

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: P560968

Luminaire Tested: **SDL-PA1-70-827-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560968
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-PA1-70-827-U-5WQ-A
Description: Springdale
(1) 80 CRI, 2700K, 930mA 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: 6024.3 lumens
Efficiency: N/A
Efficacy: 83.4 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): 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

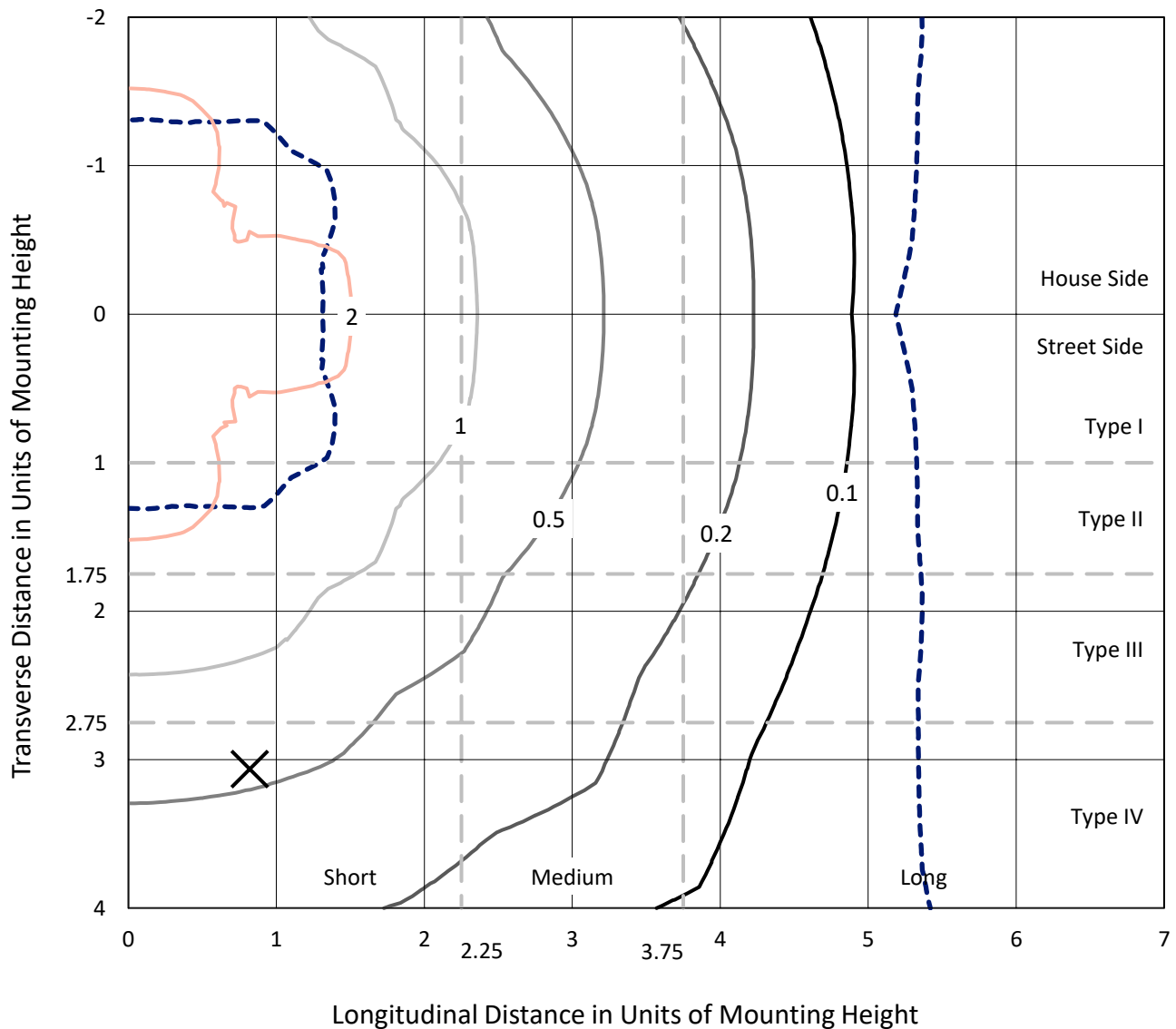


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

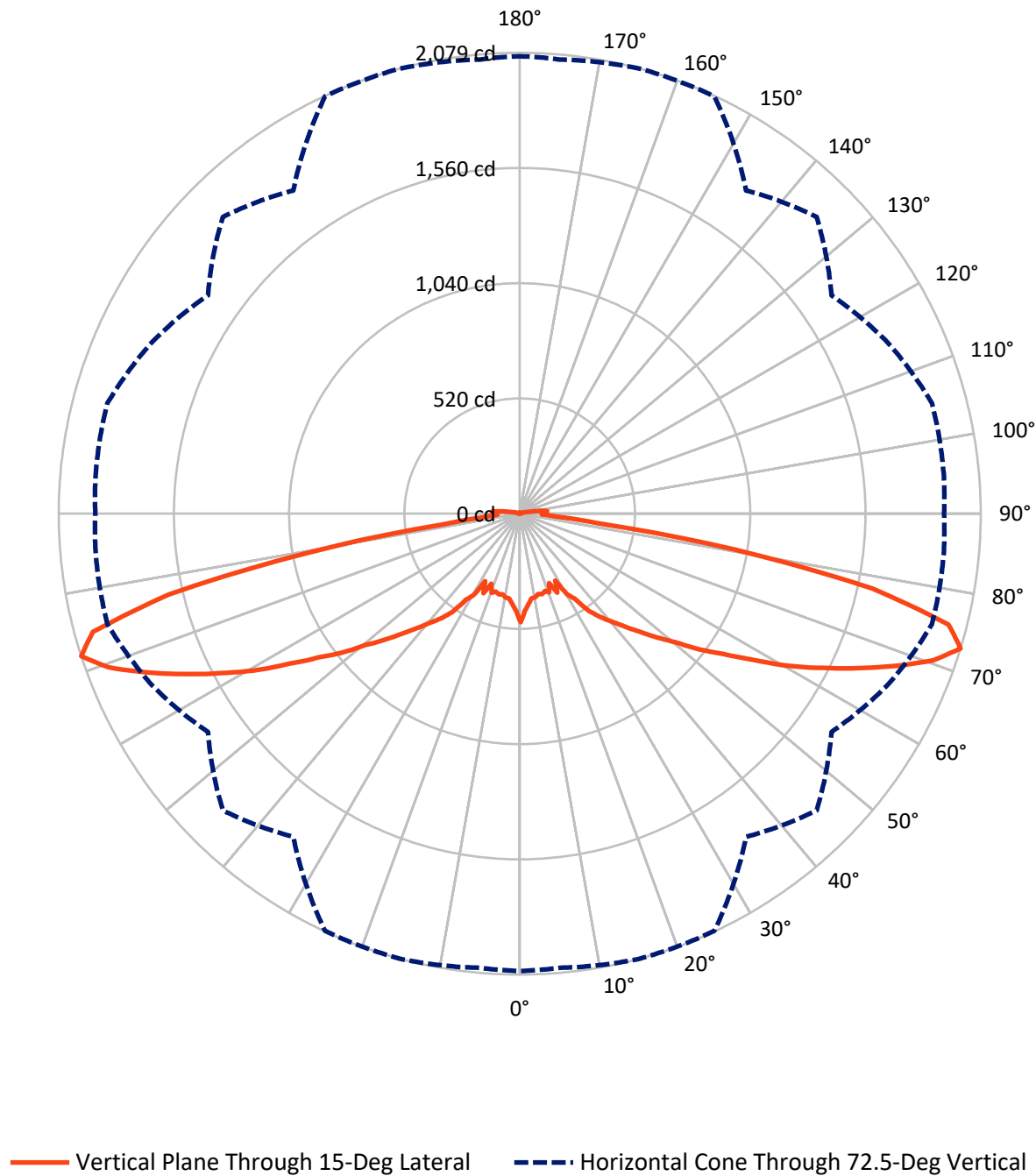


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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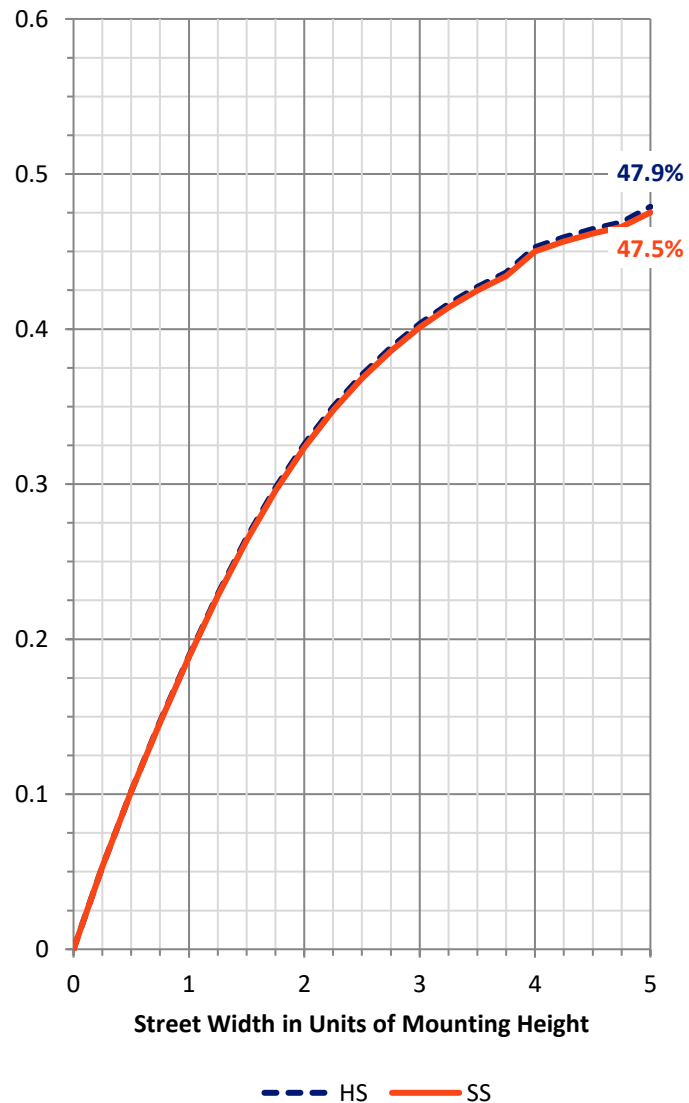
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2920.7	91.5	3012.1
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	2920.7	91.5	3012.1
	% Fixture	48.5	1.5	50.0
Total	Lumens	5841.4	182.9	6024.3
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	0.6
10°-20°	88.9	1.5
20°-30°	156.1	2.6
30°-40°	301.3	5.0
40°-50°	523.6	8.7
50°-60°	922.7	15.3
60°-70°	1558.9	25.9
70°-80°	1832.5	30.4
80°-90°	418.9	7.0
90°-100°	138.2	2.3
100°-110°	32.6	0.5
110°-120°	5.2	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°	5841.4	97.0
0°-180°	6024.3	100.0

Coefficient of Utilization



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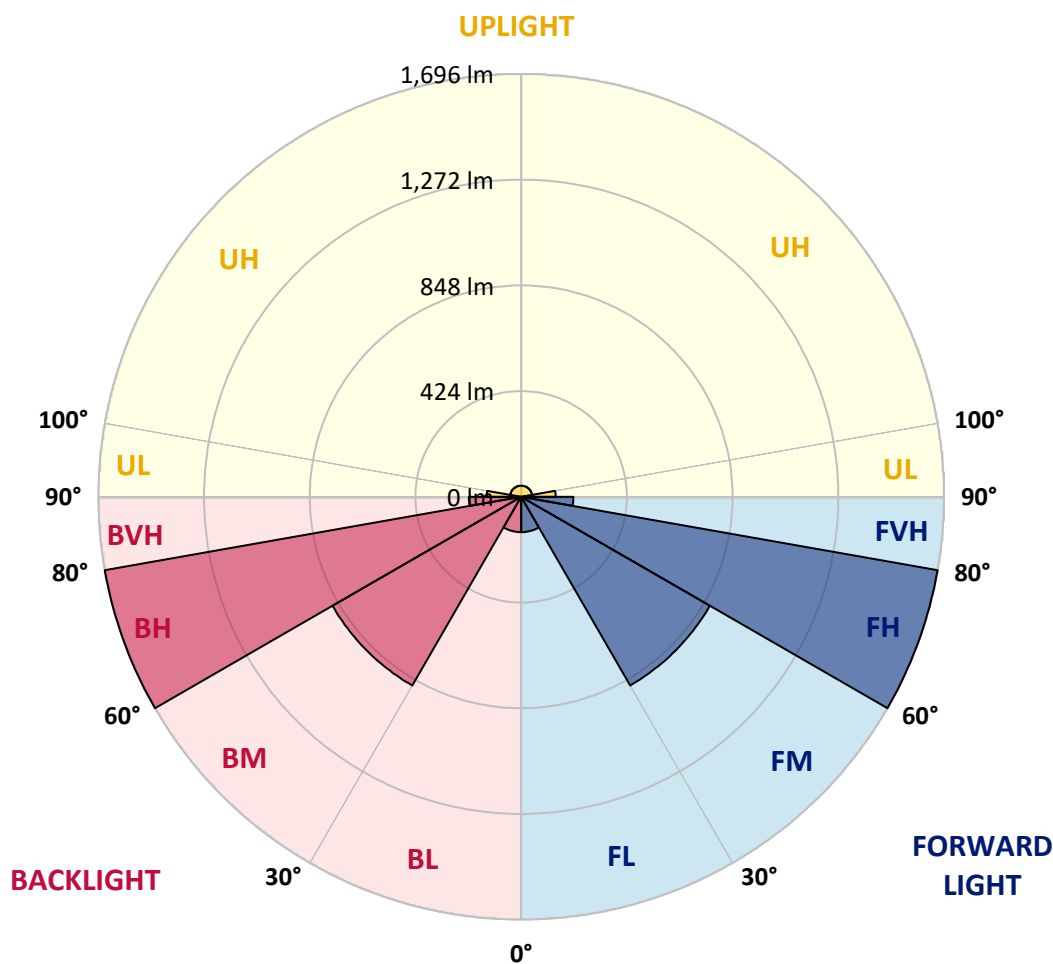
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	141.8	2.4			
FM	(30°-60°)	873.8	14.5			
FH	(60°-80°)	1695.7	28.1			G1/1800
FVH	(80°-90°)	209.4	3.5			G2/225
BL	(0°-30°)	141.8	2.4	B1/500		
BM	(30°-60°)	873.8	14.5	B1/1000		
BH	(60°-80°)	1695.7	28.1	B3/2500		G1/1800
BVH	(80°-90°)	209.4	3.5			G2/225
UL	(90°-100°)	138.2	2.3		U3/500	
UH	(100°-180°)	44.7	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°	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8
2.5°	433.1	442.2	439.9	455.8	469.4	473.9	483.0	483.0	485.3	485.3	485.3
5°	410.4	410.4	410.4	410.4	410.4	408.2	417.3	458.1	471.7	473.9	471.7
7.5°	356.0	367.4	385.5	392.3	399.1	396.8	392.3	367.4	405.9	410.4	412.7
10°	383.2	383.2	383.2	378.7	360.6	344.7	326.5	308.4	315.2	356.0	356.0
12.5°	340.1	337.9	371.9	376.4	342.4	299.3	285.7	292.5	272.1	310.7	310.7
15°	383.2	383.2	376.4	353.8	283.5	299.3	254.0	256.2	290.3	335.6	335.6
17.5°	326.5	328.8	367.4	344.7	308.4	240.4	281.2	254.0	260.8	285.7	288.0
20°	390.0	390.0	378.7	294.8	290.3	299.3	258.5	251.7	290.3	335.6	337.9
22.5°	335.6	335.6	340.1	342.4	299.3	294.8	258.5	292.5	274.4	274.4	306.1
25°	405.9	405.9	394.6	312.9	328.8	285.7	299.3	274.4	335.6	369.6	369.6
27.5°	356.0	356.0	342.4	356.0	317.5	340.1	299.3	324.3	360.6	435.4	439.9
30°	433.1	433.1	421.8	353.8	351.5	331.1	333.3	376.4	464.9	512.5	512.5
32.5°	526.1	528.4	458.1	405.9	356.0	381.0	362.8	428.6	485.3	535.2	537.4
35°	564.6	564.6	539.7	471.7	387.8	401.4	394.6	453.5	521.6	562.4	562.4
37.5°	610.0	610.0	591.9	505.7	426.3	444.5	412.7	487.5	562.4	598.7	594.1
40°	657.6	650.8	639.5	542.0	467.1	471.7	444.5	523.8	600.9	637.2	637.2
42.5°	716.6	716.6	696.2	603.2	508.0	514.8	473.9	569.2	657.6	700.7	703.0
45°	782.3	780.1	759.7	671.2	557.8	569.2	523.8	630.4	727.9	768.7	773.3
47.5°	859.4	859.4	834.5	743.8	621.3	632.7	580.5	691.6	814.1	850.4	854.9
50°	941.1	934.3	911.6	827.7	705.2	700.7	644.0	759.7	904.8	929.7	938.8
52.5°	1036.3	1027.3	1018.2	922.9	798.2	800.5	725.7	832.2	1009.1	1022.7	1027.3
55°	1131.6	1124.8	1118.0	1040.9	900.3	913.9	834.5	932.0	1113.4	1122.5	1131.6
57.5°	1238.1	1244.9	1244.9	1172.4	1015.9	1049.9	952.4	1056.7	1238.1	1231.3	1229.1
60°	1392.3	1378.7	1394.6	1328.9	1174.6	1201.9	1097.5	1208.7	1358.3	1331.1	1324.3
62.5°	1517.1	1514.8	1532.9	1503.5	1322.0	1390.1	1240.4	1353.8	1471.7	1449.0	1451.3
65°	1659.9	1657.7	1680.3	1666.7	1476.2	1562.4	1396.9	1517.1	1607.8	1582.8	1578.3
67.5°	1798.3	1805.1	1832.3	1850.4	1601.0	1712.1	1546.5	1671.3	1741.6	1700.7	1705.3
70°	1968.3	1957.0	1979.7	1981.9	1703.0	1820.9	1662.2	1768.8	1854.9	1827.7	1823.2
72.5°	2063.6	2056.8	2079.4	2077.2	1780.1	1893.5	1716.6	1830.0	1925.2	1920.7	1913.9
75°	1959.3	1968.3	1997.8	2038.6	1784.7	1934.3	1709.8	1789.2	1864.0	1839.1	1832.3
77.5°	1537.5	1555.6	1625.9	1757.4	1664.5	1918.4	1589.6	1569.2	1585.1	1555.6	1537.5
80°	816.4	832.2	981.9	1206.4	1335.7	1666.7	1335.7	1140.6	972.8	852.6	750.6
82.5°	260.8	281.2	351.5	555.6	843.6	1161.0	773.3	437.7	301.6	258.5	242.6
85°	142.9	147.4	158.7	215.4	297.1	469.4	315.2	185.9	163.3	156.5	154.2
87.5°	120.2	122.5	99.8	122.5	142.9	147.4	142.9	102.0	104.3	115.7	113.4
90°	127.0	127.0	102.0	120.2	142.9	145.1	142.9	106.6	104.3	122.5	120.2
92.5°	138.3	138.3	115.7	129.3	158.7	154.2	154.2	111.1	115.7	131.5	131.5
95°	147.4	145.1	124.7	131.5	167.8	172.3	167.8	117.9	124.7	142.9	142.9
97.5°	108.8	104.3	90.7	117.9	158.7	181.4	167.8	111.1	97.5	108.8	106.6
100°	52.2	49.9	47.6	88.4	124.7	138.3	120.2	79.4	43.1	27.2	27.2
102.5°	11.3	11.3	31.7	61.2	72.6	72.6	65.8	54.4	27.2	9.1	9.1
105°	9.1	11.3	22.7	34.0	36.3	20.4	31.7	34.0	15.9	9.1	9.1
107.5°	9.1	11.3	9.1	11.3	11.3	9.1	11.3	13.6	6.8	9.1	9.1
110°	11.3	11.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	9.1	11.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.3	11.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	9.1	11.3
115°	9.1	9.1	4.5	4.5	4.5	4.5	2.3	4.5	4.5	9.1	9.1
117.5°	9.1	9.1	4.5	2.3	2.3	2.3	2.3	4.5	4.5	9.1	11.3
120°	11.3	9.1	4.5	2.3	2.3	2.3	2.3	2.3	6.8	11.3	11.3
122.5°	11.3	11.3	4.5	2.3	2.3	2.3	2.3	2.3	6.8	11.3	13.6
125°	11.3	9.1	4.5	2.3	2.3	2.3	2.3	2.3	4.5	11.3	11.3
127.5°	9.1	9.1	4.5	2.3	2.3	2.3	2.3	2.3	4.5	9.1	11.3
130°	9.1	9.1	4.5	2.3	2.3	2.3	2.3	2.3	4.5	9.1	9.1
132.5°	6.8	6.8	4.5	2.3	2.3	0.0	2.3	2.3	4.5	6.8	6.8
135°	4.5	4.5	2.3	0.0	2.3	0.0	2.3	0.0	2.3	4.5	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	4.5	2.3	2.3	0.0	2.3	2.3	0.0	0.0	2.3
152.5°	4.5	4.5	4.5	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	4.5	4.5
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)