

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: P559812

Luminaire Tested: **SDL-PA1-100-727-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
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-T2U-A
Description: Springdale
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8201.9 lumens
Efficiency: N/A
Efficacy: 87.4 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: B3 - 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

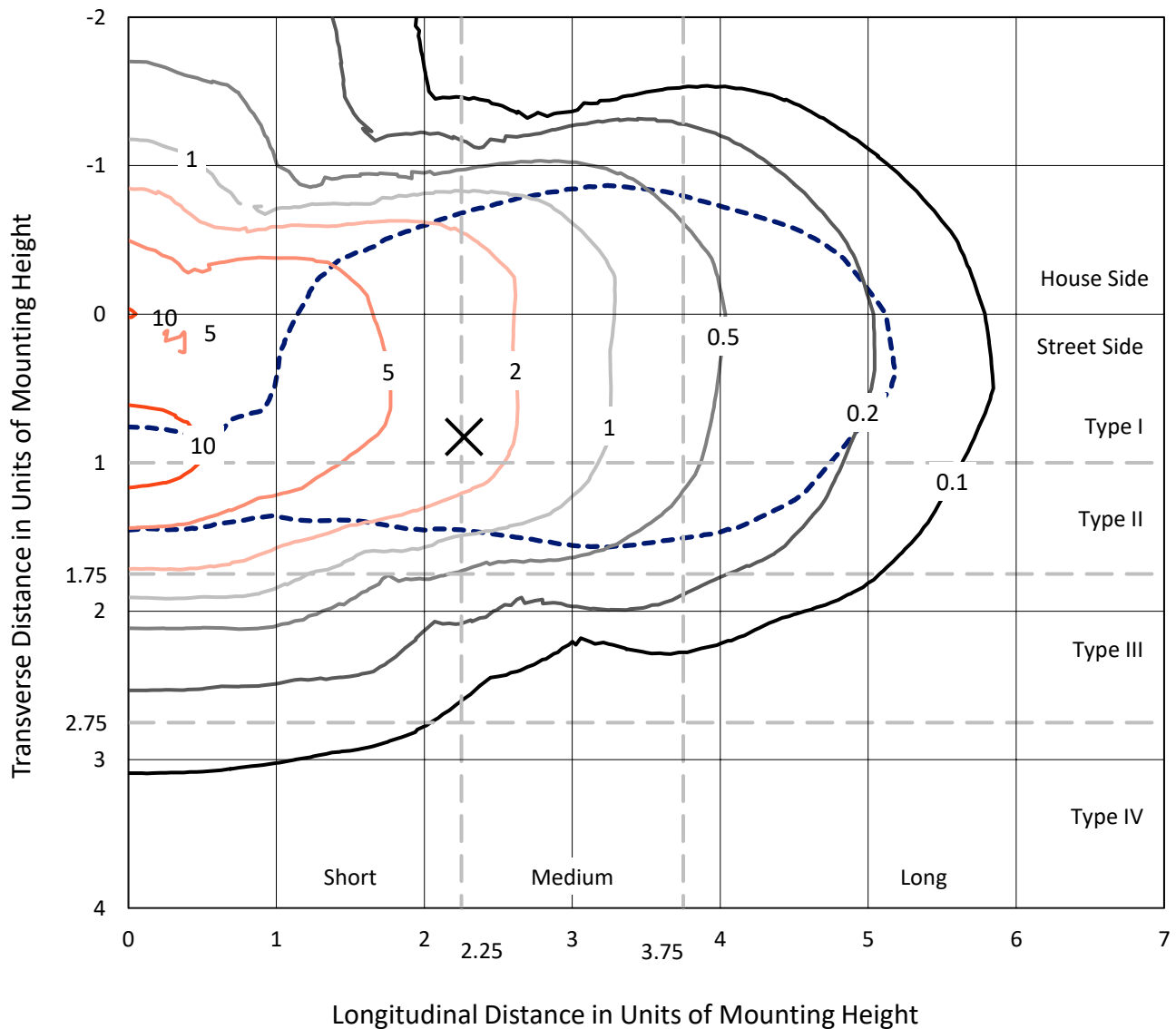


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

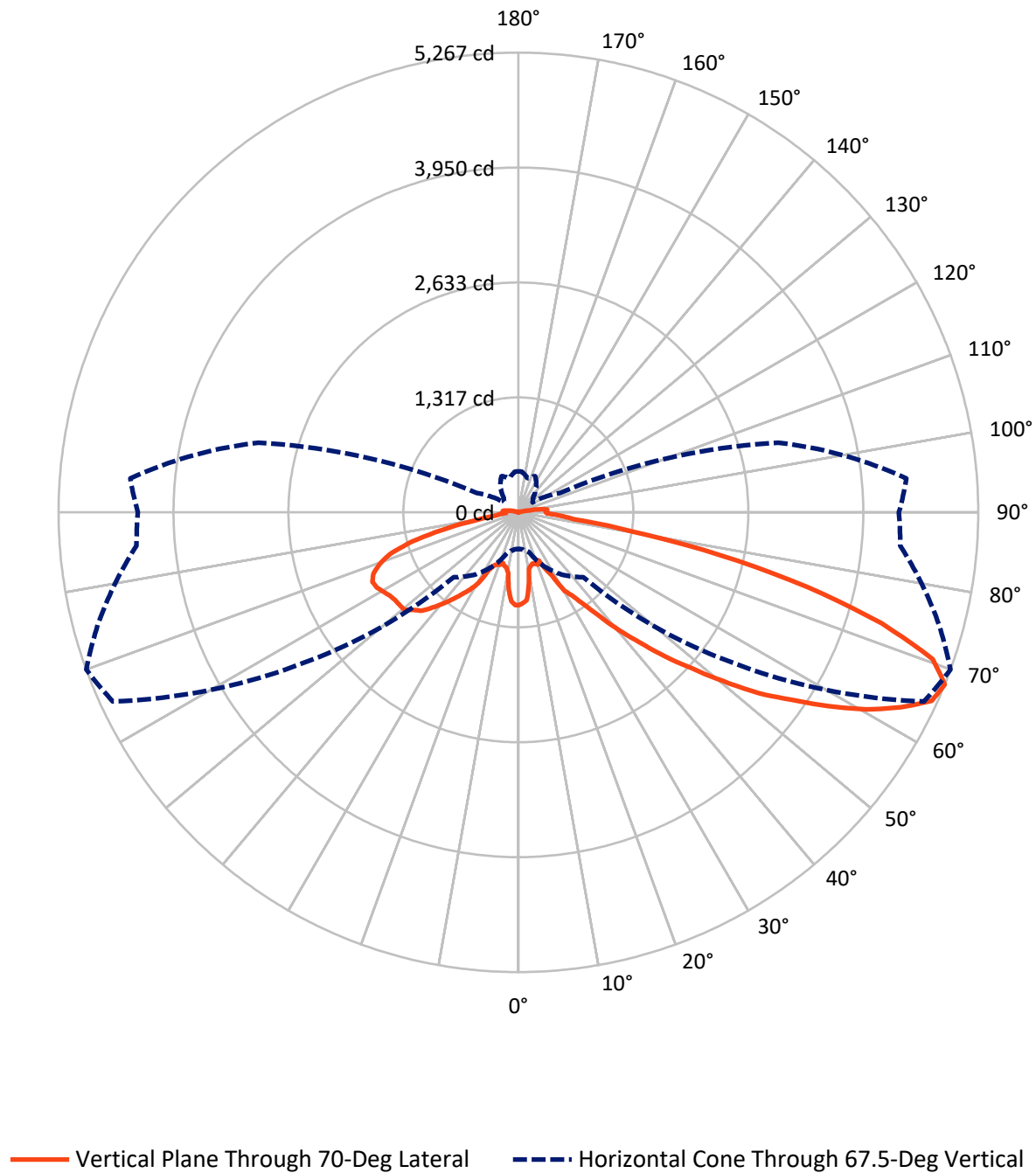


Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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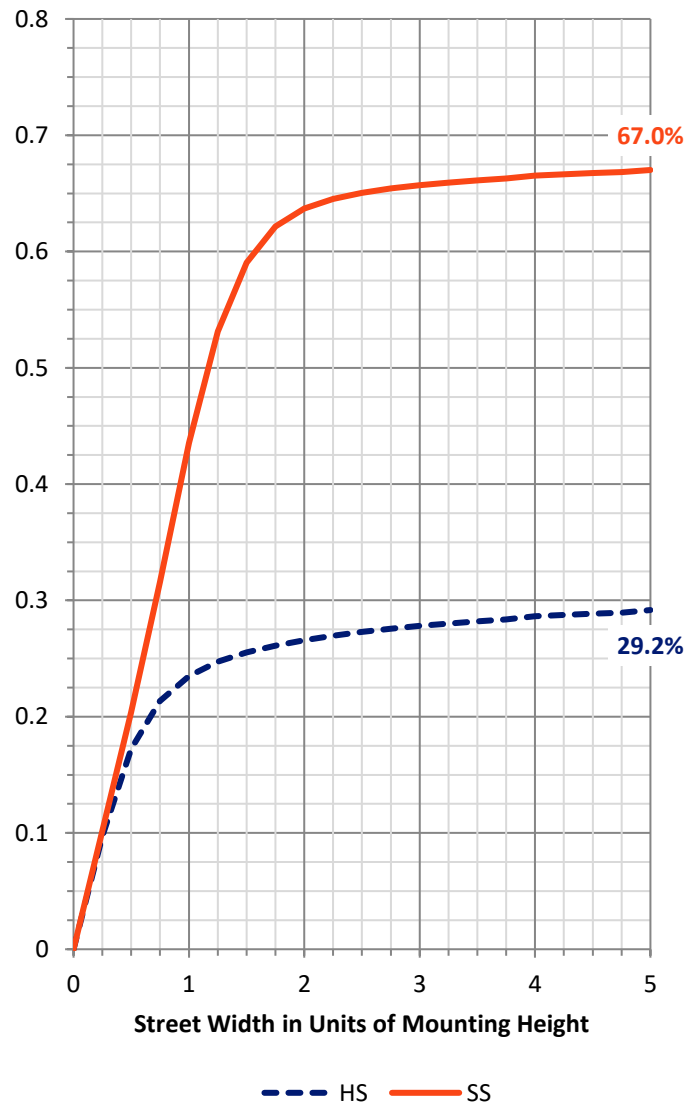
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2466.9	96.7	2563.7
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	5544.7	93.5	5638.2
	% Fixture	67.6	1.1	68.7
Total	Lumens	8011.6	190.2	8201.9
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	1.0
10°-20°	196.8	2.4
20°-30°	349.1	4.3
30°-40°	735.5	9.0
40°-50°	1375.1	16.8
50°-60°	1904.5	23.2
60°-70°	1836.4	22.4
70°-80°	1207.3	14.7
80°-90°	321.8	3.9
90°-100°	132.0	1.6
100°-110°	28.8	0.4
110°-120°	12.5	0.2
120°-130°	9.0	0.1
130°-140°	4.0	0.0
140°-150°	2.1	0.0
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8011.6	97.7
0°-180°	8201.9	100.0

Coefficient of Utilization



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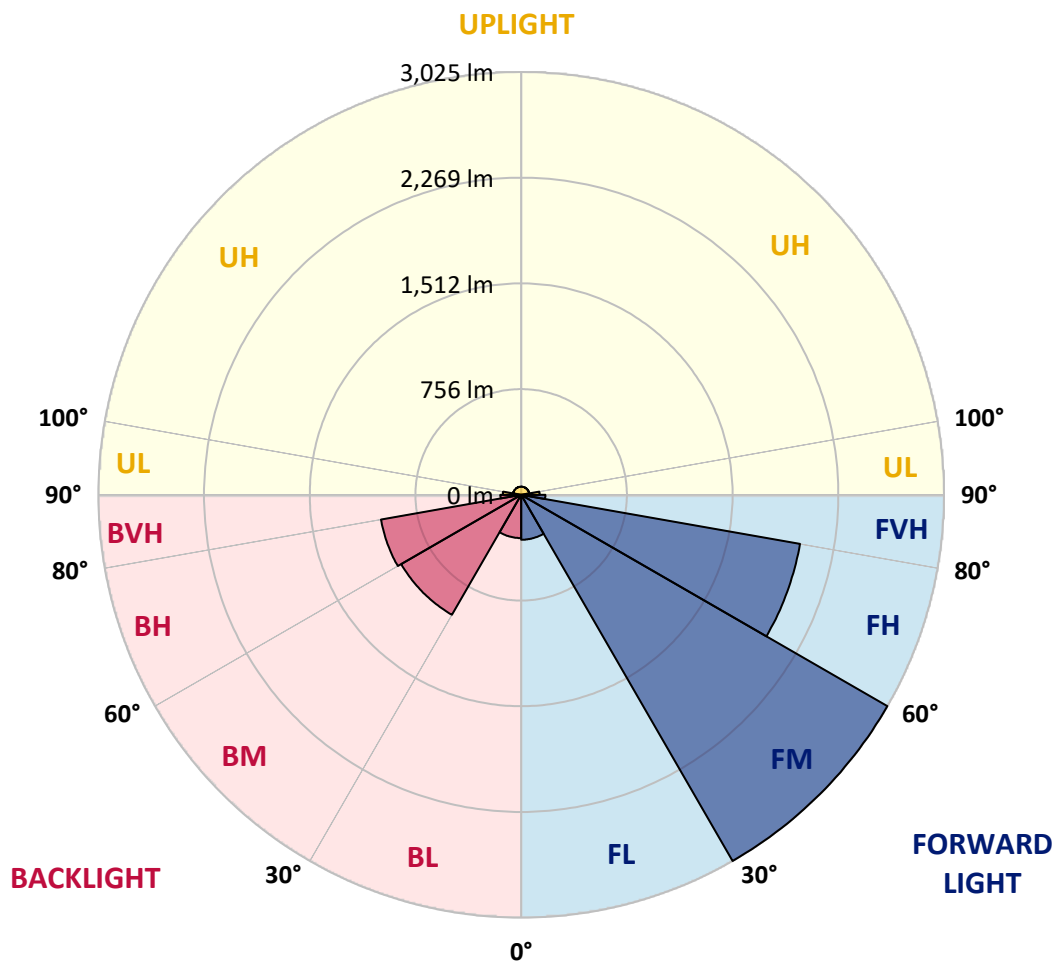
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	321.4	3.9			
FM	(30°-60°)	3024.8	36.9			
FH	(60°-80°)	2025.4	24.7			G2/5000
FVH	(80°-90°)	173.1	2.1			G2/225
BL	(0°-30°)	309.5	3.8	B1/500		
BM	(30°-60°)	990.4	12.1	B1/1000		
BH	(60°-80°)	1018.4	12.4	B3/2500		G3/2500
BVH	(80°-90°)	148.6	1.8			G2/225
UL	(90°-100°)	132.0	1.6		U3/500	
UH	(100°-180°)	58.3	0.7		U3/500	

BUG Rating: B3-U3-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5
2.5°	886.1	958.1	936.2	1005.1	1020.8	1036.4	1039.5	1042.7	1039.5	1042.7	1048.9
5°	836.0	839.1	842.3	848.5	848.5	854.8	867.3	998.8	1011.4	1020.8	1033.3
7.5°	698.2	729.6	789.1	811.0	820.4	832.9	839.1	839.1	851.7	883.0	904.9
10°	776.5	770.3	773.4	776.5	732.7	723.3	657.5	648.1	657.5	679.5	782.8
12.5°	651.3	682.6	748.3	764.0	710.8	629.4	620.0	632.5	629.4	566.7	663.8
15°	754.6	751.5	745.2	732.7	594.9	623.1	535.4	541.7	607.4	651.3	742.1
17.5°	657.5	654.4	742.1	717.0	626.2	485.3	610.6	566.7	620.0	573.0	613.7
20°	817.2	814.1	804.7	598.1	638.8	645.0	591.8	548.0	638.8	660.7	745.2
22.5°	742.1	742.1	801.6	785.9	648.1	682.6	563.6	666.9	598.1	607.4	563.6
25°	1020.8	1011.4	998.8	729.6	779.7	626.2	698.2	613.7	713.9	773.4	811.0
27.5°	989.4	970.7	958.1	967.5	782.8	820.4	692.0	764.0	823.5	848.5	945.6
30°	1390.2	1365.2	1327.6	1014.5	973.8	839.1	836.0	945.6	1042.7	1121.0	1174.2
32.5°	1772.2	1778.5	1584.4	1362.1	1077.1	1121.0	995.7	1108.4	1139.7	1221.2	1252.5
35°	2273.2	2210.6	2088.5	1700.2	1312.0	1268.1	1158.5	1265.0	1296.3	1374.6	1393.4
37.5°	2667.7	2670.9	2483.0	2044.6	1571.8	1534.3	1343.3	1452.9	1509.2	1596.9	1565.6
40°	3046.6	3062.3	2912.0	2398.5	1900.6	1797.3	1565.6	1694.0	1772.2	1825.5	1772.2
42.5°	3384.8	3381.6	3278.3	2789.9	2207.5	2148.0	1800.4	1966.4	2035.3	2085.3	2044.6
45°	3650.9	3641.5	3547.6	3109.2	2570.7	2652.1	2107.3	2279.5	2351.5	2407.9	2307.7
47.5°	3741.7	3691.6	3650.9	3340.9	2908.8	3096.7	2486.1	2583.2	2667.7	2764.8	2602.0
50°	3644.7	3578.9	3594.6	3450.5	3193.8	3469.3	2893.2	2933.9	3037.2	3121.8	2880.7
52.5°	3240.7	3225.1	3312.8	3340.9	3315.9	3754.3	3350.3	3234.5	3438.0	3447.4	3168.7
55°	2708.4	2689.7	2896.3	3012.2	3200.0	3867.0	3738.6	3657.2	3788.7	3773.0	3425.5
57.5°	2182.4	2169.9	2357.8	2548.8	2874.4	3804.4	4011.0	4120.6	4186.4	4098.7	3663.5
60°	1462.2	1487.3	1809.8	2066.6	2351.5	3428.6	4114.3	4552.7	4584.0	4396.1	3913.9
62.5°	933.1	967.5	1174.2	1593.8	1756.6	2783.6	4039.2	4937.8	4919.0	4665.4	4145.6
65°	598.1	610.6	710.8	1080.2	1258.7	1844.3	3704.2	5200.8	5204.0	4906.5	4330.4
67.5°	419.6	422.7	469.7	673.2	870.5	1048.9	3012.2	5125.7	5266.6	4987.9	4389.9
70°	375.7	378.9	391.4	457.1	660.7	651.3	1825.5	4580.9	5034.9	4881.5	4299.1
72.5°	335.0	338.2	360.1	397.7	507.2	510.4	873.6	3647.8	4352.3	4502.6	4029.8
75°	278.7	284.9	310.0	372.6	391.4	429.0	585.5	2564.4	3425.5	3879.5	3710.4
77.5°	234.8	238.0	256.8	316.2	341.3	347.6	501.0	1421.5	2367.2	2855.6	3268.9
80°	187.9	187.9	203.5	250.5	281.8	284.9	447.8	751.5	1312.0	1728.4	2273.2
82.5°	122.1	125.2	144.0	187.9	209.8	281.8	397.7	548.0	641.9	832.9	1033.3
85°	78.3	78.3	90.8	106.5	125.2	216.0	350.7	454.0	479.1	522.9	469.7
87.5°	37.6	37.6	34.4	40.7	47.0	81.4	244.2	322.5	325.6	319.4	344.4
90°	31.3	31.3	25.0	28.2	31.3	43.8	184.7	316.2	313.1	325.6	357.0
92.5°	34.4	34.4	25.0	28.2	31.3	37.6	134.6	319.4	328.8	344.4	378.9
95°	37.6	37.6	25.0	25.0	28.2	34.4	84.5	275.5	331.9	347.6	391.4
97.5°	34.4	34.4	18.8	21.9	25.0	31.3	53.2	206.7	259.9	272.4	310.0
100°	31.3	31.3	15.7	18.8	21.9	25.0	34.4	106.5	112.7	84.5	119.0
102.5°	28.2	31.3	12.5	15.7	15.7	15.7	21.9	50.1	50.1	28.2	31.3
105°	28.2	31.3	12.5	12.5	9.4	12.5	12.5	18.8	21.9	15.7	25.0
107.5°	31.3	31.3	12.5	12.5	9.4	9.4	9.4	12.5	15.7	12.5	25.0
110°	28.2	28.2	9.4	12.5	6.3	6.3	6.3	9.4	12.5	12.5	28.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	18.8	18.8	9.4	12.5	6.3	6.3	6.3	9.4	12.5	15.7	34.4
115°	15.7	12.5	6.3	9.4	6.3	6.3	6.3	9.4	9.4	12.5	28.2
117.5°	15.7	12.5	6.3	6.3	3.1	6.3	6.3	9.4	9.4	12.5	25.0
120°	15.7	15.7	6.3	3.1	3.1	3.1	3.1	6.3	9.4	15.7	28.2
122.5°	18.8	15.7	6.3	6.3	3.1	3.1	3.1	6.3	9.4	15.7	28.2
125°	18.8	18.8	9.4	6.3	3.1	3.1	3.1	6.3	9.4	12.5	25.0
127.5°	18.8	15.7	9.4	6.3	3.1	3.1	3.1	3.1	6.3	9.4	21.9
130°	15.7	15.7	9.4	3.1	3.1	3.1	3.1	3.1	6.3	6.3	15.7
132.5°	12.5	12.5	9.4	3.1	3.1	3.1	3.1	3.1	3.1	6.3	12.5
135°	9.4	9.4	6.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1	9.4
137.5°	6.3	6.3	6.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
140°	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	0.0	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	6.3	6.3	3.1	3.1	3.1	3.1	3.1	3.1
150°	6.3	6.3	12.5	9.4	6.3	3.1	6.3	3.1	3.1	3.1	3.1
152.5°	9.4	9.4	12.5	9.4	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°	0.0	0.0	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5
2.5°	1052.1	1052.1	1061.5	1064.6	1061.5	1058.3	1039.5	983.2	948.7	951.9	951.9
5°	1036.4	1039.5	1048.9	992.6	923.7	930.0	939.3	942.5	942.5	948.7	948.7
7.5°	914.3	917.4	892.4	901.8	923.7	939.3	945.6	930.0	879.9	861.1	861.1
10°	792.2	792.2	704.5	707.6	732.7	779.7	926.8	942.5	958.1	961.3	958.1
12.5°	670.1	673.2	601.2	692.0	660.7	745.2	854.8	945.6	873.6	801.6	811.0
15°	748.3	754.6	676.3	594.9	610.6	735.8	638.8	876.7	883.0	883.0	883.0
17.5°	601.2	635.6	598.1	613.7	676.3	554.2	723.3	801.6	735.8	717.0	717.0
20°	748.3	748.3	682.6	591.8	626.2	720.2	641.9	713.9	839.1	839.1	836.0
22.5°	557.3	557.3	598.1	685.7	629.4	710.8	679.5	739.0	666.9	666.9	685.7
25°	804.7	795.3	726.4	607.4	717.0	657.5	682.6	645.0	754.6	764.0	757.7
27.5°	970.7	964.4	779.7	698.2	673.2	701.4	613.7	601.2	579.3	666.9	657.5
30°	1149.1	1133.5	1020.8	842.3	739.0	591.8	554.2	576.1	638.8	641.9	638.8
32.5°	1233.7	1199.2	1074.0	1008.2	754.6	610.6	497.9	513.5	635.6	673.2	673.2
35°	1349.5	1312.0	1171.1	1099.0	751.5	538.6	441.5	497.9	573.0	576.1	576.1
37.5°	1509.2	1452.9	1333.9	1152.3	701.4	475.9	407.1	441.5	494.7	510.4	516.6
40°	1694.0	1621.9	1515.5	1186.7	629.4	400.8	363.2	407.1	447.8	435.2	435.2
42.5°	1953.8	1847.4	1694.0	1239.9	538.6	353.8	331.9	372.6	400.8	407.1	403.9
45°	2198.1	2066.6	1903.7	1258.7	438.4	319.4	310.0	353.8	382.0	372.6	372.6
47.5°	2473.6	2307.7	2060.3	1214.9	360.1	300.6	310.0	341.3	353.8	369.5	369.5
50°	2746.0	2567.5	2288.9	1146.0	319.4	288.1	310.0	328.8	353.8	363.2	360.1
52.5°	2993.4	2836.8	2426.6	1023.9	297.5	278.7	300.6	328.8	360.1	375.7	375.7
55°	3262.7	3103.0	2551.9	914.3	278.7	259.9	310.0	341.3	350.7	360.1	360.1
57.5°	3466.2	3340.9	2689.7	817.2	266.1	259.9	316.2	357.0	353.8	363.2	363.2
60°	3713.5	3604.0	2814.9	770.3	247.4	247.4	328.8	385.1	360.1	388.3	388.3
62.5°	3976.6	3910.8	2937.0	735.8	228.6	241.1	331.9	407.1	372.6	416.4	419.6
65°	4230.2	4242.7	3049.7	654.4	212.9	241.1	338.2	435.2	385.1	441.5	447.8
67.5°	4358.6	4461.9	3081.1	526.0	197.3	238.0	357.0	457.1	403.9	466.5	469.7
70°	4333.5	4468.2	3009.0	388.3	184.7	250.5	385.1	475.9	413.3	497.9	497.9
72.5°	4114.3	4211.4	2796.1	294.3	172.2	241.1	391.4	482.2	419.6	548.0	548.0
75°	3804.4	3704.2	2301.4	244.2	162.8	241.1	382.0	475.9	413.3	535.4	532.3
77.5°	3300.2	2965.2	1587.5	216.0	153.4	231.7	357.0	463.4	394.5	497.9	504.1
80°	2116.7	1825.5	811.0	187.9	162.8	222.3	344.4	429.0	366.3	444.6	447.8
82.5°	964.4	811.0	369.5	166.0	159.7	200.4	313.1	382.0	319.4	378.9	375.7
85°	407.1	413.3	291.2	140.9	140.9	156.6	231.7	297.5	247.4	266.1	259.9
87.5°	316.2	303.7	200.4	84.5	90.8	68.9	150.3	212.9	162.8	172.2	169.1
90°	335.0	328.8	212.9	87.7	65.8	40.7	112.7	166.0	122.1	109.6	106.5
92.5°	357.0	353.8	238.0	93.9	65.8	34.4	97.1	134.6	87.7	75.1	72.0
95°	382.0	382.0	259.9	100.2	65.8	34.4	87.7	103.3	65.8	50.1	47.0
97.5°	303.7	310.0	222.3	103.3	62.6	34.4	78.3	84.5	50.1	28.2	28.2
100°	122.1	134.6	122.1	103.3	56.4	28.2	62.6	65.8	34.4	15.7	15.7
102.5°	28.2	34.4	84.5	90.8	43.8	18.8	40.7	40.7	21.9	9.4	9.4
105°	28.2	25.0	56.4	72.0	25.0	12.5	18.8	25.0	12.5	6.3	6.3
107.5°	28.2	28.2	25.0	34.4	12.5	9.4	9.4	9.4	6.3	6.3	6.3
110°	31.3	28.2	12.5	12.5	9.4	9.4	6.3	6.3	3.1	18.8	21.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	37.6	34.4	15.7	12.5	9.4	9.4	6.3	6.3	9.4	31.3	31.3
115°	31.3	28.2	15.7	9.4	9.4	9.4	6.3	3.1	9.4	34.4	34.4
117.5°	28.2	25.0	15.7	9.4	6.3	9.4	6.3	3.1	9.4	34.4	34.4
120°	31.3	28.2	15.7	9.4	6.3	6.3	6.3	3.1	9.4	31.3	31.3
122.5°	31.3	31.3	18.8	6.3	6.3	3.1	6.3	3.1	9.4	28.2	28.2
125°	28.2	25.0	15.7	6.3	3.1	3.1	3.1	3.1	12.5	25.0	28.2
127.5°	25.0	21.9	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	18.8	15.7
132.5°	12.5	12.5	9.4	6.3	3.1	3.1	3.1	3.1	9.4	12.5	12.5
135°	9.4	9.4	6.3	3.1	3.1	3.1	3.1	3.1	6.3	9.4	9.4
137.5°	3.1	3.1	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	3.1	3.1	3.1	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	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	6.3	3.1	3.1	6.3	3.1	3.1	3.1
152.5°	3.1	3.1	3.1	6.3	3.1	3.1	3.1	3.1	9.4	9.4	6.3
155°	9.4	9.4	6.3	3.1	3.1	3.1	3.1	3.1	6.3	3.1	3.1
157.5°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	0.0	0.0	3.1	0.0
160°	0.0	0.0	3.1	3.1	3.1	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)