

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: P560462

Luminaire Tested: **SDL-PA1-40-830-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560462
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-PA1-40-830-U-5WQ-A
Description: Springdale
(1) 80 CRI, 3000K, 500mA 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: 3799.3 lumens
Efficiency: N/A
Efficacy: 96.4 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): 39.4
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



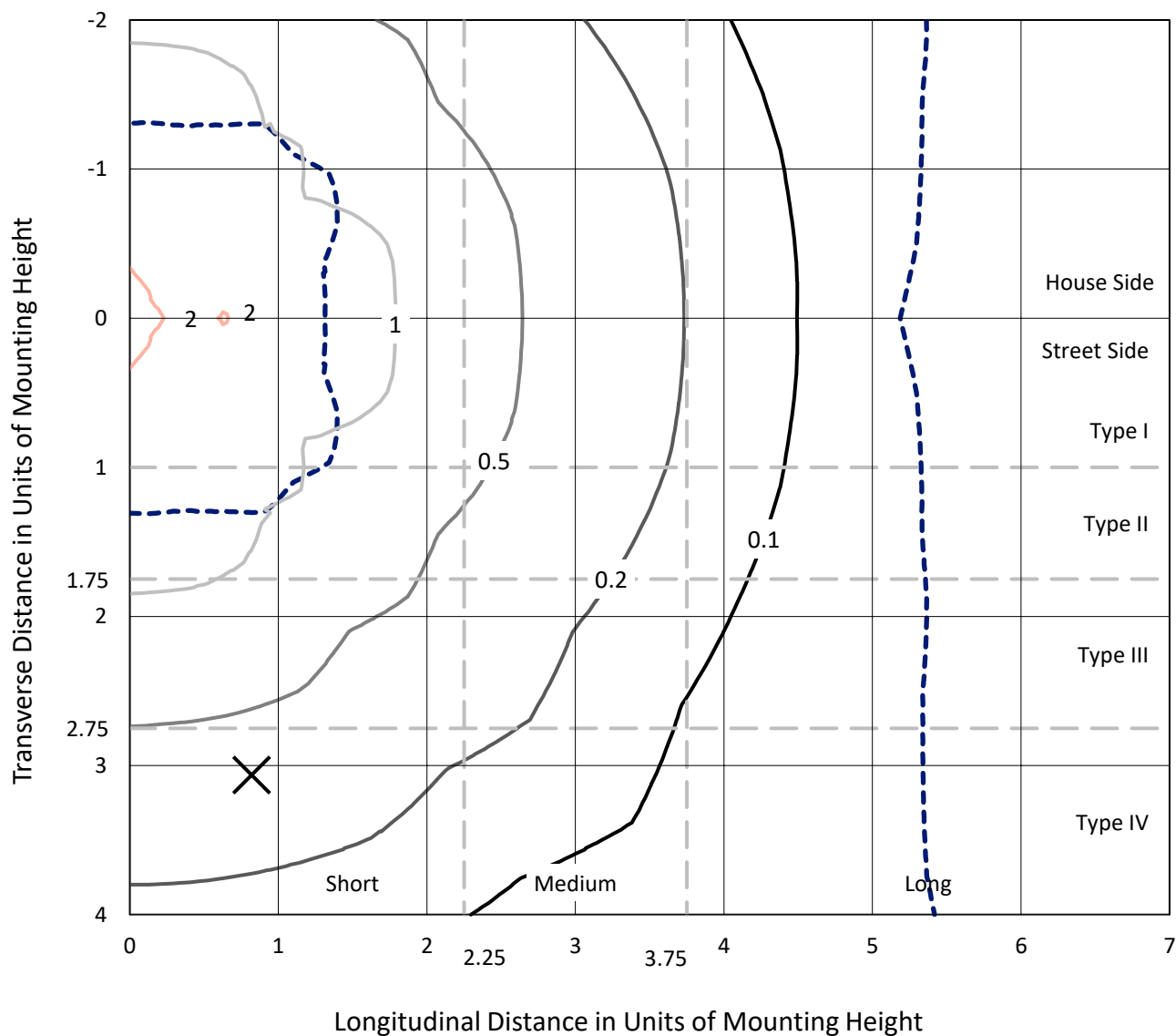
REPORT NUMBER: P560462

CATALOG NUMBER: SDL-PA1-40-830-U-5WQ-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

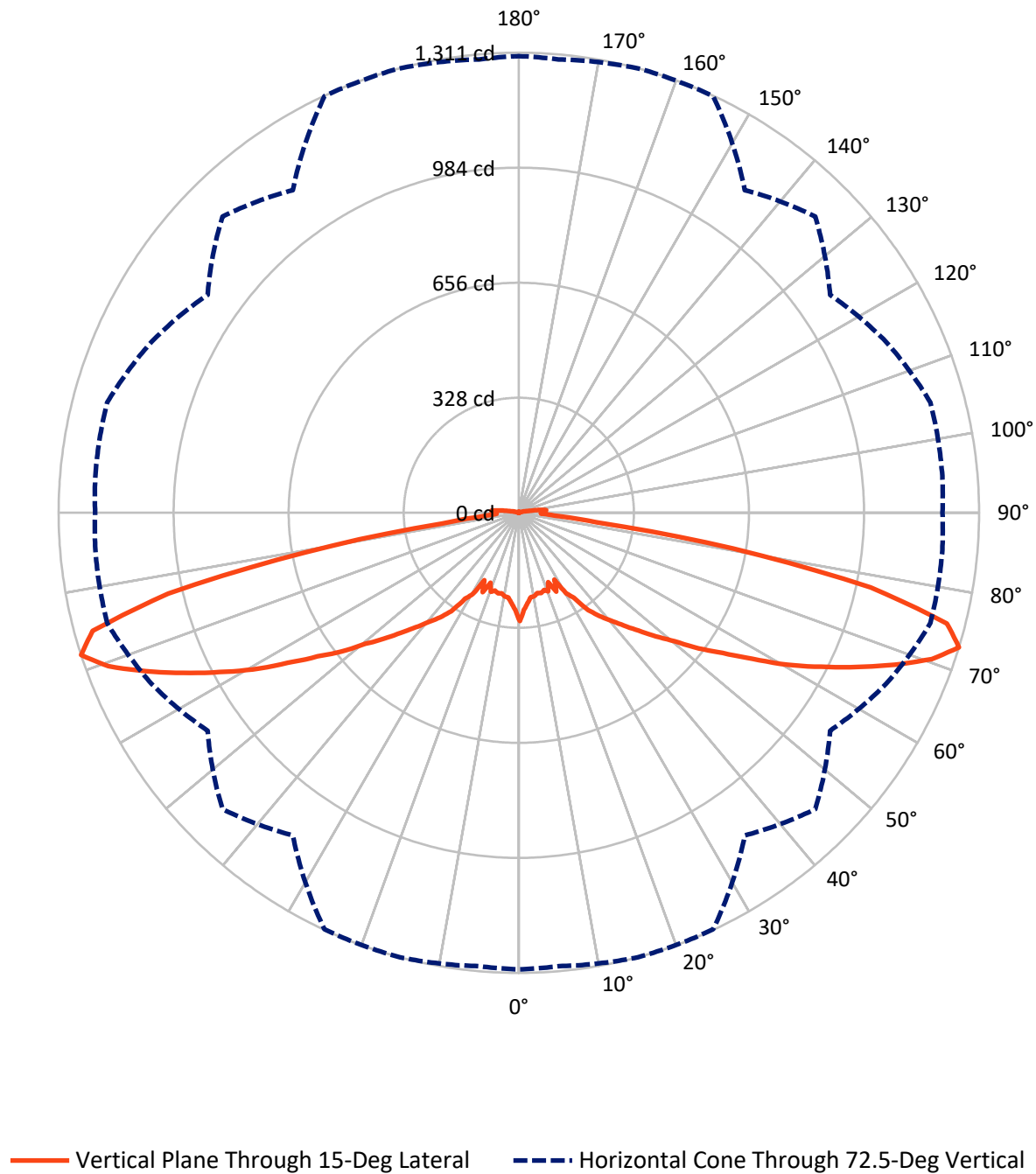


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
Type V - Short - N/A

REPORT NUMBER: P560462

CATALOG NUMBER: SDL-PA1-40-830-U-5WQ-A

Luminous Intensity Polar Plot



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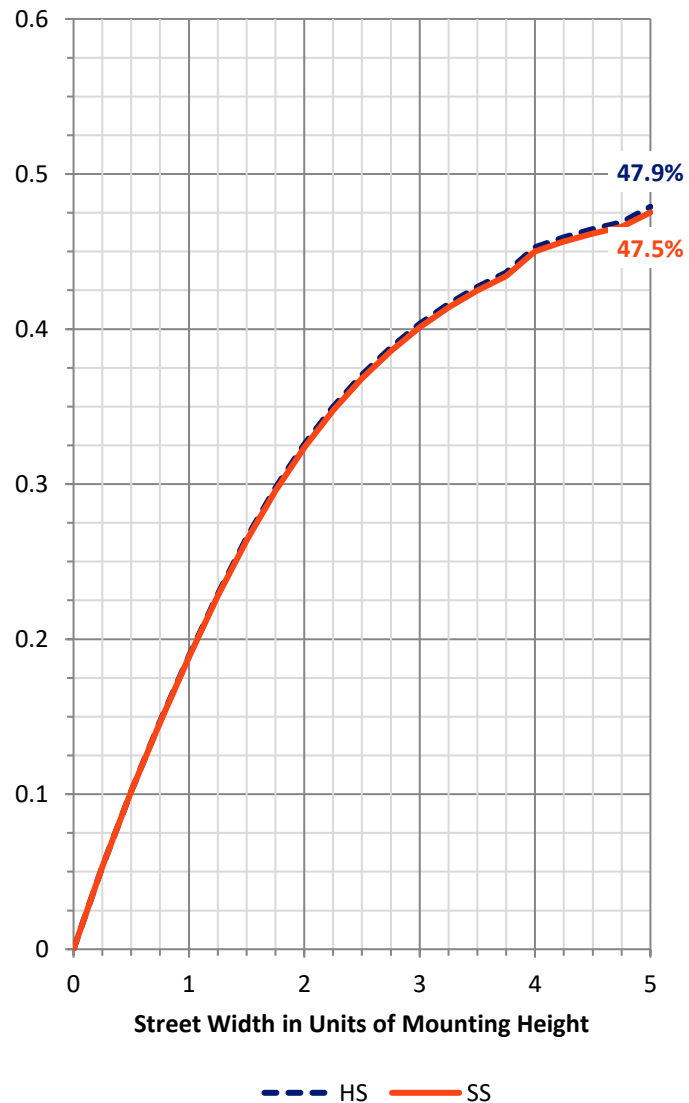
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1842.0	57.7	1899.6
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	1842.0	57.7	1899.6
	% Fixture	48.5	1.5	50.0
Total	Lumens	3683.9	115.4	3799.3
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.4	0.6
10°-20°	56.0	1.5
20°-30°	98.4	2.6
30°-40°	190.0	5.0
40°-50°	330.2	8.7
50°-60°	581.9	15.3
60°-70°	983.1	25.9
70°-80°	1155.7	30.4
80°-90°	264.2	7.0
90°-100°	87.2	2.3
100°-110°	20.6	0.5
110°-120°	3.3	0.1
120°-130°	2.6	0.1
130°-140°	1.1	0.0
140°-150°	0.2	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3683.9	97.0
0°-180°	3799.3	100.0

Coefficient of Utilization



REPORT NUMBER: P560462

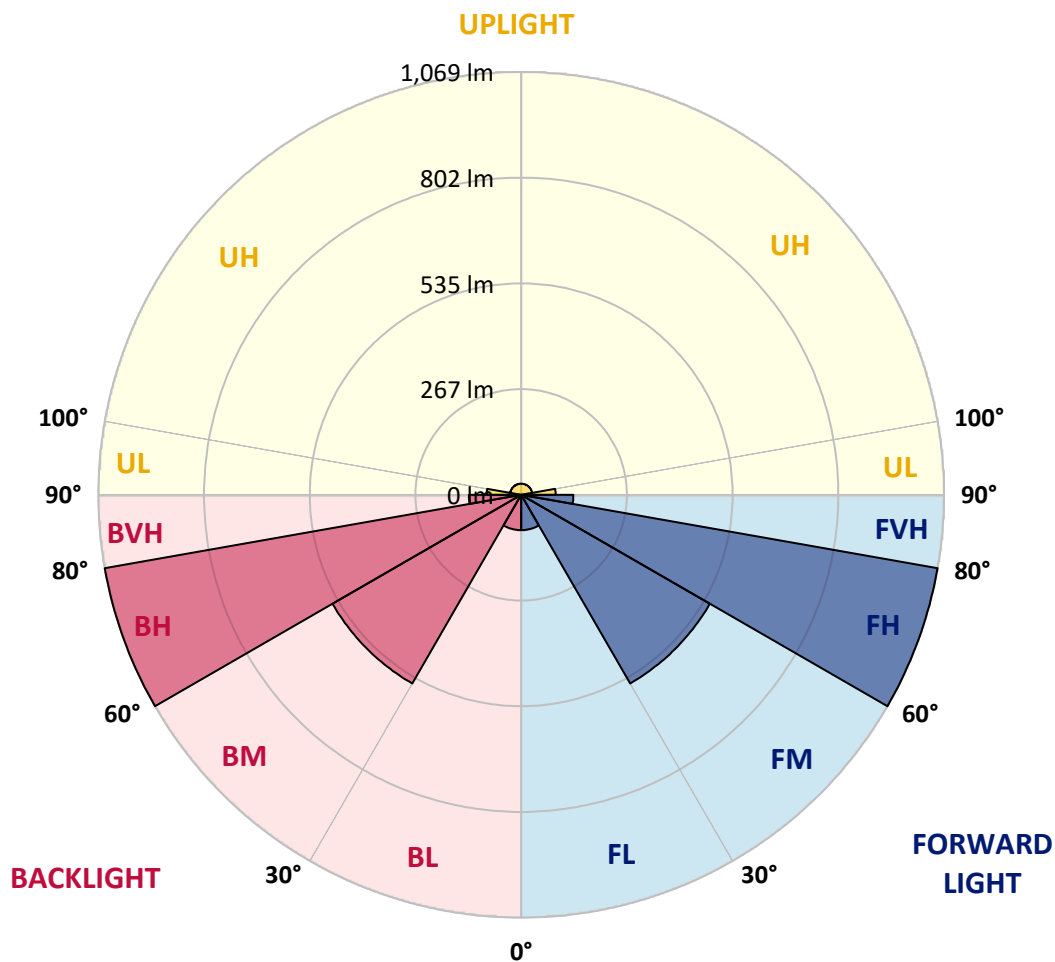
CATALOG NUMBER: SDL-PA1-40-830-U-5WQ-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	89.4	2.4			
FM	(30°-60°)	551.1	14.5			
FH	(60°-80°)	1069.4	28.1			G1/1800
FVH	(80°-90°)	132.1	3.5			G2/225
BL	(0°-30°)	89.4	2.4	B0/110		
BM	(30°-60°)	551.1	14.5	B1/1000		
BH	(60°-80°)	1069.4	28.1	B3/2500		G1/1800
BVH	(80°-90°)	132.1	3.5			G2/225
UL	(90°-100°)	87.2	2.3		U3/500	
UH	(100°-180°)	28.2	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°	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9
2.5°	273.2	278.9	277.4	287.5	296.0	298.9	304.6	304.6	306.0	306.0	306.0
5°	258.9	258.9	258.9	258.9	258.9	257.4	263.1	288.9	297.5	298.9	297.5
7.5°	224.5	231.7	243.1	247.4	251.7	250.3	247.4	231.7	256.0	258.9	260.3
10°	241.7	241.7	241.7	238.8	227.4	217.4	205.9	194.5	198.8	224.5	224.5
12.5°	214.5	213.1	234.5	237.4	215.9	188.8	180.2	184.5	171.6	195.9	195.9
15°	241.7	241.7	237.4	223.1	178.8	188.8	160.2	161.6	183.1	211.7	211.7
17.5°	205.9	207.4	231.7	217.4	194.5	151.6	177.3	160.2	164.5	180.2	181.6
20°	246.0	246.0	238.8	185.9	183.1	188.8	163.0	158.7	183.1	211.7	213.1
22.5°	211.7	211.7	214.5	215.9	188.8	185.9	163.0	184.5	173.0	173.0	193.1
25°	256.0	256.0	248.8	197.4	207.4	180.2	188.8	173.0	211.7	233.1	233.1
27.5°	224.5	224.5	215.9	224.5	200.2	214.5	188.8	204.5	227.4	274.6	277.4
30°	273.2	273.2	266.0	223.1	221.7	208.8	210.2	237.4	293.2	323.2	323.2
32.5°	331.8	333.2	288.9	256.0	224.5	240.3	228.8	270.3	306.0	337.5	338.9
35°	356.1	356.1	340.4	297.5	244.6	253.1	248.8	286.0	328.9	354.7	354.7
37.5°	384.7	384.7	373.3	318.9	268.9	280.3	260.3	307.5	354.7	377.6	374.7
40°	414.7	410.4	403.3	341.8	294.6	297.5	280.3	330.4	379.0	401.9	401.9
42.5°	451.9	451.9	439.0	380.4	320.3	324.6	298.9	359.0	414.7	441.9	443.3
45°	493.4	492.0	479.1	423.3	351.8	359.0	330.4	397.6	459.1	484.8	487.7
47.5°	542.0	542.0	526.3	469.1	391.9	399.0	366.1	436.2	513.4	536.3	539.2
50°	593.5	589.2	574.9	522.0	444.8	441.9	406.2	479.1	570.6	586.4	592.1
52.5°	653.6	647.8	642.1	582.1	503.4	504.8	457.6	524.9	636.4	645.0	647.8
55°	713.6	709.3	705.1	656.4	567.8	576.3	526.3	587.8	702.2	707.9	713.6
57.5°	780.8	785.1	785.1	739.4	640.7	662.1	600.7	666.4	780.8	776.6	775.1
60°	878.1	869.5	879.5	838.1	740.8	758.0	692.2	762.3	856.6	839.5	835.2
62.5°	956.8	955.3	966.8	948.2	833.8	876.7	782.3	853.8	928.1	913.8	915.3
65°	1046.8	1045.4	1059.7	1051.1	931.0	985.4	881.0	956.8	1014.0	998.2	995.4
67.5°	1134.1	1138.4	1155.5	1167.0	1009.7	1079.7	975.3	1054.0	1098.3	1072.6	1075.5
70°	1241.3	1234.2	1248.5	1249.9	1074.0	1148.4	1048.3	1115.5	1169.8	1152.7	1149.8
72.5°	1301.4	1297.1	1311.4	1310.0	1122.6	1194.2	1082.6	1154.1	1214.2	1211.3	1207.0
75°	1235.6	1241.3	1259.9	1285.7	1125.5	1219.9	1078.3	1128.4	1175.6	1159.8	1155.5
77.5°	969.6	981.1	1025.4	1108.3	1049.7	1209.9	1002.5	989.6	999.7	981.1	969.6
80°	514.8	524.9	619.2	760.8	842.3	1051.1	842.3	719.4	613.5	537.7	473.4
82.5°	164.5	177.3	221.7	350.4	532.0	732.2	487.7	276.0	190.2	163.0	153.0
85°	90.1	93.0	100.1	135.9	187.3	296.0	198.8	117.3	103.0	98.7	97.2
87.5°	75.8	77.2	62.9	77.2	90.1	93.0	90.1	64.4	65.8	72.9	71.5
90°	80.1	80.1	64.4	75.8	90.1	91.5	90.1	67.2	65.8	77.2	75.8
92.5°	87.2	87.2	72.9	81.5	100.1	97.2	97.2	70.1	72.9	82.9	82.9
95°	93.0	91.5	78.7	82.9	105.8	108.7	105.8	74.4	78.7	90.1	90.1
97.5°	68.6	65.8	57.2	74.4	100.1	114.4	105.8	70.1	61.5	68.6	67.2
100°	32.9	31.5	30.0	55.8	78.7	87.2	75.8	50.1	27.2	17.2	17.2
102.5°	7.2	7.2	20.0	38.6	45.8	45.8	41.5	34.3	17.2	5.7	5.7
105°	5.7	7.2	14.3	21.5	22.9	12.9	20.0	21.5	10.0	5.7	5.7
107.5°	5.7	7.2	5.7	7.2	7.2	5.7	7.2	8.6	4.3	5.7	5.7
110°	7.2	7.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.7	7.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.2	7.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.7	7.2
115°	5.7	5.7	2.9	2.9	2.9	2.9	1.4	2.9	2.9	5.7	5.7
117.5°	5.7	5.7	2.9	1.4	1.4	1.4	1.4	2.9	2.9	5.7	7.2
120°	7.2	5.7	2.9	1.4	1.4	1.4	1.4	1.4	4.3	7.2	7.2
122.5°	7.2	7.2	2.9	1.4	1.4	1.4	1.4	1.4	4.3	7.2	8.6
125°	7.2	5.7	2.9	1.4	1.4	1.4	1.4	1.4	2.9	7.2	7.2
127.5°	5.7	5.7	2.9	1.4	1.4	1.4	1.4	1.4	2.9	5.7	7.2
130°	5.7	5.7	2.9	1.4	1.4	1.4	1.4	1.4	2.9	5.7	5.7
132.5°	4.3	4.3	2.9	1.4	1.4	0.0	1.4	1.4	2.9	4.3	4.3
135°	2.9	2.9	1.4	0.0	1.4	0.0	1.4	0.0	1.4	2.9	4.3
137.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
140°	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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	1.4	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	1.4	0.0	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4
150°	1.4	1.4	2.9	1.4	1.4	0.0	1.4	1.4	0.0	0.0	1.4
152.5°	2.9	2.9	2.9	1.4	0.0	0.0	1.4	1.4	1.4	1.4	1.4
155°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	2.9	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
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)