

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: P560110

Luminaire Tested: **SDL-PA1-20-830-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560110
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-PA1-20-830-U-5WQ-A
Description: Springdale
(1) 80 CRI, 3000K, 260mA 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: 2111.4 lumens
Efficiency: N/A
Efficacy: 100.5 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: B2 - U2 - G1

Input Watts (W): 21
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

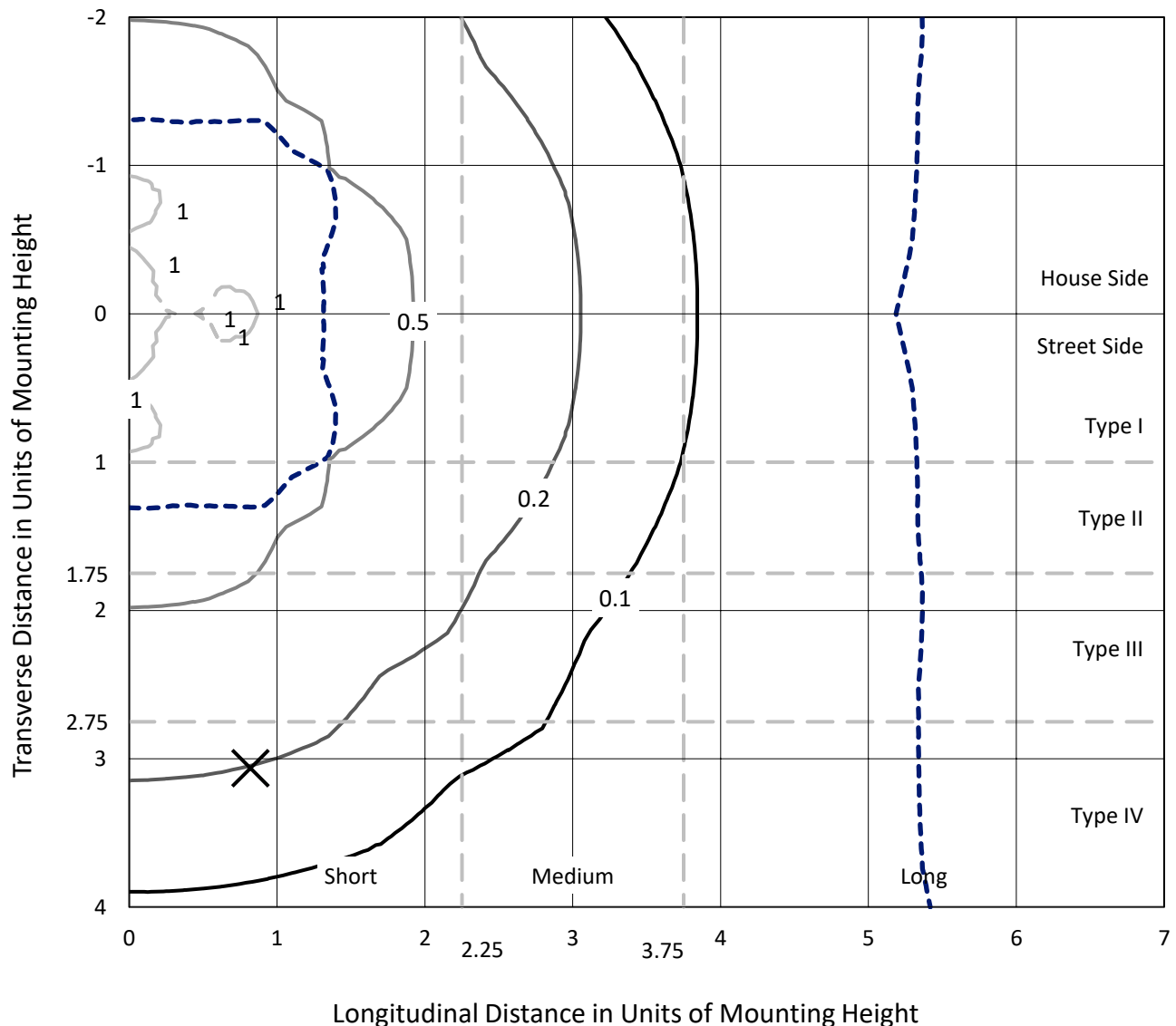


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

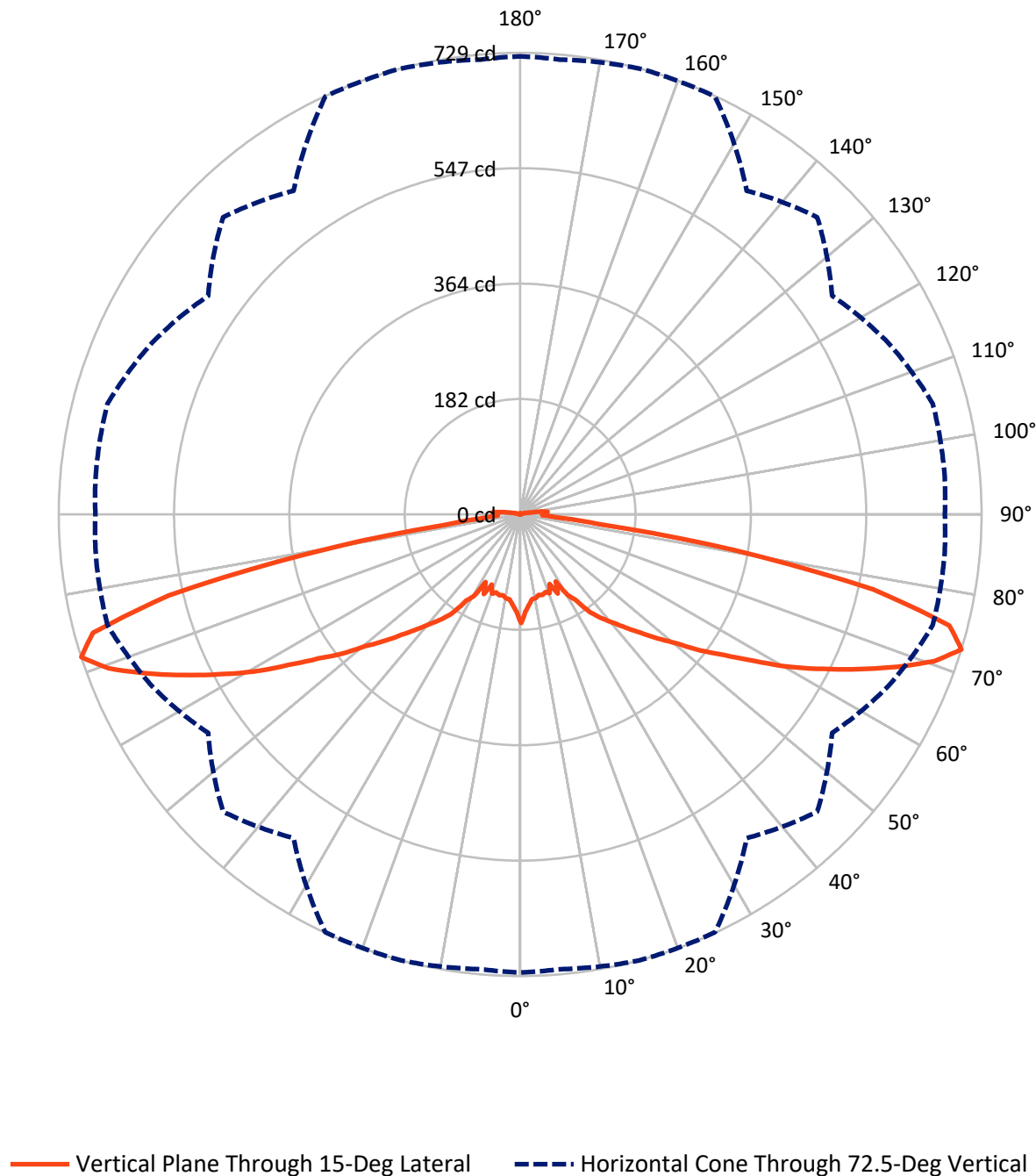


Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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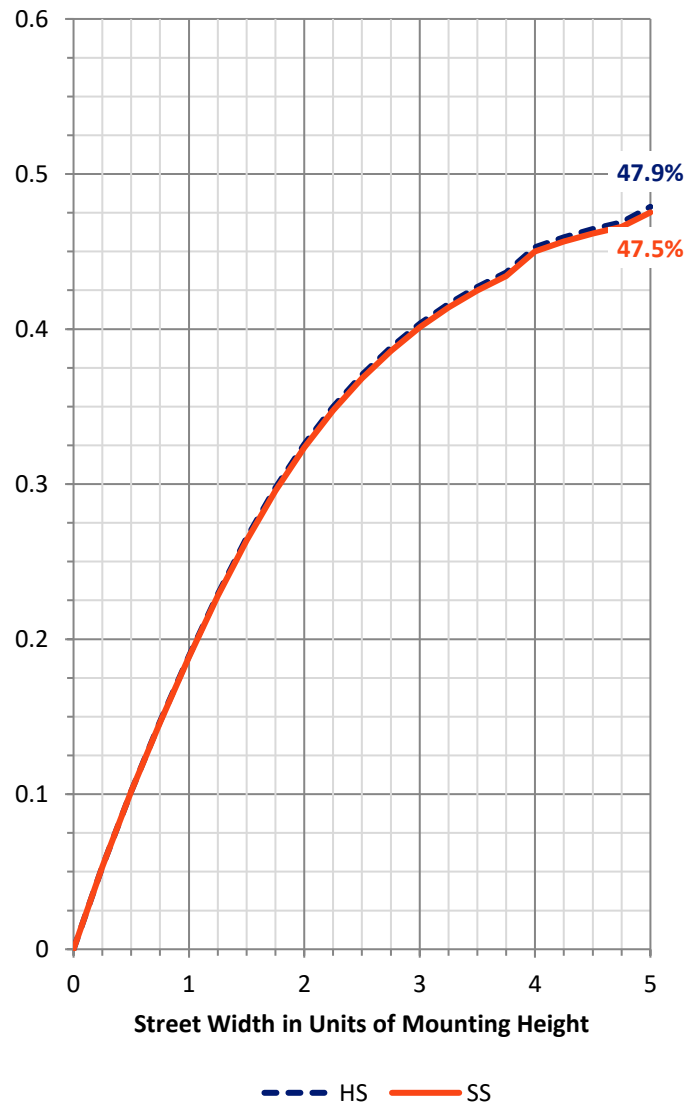
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1023.6	32.1	1055.7
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	1023.6	32.1	1055.7
	% Fixture	48.5	1.5	50.0
Total	Lumens	2047.3	64.1	2111.4
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	0.6
10°-20°	31.1	1.5
20°-30°	54.7	2.6
30°-40°	105.6	5.0
40°-50°	183.5	8.7
50°-60°	323.4	15.3
60°-70°	546.3	25.9
70°-80°	642.3	30.4
80°-90°	146.8	7.0
90°-100°	48.4	2.3
100°-110°	11.4	0.5
110°-120°	1.9	0.1
120°-130°	1.5	0.1
130°-140°	0.6	0.0
140°-150°	0.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2047.3	97.0
0°-180°	2111.4	100.0

Coefficient of Utilization



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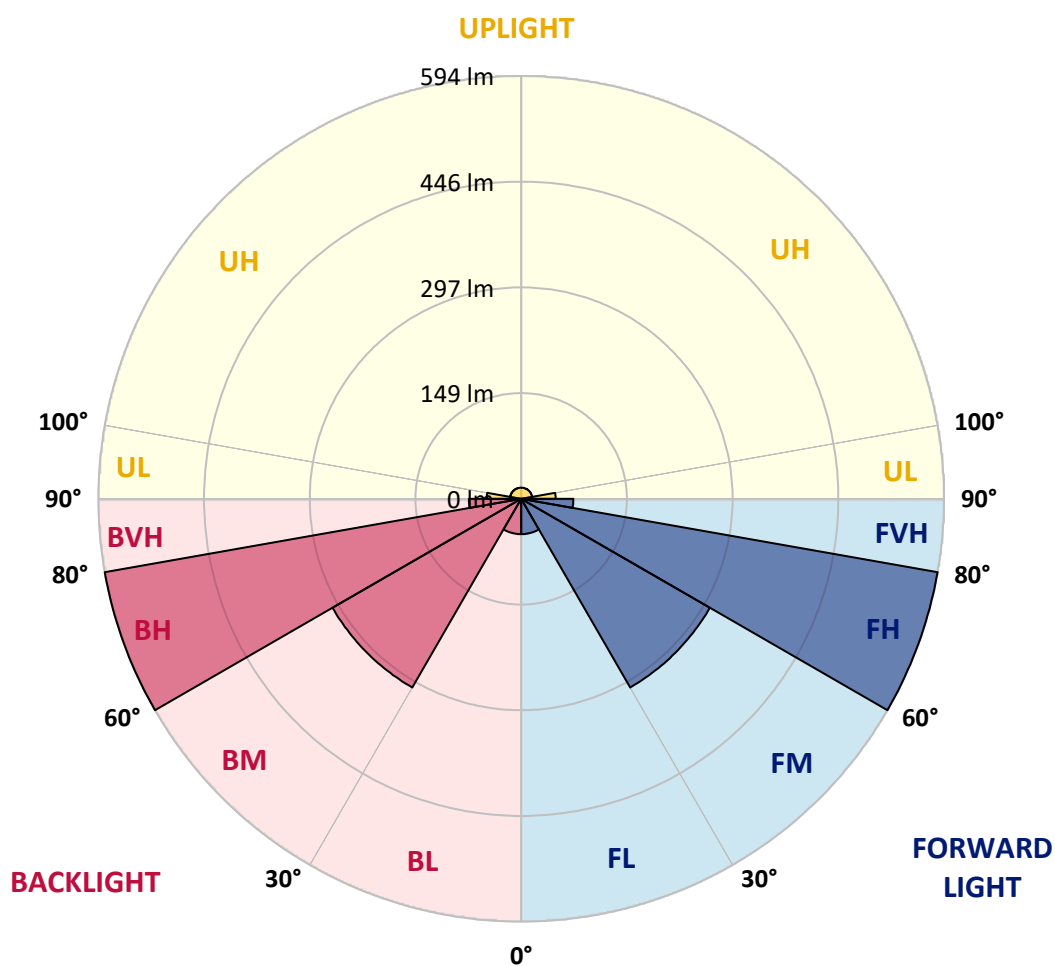
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	49.7	2.4			
FM	(30°-60°)	306.2	14.5			
FH	(60°-80°)	594.3	28.1			G0/660
FVH	(80°-90°)	73.4	3.5			G1/100
BL	(0°-30°)	49.7	2.4	B0/110		
BM	(30°-60°)	306.2	14.5	B1/1000		
BH	(60°-80°)	594.3	28.1	B2/1000		G0/660
BVH	(80°-90°)	73.4	3.5			G1/100
UL	(90°-100°)	48.4	2.3		U2/50	
UH	(100°-180°)	15.7	0.7		U2/50	

BUG Rating: B2-U2-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7
2.5°	151.8	155.0	154.2	159.7	164.5	166.1	169.3	169.3	170.1	170.1	170.1
5°	143.9	143.9	143.9	143.9	143.9	143.1	146.2	160.5	165.3	166.1	165.3
7.5°	124.8	128.8	135.1	137.5	139.9	139.1	137.5	128.8	142.3	143.9	144.6
10°	134.3	134.3	134.3	132.7	126.4	120.8	114.4	108.1	110.5	124.8	124.8
12.5°	119.2	118.4	130.3	131.9	120.0	104.9	100.1	102.5	95.4	108.9	108.9
15°	134.3	134.3	131.9	124.0	99.3	104.9	89.0	89.8	101.7	117.6	117.6
17.5°	114.4	115.2	128.8	120.8	108.1	84.2	98.6	89.0	91.4	100.1	100.9
20°	136.7	136.7	132.7	103.3	101.7	104.9	90.6	88.2	101.7	117.6	118.4
22.5°	117.6	117.6	119.2	120.0	104.9	103.3	90.6	102.5	96.2	96.2	107.3
25°	142.3	142.3	138.3	109.7	115.2	100.1	104.9	96.2	117.6	129.5	129.5
27.5°	124.8	124.8	120.0	124.8	111.3	119.2	104.9	113.7	126.4	152.6	154.2
30°	151.8	151.8	147.8	124.0	123.2	116.0	116.8	131.9	162.9	179.6	179.6
32.5°	184.4	185.2	160.5	142.3	124.8	133.5	127.2	150.2	170.1	187.6	188.4
35°	197.9	197.9	189.2	165.3	135.9	140.7	138.3	159.0	182.8	197.1	197.1
37.5°	213.8	213.8	207.4	177.2	149.4	155.8	144.6	170.9	197.1	209.8	208.2
40°	230.5	228.1	224.1	189.9	163.7	165.3	155.8	183.6	210.6	223.3	223.3
42.5°	251.1	251.1	244.0	211.4	178.0	180.4	166.1	199.5	230.5	245.6	246.4
45°	274.2	273.4	266.2	235.2	195.5	199.5	183.6	220.9	255.1	269.4	271.0
47.5°	301.2	301.2	292.5	260.7	217.8	221.7	203.5	242.4	285.3	298.0	299.6
50°	329.8	327.4	319.5	290.1	247.2	245.6	225.7	266.2	317.1	325.9	329.0
52.5°	363.2	360.0	356.8	323.5	279.8	280.6	254.3	291.7	353.7	358.4	360.0
55°	396.6	394.2	391.8	364.8	315.5	320.3	292.5	326.6	390.2	393.4	396.6
57.5°	433.9	436.3	436.3	410.9	356.1	368.0	333.8	370.4	433.9	431.6	430.8
60°	488.0	483.2	488.8	465.7	411.7	421.2	384.7	423.6	476.1	466.5	464.1
62.5°	531.7	530.9	537.3	526.9	463.3	487.2	434.7	474.5	515.8	507.9	508.6
65°	581.8	581.0	588.9	584.1	517.4	547.6	489.6	531.7	563.5	554.7	553.2
67.5°	630.2	632.6	642.2	648.5	561.1	600.0	542.0	585.7	610.4	596.1	597.7
70°	689.9	685.9	693.8	694.6	596.9	638.2	582.6	619.9	650.1	640.6	639.0
72.5°	723.2	720.8	728.8	728.0	623.9	663.6	601.6	641.4	674.8	673.2	670.8
75°	686.7	689.9	700.2	714.5	625.5	677.9	599.2	627.1	653.3	644.6	642.2
77.5°	538.8	545.2	569.8	615.9	583.4	672.4	557.1	550.0	555.5	545.2	538.8
80°	286.1	291.7	344.1	422.8	468.1	584.1	468.1	399.8	341.0	298.8	263.1
82.5°	91.4	98.6	123.2	194.7	295.7	406.9	271.0	153.4	105.7	90.6	85.0
85°	50.1	51.7	55.6	75.5	104.1	164.5	110.5	65.2	57.2	54.8	54.0
87.5°	42.1	42.9	35.0	42.9	50.1	51.7	50.1	35.8	36.6	40.5	39.7
90°	44.5	44.5	35.8	42.1	50.1	50.9	50.1	37.4	36.6	42.9	42.1
92.5°	48.5	48.5	40.5	45.3	55.6	54.0	54.0	38.9	40.5	46.1	46.1
95°	51.7	50.9	43.7	46.1	58.8	60.4	58.8	41.3	43.7	50.1	50.1
97.5°	38.1	36.6	31.8	41.3	55.6	63.6	58.8	38.9	34.2	38.1	37.4
100°	18.3	17.5	16.7	31.0	43.7	48.5	42.1	27.8	15.1	9.5	9.5
102.5°	4.0	4.0	11.1	21.5	25.4	25.4	23.0	19.1	9.5	3.2	3.2
105°	3.2	4.0	7.9	11.9	12.7	7.2	11.1	11.9	5.6	3.2	3.2
107.5°	3.2	4.0	3.2	4.0	4.0	3.2	4.0	4.8	2.4	3.2	3.2
110°	4.0	4.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	4.0	4.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.0
115°	3.2	3.2	1.6	1.6	1.6	1.6	0.8	1.6	1.6	3.2	3.2
117.5°	3.2	3.2	1.6	0.8	0.8	0.8	0.8	1.6	1.6	3.2	4.0
120°	4.0	3.2	1.6	0.8	0.8	0.8	0.8	0.8	2.4	4.0	4.0
122.5°	4.0	4.0	1.6	0.8	0.8	0.8	0.8	0.8	2.4	4.0	4.8
125°	4.0	3.2	1.6	0.8	0.8	0.8	0.8	0.8	1.6	4.0	4.0
127.5°	3.2	3.2	1.6	0.8	0.8	0.8	0.8	0.8	1.6	3.2	4.0
130°	3.2	3.2	1.6	0.8	0.8	0.8	0.8	0.8	1.6	3.2	3.2
132.5°	2.4	2.4	1.6	0.8	0.8	0.0	0.8	0.8	1.6	2.4	2.4
135°	1.6	1.6	0.8	0.0	0.8	0.0	0.8	0.0	0.8	1.6	2.4
137.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
140°	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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	0.8	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.8	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8
150°	0.8	0.8	1.6	0.8	0.8	0.0	0.8	0.8	0.0	0.0	0.8
152.5°	1.6	1.6	1.6	0.8	0.0	0.0	0.8	0.8	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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)