

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: P560044

Luminaire Tested: **SDL-PA1-20-750-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560044
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-PA1-20-750-U-5WQ-A
Description: Springdale
(1) 70 CRI, 5000K, 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: 2656.9 lumens
Efficiency: N/A
Efficacy: 126.5 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 - U3 - 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

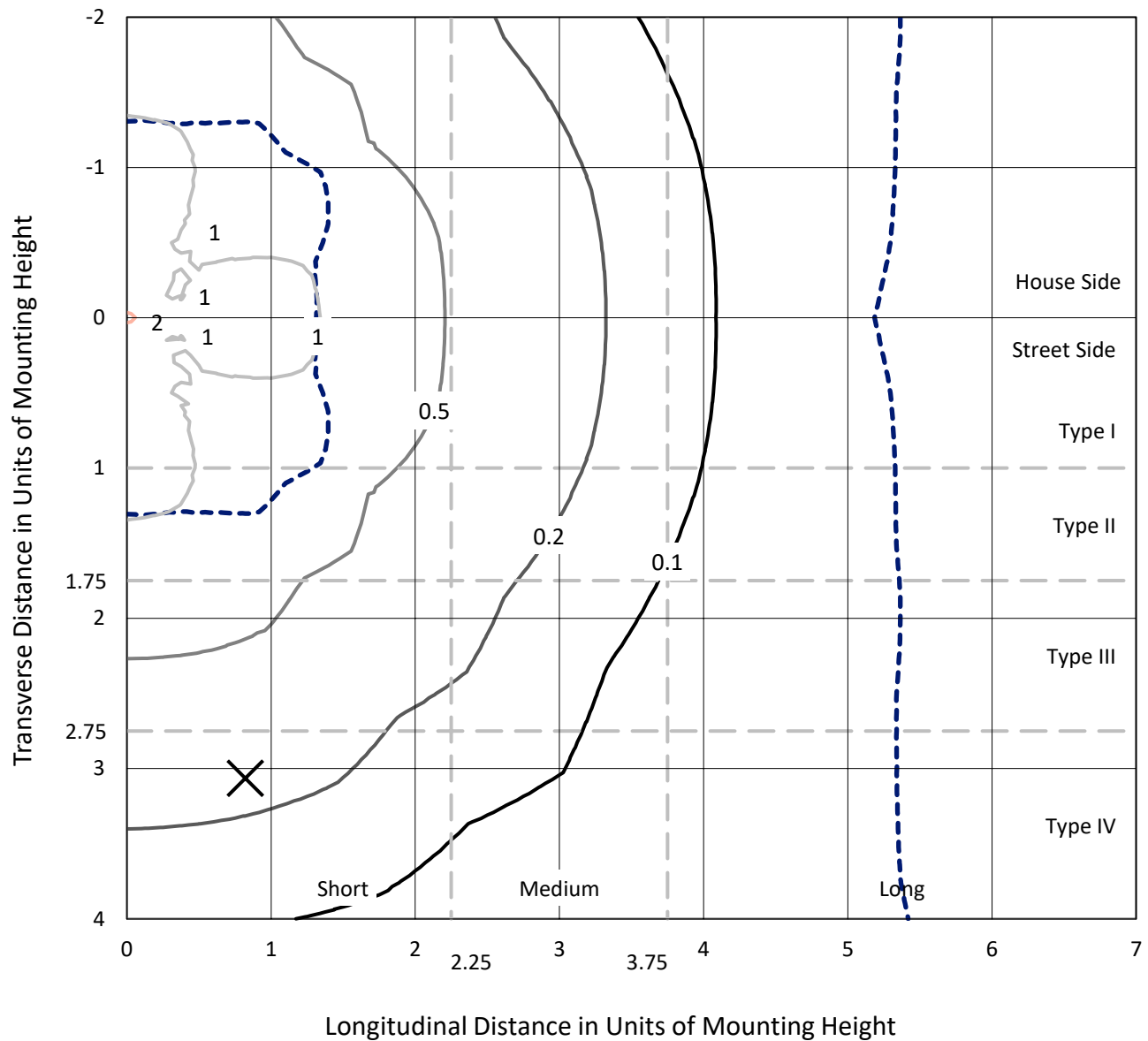


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

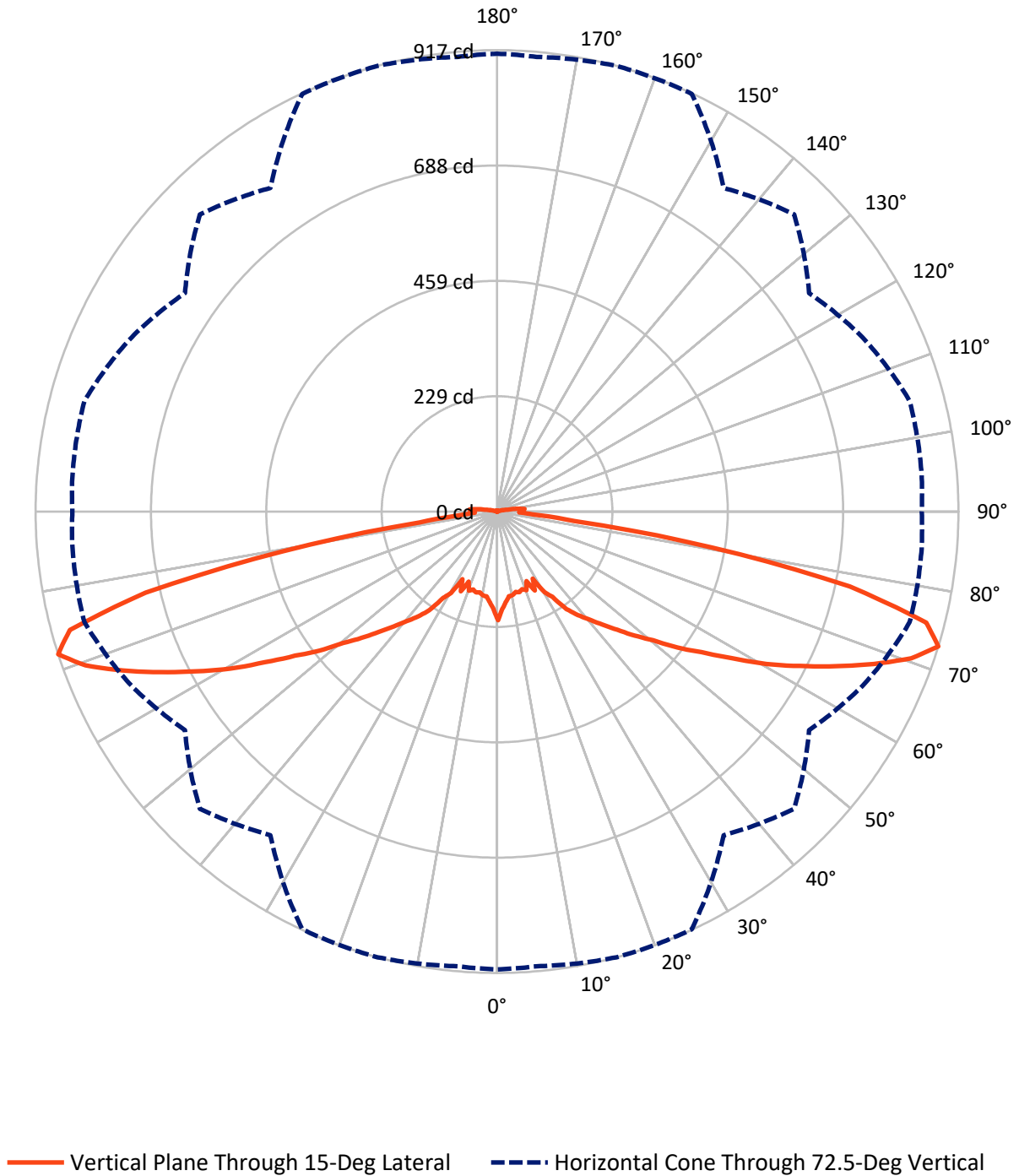


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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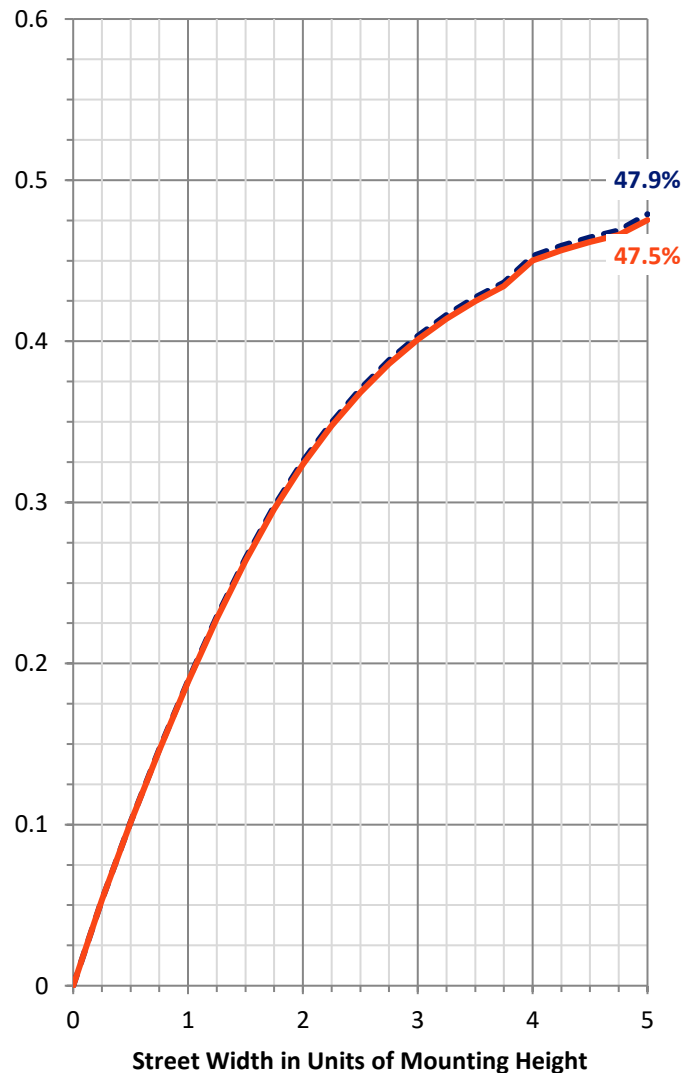
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1288.1	40.3	1328.5
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	1288.1	40.3	1328.5
	% Fixture	48.5	1.5	50.0
Total	Lumens	2576.3	80.7	2656.9
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.6
10°-20°	39.2	1.5
20°-30°	68.8	2.6
30°-40°	132.9	5.0
40°-50°	230.9	8.7
50°-60°	407.0	15.3
60°-70°	687.5	25.9
70°-80°	808.2	30.4
80°-90°	184.7	7.0
90°-100°	61.0	2.3
100°-110°	14.4	0.5
110°-120°	2.3	0.1
120°-130°	1.8	0.1
130°-140°	0.8	0.0
140°-150°	0.1	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2576.3	97.0
0°-180°	2656.9	100.0



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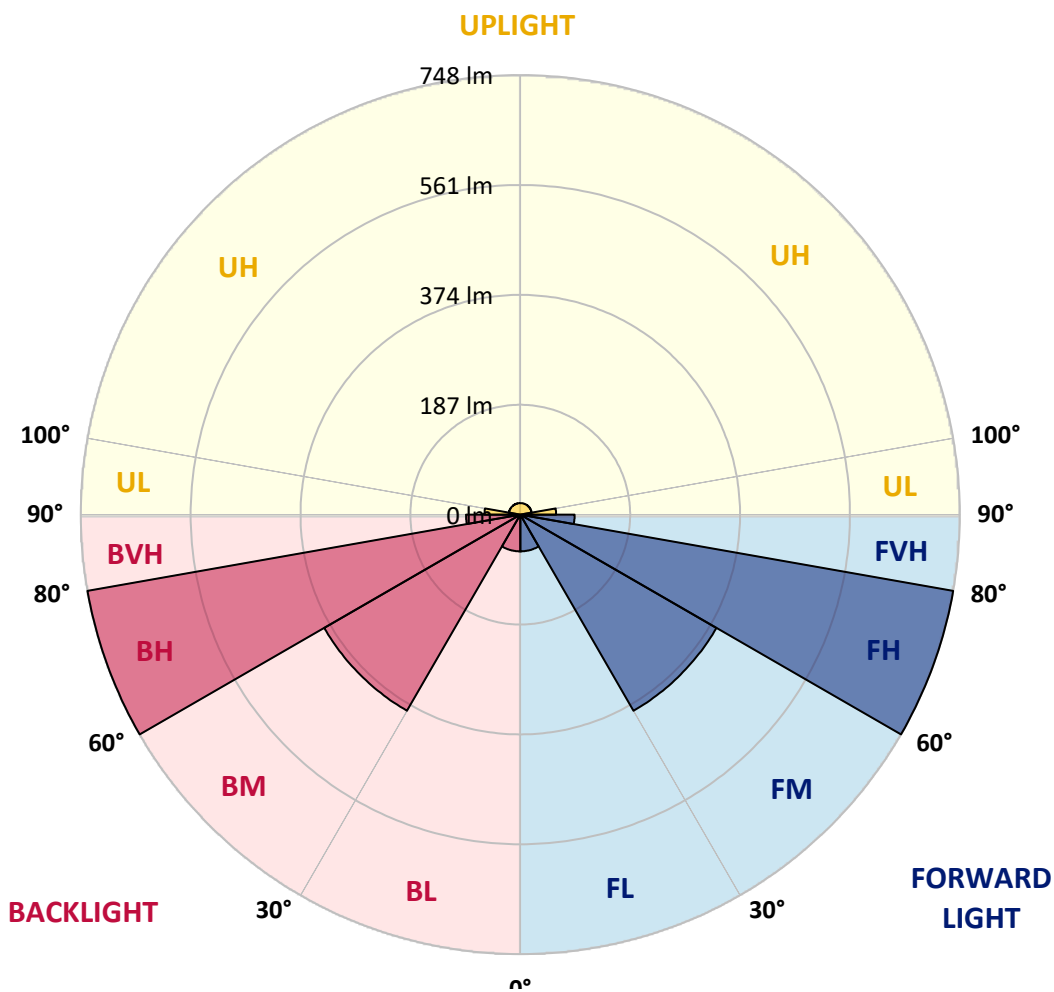
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.5	2.4			
FM	(30°-60°)	385.4	14.5			
FH	(60°-80°)	747.9	28.1			G1/1800
FVH	(80°-90°)	92.4	3.5			G1/100
BL	(0°-30°)	62.5	2.4	B0/110		
BM	(30°-60°)	385.4	14.5	B1/1000		
BH	(60°-80°)	747.9	28.1	B2/1000		G1/1800
BVH	(80°-90°)	92.4	3.5			G1/100
UL	(90°-100°)	61.0	2.3		U3/500	
UH	(100°-180°)	19.7	0.7		U2/50	

BUG Rating: B2-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0
2.5°	191.0	195.0	194.0	201.0	207.0	209.0	213.0	213.0	214.0	214.0	214.0
5°	181.0	181.0	181.0	181.0	181.0	180.0	184.0	202.0	208.0	209.0	208.0
7.5°	157.0	162.0	170.0	173.0	176.0	175.0	173.0	162.0	179.0	181.0	182.0
10°	169.0	169.0	169.0	167.0	159.0	152.0	144.0	136.0	139.0	157.0	157.0
12.5°	150.0	149.0	164.0	166.0	151.0	132.0	126.0	129.0	120.0	137.0	137.0
15°	169.0	169.0	166.0	156.0	125.0	132.0	112.0	113.0	128.0	148.0	148.0
17.5°	144.0	145.0	162.0	152.0	136.0	106.0	124.0	112.0	115.0	126.0	127.0
20°	172.0	172.0	167.0	130.0	128.0	132.0	114.0	111.0	128.0	148.0	149.0
22.5°	148.0	148.0	150.0	151.0	132.0	130.0	114.0	129.0	121.0	121.0	135.0
25°	179.0	179.0	174.0	138.0	145.0	126.0	132.0	121.0	148.0	163.0	163.0
27.5°	157.0	157.0	151.0	157.0	140.0	150.0	132.0	143.0	159.0	192.0	194.0
30°	191.0	191.0	186.0	156.0	155.0	146.0	147.0	166.0	205.0	226.0	226.0
32.5°	232.0	233.0	202.0	179.0	157.0	168.0	160.0	189.0	214.0	236.0	237.0
35°	249.0	249.0	238.0	208.0	171.0	177.0	174.0	200.0	230.0	248.0	248.0
37.5°	269.0	269.0	261.0	223.0	188.0	196.0	182.0	215.0	248.0	264.0	262.0
40°	290.0	287.0	282.0	239.0	206.0	208.0	196.0	231.0	265.0	281.0	281.0
42.5°	316.0	316.0	307.0	266.0	224.0	227.0	209.0	251.0	290.0	309.0	310.0
45°	345.1	344.1	335.0	296.0	246.0	251.0	231.0	278.0	321.0	339.1	341.1
47.5°	379.1	379.1	368.1	328.0	274.0	279.0	256.0	305.0	359.1	375.1	377.1
50°	415.1	412.1	402.1	365.1	311.0	309.0	284.0	335.0	399.1	410.1	414.1
52.5°	457.1	453.1	449.1	407.1	352.1	353.1	320.0	367.1	445.1	451.1	453.1
55°	499.1	496.1	493.1	459.1	397.1	403.1	368.1	411.1	491.1	495.1	499.1
57.5°	546.1	549.1	549.1	517.1	448.1	463.1	420.1	466.1	546.1	543.1	542.1
60°	614.1	608.1	615.1	586.1	518.1	530.1	484.1	533.1	599.1	587.1	584.1
62.5°	669.1	668.1	676.1	663.1	583.1	613.1	547.1	597.1	649.1	639.1	640.1
65°	732.1	731.1	741.1	735.1	651.1	689.1	616.1	669.1	709.1	698.1	696.1
67.5°	793.1	796.1	808.1	816.1	706.1	755.1	682.1	737.1	768.1	750.1	752.1
70°	868.1	863.1	873.1	874.1	751.1	803.1	733.1	780.1	818.1	806.1	804.1
72.5°	910.1	907.1	917.1	916.1	785.1	835.1	757.1	807.1	849.1	847.1	844.1
75°	864.1	868.1	881.1	899.1	787.1	853.1	754.1	789.1	822.1	811.1	808.1
77.5°	678.1	686.1	717.1	775.1	734.1	846.1	701.1	692.1	699.1	686.1	678.1
80°	360.1	367.1	433.1	532.1	589.1	735.1	589.1	503.1	429.1	376.1	331.0
82.5°	115.0	124.0	155.0	245.0	372.1	512.1	341.1	193.0	133.0	114.0	107.0
85°	63.0	65.0	70.0	95.0	131.0	207.0	139.0	82.0	72.0	69.0	68.0
87.5°	53.0	54.0	44.0	54.0	63.0	65.0	63.0	45.0	46.0	51.0	50.0
90°	56.0	56.0	45.0	53.0	63.0	64.0	63.0	47.0	46.0	54.0	53.0
92.5°	61.0	61.0	51.0	57.0	70.0	68.0	68.0	49.0	51.0	58.0	58.0
95°	65.0	64.0	55.0	58.0	74.0	76.0	74.0	52.0	55.0	63.0	63.0
97.5°	48.0	46.0	40.0	52.0	70.0	80.0	74.0	49.0	43.0	48.0	47.0
100°	23.0	22.0	21.0	39.0	55.0	61.0	53.0	35.0	19.0	12.0	12.0
102.5°	5.0	5.0	14.0	27.0	32.0	32.0	29.0	24.0	12.0	4.0	4.0
105°	4.0	5.0	10.0	15.0	16.0	9.0	14.0	15.0	7.0	4.0	4.0
107.5°	4.0	5.0	4.0	5.0	5.0	4.0	5.0	6.0	3.0	4.0	4.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.0	5.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	5.0
115°	4.0	4.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	4.0	4.0
117.5°	4.0	4.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	4.0	5.0
120°	5.0	4.0	2.0	1.0	1.0	1.0	1.0	1.0	3.0	5.0	5.0
122.5°	5.0	5.0	2.0	1.0	1.0	1.0	1.0	1.0	3.0	5.0	6.0
125°	5.0	4.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	5.0	5.0
127.5°	4.0	4.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0	5.0
130°	4.0	4.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0	4.0
132.5°	3.0	3.0	2.0	1.0	1.0	0.0	1.0	1.0	2.0	3.0	3.0
135°	2.0	2.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	2.0	3.0
137.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
140°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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	1.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	1.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0
150°	1.0	1.0	2.0	1.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0
152.5°	2.0	2.0	2.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
155°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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



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--- HS --- SS



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110° | 5.0 5.0 2.0 2.0 2.0 2.0 2.0 2.0 4.0 5.0

(END OF REPORT)