

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: P559985

Luminaire Tested: **SDL-PA1-20-727-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-727-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1752 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B0 - 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



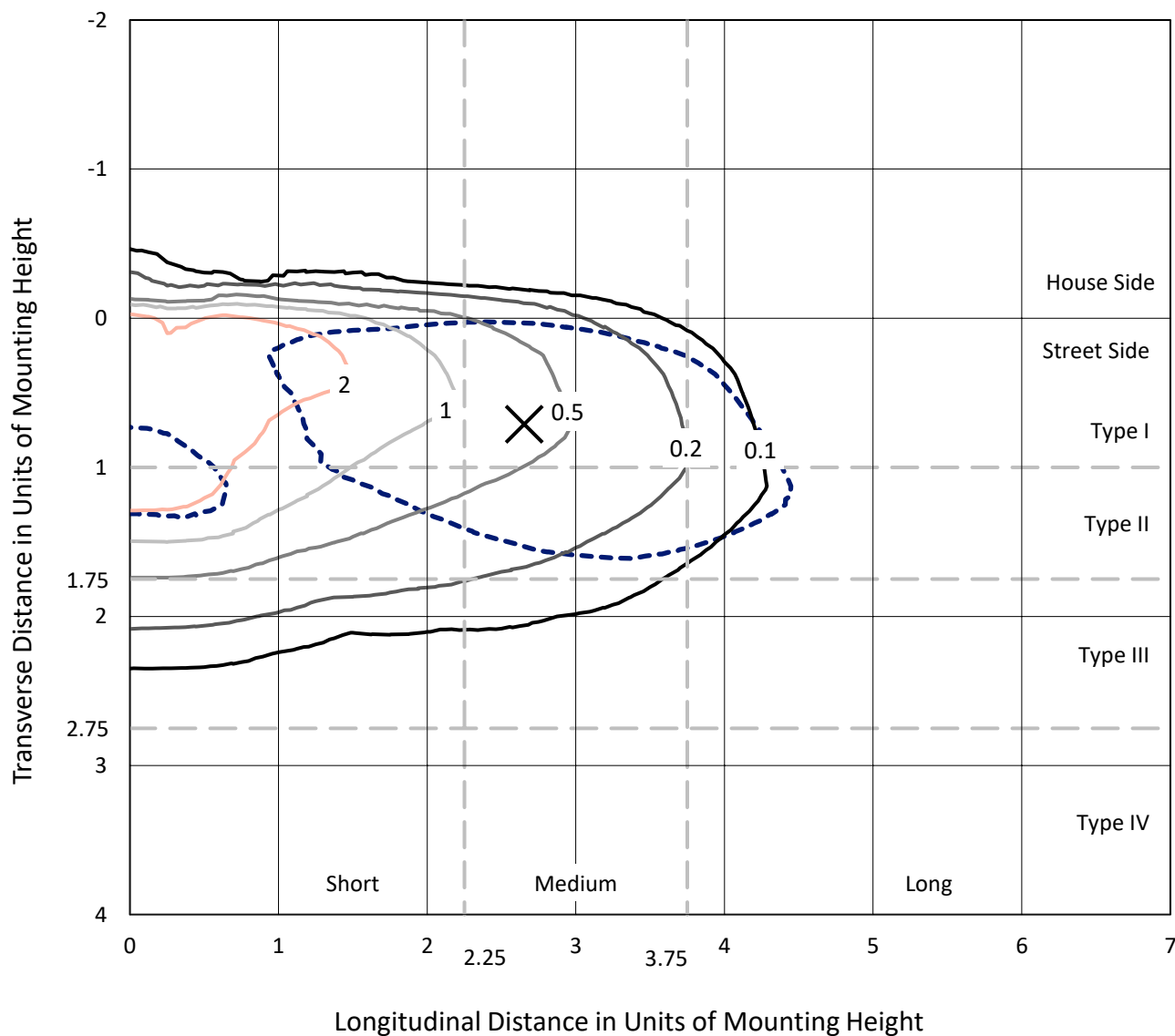
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

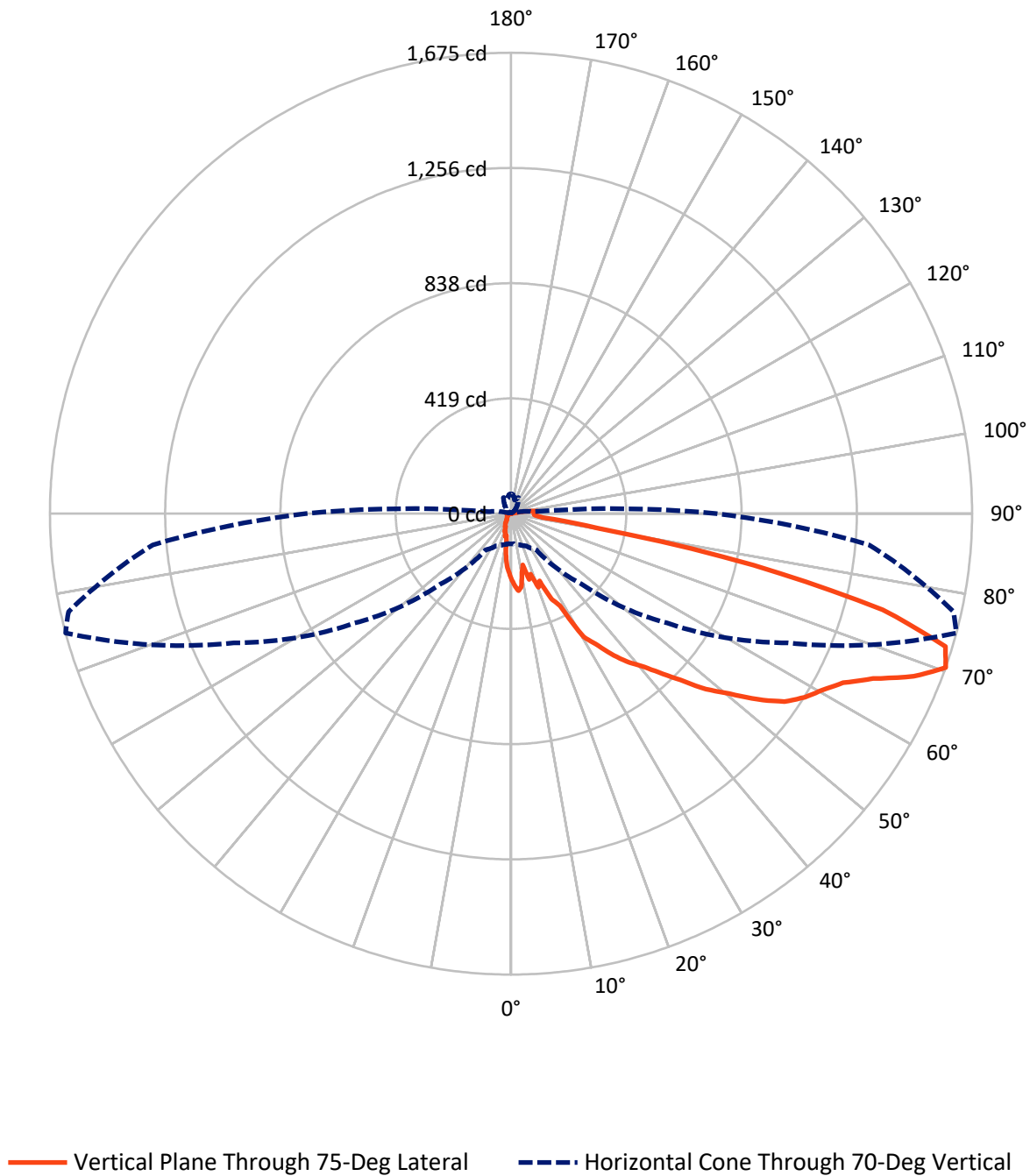


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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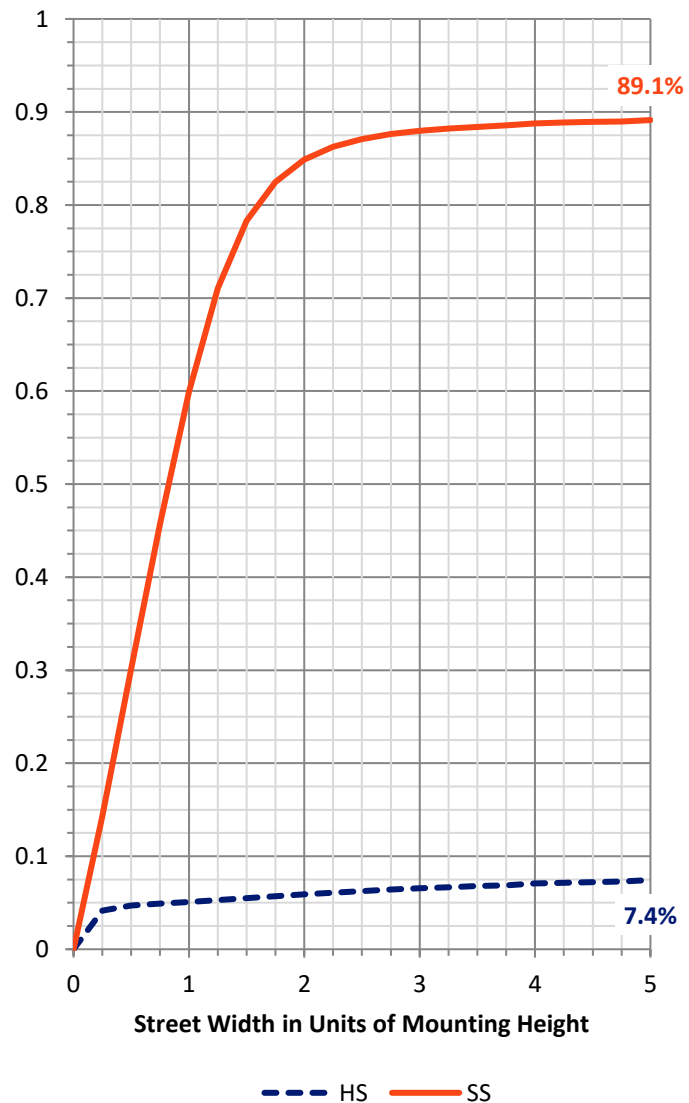
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	142.8	17.7	160.5
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	1569.3	22.3	1591.5
	% Fixture	89.6	1.3	90.8
Total	Lumens	1712.0	40.0	1752.0
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	1.1
10°-20°	46.2	2.6
20°-30°	86.7	4.9
30°-40°	194.6	11.1
40°-50°	320.2	18.3
50°-60°	392.5	22.4
60°-70°	367.7	21.0
70°-80°	239.4	13.7
80°-90°	45.7	2.6
90°-100°	26.2	1.5
100°-110°	5.9	0.3
110°-120°	3.0	0.2
120°-130°	2.5	0.1
130°-140°	1.2	0.1
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1712.0	97.7
0°-180°	1752.0	100.0

Coefficient of Utilization



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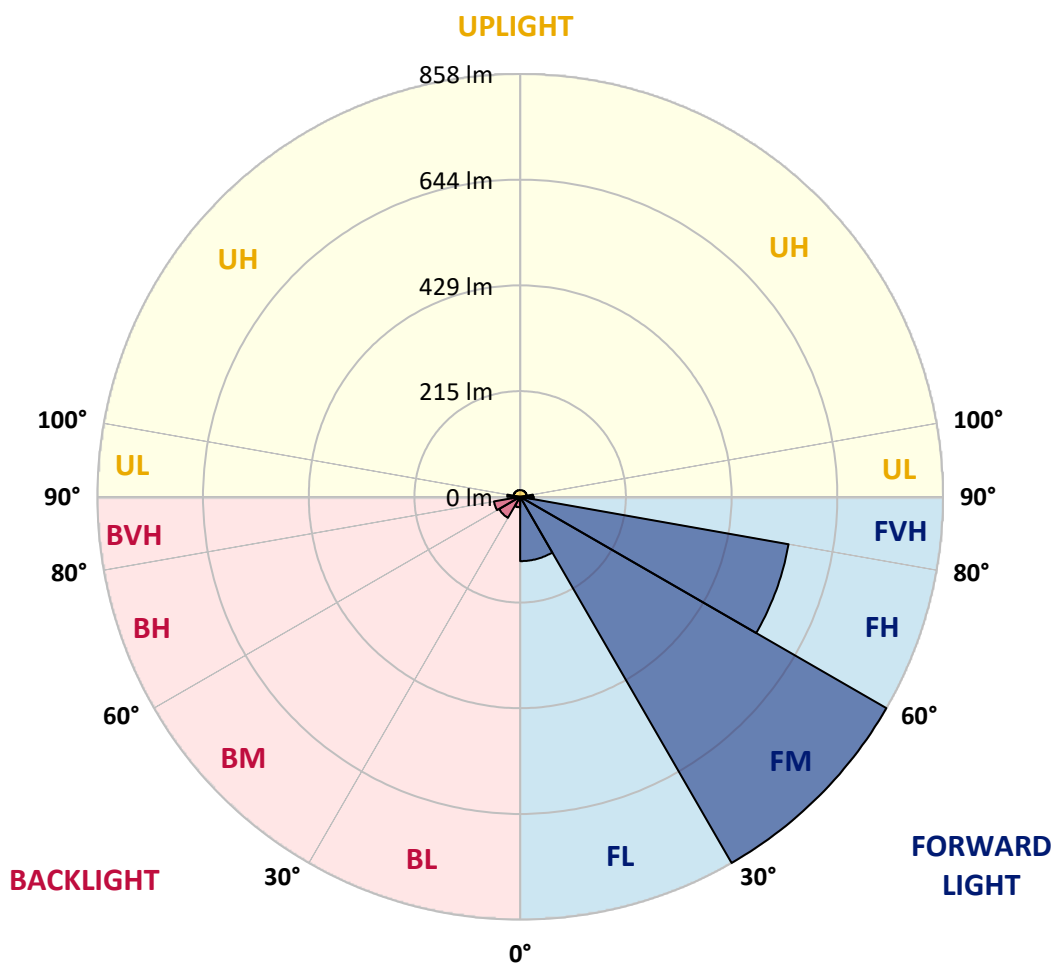
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	130.5	7.4			
FM	(30°-60°)	858.0	49.0			
FH	(60°-80°)	553.0	31.6			G0/660
FVH	(80°-90°)	27.7	1.6			G1/100
BL	(0°-30°)	21.3	1.2	B0/110		
BM	(30°-60°)	49.3	2.8	B0/220		
BH	(60°-80°)	54.1	3.1	B0/110		G0/110
BVH	(80°-90°)	18.0	1.0			G1/100
UL	(90°-100°)	26.2	1.5		U2/50	
UH	(100°-180°)	13.8	0.8		U2/50	

BUG Rating: B0-U2-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4
2.5°	266.0	282.7	287.7	296.1	300.2	295.2	286.0	274.3	261.8	258.4	247.6
5°	301.9	298.6	296.1	296.1	291.0	280.2	270.1	301.1	281.8	277.7	255.9
7.5°	274.3	300.2	319.5	321.2	318.6	310.3	296.1	264.3	268.5	263.4	236.7
10°	332.0	332.9	329.5	332.0	308.6	296.9	250.9	231.7	216.6	236.7	212.4
12.5°	275.2	316.1	339.6	347.9	318.6	280.2	256.8	246.7	191.5	186.5	192.4
15°	336.2	337.9	340.4	332.0	258.4	293.6	238.4	220.0	248.4	241.7	237.5
17.5°	266.0	269.3	326.2	322.8	299.4	232.5	283.5	252.6	230.8	222.5	216.6
20°	338.7	339.6	338.7	256.8	279.3	312.8	266.8	258.4	286.0	282.7	267.6
22.5°	284.4	284.4	303.6	329.5	293.6	313.6	271.8	322.0	266.0	264.3	199.1
25°	393.1	393.1	379.7	291.0	332.9	295.2	322.8	289.4	343.7	332.0	298.6
27.5°	382.2	370.5	349.6	367.2	322.0	369.7	312.8	352.9	378.9	389.7	372.2
30°	531.1	531.1	508.5	393.1	377.2	357.1	361.3	422.4	519.4	521.0	450.0
32.5°	719.3	705.9	586.3	506.8	412.3	448.3	408.1	496.8	564.5	562.0	478.4
35°	796.2	792.0	755.2	622.2	477.6	490.9	460.0	525.2	625.6	608.9	512.7
37.5°	874.8	868.1	830.5	687.5	546.1	563.7	498.5	567.0	681.6	657.4	550.3
40°	923.3	924.2	897.4	739.3	600.5	609.7	544.5	618.1	726.8	731.8	582.9
42.5°	974.3	973.5	951.8	800.4	645.7	657.4	581.3	666.6	787.8	793.7	638.1
45°	1001.9	1000.3	987.7	842.2	681.6	690.0	638.1	725.9	862.3	860.6	683.3
47.5°	1008.6	1011.1	1010.3	883.2	719.3	722.6	689.1	769.4	952.6	934.2	742.7
50°	971.0	972.7	984.4	915.8	746.9	750.2	729.3	818.8	1028.7	1007.0	796.2
52.5°	866.5	876.5	925.8	895.7	758.6	771.1	766.9	856.4	1121.5	1094.8	862.3
55°	644.0	667.4	780.3	820.5	752.7	771.9	800.4	925.0	1206.0	1173.4	915.8
57.5°	513.5	517.7	584.6	695.0	705.0	767.8	835.5	966.8	1258.7	1226.1	954.3
60°	405.6	412.3	455.8	544.5	615.6	742.7	845.5	1009.5	1300.5	1272.9	996.9
62.5°	314.5	313.6	347.1	406.5	496.0	690.0	832.2	1035.4	1354.0	1333.1	1073.0
65°	219.1	219.1	247.6	295.2	375.5	595.5	805.4	1072.2	1445.2	1439.4	1167.5
67.5°	149.7	153.1	172.3	195.7	257.6	484.2	765.3	1109.8	1578.2	1550.6	1258.7
70°	109.6	109.6	117.1	129.6	160.6	361.3	693.3	1110.7	1675.2	1646.8	1306.4
72.5°	81.1	81.1	87.0	92.8	101.2	240.0	568.7	1040.4	1650.1	1604.9	1209.4
75°	42.7	42.7	66.1	68.6	67.7	155.6	419.8	854.7	1395.0	1319.8	946.7
77.5°	33.5	34.3	37.6	53.5	49.3	102.0	234.2	526.1	901.6	809.6	512.7
80°	24.3	23.4	29.3	34.3	29.3	59.4	110.4	230.8	319.5	276.8	168.9
82.5°	14.2	15.1	17.6	25.1	25.1	41.8	71.9	101.2	114.6	113.7	101.2
85°	1.7	2.5	9.2	16.7	15.1	24.3	60.2	70.3	90.3	92.0	90.3
87.5°	1.7	1.7	2.5	3.3	4.2	15.9	51.0	61.1	83.6	89.5	90.3
90°	3.3	2.5	1.7	1.7	2.5	12.5	47.7	62.7	88.7	90.3	94.5
92.5°	4.2	3.3	1.7	0.8	2.5	10.0	45.2	62.7	92.0	97.9	102.0
95°	5.9	5.0	1.7	0.8	2.5	8.4	38.5	59.4	96.2	106.2	110.4
97.5°	7.5	6.7	1.7	1.7	2.5	6.7	30.1	46.8	63.6	71.9	77.8
100°	8.4	8.4	1.7	1.7	2.5	4.2	15.1	25.9	20.1	19.2	21.7
102.5°	9.2	9.2	1.7	1.7	1.7	2.5	5.0	10.9	4.2	4.2	6.7
105°	9.2	9.2	1.7	1.7	1.7	1.7	1.7	4.2	3.3	4.2	7.5
107.5°	8.4	9.2	1.7	2.5	2.5	1.7	1.7	1.7	3.3	5.0	7.5
110°	7.5	7.5	1.7	2.5	2.5	1.7	0.8	1.7	3.3	5.0	8.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	5.9	4.2	0.8	2.5	1.7	1.7	0.8	1.7	4.2	5.9	8.4
115°	2.5	1.7	0.8	1.7	1.7	1.7	0.8	1.7	4.2	6.7	8.4
117.5°	1.7	0.8	0.8	0.8	0.8	1.7	0.8	2.5	5.9	7.5	10.0
120°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.5	7.5	8.4	11.7
122.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	7.5	8.4	11.7
125°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	5.9	7.5	10.0
127.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	4.2	5.9	8.4
130°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	4.2	5.0	6.7
132.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.5	3.3	5.0
135°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	3.3
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
140°	0.8	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.8	0.8	0.8	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
150°	1.7	2.5	4.2	3.3	1.7	0.8	1.7	0.8	0.8	0.8	0.8
152.5°	4.2	4.2	3.3	3.3	0.8	0.8	1.7	1.7	0.8	0.8	0.8
155°	3.3	3.3	2.5	0.8	0.8	0.8	0.8	1.7	2.5	3.3	2.5
157.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4
2.5°	239.2	230.8	212.4	198.2	183.2	174.8	158.9	145.5	135.5	133.8	133.8
5°	239.2	222.5	189.9	154.7	122.1	105.4	96.2	90.3	86.1	84.5	83.6
7.5°	214.1	192.4	148.9	107.9	93.7	78.6	67.7	59.4	51.9	49.3	46.8
10°	187.3	160.6	101.2	74.4	59.4	49.3	44.3	41.8	39.3	38.5	38.5
12.5°	166.4	138.8	81.1	61.1	41.8	35.1	33.5	31.8	30.9	30.1	29.3
15°	203.2	166.4	84.5	41.8	29.3	25.1	23.4	24.3	25.9	25.9	25.9
17.5°	188.2	146.4	70.3	31.8	24.3	18.4	20.1	21.7	23.4	20.9	20.1
20°	225.0	172.3	68.6	25.1	20.1	18.4	17.6	15.1	19.2	19.2	19.2
22.5°	163.1	130.5	51.9	23.4	16.7	15.9	13.4	15.1	15.9	13.4	13.4
25°	241.7	169.8	51.0	18.4	16.7	12.5	13.4	10.9	13.4	13.4	13.4
27.5°	299.4	200.7	45.2	19.2	14.2	12.5	10.0	10.9	10.0	10.0	10.0
30°	356.3	225.8	41.0	19.2	13.4	10.0	9.2	8.4	10.0	10.0	10.0
32.5°	373.0	220.0	32.6	20.1	12.5	9.2	7.5	8.4	8.4	9.2	9.2
35°	392.2	214.9	27.6	17.6	11.7	8.4	6.7	7.5	8.4	9.2	9.2
37.5°	410.6	206.6	25.1	15.9	10.0	7.5	5.9	6.7	17.6	19.2	19.2
40°	434.1	196.5	23.4	14.2	8.4	5.9	5.0	13.4	15.9	18.4	18.4
42.5°	467.5	190.7	21.7	13.4	7.5	5.0	5.0	11.7	22.6	25.1	25.1
45°	495.1	180.7	20.9	11.7	6.7	4.2	8.4	15.9	18.4	23.4	22.6
47.5°	529.4	171.5	20.1	10.9	5.9	4.2	9.2	16.7	23.4	26.8	26.8
50°	566.2	166.4	19.2	10.0	5.9	4.2	15.9	15.9	19.2	30.1	30.1
52.5°	613.0	163.1	17.6	8.4	5.0	8.4	21.7	19.2	23.4	30.9	30.9
55°	635.6	152.2	16.7	7.5	4.2	8.4	23.4	21.7	24.3	32.6	32.6
57.5°	655.7	141.3	15.1	7.5	4.2	10.9	25.1	27.6	23.4	28.4	31.8
60°	674.1	130.5	13.4	6.7	4.2	13.4	27.6	38.5	32.6	38.5	38.5
62.5°	716.7	122.1	11.7	7.5	3.3	15.1	36.0	46.8	36.8	46.8	46.0
65°	756.9	112.1	10.9	6.7	4.2	17.6	39.3	54.4	40.1	54.4	54.4
67.5°	772.8	99.5	10.0	6.7	4.2	20.1	39.3	60.2	47.7	61.1	61.9
70°	745.2	82.0	9.2	7.5	5.0	22.6	41.0	64.4	51.0	71.1	71.1
72.5°	633.1	56.0	9.2	8.4	10.0	25.1	48.5	66.9	53.5	85.3	86.1
75°	472.5	31.8	10.0	9.2	10.9	28.4	53.5	69.4	56.0	86.1	86.1
77.5°	269.3	21.7	10.0	10.9	13.4	28.4	56.0	71.9	55.2	84.5	82.8
80°	93.7	15.9	10.0	12.5	16.7	28.4	56.9	71.1	53.5	78.6	78.6
82.5°	63.6	13.4	10.0	12.5	20.1	30.1	56.0	66.9	47.7	66.1	63.6
85°	59.4	10.9	10.9	13.4	21.7	30.1	51.0	57.7	40.1	49.3	48.5
87.5°	58.5	10.0	12.5	14.2	23.4	27.6	43.5	47.7	32.6	40.1	39.3
90°	61.1	10.0	13.4	15.1	21.7	22.6	35.1	40.1	26.8	31.8	30.9
92.5°	65.2	10.0	14.2	16.7	19.2	16.7	28.4	31.8	22.6	24.3	23.4
95°	69.4	10.0	15.9	17.6	15.9	12.5	21.7	25.9	18.4	17.6	17.6
97.5°	46.0	7.5	16.7	17.6	13.4	9.2	16.7	20.1	10.9	9.2	9.2
100°	15.1	5.9	17.6	18.4	12.5	6.7	14.2	15.1	8.4	4.2	4.2
102.5°	6.7	5.9	15.9	15.9	10.9	5.0	10.0	10.9	5.9	1.7	1.7
105°	5.9	3.3	9.2	11.7	7.5	2.5	5.0	5.9	3.3	1.7	1.7
107.5°	6.7	3.3	5.0	6.7	3.3	2.5	2.5	2.5	1.7	1.7	1.7
110°	6.7	3.3	2.5	4.2	3.3	2.5	1.7	1.7	1.7	2.5	2.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.5	3.3	2.5	3.3	2.5	2.5	1.7	1.7	3.3	5.9	5.9
115°	7.5	3.3	2.5	3.3	2.5	2.5	1.7	0.8	3.3	8.4	9.2
117.5°	8.4	4.2	1.7	2.5	1.7	1.7	1.7	0.8	4.2	10.9	10.9
120°	10.0	4.2	1.7	1.7	1.7	0.8	1.7	1.7	4.2	11.7	11.7
122.5°	10.0	5.0	1.7	1.7	1.7	0.8	0.8	1.7	5.0	10.9	11.7
125°	8.4	4.2	1.7	1.7	1.7	0.8	0.8	1.7	5.0	10.0	11.7
127.5°	6.7	4.2	1.7	1.7	1.7	0.8	0.8	1.7	5.0	8.4	9.2
130°	5.9	3.3	1.7	1.7	1.7	0.8	0.8	1.7	4.2	6.7	7.5
132.5°	4.2	2.5	1.7	1.7	1.7	0.8	0.8	0.8	4.2	6.7	6.7
135°	3.3	2.5	1.7	1.7	1.7	0.8	0.8	0.8	3.3	5.0	5.0
137.5°	1.7	0.8	1.7	1.7	1.7	0.8	0.8	0.8	2.5	2.5	2.5
140°	0.8	0.8	0.8	1.7	0.8	0.8	0.8	0.8	0.8	1.7	0.8
142.5°	0.8	0.8	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.8	0.8	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	0.8	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
155°	1.7	1.7	0.8	1.7	0.8	0.8	0.0	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
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)