

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: P560506

Luminaire Tested: **SDL-PA1-50-727-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560506
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-PA1-50-727-U-5WQ-A
Description: Springdale
(1) 70 CRI, 2700K, 670mA 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: 5188 lumens
Efficiency: N/A
Efficacy: 99.0 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 - G2

Input Watts (W): 52.4
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

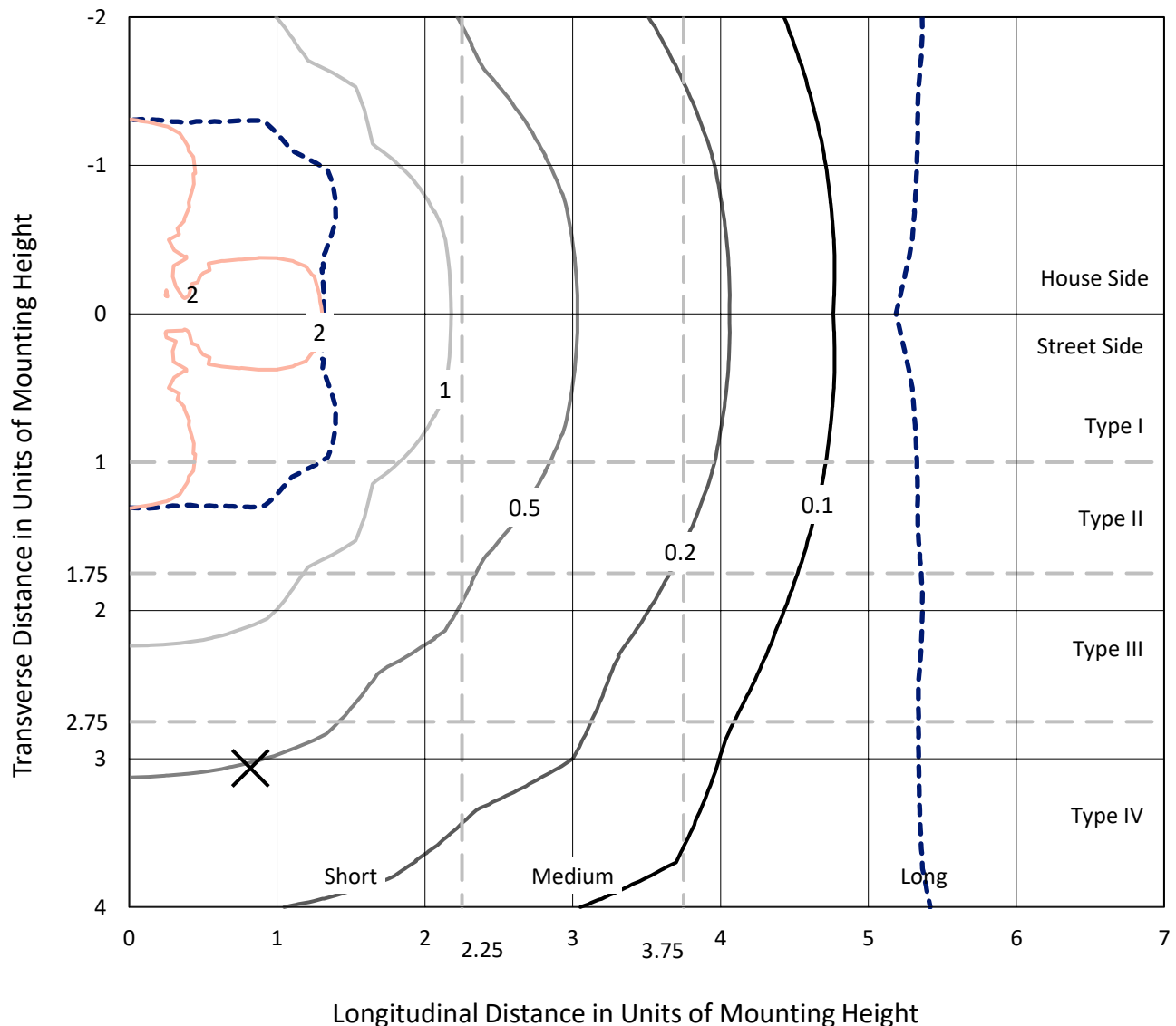


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

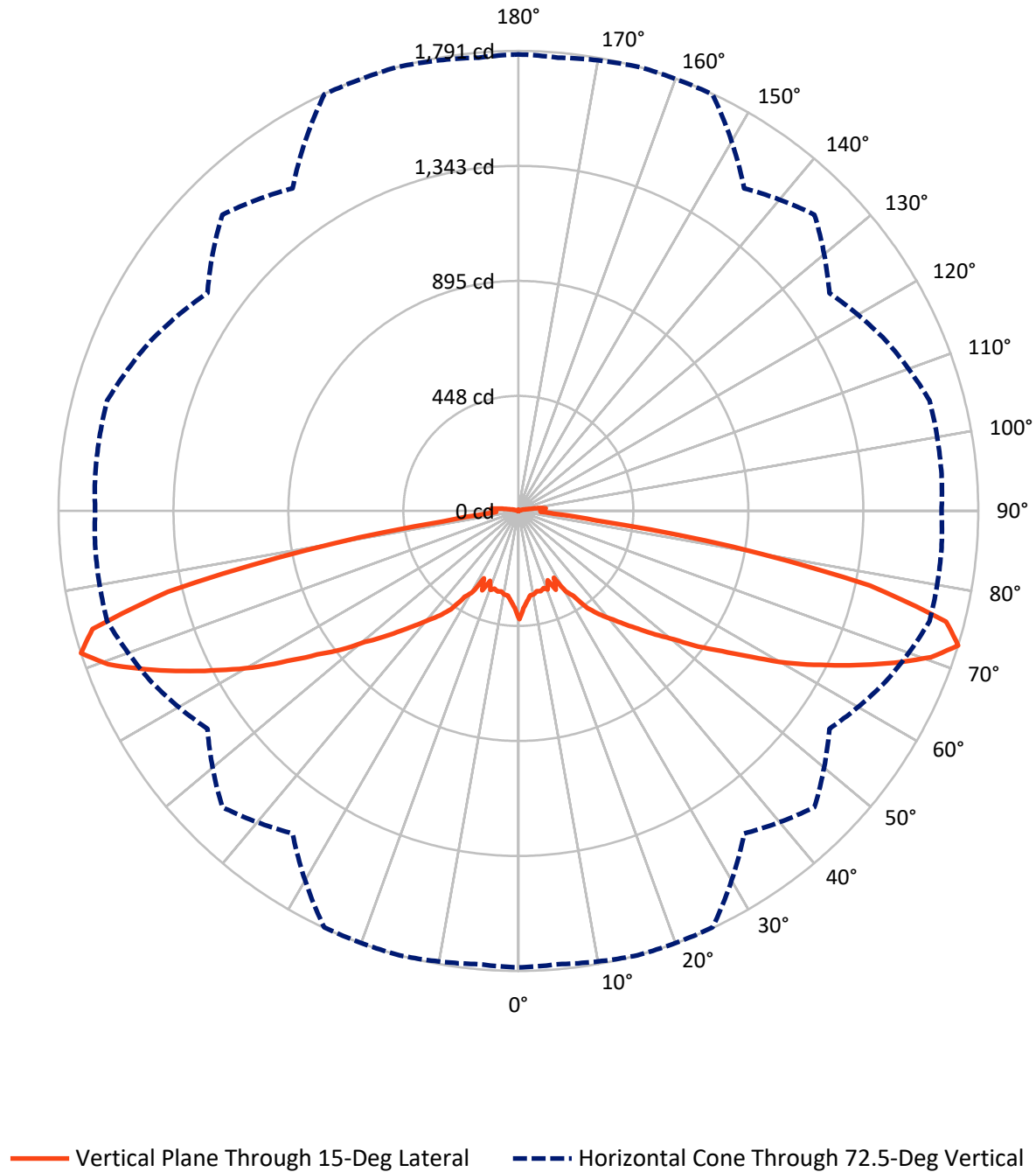


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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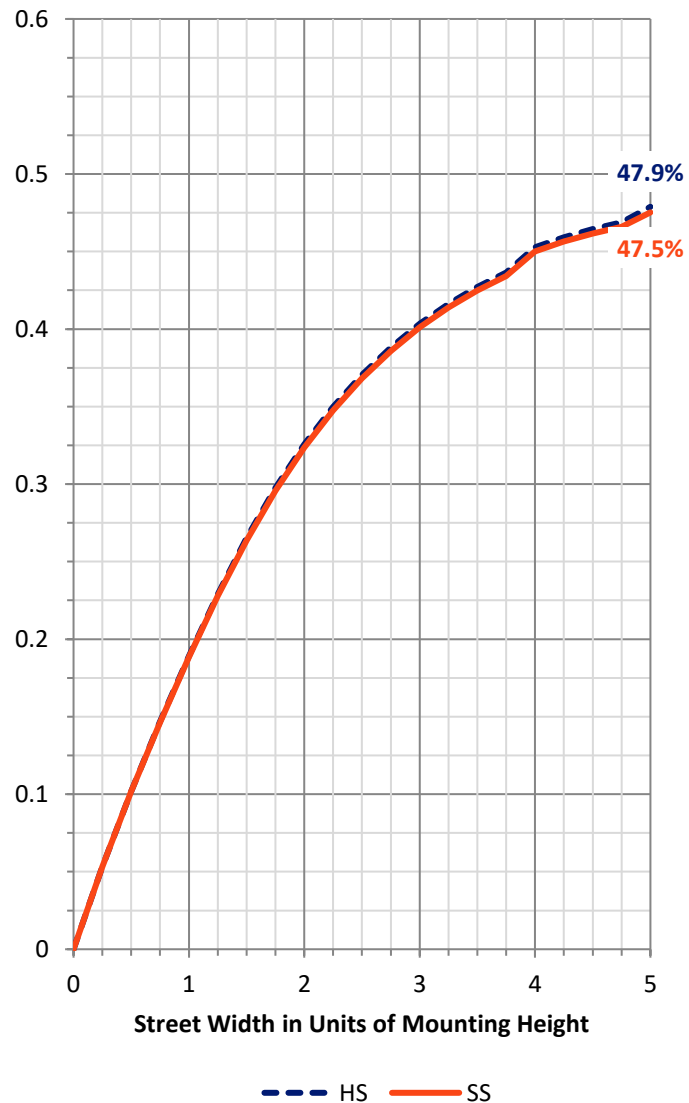
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2515.2	78.8	2594.0
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	2515.2	78.8	2594.0
	% Fixture	48.5	1.5	50.0
Total	Lumens	5030.4	157.6	5188.0
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	0.6
10°-20°	76.5	1.5
20°-30°	134.4	2.6
30°-40°	259.5	5.0
40°-50°	450.9	8.7
50°-60°	794.6	15.3
60°-70°	1342.4	25.9
70°-80°	1578.1	30.4
80°-90°	360.7	7.0
90°-100°	119.0	2.3
100°-110°	28.1	0.5
110°-120°	4.5	0.1
120°-130°	3.6	0.1
130°-140°	1.5	0.0
140°-150°	0.3	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5030.4	97.0
0°-180°	5188.0	100.0



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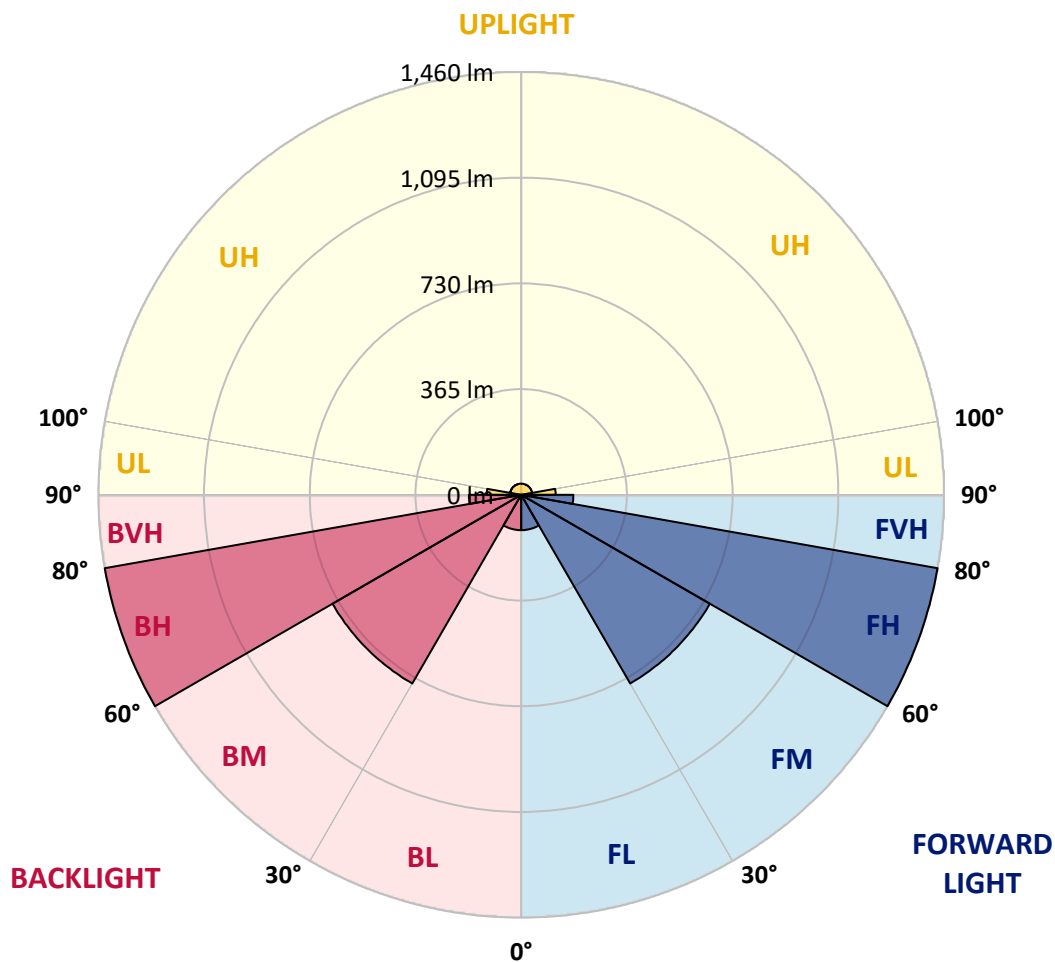
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.1	2.4			
FM	(30°-60°)	752.5	14.5			
FH	(60°-80°)	1460.3	28.1			G1/1800
FVH	(80°-90°)	180.3	3.5			G2/225
BL	(0°-30°)	122.1	2.4	B1/500		
BM	(30°-60°)	752.5	14.5	B1/1000		
BH	(60°-80°)	1460.3	28.1	B3/2500		G1/1800
BVH	(80°-90°)	180.3	3.5			G2/225
UL	(90°-100°)	119.0	2.3		U3/500	
UH	(100°-180°)	38.5	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°	421.8	421.8	421.8	421.8	421.8	421.8	421.8	421.8	421.8	421.8	421.8
2.5°	373.0	380.8	378.9	392.5	404.2	408.1	416.0	416.0	417.9	417.9	417.9
5°	353.5	353.5	353.5	353.5	353.5	351.5	359.3	394.5	406.2	408.1	406.2
7.5°	306.6	316.4	332.0	337.8	343.7	341.7	337.8	316.4	349.6	353.5	355.4
10°	330.0	330.0	330.0	326.1	310.5	296.8	281.2	265.6	271.4	306.6	306.6
12.5°	292.9	291.0	320.3	324.2	294.9	257.8	246.1	251.9	234.3	267.5	267.5
15°	330.0	330.0	324.2	304.6	244.1	257.8	218.7	220.7	250.0	289.0	289.0
17.5°	281.2	283.2	316.4	296.8	265.6	207.0	242.2	218.7	224.6	246.1	248.0
20°	335.9	335.9	326.1	253.9	250.0	257.8	222.6	216.8	250.0	289.0	291.0
22.5°	289.0	289.0	292.9	294.9	257.8	253.9	222.6	251.9	236.3	236.3	263.6
25°	349.6	349.6	339.8	269.5	283.2	246.1	257.8	236.3	289.0	318.3	318.3
27.5°	306.6	306.6	294.9	306.6	273.4	292.9	257.8	279.3	310.5	374.9	378.9
30°	373.0	373.0	363.2	304.6	302.7	285.1	287.1	324.2	400.3	441.3	441.3
32.5°	453.1	455.0	394.5	349.6	306.6	328.1	312.5	369.1	417.9	460.9	462.8
35°	486.3	486.3	464.8	406.2	333.9	345.7	339.8	390.6	449.2	484.3	484.3
37.5°	525.3	525.3	509.7	435.5	367.1	382.8	355.4	419.9	484.3	515.6	511.6
40°	566.3	560.5	550.7	466.7	402.3	406.2	382.8	451.1	517.5	548.8	548.8
42.5°	617.1	617.1	599.5	519.5	437.4	443.3	408.1	490.2	566.3	603.4	605.4
45°	673.7	671.8	654.2	578.0	480.4	490.2	451.1	542.9	626.9	662.0	665.9
47.5°	740.1	740.1	718.7	640.5	535.1	544.8	499.9	595.6	701.1	732.3	736.2
50°	810.4	804.6	785.0	712.8	607.3	603.4	554.6	654.2	779.2	800.7	808.5
52.5°	892.5	884.6	876.8	794.8	687.4	689.4	624.9	716.7	869.0	880.7	884.6
55°	974.5	968.6	962.8	896.4	775.3	787.0	718.7	802.6	958.9	966.7	974.5
57.5°	1066.3	1072.1	1072.1	1009.6	874.9	904.2	820.2	910.0	1066.3	1060.4	1058.4
60°	1199.1	1187.3	1201.0	1144.4	1011.6	1035.0	945.2	1040.9	1169.8	1146.3	1140.5
62.5°	1306.5	1304.5	1320.1	1294.7	1138.5	1197.1	1068.2	1165.9	1267.4	1247.9	1249.8
65°	1429.5	1427.5	1447.1	1435.3	1271.3	1345.5	1203.0	1306.5	1384.6	1363.1	1359.2
67.5°	1548.6	1554.5	1577.9	1593.5	1378.7	1474.4	1331.8	1439.3	1499.8	1464.6	1468.5
70°	1695.1	1685.3	1704.8	1706.8	1466.6	1568.1	1431.4	1523.2	1597.4	1574.0	1570.1
72.5°	1777.1	1771.2	1790.8	1788.8	1533.0	1630.6	1478.3	1576.0	1658.0	1654.1	1648.2
75°	1687.3	1695.1	1720.5	1755.6	1536.9	1665.8	1472.5	1540.8	1605.2	1583.8	1577.9
77.5°	1324.0	1339.7	1400.2	1513.5	1433.4	1652.1	1369.0	1351.4	1365.0	1339.7	1324.0
80°	703.0	716.7	845.6	1038.9	1150.2	1435.3	1150.2	982.3	837.8	734.3	646.4
82.5°	224.6	242.2	302.7	478.4	726.5	999.9	665.9	376.9	259.7	222.6	209.0
85°	123.0	126.9	136.7	185.5	255.8	404.2	271.4	160.1	140.6	134.7	132.8
87.5°	103.5	105.5	85.9	105.5	123.0	126.9	123.0	87.9	89.8	99.6	97.6
90°	109.4	109.4	87.9	103.5	123.0	125.0	123.0	91.8	89.8	105.5	103.5
92.5°	119.1	119.1	99.6	111.3	136.7	132.8	132.8	95.7	99.6	113.3	113.3
95°	126.9	125.0	107.4	113.3	144.5	148.4	144.5	101.5	107.4	123.0	123.0
97.5°	93.7	89.8	78.1	101.5	136.7	156.2	144.5	95.7	84.0	93.7	91.8
100°	44.9	43.0	41.0	76.2	107.4	119.1	103.5	68.3	37.1	23.4	23.4
102.5°	9.8	9.8	27.3	52.7	62.5	62.5	56.6	46.9	23.4	7.8	7.8
105°	7.8	9.8	19.5	29.3	31.2	17.6	27.3	29.3	13.7	7.8	7.8
107.5°	7.8	9.8	7.8	9.8	9.8	7.8	9.8	11.7	5.9	7.8	7.8
110°	9.8	9.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	7.8	9.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.8	9.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	7.8	9.8
115°	7.8	7.8	3.9	3.9	3.9	3.9	2.0	3.9	3.9	7.8	7.8
117.5°	7.8	7.8	3.9	2.0	2.0	2.0	2.0	3.9	3.9	7.8	9.8
120°	9.8	7.8	3.9	2.0	2.0	2.0	2.0	2.0	5.9	9.8	9.8
122.5°	9.8	9.8	3.9	2.0	2.0	2.0	2.0	2.0	5.9	9.8	11.7
125°	9.8	7.8	3.9	2.0	2.0	2.0	2.0	2.0	3.9	9.8	9.8
127.5°	7.8	7.8	3.9	2.0	2.0	2.0	2.0	2.0	3.9	7.8	9.8
130°	7.8	7.8	3.9	2.0	2.0	2.0	2.0	2.0	3.9	7.8	7.8
132.5°	5.9	5.9	3.9	2.0	2.0	0.0	2.0	2.0	3.9	5.9	5.9
135°	3.9	3.9	2.0	0.0	2.0	0.0	2.0	0.0	2.0	3.9	5.9
137.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
140°	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	2.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	2.0	0.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0
150°	2.0	2.0	3.9	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0
152.5°	3.9	3.9	3.9	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
155°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	3.9	3.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
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)