

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: P560398

Luminaire Tested: **SDL-PA1-40-750-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-750-U-SL3-A
Description: Springdale
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4613.8 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 39.4
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



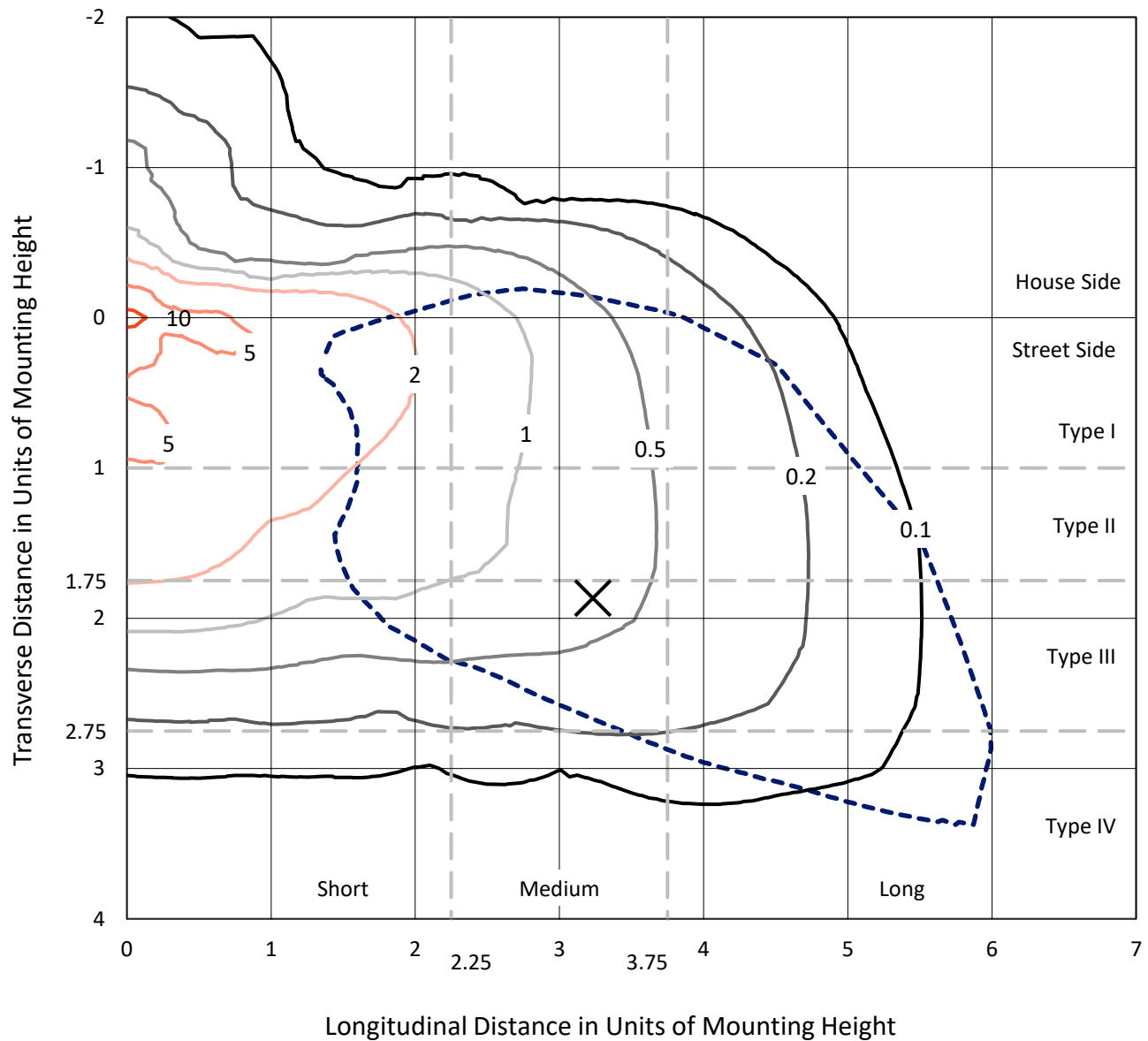
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

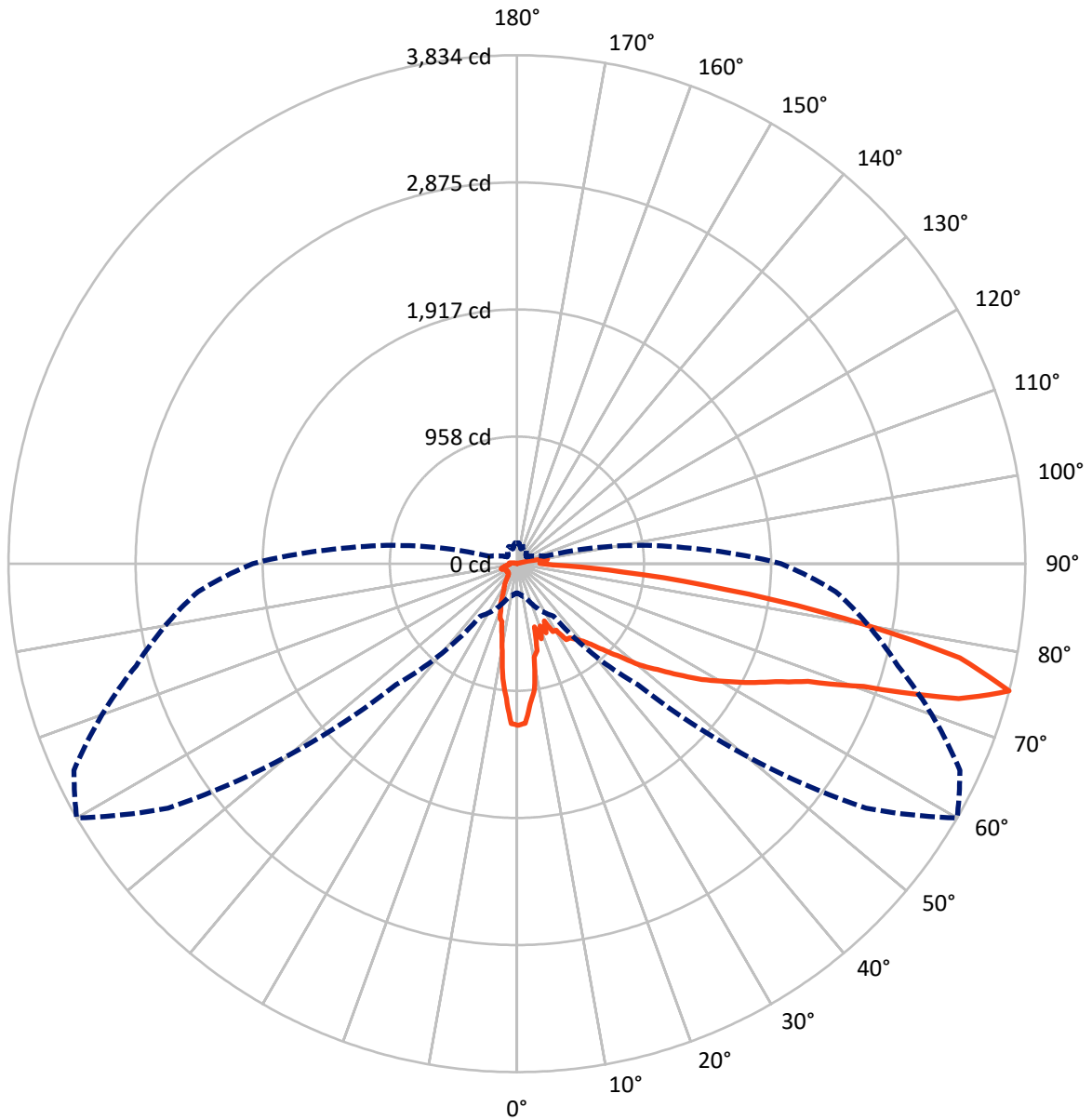


Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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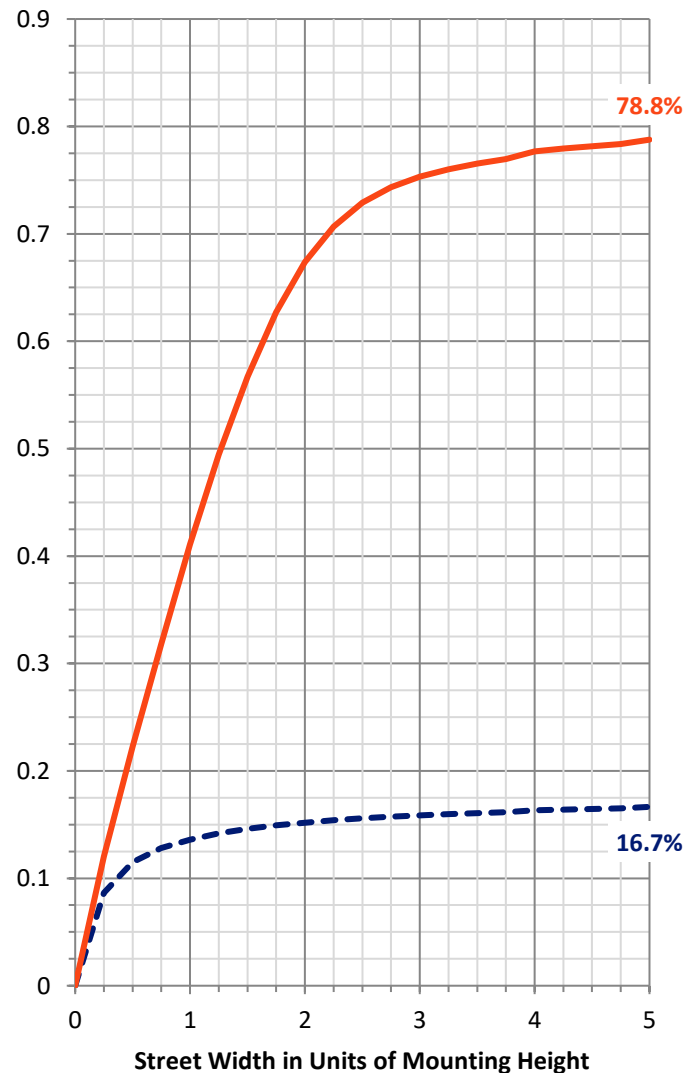
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	810.0	61.4	871.4
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	3677.4	65.0	3742.4
	% Fixture	79.7	1.4	81.1
Total	Lumens	4487.5	126.4	4613.8
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	1.9
10°-20°	159.6	3.5
20°-30°	206.8	4.5
30°-40°	344.6	7.5
40°-50°	551.8	12.0
50°-60°	847.1	18.4
60°-70°	1058.4	22.9
70°-80°	965.4	20.9
80°-90°	264.2	5.7
90°-100°	88.7	1.9
100°-110°	20.2	0.4
110°-120°	6.4	0.1
120°-130°	6.0	0.1
130°-140°	2.8	0.1
140°-150°	1.2	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4487.5	97.3
0°-180°	4613.8	100.0

Coefficient of Utilization



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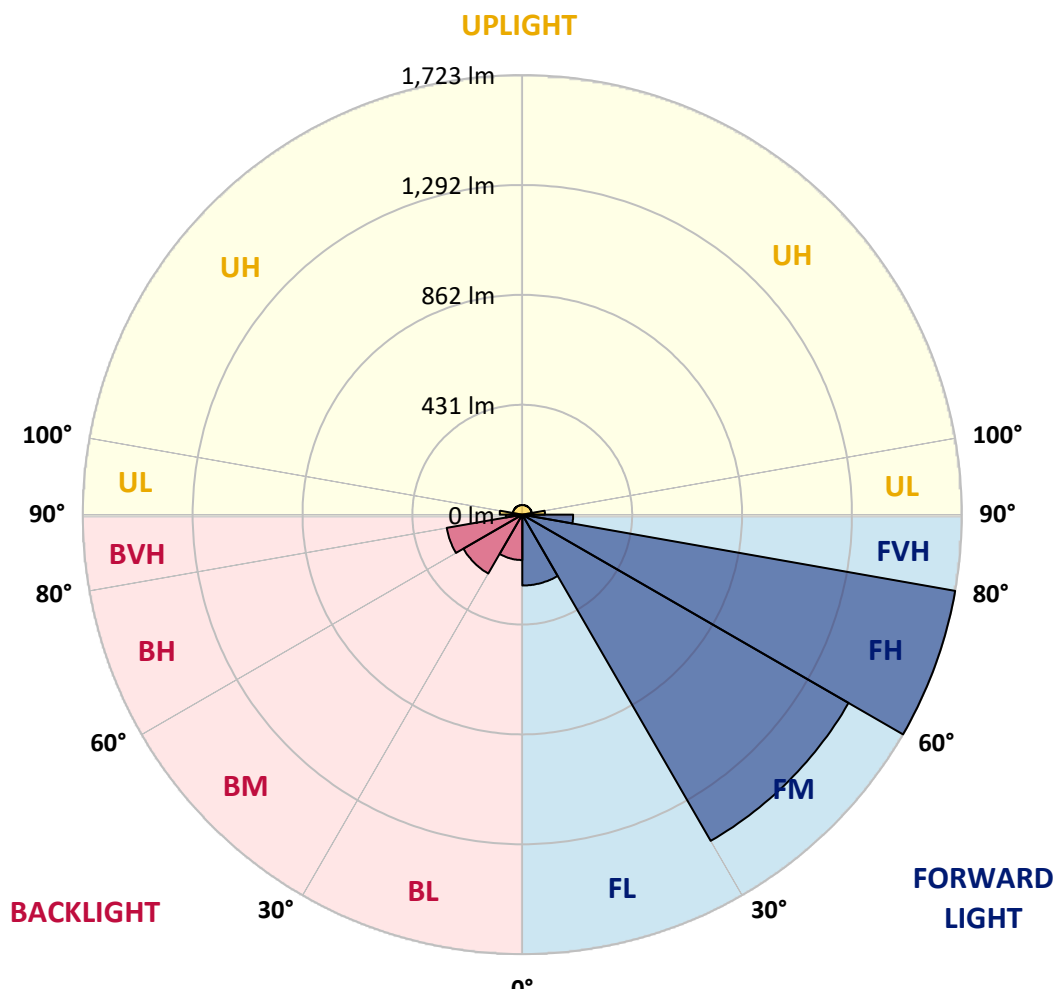
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	277.9	6.0			
FM	(30°-60°)	1476.9	32.0			
FH	(60°-80°)	1723.3	37.4			G1/1800
FVH	(80°-90°)	199.4	4.3			G2/225
BL	(0°-30°)	178.1	3.9	B1/500		
BM	(30°-60°)	266.6	5.8	B1/1000		
BH	(60°-80°)	300.5	6.5	B1/500		G1/500
BVH	(80°-90°)	64.8	1.4			G1/100
UL	(90°-100°)	88.7	1.9		U3/500	
UH	(100°-180°)	37.7	0.8		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1218.4	1218.4	1218.4	1218.4	1218.4	1218.4	1218.4	1218.4	1218.4	1218.4	1218.4
2.5°	1022.3	1117.6	1108.6	1182.4	1182.4	1198.6	1205.8	1204.0	1211.2	1218.4	1216.6
5°	941.3	943.1	950.3	966.5	971.9	977.3	995.3	1058.2	1164.4	1189.6	1189.6
7.5°	777.5	820.7	874.7	883.7	916.1	932.3	952.1	955.7	883.7	1013.3	1025.9
10°	788.3	790.1	786.5	806.3	782.9	773.9	710.9	714.5	721.7	770.3	867.5
12.5°	617.3	653.3	730.7	766.7	709.1	646.1	642.5	673.1	685.7	613.7	764.9
15°	705.5	709.1	710.9	712.7	529.1	613.7	536.3	493.1	552.5	696.5	791.9
17.5°	552.5	556.1	640.7	638.9	583.1	471.5	583.1	595.7	572.3	592.1	662.3
20°	647.9	649.7	644.3	500.3	511.1	577.7	502.1	500.3	529.1	682.1	770.3
22.5°	532.7	525.5	523.7	572.3	520.1	556.1	487.7	565.1	613.7	608.3	581.3
25°	667.7	665.9	638.9	498.5	532.7	471.5	570.5	478.7	530.9	736.1	770.3
27.5°	624.5	599.3	554.3	575.9	496.7	552.5	507.5	579.5	611.9	755.9	892.7
30°	808.1	790.1	737.9	581.3	548.9	509.3	543.5	581.3	696.5	973.7	1020.5
32.5°	1067.2	1047.5	860.3	712.7	575.9	602.9	572.3	682.1	768.5	993.5	1029.5
35°	1146.4	1119.4	1027.7	863.9	660.5	640.7	610.1	687.5	779.3	1045.7	1045.7
37.5°	1191.4	1189.6	1146.4	953.9	745.1	734.3	656.9	721.7	822.5	1096.0	1085.2
40°	1198.6	1207.6	1227.4	1033.1	845.9	822.5	718.1	768.5	883.7	1157.2	1135.6
42.5°	1258.0	1274.2	1319.2	1137.4	946.7	925.1	790.1	836.9	950.3	1247.2	1241.8
45°	1353.4	1369.6	1409.2	1252.6	1034.9	1020.5	907.1	935.9	1058.2	1405.6	1355.2
47.5°	1551.4	1555.0	1538.8	1348.0	1130.2	1130.2	1020.5	1047.5	1155.4	1551.4	1502.8
50°	1749.4	1727.8	1655.8	1461.4	1225.6	1252.6	1137.4	1200.4	1265.2	1699.0	1632.4
52.5°	1859.1	1855.5	1758.3	1547.8	1308.4	1360.6	1272.4	1326.4	1366.0	1848.3	1754.8
55°	1862.7	1857.3	1790.7	1589.2	1385.8	1472.2	1407.4	1477.6	1506.4	1965.3	1922.1
57.5°	1803.3	1817.7	1783.5	1612.6	1423.6	1580.2	1571.2	1646.8	1661.2	2103.9	2037.3
60°	1709.8	1708.0	1749.4	1634.2	1481.2	1682.8	1722.4	1799.7	1877.1	2210.1	2139.9
62.5°	1475.8	1492.0	1609.0	1634.2	1544.2	1815.9	1891.5	1972.5	2067.9	2307.3	2231.7
65°	1155.4	1164.4	1348.0	1515.4	1562.2	1994.1	2062.5	2143.5	2244.3	2406.3	2334.3
67.5°	698.3	757.7	916.1	1247.2	1470.4	2208.3	2334.3	2368.5	2426.1	2517.8	2485.4
70°	397.7	415.7	491.3	784.7	1227.4	2276.7	2834.6	2773.4	2714.0	2735.6	2674.4
72.5°	302.4	313.2	347.4	464.3	734.3	2010.3	3255.7	3482.5	3226.9	2962.4	2669.0
75°	219.6	230.4	264.6	374.3	482.3	1288.6	3212.5	3833.5	3685.9	2973.2	2413.5
77.5°	136.8	138.6	158.4	318.6	433.7	646.1	2514.2	3414.1	3478.9	2777.0	2001.3
80°	95.4	97.2	100.8	171.0	399.5	518.3	1688.2	2507.0	2598.8	1932.9	1020.5
82.5°	68.4	72.0	75.6	100.8	259.2	494.9	1051.1	1578.4	1391.2	700.1	413.9
85°	36.0	39.6	48.6	61.2	104.4	538.1	629.9	802.7	635.3	284.4	246.6
87.5°	14.4	12.6	10.8	16.2	28.8	207.0	244.8	270.0	208.8	160.2	196.2
90°	12.6	10.8	7.2	9.0	12.6	73.8	154.8	172.8	144.0	156.6	198.0
92.5°	12.6	10.8	7.2	7.2	12.6	73.8	185.4	189.0	149.4	160.2	207.0
95°	12.6	12.6	7.2	7.2	12.6	66.6	219.6	216.0	154.8	169.2	219.6
97.5°	12.6	12.6	5.4	7.2	12.6	45.0	226.8	234.0	151.2	120.6	181.8
100°	12.6	12.6	5.4	5.4	10.8	28.8	158.4	171.0	111.6	39.6	45.0
102.5°	12.6	12.6	5.4	5.4	7.2	19.8	70.2	84.6	66.6	12.6	14.4
105°	12.6	14.4	3.6	3.6	5.4	10.8	30.6	34.2	27.0	9.0	16.2
107.5°	14.4	16.2	3.6	3.6	3.6	5.4	10.8	12.6	7.2	7.2	16.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	12.6	10.8	1.8	3.6	3.6	3.6	3.6	3.6	3.6	7.2	18.0
115°	7.2	5.4	1.8	3.6	3.6	3.6	1.8	3.6	5.4	7.2	16.2
117.5°	7.2	5.4	1.8	1.8	1.8	3.6	1.8	1.8	5.4	9.0	19.8
120°	5.4	5.4	1.8	1.8	1.8	1.8	1.8	3.6	3.6	12.6	27.0
122.5°	5.4	5.4	1.8	1.8	1.8	1.8	1.8	3.6	3.6	12.6	27.0
125°	7.2	7.2	3.6	1.8	1.8	1.8	1.8	3.6	3.6	10.8	25.2
127.5°	5.4	5.4	3.6	1.8	1.8	1.8	1.8	3.6	3.6	9.0	19.8
130°	5.4	5.4	3.6	1.8	1.8	1.8	1.8	3.6	1.8	9.0	16.2
132.5°	5.4	5.4	3.6	1.8	1.8	1.8	1.8	1.8	1.8	5.4	12.6
135°	5.4	5.4	3.6	1.8	1.8	1.8	1.8	1.8	1.8	3.6	9.0
137.5°	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
140°	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	1.8	1.8	1.8	1.8	3.6	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	3.6	3.6	3.6	1.8	1.8	1.8	1.8	1.8
150°	3.6	3.6	7.2	5.4	3.6	1.8	1.8	1.8	1.8	1.8	1.8
152.5°	7.2	7.2	7.2	5.4	1.8	1.8	3.6	5.4	1.8	1.8	1.8
155°	5.4	5.4	5.4	1.8	1.8	1.8	1.8	1.8	3.6	5.4	5.4
157.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
160°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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°	1218.4	1218.4	1218.4	1218.4	1218.4	1218.4	1218.4	1218.4	1218.4	1218.4	1218.4
2.5°	1211.2	1214.8	1211.2	1207.6	1204.0	1193.2	1119.4	1029.5	1022.3	1029.5	1025.9
5°	1180.6	1180.6	1178.8	1054.6	980.9	959.3	953.9	948.5	937.7	932.3	935.9
7.5°	1018.7	1013.3	950.3	838.7	908.9	883.7	869.3	862.1	754.1	714.5	718.1
10°	851.3	851.3	707.3	667.7	664.1	674.9	748.7	743.3	728.9	719.9	728.9
12.5°	734.3	764.9	561.5	601.1	487.7	539.9	590.3	626.3	516.5	485.9	491.3
15°	779.3	768.5	617.3	471.5	430.1	453.5	363.5	455.3	448.1	433.7	431.9
17.5°	680.3	624.5	514.7	442.7	424.7	320.4	311.4	322.2	295.2	270.0	282.6
20°	739.7	709.1	545.3	394.1	327.6	291.6	219.6	205.2	261.0	273.6	271.8
22.5°	617.3	514.7	446.3	392.3	264.6	208.8	165.6	181.8	194.4	207.0	212.4
25°	725.3	669.5	487.7	293.4	214.2	153.0	149.4	135.0	203.4	232.2	230.4
27.5°	836.9	757.7	469.7	275.4	154.8	131.4	120.6	136.8	142.2	160.2	171.0
30°	935.9	840.5	543.5	255.6	129.6	99.0	108.0	111.6	138.6	149.4	149.4
32.5°	932.3	817.1	485.9	217.8	106.2	90.0	90.0	106.2	122.4	147.6	149.4
35°	930.5	799.1	433.7	169.2	93.6	79.2	82.8	100.8	122.4	136.8	138.6
37.5°	952.1	793.7	381.5	136.8	84.6	75.6	79.2	95.4	131.4	145.8	145.8
40°	984.5	797.3	329.4	117.0	81.0	73.8	75.6	100.8	118.8	131.4	131.4
42.5°	1083.4	849.5	284.4	108.0	81.0	72.0	72.0	93.6	120.6	142.2	144.0
45°	1157.2	890.9	250.2	108.0	79.2	68.4	75.6	93.6	106.2	156.6	167.4
47.5°	1276.0	966.5	217.8	108.0	79.2	66.6	70.2	91.8	111.6	180.0	187.2
50°	1394.8	1042.1	203.4	108.0	79.2	64.8	79.2	88.2	111.6	187.2	192.6
52.5°	1520.8	1135.6	194.4	108.0	79.2	68.4	86.4	106.2	120.6	167.4	165.6
55°	1650.4	1218.4	189.0	111.6	79.2	68.4	93.6	99.0	102.6	129.6	133.2
57.5°	1770.9	1319.2	199.8	111.6	77.4	72.0	88.2	97.2	90.0	113.4	115.2
60°	1866.3	1411.0	226.8	108.0	75.6	72.0	90.0	106.2	100.8	124.2	127.8
62.5°	1976.1	1508.2	289.8	109.8	75.6	73.8	100.8	115.2	102.6	122.4	129.6
65°	2120.1	1655.8	359.9	120.6	77.4	77.4	102.6	124.2	102.6	120.6	120.6
67.5°	2282.1	1792.5	359.9	140.4	82.8	82.8	102.6	131.4	109.8	120.6	120.6
70°	2400.9	1799.7	297.0	154.8	90.0	88.2	106.2	136.8	111.6	133.2	131.4
72.5°	2269.5	1603.6	246.6	153.0	97.2	91.8	120.6	140.4	113.4	151.2	149.4
75°	1992.3	1322.8	214.2	136.8	88.2	93.6	126.0	144.0	115.2	158.4	154.8
77.5°	1571.2	964.7	181.8	115.2	77.4	90.0	129.6	147.6	118.8	167.4	165.6
80°	761.3	484.1	147.6	97.2	70.2	86.4	129.6	145.8	117.0	172.8	172.8
82.5°	343.8	241.2	100.8	66.6	70.2	88.2	133.2	147.6	117.0	169.2	167.4
85°	223.2	165.6	64.8	52.2	70.2	100.8	135.0	140.4	111.6	156.6	156.6
87.5°	167.4	115.2	34.2	32.4	77.4	109.8	135.0	129.6	108.0	147.6	144.0
90°	171.0	122.4	36.0	32.4	82.8	111.6	135.0	127.8	104.4	133.2	133.2
92.5°	185.4	135.0	41.4	36.0	84.6	100.8	127.8	115.2	97.2	115.2	113.4
95°	201.6	151.2	48.6	41.4	73.8	73.8	100.8	93.6	82.8	88.2	88.2
97.5°	147.6	108.0	43.2	45.0	55.8	46.8	66.6	63.0	43.2	39.6	37.8
100°	43.2	36.0	39.6	43.2	39.6	34.2	50.4	48.6	28.8	14.4	14.4
102.5°	16.2	18.0	36.0	39.6	30.6	25.2	36.0	39.6	23.4	3.6	5.4
105°	14.4	12.6	25.2	30.6	18.0	14.4	18.0	25.2	14.4	3.6	3.6
107.5°	16.2	12.6	12.6	16.2	7.2	7.2	7.2	9.0	5.4	3.6	3.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.2	12.6	7.2	7.2	5.4	5.4	3.6	3.6	5.4	9.0	9.0
115°	18.0	14.4	7.2	5.4	3.6	5.4	3.6	1.8	5.4	12.6	12.6
117.5°	21.6	16.2	5.4	5.4	3.6	3.6	3.6	1.8	5.4	16.2	18.0
120°	27.0	19.8	7.2	3.6	3.6	3.6	3.6	1.8	7.2	18.0	19.8
122.5°	27.0	21.6	7.2	3.6	3.6	1.8	1.8	3.6	7.2	18.0	19.8
125°	25.2	19.8	7.2	3.6	3.6	1.8	1.8	1.8	9.0	18.0	19.8
127.5°	19.8	18.0	7.2	3.6	1.8	1.8	1.8	3.6	7.2	16.2	16.2
130°	16.2	14.4	5.4	3.6	1.8	1.8	1.8	1.8	7.2	12.6	14.4
132.5°	12.6	10.8	5.4	3.6	1.8	1.8	1.8	1.8	7.2	12.6	12.6
135°	9.0	9.0	3.6	1.8	1.8	1.8	1.8	1.8	5.4	9.0	10.8
137.5°	3.6	3.6	3.6	1.8	1.8	1.8	1.8	1.8	3.6	5.4	5.4
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	3.6	3.6
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	3.6
145°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
150°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
152.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	3.6	3.6
155°	5.4	5.4	5.4	3.6	1.8	0.0	0.0	0.0	1.8	1.8	3.6
157.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	1.8	1.8	1.8
160°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	1.8	1.8	1.8
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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110°	16.2	16.2	3.6	3.6	3.6	5.4	3.6	3.6	5.4	7.2	18.0
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110°	16.2	12.6	7.2	7.2	5.4	5.4	5.4	3.6	3.6	3.6	3.6
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(END OF REPORT)