

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: P560354

Luminaire Tested: **SDL-PA1-40-730-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560354
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-PA1-40-730-U-SL3-A
Description: Springdale
(1) 70 CRI, 3000K, 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: 4201.8 lumens
Efficiency: N/A
Efficacy: 106.6 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



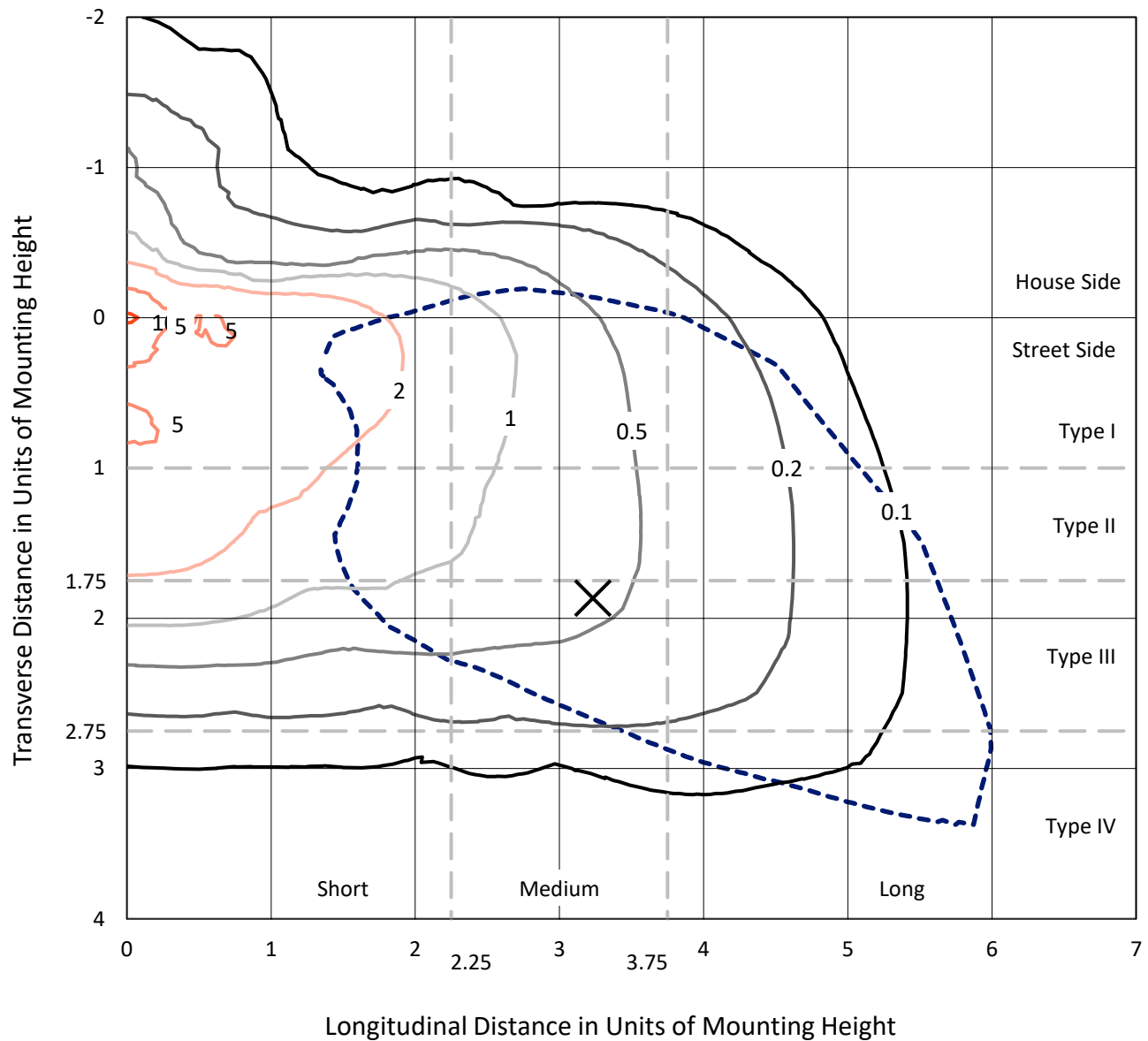
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



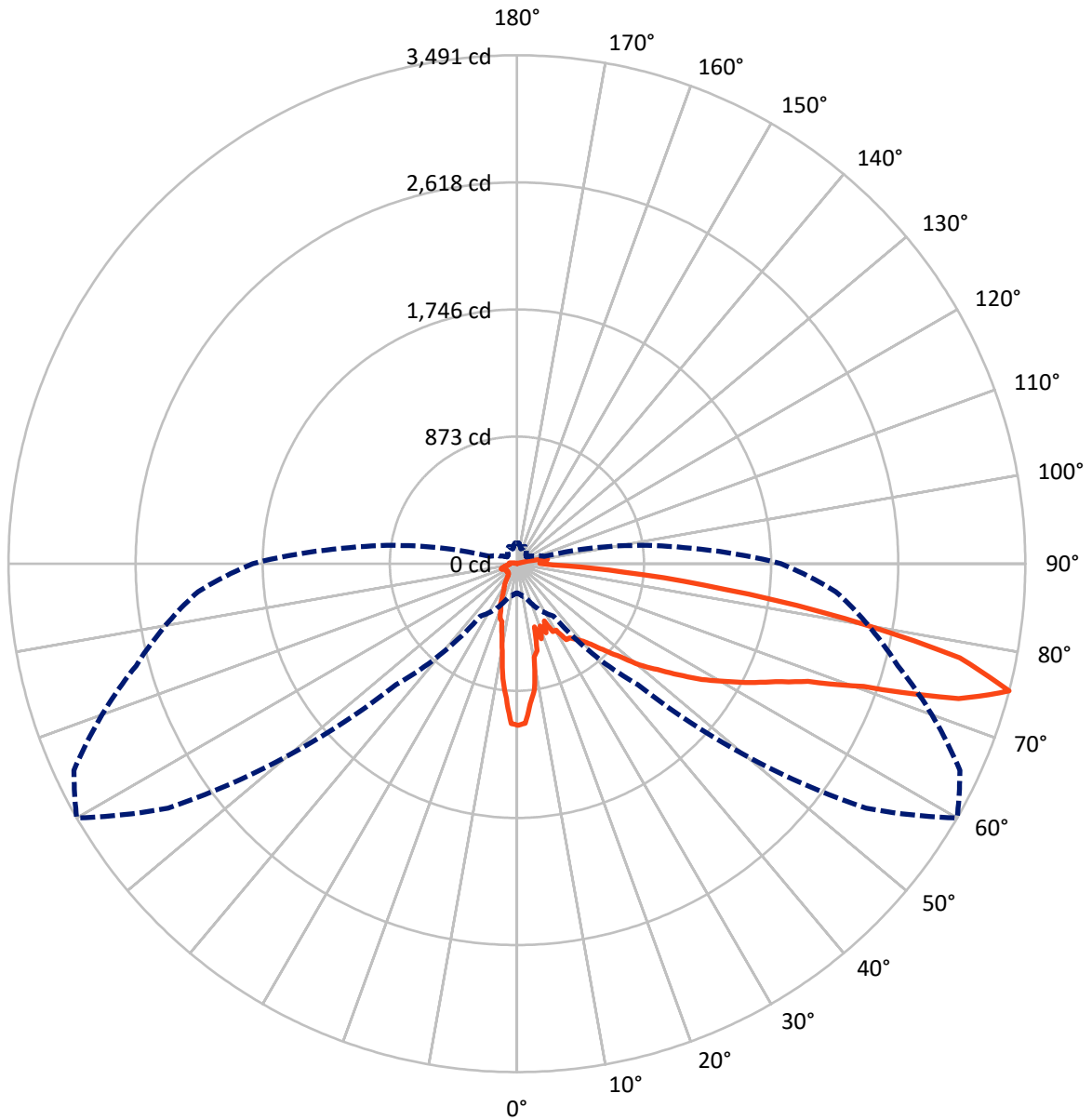
Based on 10 foot mounting height. Maximum calculated value = 11.1 fc

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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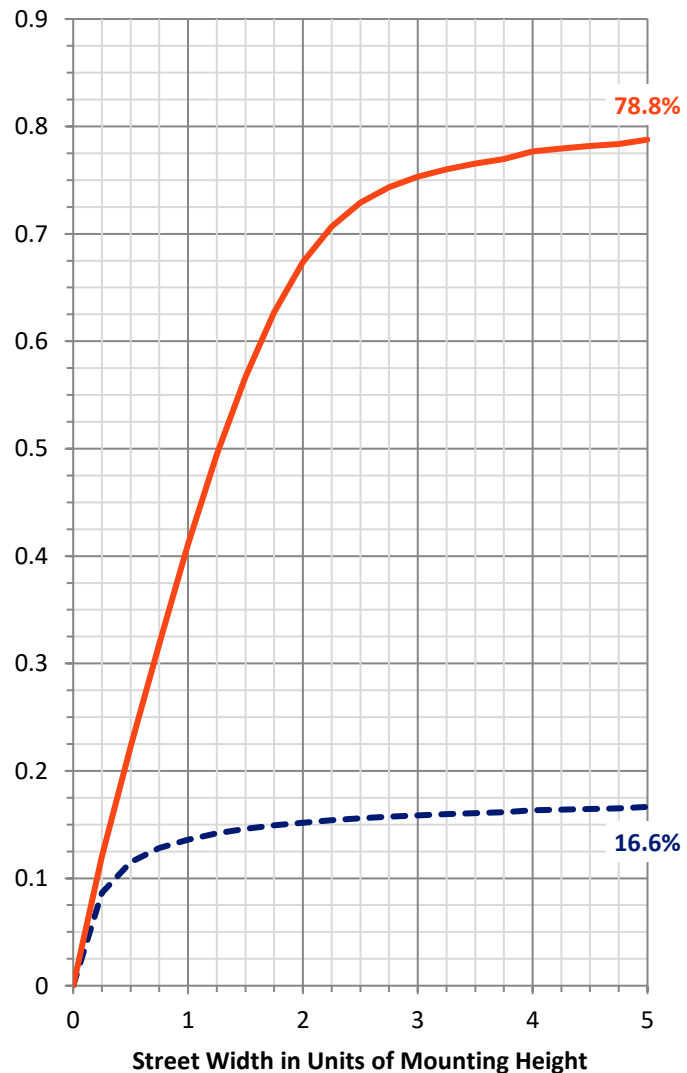
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	737.6	55.9	793.5
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	3349.1	59.1	3408.2
	% Fixture	79.7	1.4	81.1
Total	Lumens	4086.7	115.0	4201.8
	% Fixture	97.3	2.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	1.9
10°-20°	145.3	3.5
20°-30°	188.3	4.5
30°-40°	313.8	7.5
40°-50°	502.5	12.0
50°-60°	771.4	18.4
60°-70°	963.9	22.9
70°-80°	879.2	20.9
80°-90°	240.6	5.7
90°-100°	80.8	1.9
100°-110°	18.4	0.4
110°-120°	5.8	0.1
120°-130°	5.4	0.1
130°-140°	2.6	0.1
140°-150°	1.1	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4086.7	97.3
0°-180°	4201.8	100.0



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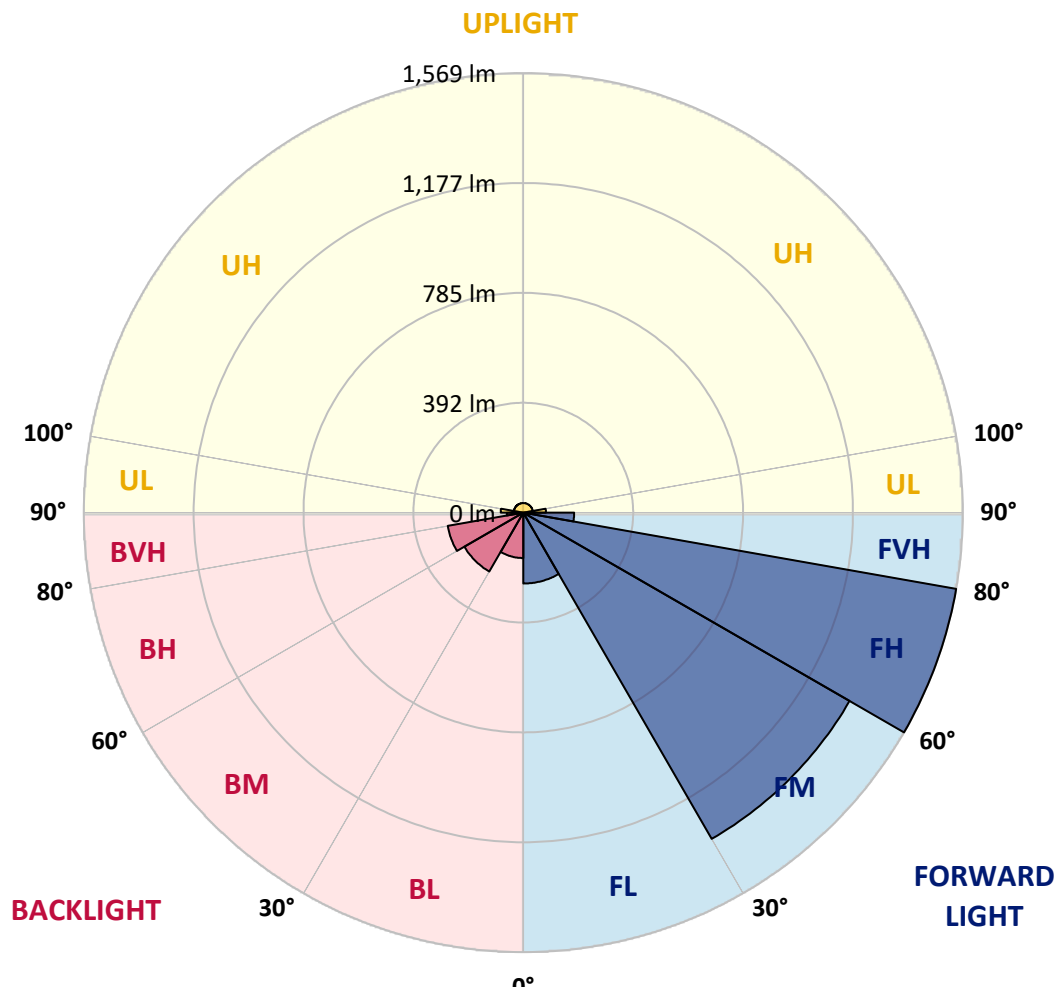
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.1	6.0			
FM	(30°-60°)	1345.0	32.0			
FH	(60°-80°)	1569.4	37.4			G1/1800
FVH	(80°-90°)	181.5	4.3			G2/225
BL	(0°-30°)	162.2	3.9	B1/500		
BM	(30°-60°)	242.7	5.8	B1/1000		
BH	(60°-80°)	273.7	6.5	B1/500		G1/500
BVH	(80°-90°)	59.0	1.4			G1/100
UL	(90°-100°)	80.8	1.9		U3/500	
UH	(100°-180°)	34.3	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°	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6
2.5°	931.0	1017.9	1009.7	1076.9	1076.9	1091.6	1098.2	1096.5	1103.1	1109.6	1108.0
5°	857.2	858.9	865.4	880.2	885.1	890.0	906.4	963.8	1060.5	1083.4	1083.4
7.5°	708.1	747.4	796.6	804.8	834.3	849.0	867.1	870.3	804.8	922.8	934.3
10°	717.9	719.5	716.3	734.3	713.0	704.8	647.4	650.7	657.3	701.5	790.0
12.5°	562.2	595.0	665.5	698.2	645.8	588.4	585.1	613.0	624.5	558.9	696.6
15°	642.5	645.8	647.4	649.1	481.9	558.9	488.4	449.1	503.2	634.3	721.2
17.5°	503.2	506.5	583.5	581.9	531.1	429.4	531.1	542.5	521.2	539.2	603.2
20°	590.1	591.7	586.8	455.7	465.5	526.1	457.3	455.7	481.9	621.2	701.5
22.5°	485.2	478.6	477.0	521.2	473.7	506.5	444.2	514.7	558.9	554.0	529.4
25°	608.1	606.4	581.9	454.0	485.2	429.4	519.6	436.0	483.5	670.4	701.5
27.5°	568.8	545.8	504.8	524.5	452.4	503.2	462.2	527.8	557.3	688.4	813.0
30°	735.9	719.5	672.0	529.4	499.9	463.9	495.0	529.4	634.3	886.7	929.3
32.5°	972.0	953.9	783.5	649.1	524.5	549.1	521.2	621.2	699.9	904.8	937.5
35°	1044.1	1019.5	935.9	786.7	601.5	583.5	555.6	626.1	709.7	952.3	952.3
37.5°	1085.1	1083.4	1044.1	868.7	678.6	668.7	598.3	657.3	749.0	998.2	988.3
40°	1091.6	1099.8	1117.8	940.8	770.4	749.0	654.0	699.9	804.8	1053.9	1034.2
42.5°	1145.7	1160.4	1201.4	1035.9	862.1	842.5	719.5	762.2	865.4	1135.9	1130.9
45°	1232.6	1247.3	1283.4	1140.8	942.5	929.3	826.1	852.3	963.8	1280.1	1234.2
47.5°	1412.9	1416.1	1401.4	1227.7	1029.3	1029.3	929.3	953.9	1052.3	1412.9	1368.6
50°	1593.2	1573.5	1507.9	1330.9	1116.2	1140.8	1035.9	1093.2	1152.3	1547.3	1486.6
52.5°	1693.1	1689.9	1601.4	1409.6	1191.6	1239.1	1158.8	1208.0	1244.0	1683.3	1598.1
55°	1696.4	1691.5	1630.9	1447.3	1262.1	1340.7	1281.7	1345.7	1371.9	1789.8	1750.5
57.5°	1642.3	1655.4	1624.3	1468.6	1296.5	1439.1	1430.9	1499.7	1512.8	1916.1	1855.4
60°	1557.1	1555.5	1593.2	1488.3	1348.9	1532.5	1568.6	1639.1	1709.5	2012.8	1948.8
62.5°	1344.0	1358.8	1465.3	1488.3	1406.3	1653.8	1722.6	1796.4	1883.3	2101.3	2032.4
65°	1052.3	1060.5	1227.7	1380.1	1422.7	1816.1	1878.4	1952.1	2043.9	2191.4	2125.9
67.5°	636.0	690.0	834.3	1135.9	1339.1	2011.1	2125.9	2157.0	2209.4	2293.0	2263.5
70°	362.2	378.6	447.5	714.6	1117.8	2073.4	2581.5	2525.8	2471.7	2491.4	2435.6
72.5°	275.4	285.2	316.3	422.9	668.7	1830.8	2965.0	3171.6	2938.8	2697.9	2430.7
75°	200.0	209.8	240.9	340.9	439.3	1173.6	2925.7	3491.2	3356.8	2707.7	2198.0
77.5°	124.6	126.2	144.2	290.1	395.0	588.4	2289.8	3109.3	3168.3	2529.1	1822.6
80°	86.9	88.5	91.8	155.7	363.9	472.0	1537.4	2283.2	2366.8	1760.3	929.3
82.5°	62.3	65.6	68.8	91.8	236.0	450.7	957.2	1437.4	1267.0	637.6	377.0
85°	32.8	36.1	44.3	55.7	95.1	490.1	573.7	731.0	578.6	259.0	224.6
87.5°	13.1	11.5	9.8	14.8	26.2	188.5	222.9	245.9	190.1	145.9	178.7
90°	11.5	9.8	6.6	8.2	11.5	67.2	141.0	157.3	131.1	142.6	180.3
92.5°	11.5	9.8	6.6	6.6	11.5	67.2	168.8	172.1	136.0	145.9	188.5
95°	11.5	11.5	6.6	6.6	11.5	60.6	200.0	196.7	141.0	154.1	200.0
97.5°	11.5	11.5	4.9	6.6	11.5	41.0	206.5	213.1	137.7	109.8	165.5
100°	11.5	11.5	4.9	4.9	9.8	26.2	144.2	155.7	101.6	36.1	41.0
102.5°	11.5	11.5	4.9	4.9	6.6	18.0	63.9	77.0	60.6	11.5	13.1
105°	11.5	13.1	3.3	3.3	4.9	9.8	27.9	31.1	24.6	8.2	14.8
107.5°	13.1	14.8	3.3	3.3	3.3	4.9	9.8	11.5	6.6	6.6	14.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	11.5	9.8	1.6	3.3	3.3	3.3	3.3	3.3	3.3	6.6	16.4
115°	6.6	4.9	1.6	3.3	3.3	3.3	1.6	3.3	4.9	6.6	14.8
117.5°	6.6	4.9	1.6	1.6	1.6	3.3	1.6	1.6	4.9	8.2	18.0
120°	4.9	4.9	1.6	1.6	1.6	1.6	1.6	3.3	3.3	11.5	24.6
122.5°	4.9	4.9	1.6	1.6	1.6	1.6	1.6	3.3	3.3	11.5	24.6
125°	6.6	6.6	3.3	1.6	1.6	1.6	1.6	3.3	3.3	9.8	22.9
127.5°	4.9	4.9	3.3	1.6	1.6	1.6	1.6	3.3	3.3	8.2	18.0
130°	4.9	4.9	3.3	1.6	1.6	1.6	1.6	3.3	1.6	8.2	14.8
132.5°	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	1.6	4.9	11.5
135°	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	1.6	3.3	8.2
137.5°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3
140°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
145°	1.6	1.6	1.6	1.6	3.3	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	1.6	1.6	1.6	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6
150°	3.3	3.3	6.6	4.9	3.3	1.6	1.6	1.6	1.6	1.6	1.6
152.5°	6.6	6.6	6.6	4.9	1.6	1.6	3.3	4.9	1.6	1.6	1.6
155°	4.9	4.9	4.9	1.6	1.6	1.6	1.6	1.6	3.3	4.9	4.9
157.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
160°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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°	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6
2.5°	1103.1	1106.4	1103.1	1099.8	1096.5	1086.7	1019.5	937.5	931.0	937.5	934.3
5°	1075.2	1075.2	1073.6	960.5	893.3	873.6	868.7	863.8	853.9	849.0	852.3
7.5°	927.7	922.8	865.4	763.8	827.7	804.8	791.7	785.1	686.8	650.7	654.0
10°	775.3	775.3	644.1	608.1	604.8	614.6	681.8	676.9	663.8	655.6	663.8
12.5°	668.7	696.6	511.4	547.4	444.2	491.7	537.6	570.4	470.4	442.5	447.5
15°	709.7	699.9	562.2	429.4	391.7	413.0	331.1	414.7	408.1	395.0	393.4
17.5°	619.6	568.8	468.8	403.2	386.8	291.8	283.6	293.4	268.8	245.9	257.3
20°	673.7	645.8	496.6	359.0	298.3	265.5	200.0	186.9	237.7	249.1	247.5
22.5°	562.2	468.8	406.5	357.3	240.9	190.1	150.8	165.5	177.0	188.5	193.4
25°	660.5	609.7	444.2	267.2	195.0	139.3	136.0	122.9	185.2	211.4	209.8
27.5°	762.2	690.0	427.8	250.8	141.0	119.7	109.8	124.6	129.5	145.9	155.7
30°	852.3	765.4	495.0	232.7	118.0	90.1	98.3	101.6	126.2	136.0	136.0
32.5°	849.0	744.1	442.5	198.3	96.7	82.0	82.0	96.7	111.5	134.4	136.0
35°	847.4	727.7	395.0	154.1	85.2	72.1	75.4	91.8	111.5	124.6	126.2
37.5°	867.1	722.8	347.5	124.6	77.0	68.8	72.1	86.9	119.7	132.8	132.8
40°	896.6	726.1	299.9	106.5	73.8	67.2	68.8	91.8	108.2	119.7	119.7
42.5°	986.7	773.6	259.0	98.3	73.8	65.6	65.6	85.2	109.8	129.5	131.1
45°	1053.9	811.3	227.8	98.3	72.1	62.3	68.8	85.2	96.7	142.6	152.4
47.5°	1162.1	880.2	198.3	98.3	72.1	60.6	63.9	83.6	101.6	163.9	170.5
50°	1270.3	949.0	185.2	98.3	72.1	59.0	72.1	80.3	101.6	170.5	175.4
52.5°	1385.0	1034.2	177.0	98.3	72.1	62.3	78.7	96.7	109.8	152.4	150.8
55°	1503.0	1109.6	172.1	101.6	72.1	62.3	85.2	90.1	93.4	118.0	121.3
57.5°	1612.8	1201.4	181.9	101.6	70.5	65.6	80.3	88.5	82.0	103.3	104.9
60°	1699.7	1285.0	206.5	98.3	68.8	65.6	82.0	96.7	91.8	113.1	116.4
62.5°	1799.7	1373.5	263.9	100.0	68.8	67.2	91.8	104.9	93.4	111.5	118.0
65°	1930.8	1507.9	327.8	109.8	70.5	70.5	93.4	113.1	93.4	109.8	109.8
67.5°	2078.3	1632.5	327.8	127.8	75.4	75.4	93.4	119.7	100.0	109.8	109.8
70°	2186.5	1639.1	270.4	141.0	82.0	80.3	96.7	124.6	101.6	121.3	119.7
72.5°	2066.8	1460.4	224.6	139.3	88.5	83.6	109.8	127.8	103.3	137.7	136.0
75°	1814.4	1204.7	195.0	124.6	80.3	85.2	114.7	131.1	104.9	144.2	141.0
77.5°	1430.9	878.5	165.5	104.9	70.5	82.0	118.0	134.4	108.2	152.4	150.8
80°	693.3	440.9	134.4	88.5	63.9	78.7	118.0	132.8	106.5	157.3	157.3
82.5°	313.1	219.6	91.8	60.6	63.9	80.3	121.3	134.4	106.5	154.1	152.4
85°	203.2	150.8	59.0	47.5	63.9	91.8	122.9	127.8	101.6	142.6	142.6
87.5°	152.4	104.9	31.1	29.5	70.5	100.0	122.9	118.0	98.3	134.4	131.1
90°	155.7	111.5	32.8	29.5	75.4	101.6	122.9	116.4	95.1	121.3	121.3
92.5°	168.8	122.9	37.7	32.8	77.0	91.8	116.4	104.9	88.5	104.9	103.3
95°	183.6	137.7	44.3	37.7	67.2	67.2	91.8	85.2	75.4	80.3	80.3
97.5°	134.4	98.3	39.3	41.0	50.8	42.6	60.6	57.4	39.3	36.1	34.4
100°	39.3	32.8	36.1	39.3	36.1	31.1	45.9	44.3	26.2	13.1	13.1
102.5°	14.8	16.4	32.8	36.1	27.9	22.9	32.8	36.1	21.3	3.3	4.9
105°	13.1	11.5	22.9	27.9	16.4	13.1	16.4	22.9	13.1	3.3	3.3
107.5°	14.8	11.5	11.5	14.8	6.6	6.6	6.6	8.2	4.9	3.3	3.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.8	11.5	6.6	6.6	4.9	4.9	3.3	3.3	4.9	8.2	8.2
115°	16.4	13.1	6.6	4.9	3.3	4.9	3.3	1.6	4.9	11.5	11.5
117.5°	19.7	14.8	4.9	4.9	3.3	3.3	3.3	1.6	4.9	14.8	16.4
120°	24.6	18.0	6.6	3.3	3.3	3.3	3.3	1.6	6.6	16.4	18.0
122.5°	24.6	19.7	6.6	3.3	3.3	1.6	1.6	3.3	6.6	16.4	18.0
125°	22.9	18.0	6.6	3.3	3.3	1.6	1.6	1.6	8.2	16.4	18.0
127.5°	18.0	16.4	6.6	3.3	1.6	1.6	1.6	3.3	6.6	14.8	14.8
130°	14.8	13.1	4.9	3.3	1.6	1.6	1.6	1.6	6.6	11.5	13.1
132.5°	11.5	9.8	4.9	3.3	1.6	1.6	1.6	1.6	6.6	11.5	11.5
135°	8.2	8.2	3.3	1.6	1.6	1.6	1.6	1.6	4.9	8.2	9.8
137.5°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	3.3	4.9	4.9
140°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	3.3	3.3
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	3.3
145°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
150°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
152.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	3.3	3.3
155°	4.9	4.9	4.9	3.3	1.6	0.0	0.0	0.0	1.6	1.6	3.3
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	1.6	1.6	1.6
160°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6
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°	14.8	14.8	3.3	3.3	3.3	4.9	3.3	3.3	4.9	6.6	16.4
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110°	14.8	11.5	6.6	6.6	4.9	4.9	4.9	3.3	3.3	3.3	3.3
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(END OF REPORT)