

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: P560220

Luminaire Tested: **SDL-PA1-30-750-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560220
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-PA1-30-750-U-5WQ-A
Description: Springdale
(1) 70 CRI, 5000K, 375mA 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: 3665.9 lumens
Efficiency: N/A
Efficacy: 121.8 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): 30.1
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

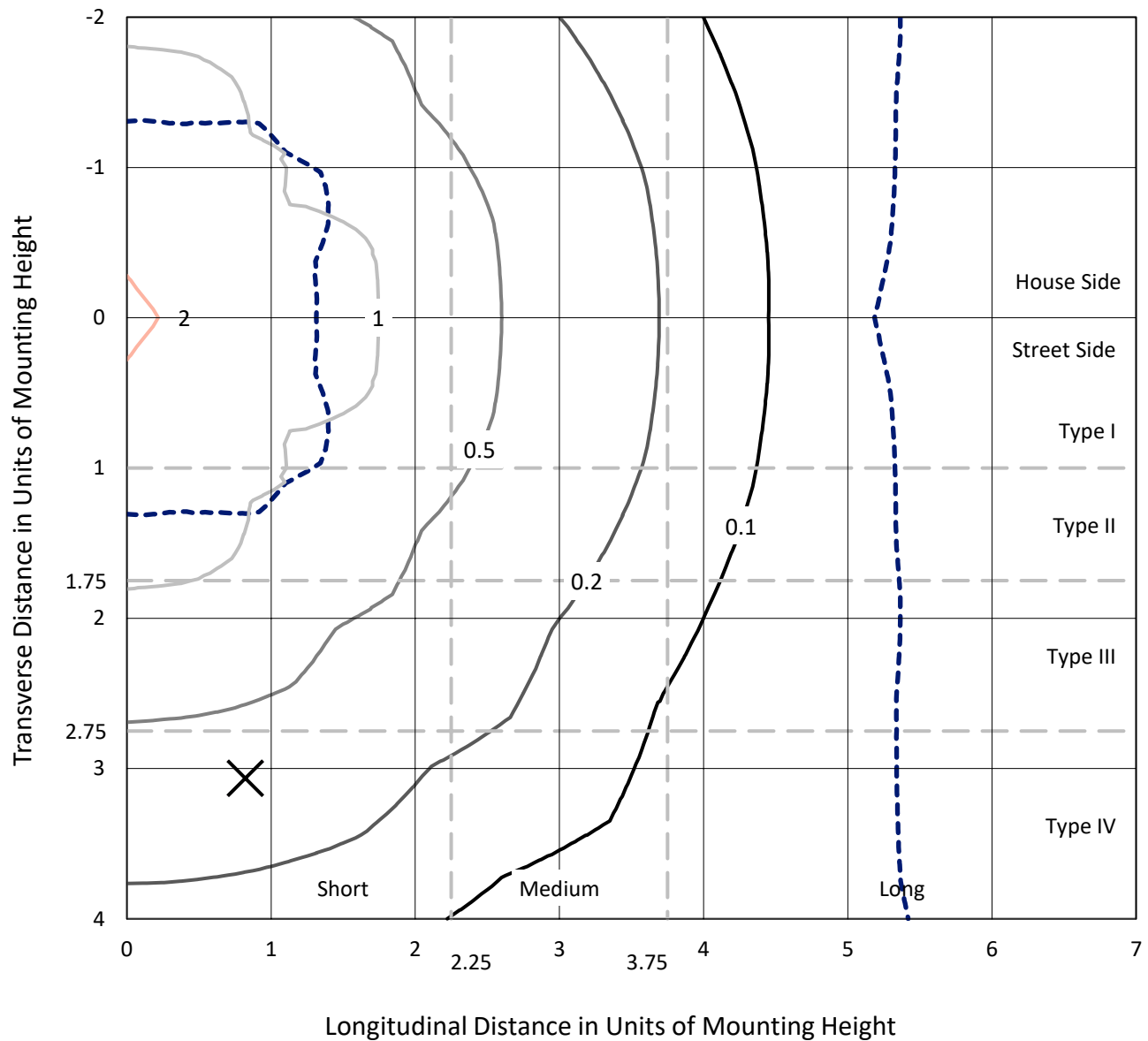


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

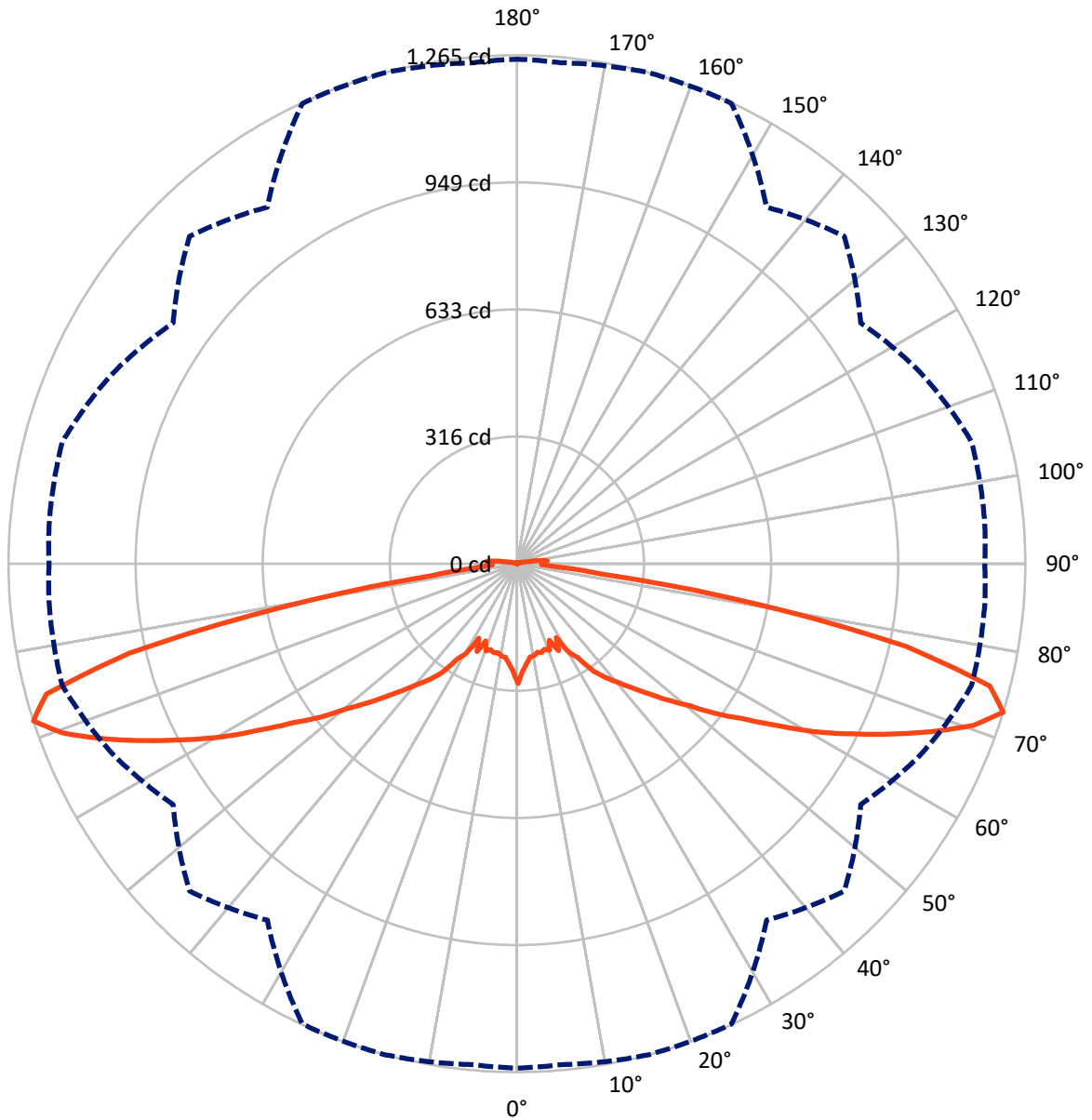


Based on 10 foot mounting height. Maximum calculated value = 3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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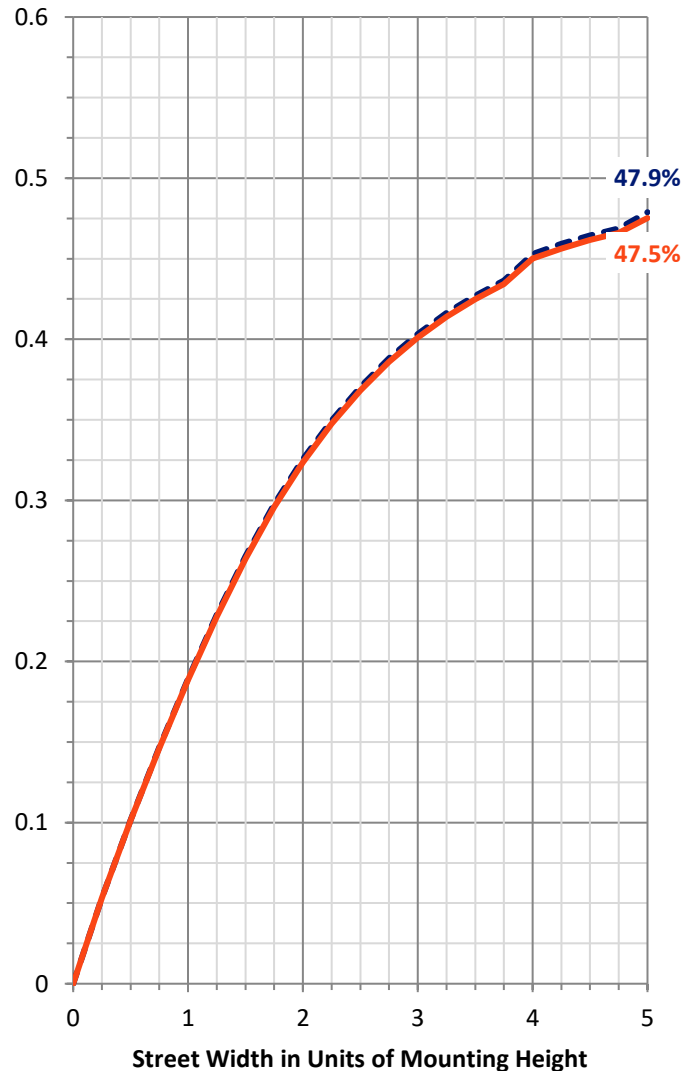
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1777.3	55.7	1833.0
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	1777.3	55.7	1833.0
	% Fixture	48.5	1.5	50.0
Total	Lumens	3554.6	111.4	3665.9
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.5	0.6
10°-20°	54.1	1.5
20°-30°	95.0	2.6
30°-40°	183.3	5.0
40°-50°	318.6	8.7
50°-60°	561.5	15.3
60°-70°	948.6	25.9
70°-80°	1115.1	30.4
80°-90°	254.9	7.0
90°-100°	84.1	2.3
100°-110°	19.8	0.5
110°-120°	3.2	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°	3554.6	97.0
0°-180°	3665.9	100.0



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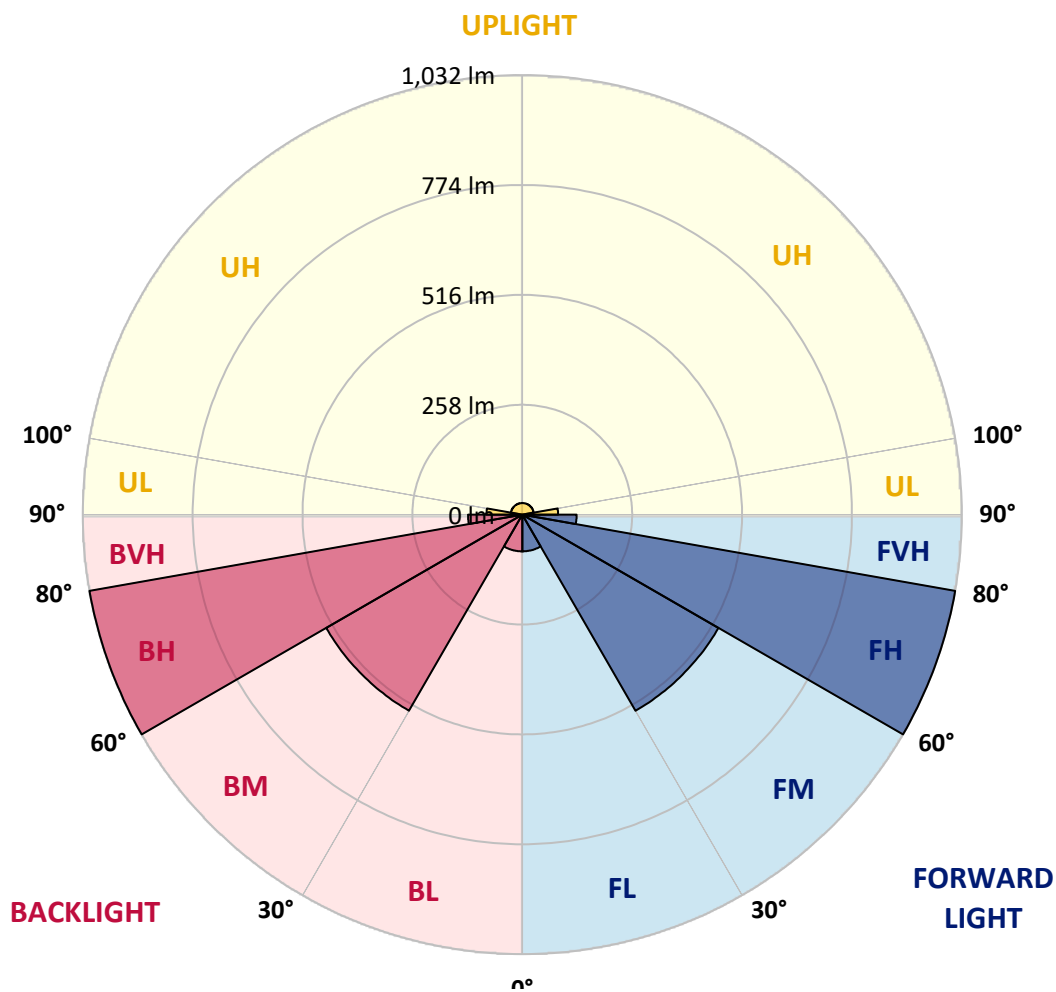
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	86.3	2.4			
FM	(30°-60°)	531.7	14.5			
FH	(60°-80°)	1031.9	28.1			G1/1800
FVH	(80°-90°)	127.4	3.5			G2/225
BL	(0°-30°)	86.3	2.4	B0/110		
BM	(30°-60°)	531.7	14.5	B1/1000		
BH	(60°-80°)	1031.9	28.1	B3/2500		G1/1800
BVH	(80°-90°)	127.4	3.5			G2/225
UL	(90°-100°)	84.1	2.3		U3/500	
UH	(100°-180°)	27.2	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°	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1
2.5°	263.6	269.1	267.7	277.4	285.6	288.4	293.9	293.9	295.3	295.3	295.3
5°	249.8	249.8	249.8	249.8	249.8	248.4	253.9	278.7	287.0	288.4	287.0
7.5°	216.6	223.5	234.6	238.7	242.9	241.5	238.7	223.5	247.0	249.8	251.1
10°	233.2	233.2	233.2	230.4	219.4	209.7	198.7	187.7	191.8	216.6	216.6
12.5°	207.0	205.6	226.3	229.1	208.4	182.1	173.9	178.0	165.6	189.0	189.0
15°	233.2	233.2	229.1	215.3	172.5	182.1	154.5	155.9	176.6	204.2	204.2
17.5°	198.7	200.1	223.5	209.7	187.7	146.3	171.1	154.5	158.7	173.9	175.2
20°	237.3	237.3	230.4	179.4	176.6	182.1	157.3	153.2	176.6	204.2	205.6
22.5°	204.2	204.2	207.0	208.4	182.1	179.4	157.3	178.0	167.0	167.0	186.3
25°	247.0	247.0	240.1	190.4	200.1	173.9	182.1	167.0	204.2	224.9	224.9
27.5°	216.6	216.6	208.4	216.6	193.2	207.0	182.1	197.3	219.4	264.9	267.7
30°	263.6	263.6	256.7	215.3	213.9	201.5	202.8	229.1	282.9	311.9	311.9
32.5°	320.1	321.5	278.7	247.0	216.6	231.8	220.8	260.8	295.3	325.7	327.0
35°	343.6	343.6	328.4	287.0	236.0	244.2	240.1	276.0	317.4	342.2	342.2
37.5°	371.2	371.2	360.2	307.7	259.4	270.5	251.1	296.7	342.2	364.3	361.5
40°	400.2	396.0	389.1	329.8	284.3	287.0	270.5	318.8	365.7	387.8	387.8
42.5°	436.0	436.0	423.6	367.1	309.1	313.2	288.4	346.4	400.2	426.4	427.8
45°	476.1	474.7	462.3	408.5	339.5	346.4	318.8	383.6	442.9	467.8	470.5
47.5°	523.0	523.0	507.8	452.6	378.1	385.0	353.3	420.9	495.4	517.5	520.2
50°	572.7	568.5	554.7	503.7	429.1	426.4	391.9	462.3	550.6	565.8	571.3
52.5°	630.6	625.1	619.6	561.6	485.7	487.1	441.6	506.4	614.1	622.3	625.1
55°	688.6	684.4	680.3	633.4	547.8	556.1	507.8	567.1	677.5	683.1	688.6
57.5°	753.4	757.6	757.6	713.4	618.2	638.9	579.6	643.0	753.4	749.3	747.9
60°	847.3	839.0	848.6	808.6	714.8	731.3	667.9	735.5	826.6	810.0	805.9
62.5°	923.2	921.8	932.8	914.9	804.5	845.9	754.8	823.8	895.6	881.8	883.1
65°	1010.1	1008.7	1022.5	1014.2	898.3	950.8	850.0	923.2	978.4	963.2	960.4
67.5°	1094.3	1098.4	1115.0	1126.0	974.2	1041.8	941.1	1017.0	1059.8	1034.9	1037.7
70°	1197.8	1190.9	1204.7	1206.0	1036.3	1108.1	1011.5	1076.3	1128.8	1112.2	1109.4
72.5°	1255.7	1251.6	1265.4	1264.0	1083.2	1152.2	1044.6	1113.6	1171.5	1168.8	1164.6
75°	1192.2	1197.8	1215.7	1240.5	1086.0	1177.1	1040.4	1088.7	1134.3	1119.1	1115.0
77.5°	935.6	946.6	989.4	1069.4	1012.8	1167.4	967.3	954.9	964.6	946.6	935.6
80°	496.8	506.4	597.5	734.1	812.8	1014.2	812.8	694.1	592.0	518.8	456.7
82.5°	158.7	171.1	213.9	338.1	513.3	706.5	470.5	266.3	183.5	157.3	147.6
85°	86.9	89.7	96.6	131.1	180.8	285.6	191.8	113.2	99.4	95.2	93.8
87.5°	73.1	74.5	60.7	74.5	86.9	89.7	86.9	62.1	63.5	70.4	69.0
90°	77.3	77.3	62.1	73.1	86.9	88.3	86.9	64.9	63.5	74.5	73.1
92.5°	84.2	84.2	70.4	78.7	96.6	93.8	93.8	67.6	70.4	80.0	80.0
95°	89.7	88.3	75.9	80.0	102.1	104.9	102.1	71.8	75.9	86.9	86.9
97.5°	66.2	63.5	55.2	71.8	96.6	110.4	102.1	67.6	59.3	66.2	64.9
100°	31.7	30.4	29.0	53.8	75.9	84.2	73.1	48.3	26.2	16.6	16.6
102.5°	6.9	6.9	19.3	37.3	44.2	44.2	40.0	33.1	16.6	5.5	5.5
105°	5.5	6.9	13.8	20.7	22.1	12.4	19.3	20.7	9.7	5.5	5.5
107.5°	5.5	6.9	5.5	6.9	6.9	5.5	6.9	8.3	4.1	5.5	5.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.9	6.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	6.9
115°	5.5	5.5	2.8	2.8	2.8	2.8	1.4	2.8	2.8	5.5	5.5
117.5°	5.5	5.5	2.8	1.4	1.4	1.4	1.4	2.8	2.8	5.5	6.9
120°	6.9	5.5	2.8	1.4	1.4	1.4	1.4	1.4	4.1	6.9	6.9
122.5°	6.9	6.9	2.8	1.4	1.4	1.4	1.4	1.4	4.1	6.9	8.3
125°	6.9	5.5	2.8	1.4	1.4	1.4	1.4	1.4	2.8	6.9	6.9
127.5°	5.5	5.5	2.8	1.4	1.4	1.4	1.4	1.4	2.8	5.5	6.9
130°	5.5	5.5	2.8	1.4	1.4	1.4	1.4	1.4	2.8	5.5	5.5
132.5°	4.1	4.1	2.8	1.4	1.4	0.0	1.4	1.4	2.8	4.1	4.1
135°	2.8	2.8	1.4	0.0	1.4	0.0	1.4	0.0	1.4	2.8	4.1
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	2.8	1.4	1.4	0.0	1.4	1.4	0.0	0.0	1.4
152.5°	2.8	2.8	2.8	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	2.8	2.8
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

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--- HS --- SS



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110° | 6.9 6.9 2.8 2.8 2.8 2.8 2.8 2.8 2.8 5.5 6.9



(END OF REPORT)