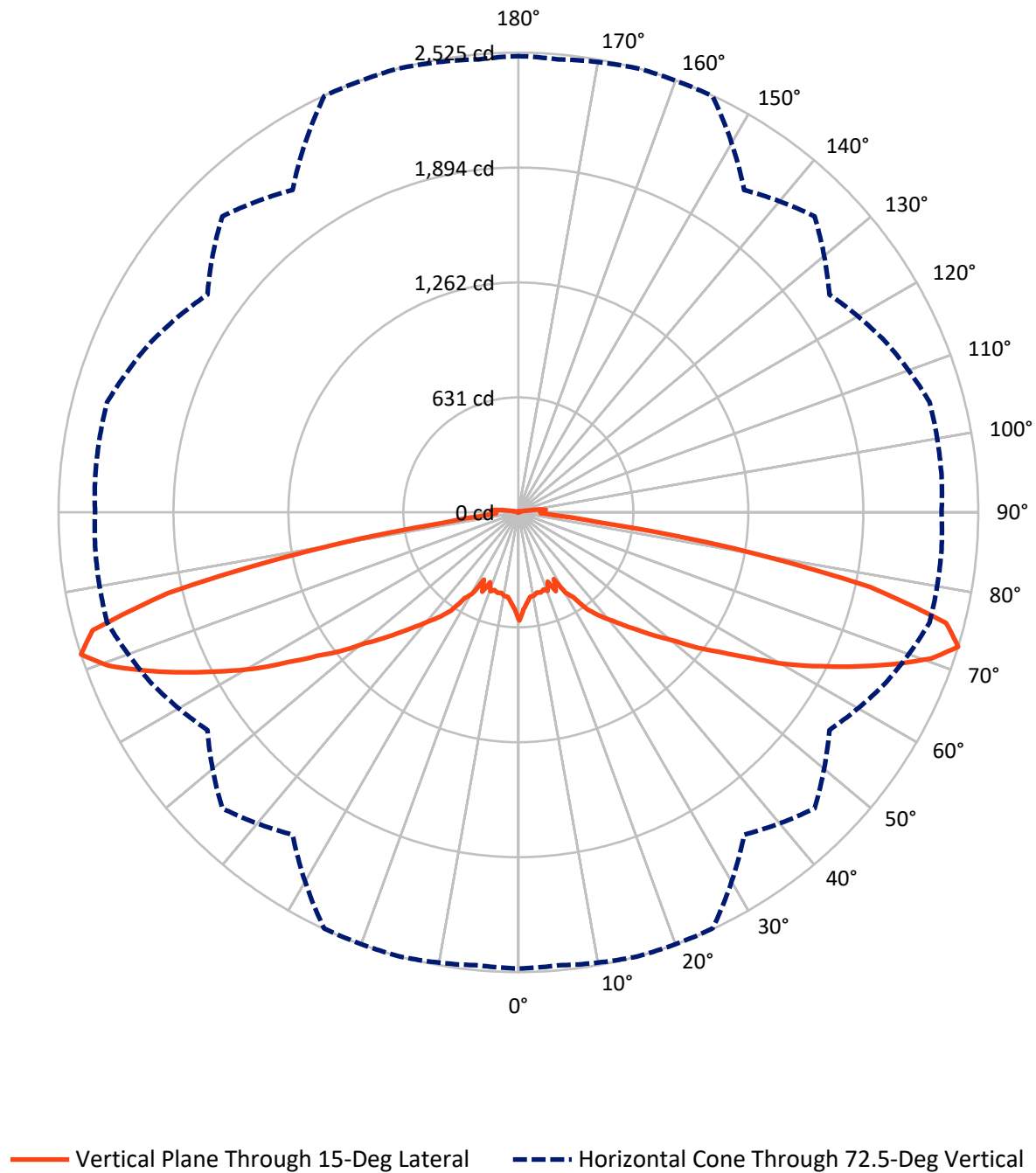


Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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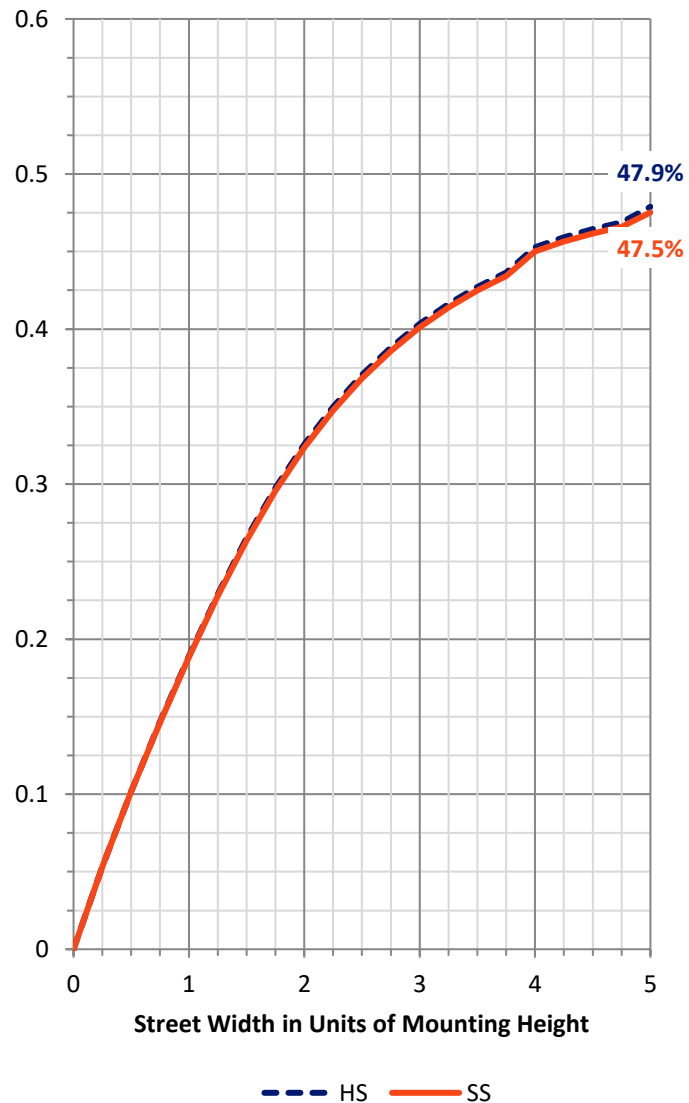
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3546.0	111.1	3657.1
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	3546.0	111.1	3657.1
	% Fixture	48.5	1.5	50.0
Total	Lumens	7092.0	222.1	7314.1
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	0.6
10°-20°	107.9	1.5
20°-30°	189.5	2.6
30°-40°	365.8	5.0
40°-50°	635.7	8.7
50°-60°	1120.3	15.3
60°-70°	1892.6	25.9
70°-80°	2224.9	30.4
80°-90°	508.5	7.0
90°-100°	167.8	2.3
100°-110°	39.6	0.5
110°-120°	6.4	0.1
120°-130°	5.1	0.1
130°-140°	2.1	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°	7092.0	97.0
0°-180°	7314.1	100.0



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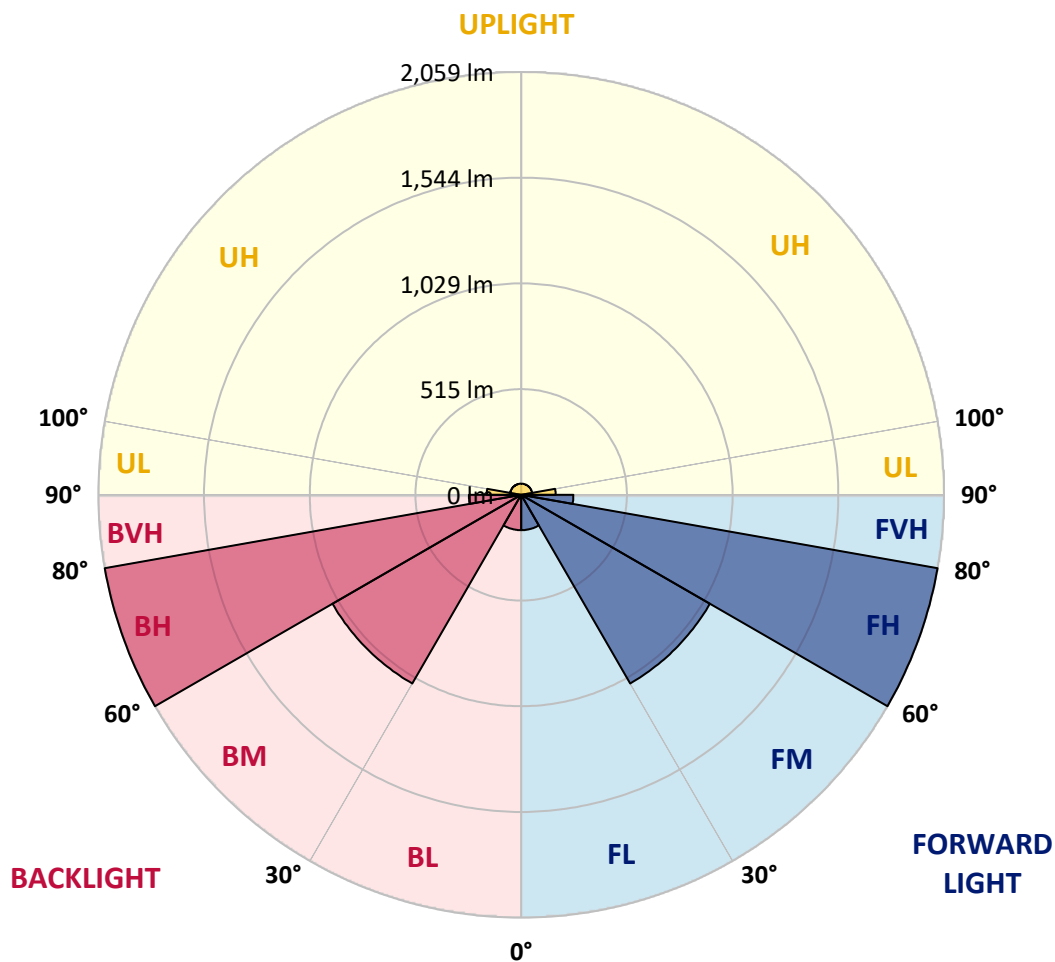
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	172.1	2.4			
FM	(30°-60°)	1060.9	14.5			
FH	(60°-80°)	2058.7	28.1			G2/5000
FVH	(80°-90°)	254.3	3.5			G3/500
BL	(0°-30°)	172.1	2.4	B1/500		
BM	(30°-60°)	1060.9	14.5	B2/2500		
BH	(60°-80°)	2058.7	28.1	B3/2500		G2/5000
BVH	(80°-90°)	254.3	3.5			G3/500
UL	(90°-100°)	167.8	2.3		U3/500	
UH	(100°-180°)	54.3	0.7		U3/500	

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°	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7
2.5°	525.9	536.9	534.1	553.4	569.9	575.4	586.4	586.4	589.2	589.2	589.2
5°	498.3	498.3	498.3	498.3	498.3	495.6	506.6	556.1	572.7	575.4	572.7
7.5°	432.2	446.0	468.0	476.3	484.6	481.8	476.3	446.0	492.8	498.3	501.1
10°	465.3	465.3	465.3	459.8	437.8	418.5	396.5	374.4	382.7	432.2	432.2
12.5°	413.0	410.2	451.5	457.0	415.7	363.4	346.9	355.2	330.4	377.2	377.2
15°	465.3	465.3	457.0	429.5	344.1	363.4	308.4	311.1	352.4	407.5	407.5
17.5°	396.5	399.2	446.0	418.5	374.4	291.8	341.4	308.4	316.6	346.9	349.7
20°	473.5	473.5	459.8	357.9	352.4	363.4	313.9	305.6	352.4	407.5	410.2
22.5°	407.5	407.5	413.0	415.7	363.4	357.9	313.9	355.2	333.1	333.1	371.7
25°	492.8	492.8	479.1	379.9	399.2	346.9	363.4	333.1	407.5	448.8	448.8
27.5°	432.2	432.2	415.7	432.2	385.4	413.0	363.4	393.7	437.8	528.6	534.1
30°	525.9	525.9	512.1	429.5	426.7	402.0	404.7	457.0	564.4	622.2	622.2
32.5°	638.7	641.5	556.1	492.8	432.2	462.5	440.5	520.3	589.2	649.7	652.5
35°	685.5	685.5	655.3	572.7	470.8	487.3	479.1	550.6	633.2	682.8	682.8
37.5°	740.6	740.6	718.6	614.0	517.6	539.6	501.1	591.9	682.8	726.8	721.3
40°	798.4	790.2	776.4	658.0	567.2	572.7	539.6	636.0	729.6	773.6	773.6
42.5°	870.0	870.0	845.2	732.3	616.7	625.0	575.4	691.0	798.4	850.7	853.5
45°	949.8	947.1	922.3	814.9	677.3	691.0	636.0	765.4	883.8	933.3	938.8
47.5°	1043.5	1043.5	1013.2	903.0	754.4	768.1	704.8	839.7	988.4	1032.4	1037.9
50°	1142.6	1134.3	1106.8	1004.9	856.2	850.7	781.9	922.3	1098.5	1128.8	1139.8
52.5°	1258.2	1247.2	1236.2	1120.5	969.1	971.9	881.0	1010.4	1225.2	1241.7	1247.2
55°	1373.8	1365.6	1357.3	1263.7	1093.0	1109.5	1013.2	1131.6	1351.8	1362.8	1373.8
57.5°	1503.2	1511.5	1511.5	1423.4	1233.4	1274.7	1156.3	1283.0	1503.2	1495.0	1492.2
60°	1690.4	1673.9	1693.2	1613.4	1426.1	1459.2	1332.5	1467.4	1649.1	1616.1	1607.8
62.5°	1841.9	1839.1	1861.1	1825.4	1605.1	1687.7	1506.0	1643.6	1786.8	1759.3	1762.0
65°	2015.3	2012.6	2040.1	2023.6	1792.3	1896.9	1696.0	1841.9	1952.0	1921.7	1916.2
67.5°	2183.3	2191.5	2224.6	2246.6	1943.7	2078.6	1877.7	2029.1	2114.4	2064.9	2070.4
70°	2389.7	2376.0	2403.5	2406.3	2067.6	2210.8	2018.1	2147.5	2252.1	2219.1	2213.5
72.5°	2505.4	2497.1	2524.7	2521.9	2161.2	2298.9	2084.1	2221.8	2337.4	2331.9	2323.7
75°	2378.7	2389.7	2425.5	2475.1	2166.7	2348.5	2075.9	2172.2	2263.1	2232.8	2224.6
77.5°	1866.6	1888.7	1974.0	2133.7	2020.8	2329.2	1930.0	1905.2	1924.5	1888.7	1866.6
80°	991.1	1010.4	1192.1	1464.7	1621.6	2023.6	1621.6	1384.8	1181.1	1035.2	911.3
82.5°	316.6	341.4	426.7	674.5	1024.2	1409.6	938.8	531.4	366.2	313.9	294.6
85°	173.4	179.0	192.7	261.6	360.7	569.9	382.7	225.8	198.2	190.0	187.2
87.5°	145.9	148.7	121.1	148.7	173.4	179.0	173.4	123.9	126.6	140.4	137.7
90°	154.2	154.2	123.9	145.9	173.4	176.2	173.4	129.4	126.6	148.7	145.9
92.5°	167.9	167.9	140.4	156.9	192.7	187.2	187.2	134.9	140.4	159.7	159.7
95°	179.0	176.2	151.4	159.7	203.7	209.2	203.7	143.2	151.4	173.4	173.4
97.5°	132.2	126.6	110.1	143.2	192.7	220.3	203.7	134.9	118.4	132.2	129.4
100°	63.3	60.6	57.8	107.4	151.4	167.9	145.9	96.4	52.3	33.0	33.0
102.5°	13.8	13.8	38.5	74.3	88.1	88.1	79.8	66.1	33.0	11.0	11.0
105°	11.0	13.8	27.5	41.3	44.1	24.8	38.5	41.3	19.3	11.0	11.0
107.5°	11.0	13.8	11.0	13.8	13.8	11.0	13.8	16.5	8.3	11.0	11.0
110°	13.8	13.8	5.5	5.5	5.5	5.5	5.5	5.5	5.5	11.0	13.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.8	13.8	5.5	5.5	5.5	5.5	5.5	5.5	5.5	11.0	13.8
115°	11.0	11.0	5.5	5.5	5.5	5.5	2.8	5.5	5.5	11.0	11.0
117.5°	11.0	11.0	5.5	2.8	2.8	2.8	2.8	5.5	5.5	11.0	13.8
120°	13.8	11.0	5.5	2.8	2.8	2.8	2.8	2.8	8.3	13.8	13.8
122.5°	13.8	13.8	5.5	2.8	2.8	2.8	2.8	2.8	8.3	13.8	16.5
125°	13.8	11.0	5.5	2.8	2.8	2.8	2.8	2.8	5.5	13.8	13.8
127.5°	11.0	11.0	5.5	2.8	2.8	2.8	2.8	2.8	5.5	11.0	13.8
130°	11.0	11.0	5.5	2.8	2.8	2.8	2.8	2.8	5.5	11.0	11.0
132.5°	8.3	8.3	5.5	2.8	2.8	0.0	2.8	2.8	5.5	8.3	8.3
135°	5.5	5.5	2.8	0.0	2.8	0.0	2.8	0.0	2.8	5.5	8.3
137.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
140°	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	2.8	0.0	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8
150°	2.8	2.8	5.5	2.8	2.8	0.0	2.8	2.8	0.0	0.0	2.8
152.5°	5.5	5.5	5.5	2.8	0.0	0.0	2.8	2.8	2.8	2.8	2.8
155°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	5.5	5.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
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)