

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: P559816

Luminaire Tested: **SDL-PA1-100-727-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-727-U-T3-A
Description: Springdale
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8079.7 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B2 - U3 - G3

Input Watts (W): 93.8
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

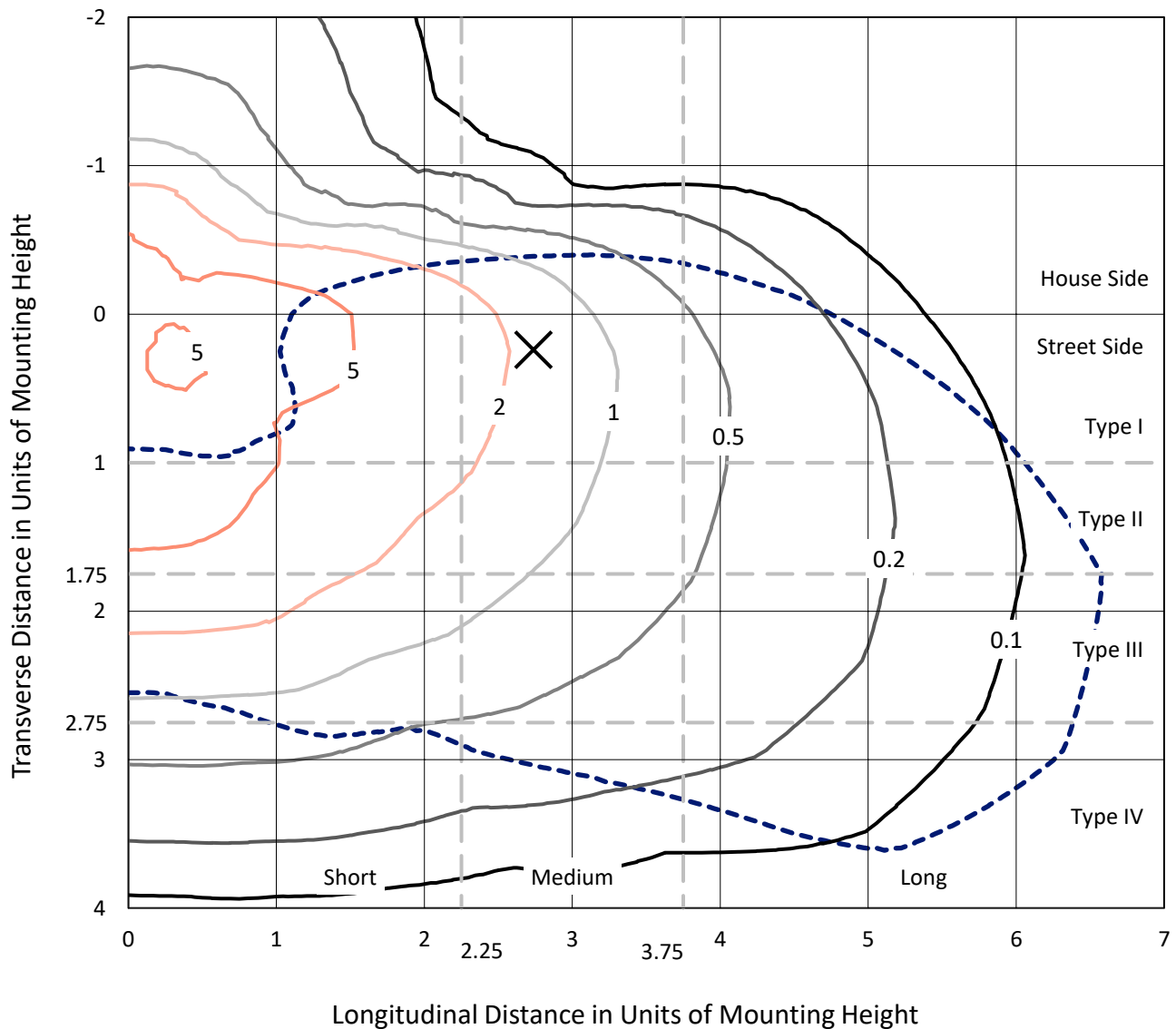


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

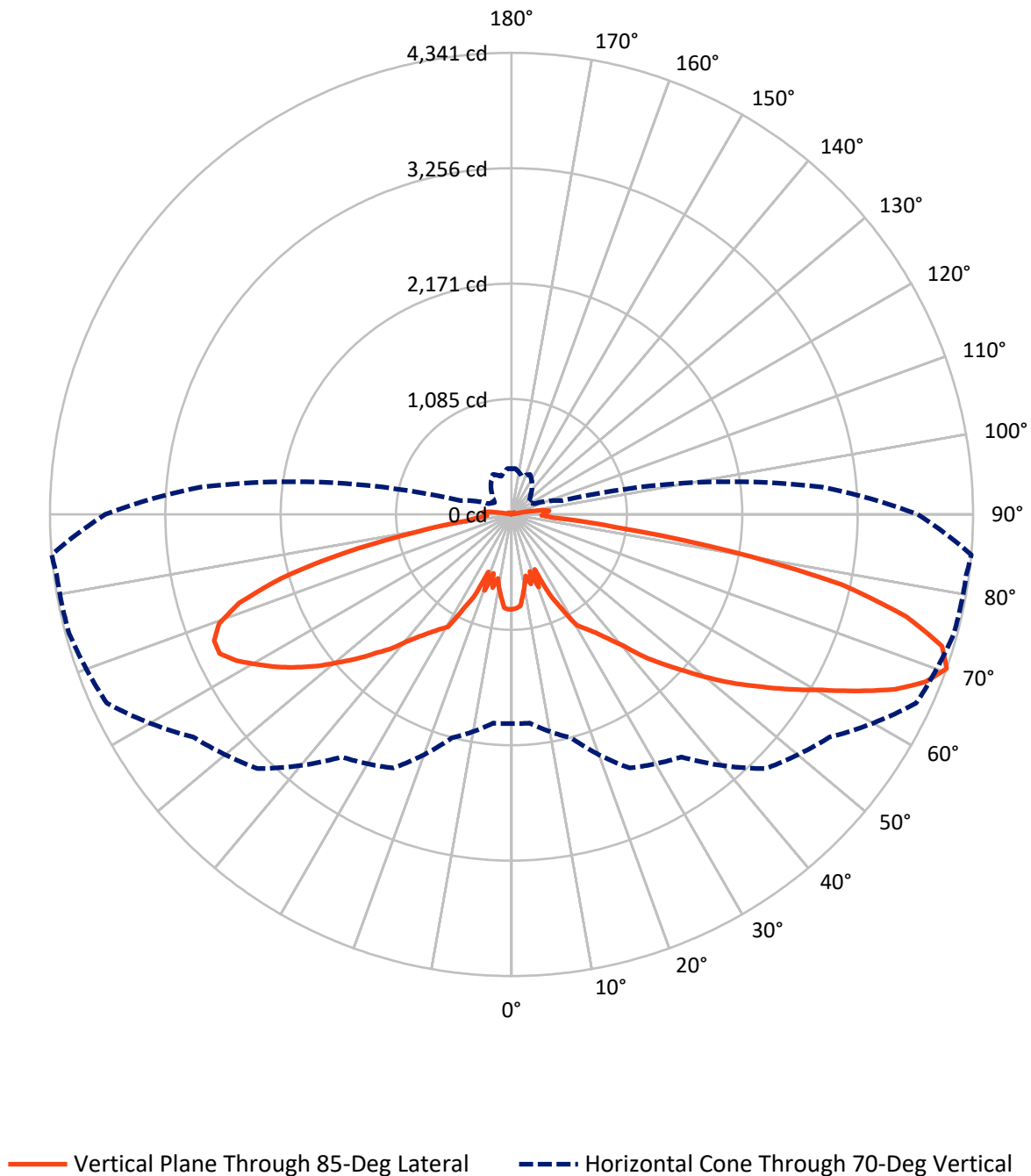


Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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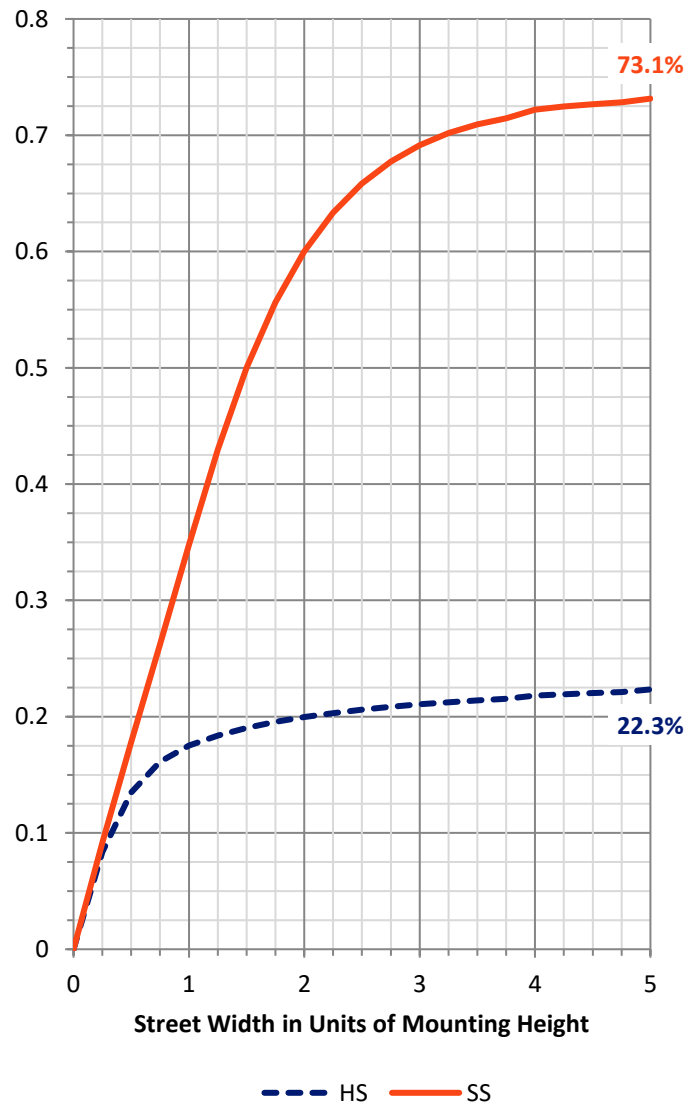
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1899.6	122.3	2021.9
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	5954.4	103.4	6057.8
	% Fixture	73.7	1.3	75.0
Total	Lumens	7854.0	225.7	8079.7
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	0.9
10°-20°	178.3	2.2
20°-30°	324.7	4.0
30°-40°	613.9	7.6
40°-50°	1025.9	12.7
50°-60°	1601.2	19.8
60°-70°	1985.6	24.6
70°-80°	1622.2	20.1
80°-90°	429.4	5.3
90°-100°	163.0	2.0
100°-110°	34.7	0.4
110°-120°	11.3	0.1
120°-130°	8.7	0.1
130°-140°	4.1	0.1
140°-150°	2.0	0.0
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7854.0	97.2
0°-180°	8079.7	100.0

Coefficient of Utilization



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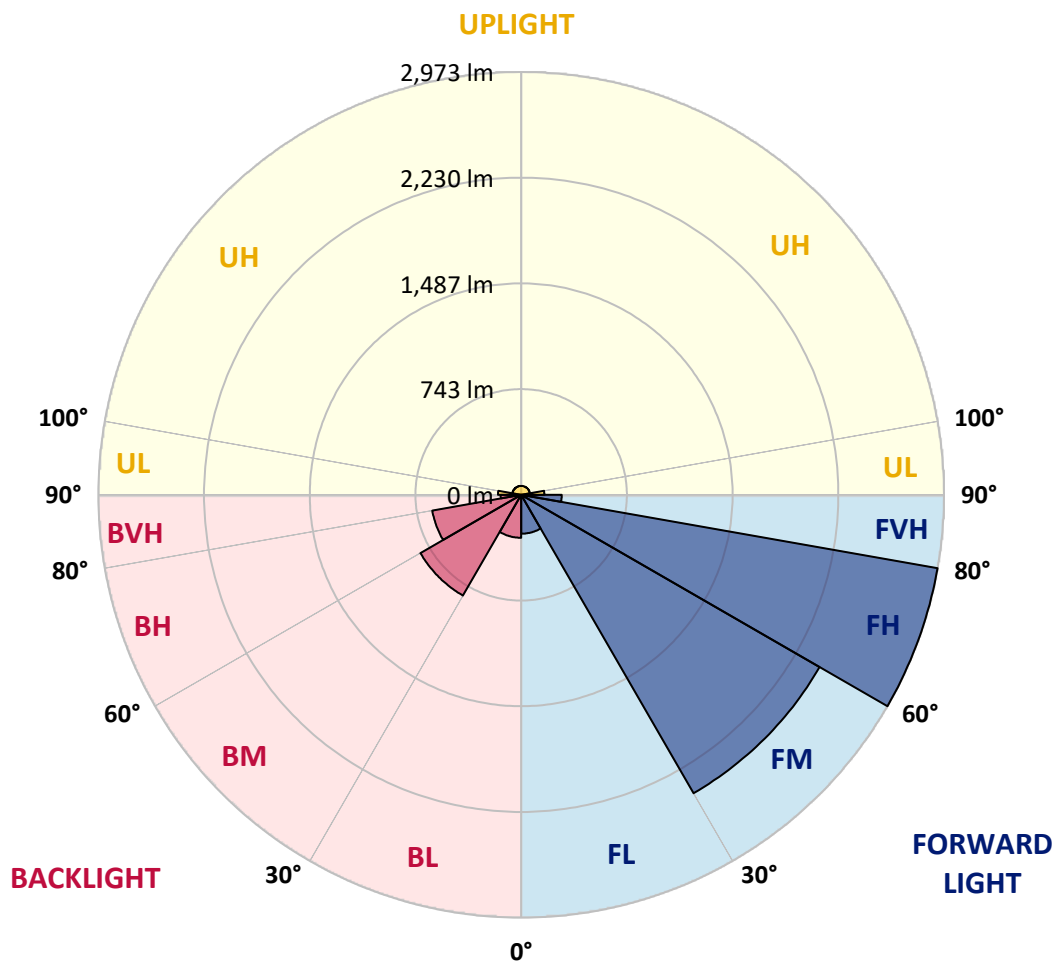
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	273.6	3.4			
FM	(30°-60°)	2422.7	30.0			
FH	(60°-80°)	2973.2	36.8			G2/5000
FVH	(80°-90°)	284.9	3.5			G3/500
BL	(0°-30°)	302.1	3.7	B1/500		
BM	(30°-60°)	818.2	10.1	B1/1000		
BH	(60°-80°)	634.7	7.9	B2/1000		G2/1000
BVH	(80°-90°)	144.5	1.8			G2/225
UL	(90°-100°)	163.0	2.0		U3/500	
UH	(100°-180°)	62.7	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	892.7	892.7	892.7	892.7	892.7	892.7	892.7	892.7	892.7	892.7	892.7
2.5°	739.2	811.2	798.7	820.6	833.2	852.0	864.5	870.8	877.0	883.3	883.3
5°	686.0	689.1	692.2	695.4	701.6	711.0	720.4	820.6	852.0	864.5	864.5
7.5°	626.4	623.3	635.8	651.5	673.4	686.0	695.4	698.5	732.9	761.1	767.4
10°	623.3	626.4	626.4	632.7	595.1	592.0	548.1	551.3	598.3	670.3	673.4
12.5°	541.9	557.5	592.0	617.1	579.5	520.0	510.6	535.6	501.2	588.9	592.0
15°	604.5	601.4	601.4	576.3	488.6	513.7	457.3	476.1	582.6	664.0	679.7
17.5°	526.2	520.0	582.6	563.8	507.4	429.1	513.7	507.4	526.2	573.2	563.8
20°	660.9	654.6	642.1	488.6	513.7	538.7	523.1	488.6	617.1	689.1	729.8
22.5°	617.1	623.3	654.6	620.2	529.3	554.4	494.9	601.4	582.6	554.4	560.7
25°	842.6	836.3	805.0	607.7	632.7	516.8	604.5	535.6	739.2	820.6	826.9
27.5°	776.8	767.4	745.5	764.3	642.1	676.6	588.9	701.6	817.5	961.6	1005.4
30°	1030.5	1021.1	996.1	770.5	764.3	670.3	714.1	861.4	1102.5	1212.2	1209.0
32.5°	1328.1	1259.2	1105.7	986.7	817.5	870.8	817.5	1014.8	1174.6	1281.1	1281.1
35°	1509.7	1497.2	1415.8	1146.4	952.2	949.1	939.7	1118.2	1296.7	1371.9	1365.7
37.5°	1663.2	1685.1	1625.6	1328.1	1074.4	1099.4	1052.4	1259.2	1447.1	1490.9	1484.7
40°	1876.2	1869.9	1838.6	1484.7	1224.7	1221.6	1187.1	1428.3	1613.1	1644.4	1628.8
42.5°	2192.6	2158.1	2064.1	1694.5	1384.4	1384.4	1321.8	1588.0	1816.7	1819.8	1829.2
45°	2581.0	2565.3	2399.3	2020.3	1591.2	1588.0	1484.7	1757.2	2023.4	2039.1	2010.9
47.5°	2850.3	2803.3	2721.9	2317.9	1910.7	1838.6	1682.0	1923.2	2270.9	2258.3	2202.0
50°	3116.6	3079.0	3003.8	2643.6	2242.7	2098.6	1866.8	2095.5	2508.9	2474.5	2421.2
52.5°	3345.2	3295.1	3213.7	2909.8	2534.0	2421.2	2079.8	2252.1	2750.1	2693.7	2643.6
55°	3476.8	3373.4	3379.7	3147.9	2753.2	2662.4	2317.9	2505.8	2985.0	2903.6	2862.9
57.5°	3313.9	3307.6	3411.0	3295.1	2953.7	2862.9	2571.6	2759.5	3229.3	3122.8	3104.0
60°	3151.0	3169.8	3317.0	3339.0	3110.3	3044.5	2790.8	3119.7	3467.4	3351.5	3351.5
62.5°	2925.5	2978.8	3185.5	3354.6	3126.0	3223.1	3019.5	3426.7	3727.4	3620.9	3655.3
65°	2668.7	2668.7	2906.7	3226.2	3075.9	3342.1	3273.2	3761.8	3956.0	3893.4	3965.4
67.5°	2317.9	2324.1	2571.6	2975.6	2985.0	3401.6	3476.8	4024.9	4194.1	4147.1	4200.3
70°	1967.0	1970.2	2176.9	2631.1	2784.6	3379.7	3652.2	4200.3	4310.0	4316.2	4341.3
72.5°	1472.2	1525.4	1719.6	2136.2	2436.9	3288.8	3743.0	4250.4	4306.8	4316.2	4234.8
75°	792.5	817.5	1033.6	1390.7	1810.4	2916.1	3714.8	4197.2	4156.5	4046.8	3833.9
77.5°	275.6	288.2	363.3	607.7	1027.4	2064.1	3445.5	3965.4	3833.9	3489.3	3176.1
80°	178.5	178.5	197.3	291.3	466.7	977.3	2674.9	3398.5	3088.4	2352.3	2061.0
82.5°	125.3	128.4	144.1	194.2	300.7	419.7	1390.7	1725.9	1700.8	1171.5	986.7
85°	90.8	94.0	100.2	112.8	206.7	260.0	541.9	830.0	767.4	419.7	394.7
87.5°	40.7	47.0	40.7	50.1	81.4	159.7	260.0	256.8	244.3	278.8	285.0
90°	31.3	31.3	25.1	28.2	56.4	144.1	241.2	231.8	247.4	303.8	300.7
92.5°	31.3	31.3	25.1	28.2	53.2	144.1	253.7	225.5	256.8	325.8	328.9
95°	31.3	34.5	25.1	25.1	43.9	147.2	269.4	241.2	272.5	353.9	353.9
97.5°	28.2	28.2	18.8	21.9	34.5	134.7	269.4	206.7	200.5	285.0	281.9
100°	21.9	25.1	12.5	18.8	25.1	81.4	200.5	128.4	56.4	65.8	100.2
102.5°	21.9	21.9	12.5	15.7	18.8	34.5	106.5	75.2	15.7	21.9	21.9
105°	21.9	25.1	12.5	12.5	12.5	15.7	50.1	37.6	12.5	18.8	21.9
107.5°	25.1	25.1	9.4	9.4	9.4	9.4	18.8	15.7	12.5	21.9	25.1
110°	25.1	25.1	9.4	9.4	6.3	6.3	9.4	9.4	12.5	21.9	25.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	21.9	21.9	9.4	9.4	6.3	6.3	6.3	9.4	12.5	18.8	21.9
115°	15.7	15.7	6.3	9.4	6.3	6.3	6.3	9.4	9.4	15.7	18.8
117.5°	15.7	12.5	6.3	6.3	3.1	6.3	6.3	9.4	12.5	21.9	21.9
120°	15.7	15.7	6.3	3.1	3.1	3.1	3.1	6.3	15.7	25.1	28.2
122.5°	15.7	15.7	6.3	3.1	3.1	3.1	3.1	6.3	15.7	25.1	28.2
125°	18.8	15.7	9.4	3.1	3.1	3.1	3.1	3.1	12.5	21.9	25.1
127.5°	15.7	15.7	9.4	3.1	3.1	3.1	3.1	3.1	9.4	18.8	21.9
130°	15.7	15.7	9.4	3.1	3.1	3.1	3.1	3.1	9.4	15.7	15.7
132.5°	12.5	12.5	9.4	3.1	3.1	3.1	3.1	3.1	6.3	12.5	12.5
135°	12.5	12.5	6.3	3.1	3.1	3.1	3.1	3.1	3.1	9.4	9.4
137.5°	6.3	6.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
140°	0.0	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	6.3	6.3	3.1	3.1	3.1	3.1	3.1	3.1
150°	9.4	9.4	9.4	6.3	6.3	3.1	6.3	3.1	3.1	3.1	3.1
152.5°	9.4	9.4	12.5	6.3	3.1	3.1	3.1	6.3	3.1	3.1	3.1
155°	6.3	6.3	6.3	3.1	3.1	3.1	3.1	3.1	6.3	6.3	9.4
157.5°	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
160°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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°	892.7	892.7	892.7	892.7	892.7	892.7	892.7	892.7	892.7	892.7	892.7
2.5°	886.4	892.7	895.8	905.2	905.2	905.2	883.3	830.0	830.0	833.2	836.3
5°	873.9	880.2	892.7	848.8	805.0	801.9	817.5	826.9	830.0	833.2	826.9
7.5°	773.7	786.2	779.9	783.1	805.0	826.9	845.7	833.2	801.9	779.9	786.2
10°	689.1	701.6	632.7	639.0	664.0	726.7	830.0	864.5	886.4	895.8	895.8
12.5°	604.5	613.9	554.4	642.1	598.3	695.4	808.1	892.7	808.1	773.7	773.7
15°	692.2	711.0	639.0	570.1	582.6	704.8	620.2	852.0	877.0	883.3	889.6
17.5°	592.0	579.5	592.0	601.4	654.6	548.1	711.0	801.9	751.7	732.9	742.3
20°	745.5	758.0	692.2	592.0	598.3	698.5	632.7	717.3	855.1	858.2	864.5
22.5°	566.9	582.6	620.2	704.8	617.1	676.6	667.2	745.5	698.5	701.6	726.7
25°	833.2	845.7	779.9	629.6	673.4	610.8	673.4	664.0	783.1	789.3	789.3
27.5°	1021.1	992.9	852.0	711.0	592.0	645.2	607.7	632.7	604.5	689.1	701.6
30°	1215.3	1215.3	1105.7	792.5	626.4	548.1	554.4	601.4	670.3	682.8	682.8
32.5°	1274.8	1271.7	1130.7	858.2	617.1	566.9	510.6	566.9	686.0	745.5	751.7
35°	1359.4	1346.9	1174.6	836.3	595.1	516.8	482.4	570.1	657.8	667.2	660.9
37.5°	1465.9	1434.6	1227.8	795.6	545.0	485.5	463.6	513.7	588.9	588.9	588.9
40°	1597.4	1547.3	1246.6	739.2	491.8	444.8	422.9	476.1	526.2	498.0	488.6
42.5°	1776.0	1700.8	1262.3	698.5	444.8	410.3	382.1	432.2	457.3	441.6	435.4
45°	1942.0	1829.2	1287.3	654.6	407.2	379.0	353.9	397.8	416.6	400.9	397.8
47.5°	2139.3	1989.0	1290.5	613.9	379.0	353.9	335.1	372.7	385.3	385.3	382.1
50°	2342.9	2142.4	1315.5	579.5	350.8	328.9	325.8	353.9	363.3	357.1	353.9
52.5°	2574.7	2314.7	1324.9	535.6	316.4	300.7	316.4	335.1	363.3	366.5	366.5
55°	2822.1	2474.5	1318.7	476.1	291.3	285.0	307.0	347.7	372.7	353.9	350.8
57.5°	3063.3	2634.2	1321.8	410.3	266.2	278.8	310.1	363.3	382.1	360.2	350.8
60°	3279.4	2778.3	1278.0	350.8	247.4	263.1	322.6	379.0	372.7	379.0	369.6
62.5°	3545.7	2928.6	1152.7	313.2	231.8	256.8	322.6	388.4	363.3	388.4	388.4
65°	3764.9	3041.4	974.1	281.9	219.3	256.8	325.8	391.5	353.9	394.7	394.7
67.5°	3858.9	3038.3	704.8	256.8	203.6	250.6	325.8	404.1	363.3	407.2	404.1
70°	3821.3	2934.9	498.0	238.0	194.2	253.7	338.3	413.5	372.7	432.2	429.1
72.5°	3567.6	2690.6	360.2	222.4	181.7	241.2	347.7	426.0	382.1	469.8	469.8
75°	3141.6	2248.9	291.3	206.7	169.1	238.0	350.8	432.2	388.4	476.1	476.1
77.5°	2402.4	1616.2	244.3	191.1	156.6	231.8	347.7	441.6	385.3	476.1	476.1
80°	1440.8	920.9	203.6	172.3	159.7	228.7	353.9	441.6	385.3	469.8	469.8
82.5°	664.0	422.9	181.7	144.1	150.3	225.5	360.2	435.4	369.6	469.8	451.0
85°	369.6	297.6	156.6	122.2	134.7	213.0	341.4	391.5	332.0	388.4	382.1
87.5°	275.6	231.8	100.2	62.6	87.7	150.3	263.1	310.1	250.6	300.7	297.6
90°	294.4	244.3	90.8	62.6	94.0	137.8	247.4	275.6	231.8	278.8	275.6
92.5°	316.4	256.8	90.8	65.8	106.5	150.3	247.4	269.4	228.7	253.7	256.8
95°	332.0	266.2	87.7	72.0	112.8	162.9	241.2	247.4	209.9	219.3	228.7
97.5°	260.0	200.5	78.3	75.2	109.6	131.6	197.3	194.2	144.1	134.7	134.7
100°	81.4	56.4	68.9	78.3	65.8	62.6	115.9	137.8	84.6	56.4	53.2
102.5°	25.1	21.9	62.6	75.2	50.1	28.2	62.6	87.7	62.6	9.4	12.5
105°	25.1	25.1	40.7	62.6	34.5	12.5	25.1	47.0	37.6	9.4	9.4
107.5°	25.1	21.9	15.7	34.5	12.5	9.4	12.5	12.5	12.5	9.4	9.4
110°	25.1	25.1	12.5	12.5	9.4	9.4	9.4	6.3	6.3	15.7	15.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.1	25.1	12.5	12.5	9.4	9.4	6.3	6.3	9.4	21.9	21.9
115°	21.9	21.9	12.5	9.4	6.3	9.4	6.3	6.3	9.4	25.1	25.1
117.5°	25.1	25.1	12.5	9.4	6.3	6.3	6.3	3.1	9.4	28.2	31.3
120°	31.3	28.2	15.7	6.3	6.3	6.3	6.3	6.3	12.5	25.1	28.2
122.5°	31.3	31.3	15.7	6.3	3.1	3.1	3.1	6.3	12.5	25.1	28.2
125°	28.2	28.2	15.7	6.3	3.1	3.1	3.1	3.1	12.5	21.9	21.9
127.5°	25.1	25.1	12.5	6.3	3.1	3.1	3.1	3.1	9.4	18.8	21.9
130°	18.8	18.8	9.4	6.3	3.1	3.1	3.1	3.1	9.4	15.7	18.8
132.5°	15.7	15.7	9.4	6.3	3.1	3.1	3.1	3.1	9.4	12.5	15.7
135°	9.4	9.4	6.3	3.1	3.1	3.1	3.1	3.1	6.3	9.4	12.5
137.5°	6.3	6.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.3	6.3
140°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
145°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.3	6.3	9.4	6.3
152.5°	3.1	3.1	3.1	6.3	3.1	0.0	0.0	6.3	6.3	9.4	9.4
155°	9.4	9.4	6.3	3.1	3.1	0.0	0.0	0.0	6.3	6.3	6.3
157.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
160°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
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)