

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: P560660

Luminaire Tested: **SDL-PA1-60-722-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560660
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-PA1-60-722-U-5WQ-A
Description: Springdale
(1) 70 CRI, 2200K, 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: 5312.9 lumens
Efficiency: N/A
Efficacy: 85.1 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

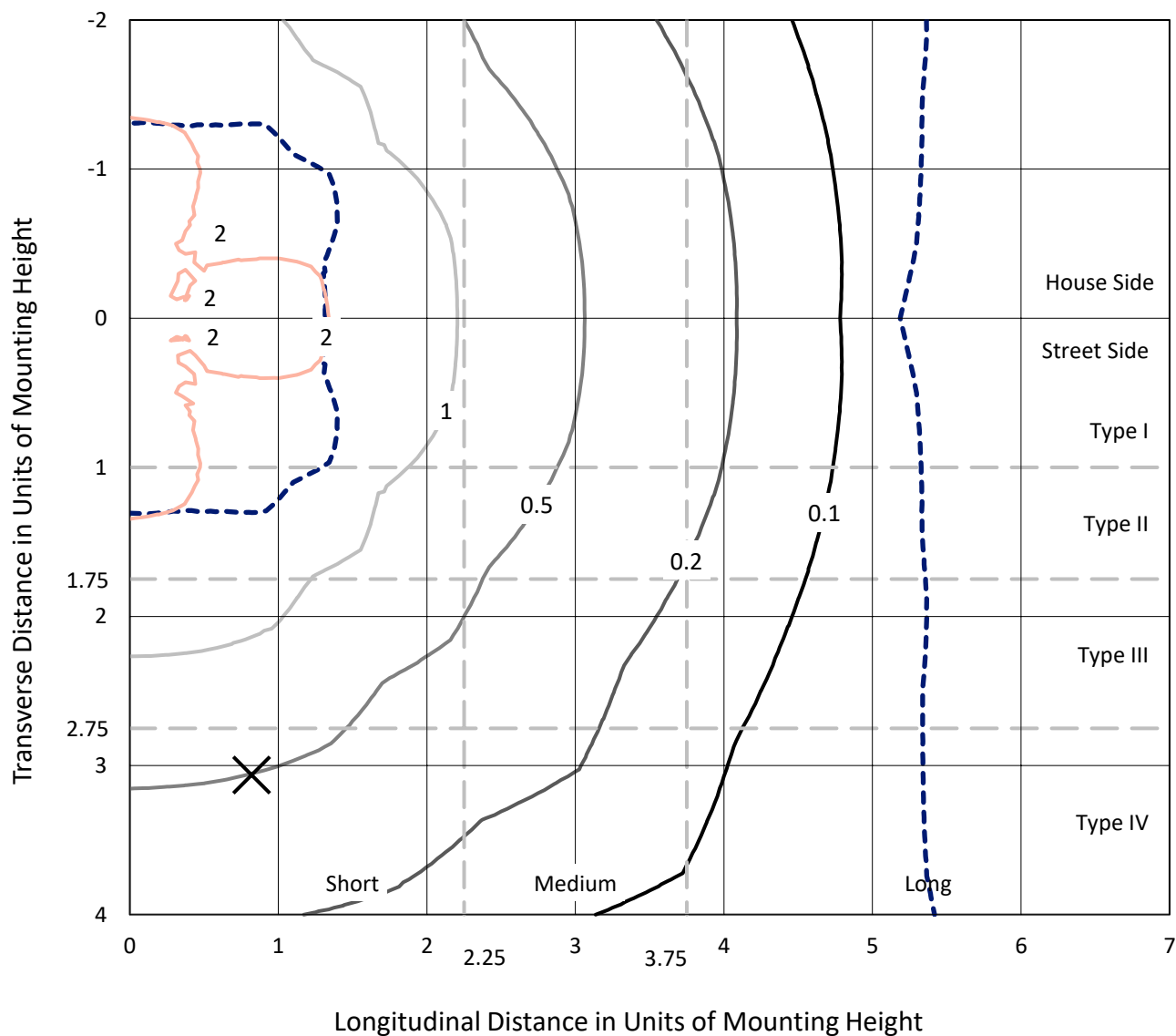


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

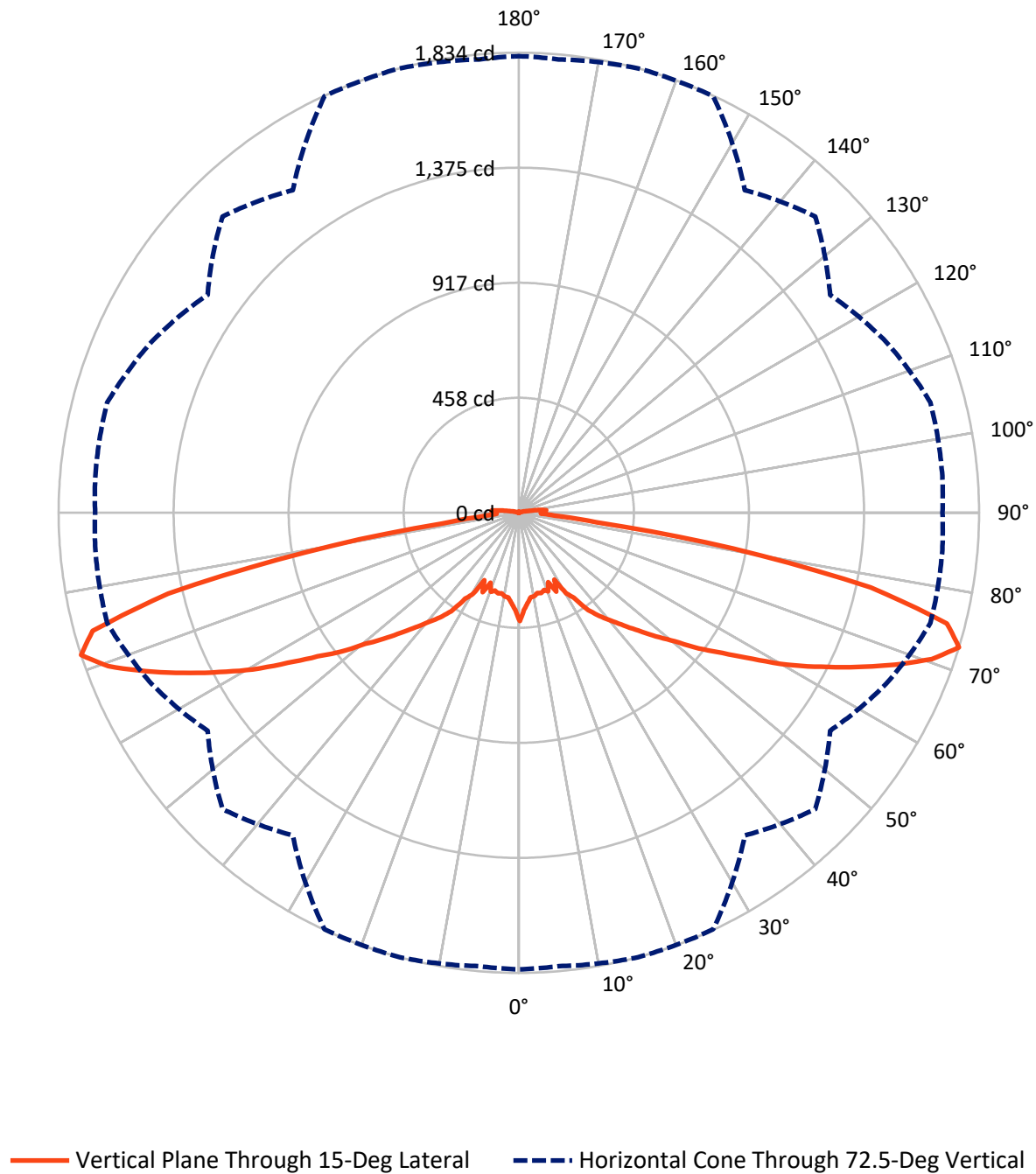


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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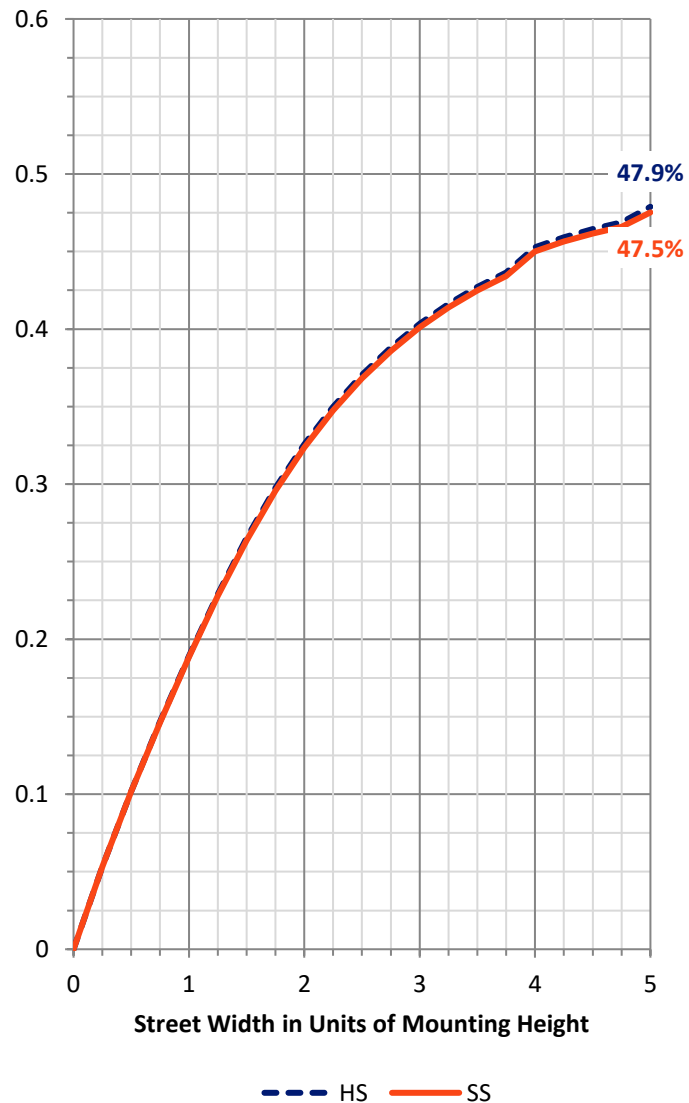
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2575.8	80.7	2656.4
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	2575.8	80.7	2656.4
	% Fixture	48.5	1.5	50.0
Total	Lumens	5151.6	161.3	5312.9
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	0.6
10°-20°	78.4	1.5
20°-30°	137.6	2.6
30°-40°	265.7	5.0
40°-50°	461.8	8.7
50°-60°	813.7	15.3
60°-70°	1374.8	25.9
70°-80°	1616.1	30.4
80°-90°	369.4	7.0
90°-100°	121.9	2.3
100°-110°	28.7	0.5
110°-120°	4.6	0.1
120°-130°	3.7	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°	5151.6	97.0
0°-180°	5312.9	100.0



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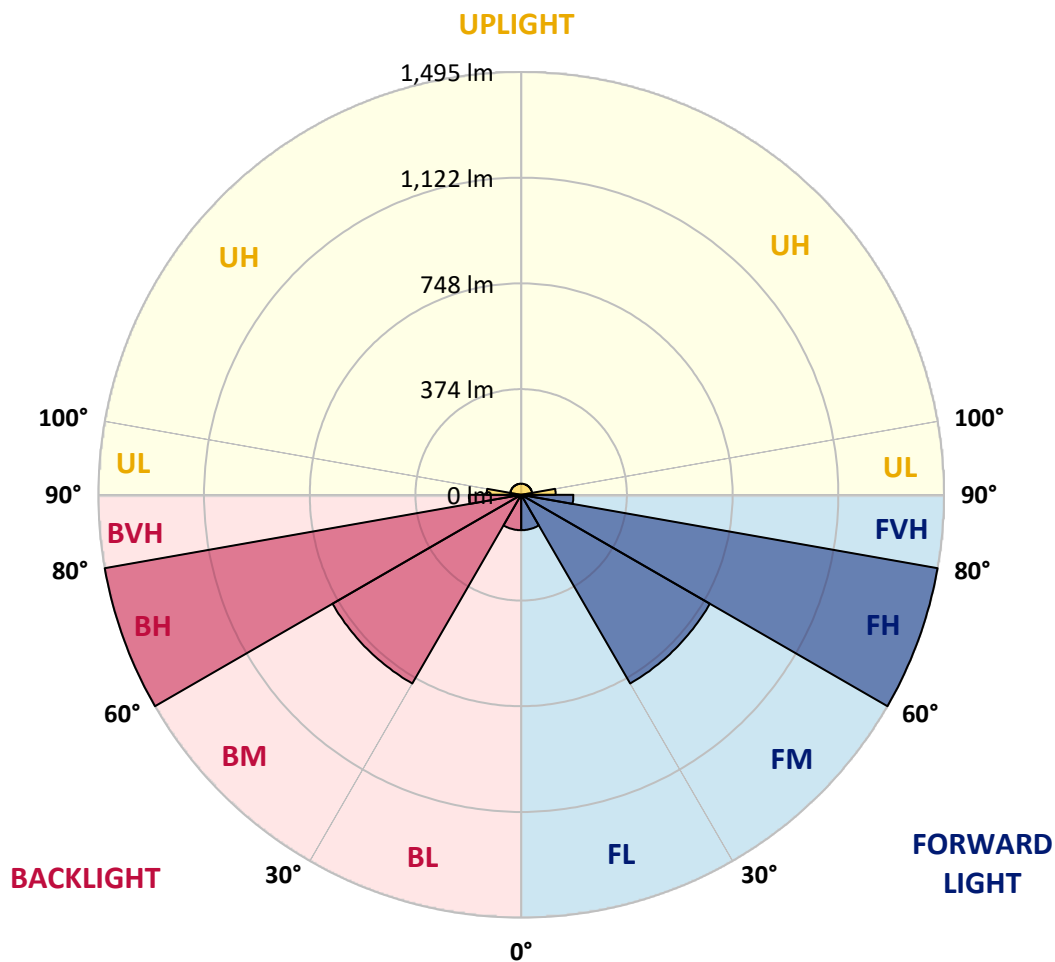
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.0	2.4			
FM	(30°-60°)	770.6	14.5			
FH	(60°-80°)	1495.4	28.1			G1/1800
FVH	(80°-90°)	184.7	3.5			G2/225
BL	(0°-30°)	125.0	2.4	B1/500		
BM	(30°-60°)	770.6	14.5	B1/1000		
BH	(60°-80°)	1495.4	28.1	B3/2500		G1/1800
BVH	(80°-90°)	184.7	3.5			G2/225
UL	(90°-100°)	121.9	2.3		U3/500	
UH	(100°-180°)	39.4	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°	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
2.5°	382.0	390.0	388.0	402.0	414.0	418.0	426.0	426.0	428.0	428.0	428.0
5°	362.0	362.0	362.0	362.0	362.0	360.0	368.0	404.0	416.0	418.0	416.0
7.5°	314.0	324.0	340.0	346.0	352.0	350.0	346.0	324.0	358.0	362.0	364.0
10°	338.0	338.0	338.0	334.0	318.0	304.0	288.0	272.0	278.0	314.0	314.0
12.5°	300.0	298.0	328.0	332.0	302.0	264.0	252.0	258.0	240.0	274.0	274.0
15°	338.0	338.0	332.0	312.0	250.0	264.0	224.0	226.0	256.0	296.0	296.0
17.5°	288.0	290.0	324.0	304.0	272.0	212.0	248.0	224.0	230.0	252.0	254.0
20°	344.0	344.0	334.0	260.0	256.0	264.0	228.0	222.0	256.0	296.0	298.0
22.5°	296.0	296.0	300.0	302.0	264.0	260.0	228.0	258.0	242.0	242.0	270.0
25°	358.0	358.0	348.0	276.0	290.0	252.0	264.0	242.0	296.0	326.0	326.0
27.5°	314.0	314.0	302.0	314.0	280.0	300.0	264.0	286.0	318.0	384.0	388.0
30°	382.0	382.0	372.0	312.0	310.0	292.0	294.0	332.0	410.0	452.0	452.0
32.5°	464.0	466.0	404.0	358.0	314.0	336.0	320.0	378.0	428.0	472.0	474.0
35°	498.0	498.0	476.0	416.0	342.0	354.0	348.0	400.0	460.0	496.0	496.0
37.5°	538.0	538.0	522.0	446.0	376.0	392.0	364.0	430.0	496.0	528.0	524.0
40°	580.0	574.0	564.0	478.0	412.0	416.0	392.0	462.0	530.0	562.0	562.0
42.5°	632.0	632.0	614.0	532.0	448.0	454.0	418.0	502.0	580.0	618.0	620.0
45°	690.0	688.0	670.0	592.0	492.0	502.0	462.0	556.0	642.0	678.0	682.0
47.5°	757.9	757.9	735.9	656.0	548.0	558.0	512.0	610.0	718.0	749.9	753.9
50°	829.9	823.9	803.9	729.9	622.0	618.0	568.0	670.0	797.9	819.9	827.9
52.5°	913.9	905.9	897.9	813.9	704.0	706.0	640.0	733.9	889.9	901.9	905.9
55°	997.9	991.9	985.9	917.9	793.9	805.9	735.9	821.9	981.9	989.9	997.9
57.5°	1091.9	1097.9	1097.9	1033.9	895.9	925.9	839.9	931.9	1091.9	1085.9	1083.9
60°	1227.9	1215.9	1229.9	1171.9	1035.9	1059.9	967.9	1065.9	1197.9	1173.9	1167.9
62.5°	1337.9	1335.9	1351.9	1325.9	1165.9	1225.9	1093.9	1193.9	1297.9	1277.9	1279.9
65°	1463.9	1461.9	1481.9	1469.9	1301.9	1377.9	1231.9	1337.9	1417.9	1395.9	1391.9
67.5°	1585.9	1591.9	1615.9	1631.9	1411.9	1509.9	1363.9	1473.9	1535.9	1499.9	1503.9
70°	1735.9	1725.9	1745.9	1747.9	1501.9	1605.9	1465.9	1559.9	1635.9	1611.9	1607.9
72.5°	1819.9	1813.9	1833.9	1831.9	1569.9	1669.9	1513.9	1613.9	1697.9	1693.9	1687.9
75°	1727.9	1735.9	1761.9	1797.9	1573.9	1705.9	1507.9	1577.9	1643.9	1621.9	1615.9
77.5°	1355.9	1371.9	1433.9	1549.9	1467.9	1691.9	1401.9	1383.9	1397.9	1371.9	1355.9
80°	720.0	733.9	865.9	1063.9	1177.9	1469.9	1177.9	1005.9	857.9	751.9	662.0
82.5°	230.0	248.0	310.0	490.0	743.9	1023.9	682.0	386.0	266.0	228.0	214.0
85°	126.0	130.0	140.0	190.0	262.0	414.0	278.0	164.0	144.0	138.0	136.0
87.5°	106.0	108.0	88.0	108.0	126.0	130.0	126.0	90.0	92.0	102.0	100.0
90°	112.0	112.0	90.0	106.0	126.0	128.0	126.0	94.0	92.0	108.0	106.0
92.5°	122.0	122.0	102.0	114.0	140.0	136.0	136.0	98.0	102.0	116.0	116.0
95°	130.0	128.0	110.0	116.0	148.0	152.0	148.0	104.0	110.0	126.0	126.0
97.5°	96.0	92.0	80.0	104.0	140.0	160.0	148.0	98.0	86.0	96.0	94.0
100°	46.0	44.0	42.0	78.0	110.0	122.0	106.0	70.0	38.0	24.0	24.0
102.5°	10.0	10.0	28.0	54.0	64.0	64.0	58.0	48.0	24.0	8.0	8.0
105°	8.0	10.0	20.0	30.0	32.0	18.0	28.0	30.0	14.0	8.0	8.0
107.5°	8.0	10.0	8.0	10.0	10.0	8.0	10.0	12.0	6.0	8.0	8.0
110°	10.0	10.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	8.0	10.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.0	10.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	8.0	10.0
115°	8.0	8.0	4.0	4.0	4.0	4.0	2.0	4.0	4.0	8.0	8.0
117.5°	8.0	8.0	4.0	2.0	2.0	2.0	2.0	4.0	4.0	8.0	10.0
120°	10.0	8.0	4.0	2.0	2.0	2.0	2.0	2.0	6.0	10.0	10.0
122.5°	10.0	10.0	4.0	2.0	2.0	2.0	2.0	2.0	6.0	10.0	12.0
125°	10.0	8.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	10.0	10.0
127.5°	8.0	8.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0	10.0
130°	8.0	8.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0	8.0
132.5°	6.0	6.0	4.0	2.0	2.0	0.0	2.0	2.0	4.0	6.0	6.0
135°	4.0	4.0	2.0	0.0	2.0	0.0	2.0	0.0	2.0	4.0	6.0
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	4.0	2.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0
152.5°	4.0	4.0	4.0	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	4.0	4.0
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)