

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: P559804

Luminaire Tested: **SDL-PA1-100-727-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559804
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-PA1-100-727-U-SL3-A
Description: Springdale
(1) 70 CRI, 2700K, 1200mA 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: 8029.6 lumens
Efficiency: N/A
Efficacy: 85.6 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: B2 - U3 - G3

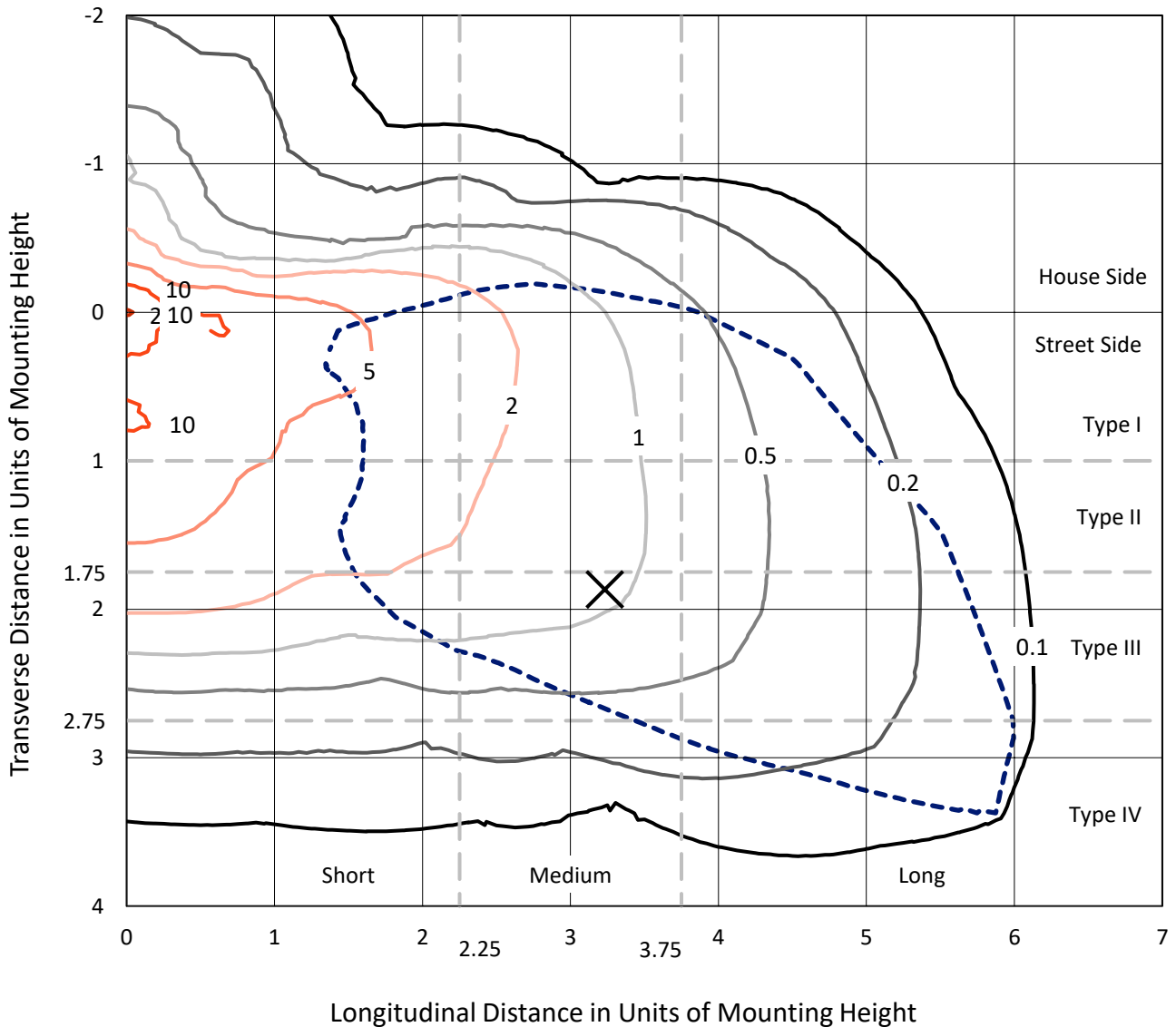
Input Watts (W): 93.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

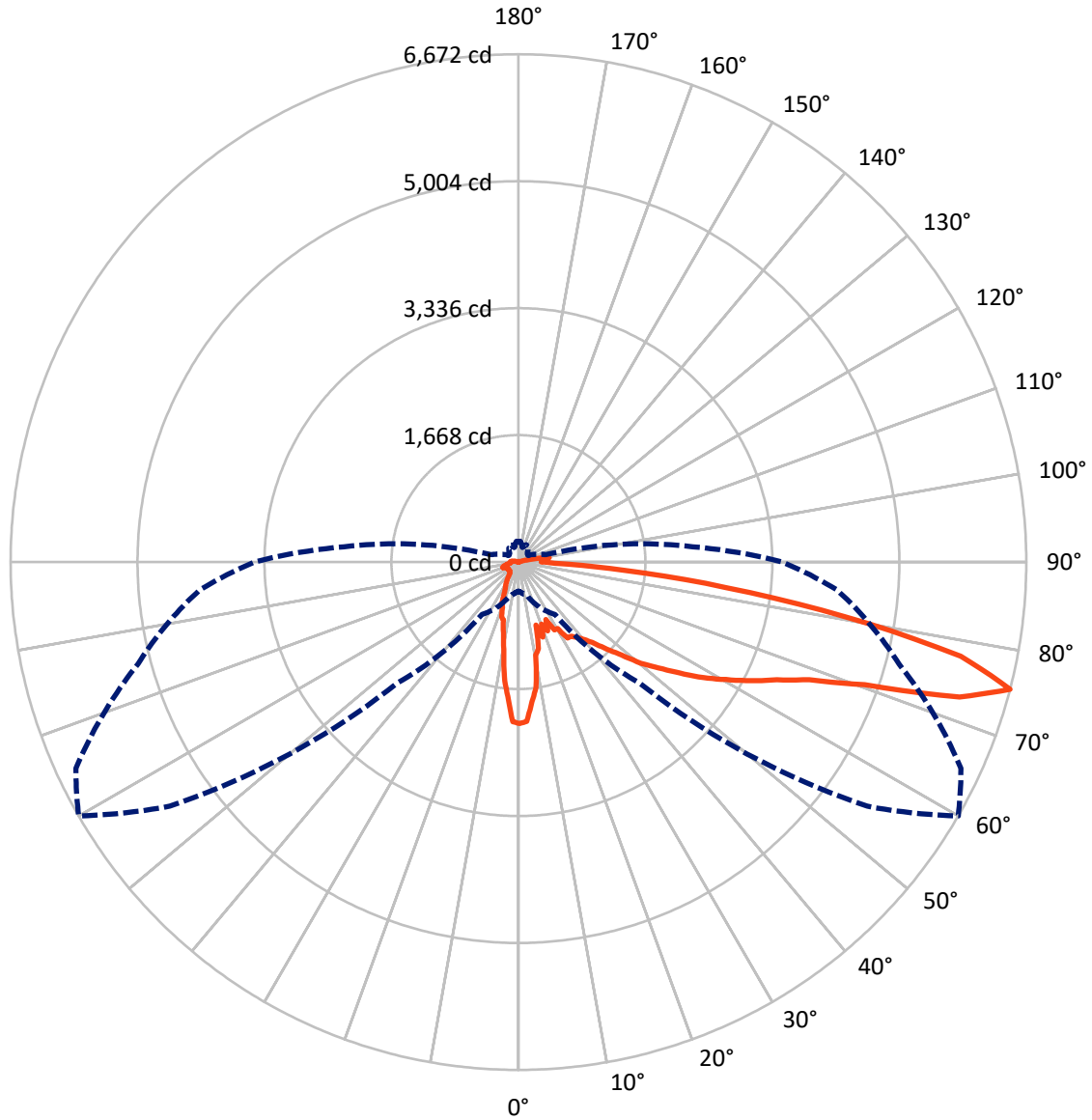
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.2 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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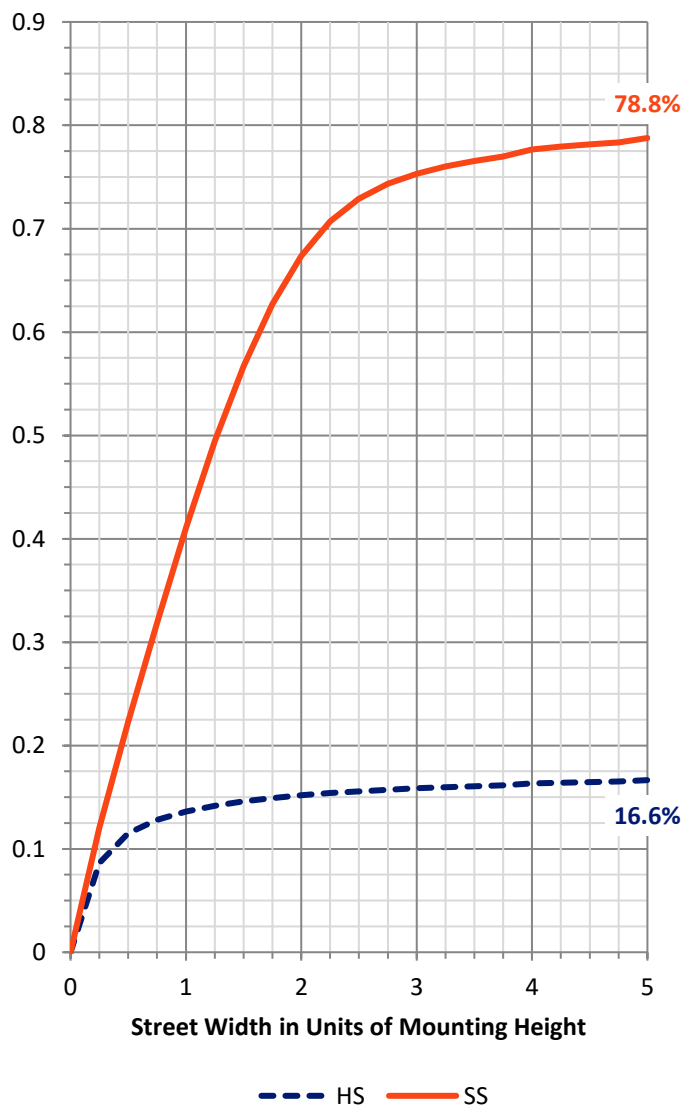
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1409.6	106.8	1516.5
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	6400.1	113.0	6513.1
	% Fixture	79.7	1.4	81.1
Total	Lumens	7809.7	219.9	8029.6
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.0	1.9
10°-20°	277.7	3.5
20°-30°	359.9	4.5
30°-40°	599.7	7.5
40°-50°	960.2	12.0
50°-60°	1474.2	18.4
60°-70°	1842.1	22.9
70°-80°	1680.1	20.9
80°-90°	459.7	5.7
90°-100°	154.4	1.9
100°-110°	35.1	0.4
110°-120°	11.1	0.1
120°-130°	10.4	0.1
130°-140°	4.9	0.1
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°	7809.7	97.3
0°-180°	8029.6	100.0

Coefficient of Utilization



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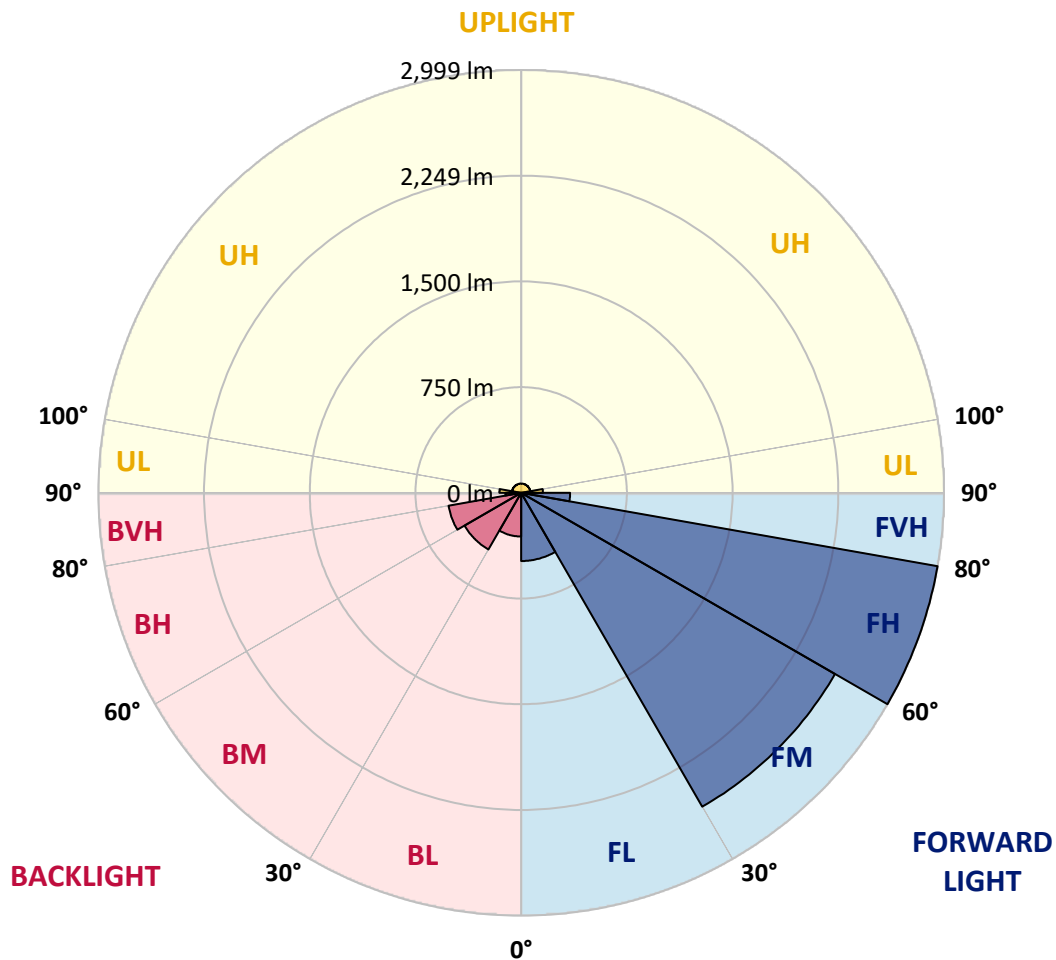
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.7	6.0			
FM (30°-60°)	2570.3	32.0			
FH (60°-80°)	2999.2	37.4			G2/5000
FVH (80°-90°)	346.9	4.3			G3/500
BL (0°-30°)	309.9	3.9	B1/500		
BM (30°-60°)	463.9	5.8	B1/1000		
BH (60°-80°)	523.0	6.5	B2/1000		G2/1000
BVH (80°-90°)	112.8	1.4			G2/225
UL (90°-100°)	154.4	1.9		U3/500	
UH (100°-180°)	65.5	0.8		U3/500	

BUG Rating: B2-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2120.5	2120.5	2120.5	2120.5	2120.5	2120.5	2120.5	2120.5	2120.5	2120.5	2120.5
2.5°	1779.1	1945.1	1929.4	2057.9	2057.9	2086.1	2098.6	2095.5	2108.0	2120.5	2117.4
5°	1638.1	1641.3	1653.8	1682.0	1691.4	1700.8	1732.1	1841.7	2026.5	2070.4	2070.4
7.5°	1353.1	1428.3	1522.3	1537.9	1594.3	1622.5	1656.9	1663.2	1537.9	1763.4	1785.4
10°	1371.9	1375.0	1368.8	1403.2	1362.5	1346.9	1237.2	1243.5	1256.0	1340.6	1509.7
12.5°	1074.3	1137.0	1271.7	1334.3	1234.1	1124.5	1118.2	1171.4	1193.4	1068.1	1331.2
15°	1227.8	1234.1	1237.2	1240.4	920.9	1068.1	933.4	858.2	961.6	1212.2	1378.2
17.5°	961.6	967.9	1115.1	1111.9	1014.8	820.6	1014.8	1036.8	996.0	1030.5	1152.7
20°	1127.6	1130.7	1121.3	870.8	889.5	1005.4	873.9	870.8	920.9	1187.1	1340.6
22.5°	927.1	914.6	911.5	996.0	905.2	967.9	848.8	983.5	1068.1	1058.7	1011.7
25°	1162.1	1158.9	1111.9	867.6	927.1	820.6	992.9	833.2	924.0	1281.1	1340.6
27.5°	1086.9	1043.0	964.7	1002.3	864.5	961.6	883.3	1008.6	1065.0	1315.5	1553.6
30°	1406.4	1375.0	1284.2	1011.7	955.3	886.4	945.9	1011.7	1212.2	1694.5	1776.0
32.5°	1857.4	1822.9	1497.2	1240.4	1002.3	1049.3	996.0	1187.1	1337.5	1729.0	1791.6
35°	1995.2	1948.2	1788.5	1503.5	1149.5	1115.1	1061.8	1196.5	1356.2	1819.8	1819.8
37.5°	2073.5	2070.4	1995.2	1660.1	1296.7	1277.9	1143.3	1256.0	1431.4	1907.5	1888.7
40°	2086.1	2101.7	2136.2	1797.9	1472.1	1431.4	1249.8	1337.5	1537.9	2014.0	1976.4
42.5°	2189.4	2217.6	2295.9	1979.6	1647.5	1610.0	1375.0	1456.5	1653.8	2170.6	2161.2
45°	2355.4	2383.6	2452.5	2180.0	1801.0	1776.0	1578.6	1628.8	1841.7	2446.3	2358.6
47.5°	2700.0	2706.2	2678.0	2346.0	1967.0	1967.0	1776.0	1822.9	2010.9	2700.0	2615.4
50°	3044.5	3006.9	2881.6	2543.4	2133.0	2180.0	1979.6	2089.2	2201.9	2956.8	2840.9
52.5°	3235.6	3229.3	3060.2	2693.7	2277.1	2368.0	2214.5	2308.4	2377.3	3216.8	3053.9
55°	3241.8	3232.4	3116.6	2765.7	2411.8	2562.2	2449.4	2571.5	2621.7	3420.4	3345.2
57.5°	3138.5	3163.5	3104.0	2806.5	2477.6	2750.1	2734.4	2866.0	2891.0	3661.6	3545.7
60°	2975.6	2972.5	3044.5	2844.0	2577.8	2928.6	2997.5	3132.2	3266.9	3846.4	3724.2
62.5°	2568.4	2596.6	2800.2	2844.0	2687.4	3160.4	3292.0	3432.9	3598.9	4015.5	3883.9
65°	2010.9	2026.5	2346.0	2637.3	2718.8	3470.5	3589.5	3730.5	3905.9	4187.8	4062.5
67.5°	1215.3	1318.7	1594.3	2170.6	2559.0	3843.2	4062.5	4122.0	4222.2	4382.0	4325.6
70°	692.2	723.5	855.1	1365.6	2136.2	3962.2	4933.2	4826.7	4723.4	4761.0	4654.5
72.5°	526.2	545.0	604.5	808.1	1277.9	3498.7	5666.2	6060.8	5616.1	5155.6	4645.1
75°	382.1	400.9	460.4	651.5	839.4	2242.7	5591.0	6671.6	6414.8	5174.4	4200.3
77.5°	238.0	241.2	275.6	554.4	754.9	1124.5	4375.7	5941.8	6054.6	4833.0	3483.0
80°	166.0	169.1	175.4	297.6	695.4	902.1	2938.0	4363.2	4522.9	3364.0	1776.0
82.5°	119.0	125.3	131.6	175.4	451.0	861.4	1829.2	2747.0	2421.2	1218.4	720.4
85°	62.6	68.9	84.6	106.5	181.7	936.5	1096.3	1397.0	1105.7	494.9	429.1
87.5°	25.1	21.9	18.8	28.2	50.1	360.2	426.0	469.8	363.3	278.8	341.4
90°	21.9	18.8	12.5	15.7	21.9	128.4	269.4	300.7	250.6	272.5	344.5
92.5°	21.9	18.8	12.5	12.5	21.9	128.4	322.6	328.9	260.0	278.8	360.2
95°	21.9	21.9	12.5	12.5	21.9	115.9	382.1	375.9	269.4	294.4	382.1
97.5°	21.9	21.9	9.4	12.5	21.9	78.3	394.7	407.2	263.1	209.9	316.4
100°	21.9	21.9	9.4	9.4	18.8	50.1	275.6	297.6	194.2	68.9	78.3
102.5°	21.9	21.9	9.4	9.4	12.5	34.5	122.2	147.2	115.9	21.9	25.1
105°	21.9	25.1	6.3	6.3	9.4	18.8	53.2	59.5	47.0	15.7	28.2
107.5°	25.1	28.2	6.3	6.3	6.3	9.4	18.8	21.9	12.5	12.5	28.2
110°	28.2	28.2	6.3	6.3	6.3	9.4	6.3	6.3	9.4	12.5	31.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	21.9	18.8	3.1	6.3	6.3	6.3	6.3	6.3	6.3	12.5	31.3
115°	12.5	9.4	3.1	6.3	6.3	6.3	3.1	6.3	9.4	12.5	28.2
117.5°	12.5	9.4	3.1	3.1	3.1	6.3	3.1	3.1	9.4	15.7	34.5
120°	9.4	9.4	3.1	3.1	3.1	3.1	3.1	6.3	6.3	21.9	47.0
122.5°	9.4	9.4	3.1	3.1	3.1	3.1	3.1	6.3	6.3	21.9	47.0
125°	12.5	12.5	6.3	3.1	3.1	3.1	3.1	6.3	6.3	18.8	43.9
127.5°	9.4	9.4	6.3	3.1	3.1	3.1	3.1	6.3	6.3	15.7	34.5
130°	9.4	9.4	6.3	3.1	3.1	3.1	3.1	6.3	3.1	15.7	28.2
132.5°	9.4	9.4	6.3	3.1	3.1	3.1	3.1	3.1	3.1	9.4	21.9
135°	9.4	9.4	6.3	3.1	3.1	3.1	3.1	3.1	3.1	6.3	15.7
137.5°	6.3	6.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.3
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°	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	6.3	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	6.3	6.3	6.3	3.1	3.1	3.1	3.1	3.1
150°	6.3	6.3	12.5	9.4	6.3	3.1	3.1	3.1	3.1	3.1	3.1
152.5°	12.5	12.5	12.5	9.4	3.1	3.1	6.3	9.4	3.1	3.1	3.1
155°	9.4	9.4	9.4	3.1	3.1	3.1	3.1	3.1	6.3	9.4	9.4
157.5°	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
160°	0.0	0.0	0.0	3.1	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°	2120.5	2120.5	2120.5	2120.5	2120.5	2120.5	2120.5	2120.5	2120.5	2120.5	2120.5
2.5°	2108.0	2114.2	2108.0	2101.7	2095.5	2076.7	1948.2	1791.6	1779.1	1791.6	1785.4
5°	2054.7	2054.7	2051.6	1835.5	1707.1	1669.5	1660.1	1650.7	1631.9	1622.5	1628.8
7.5°	1772.8	1763.4	1653.8	1459.6	1581.8	1537.9	1512.9	1500.3	1312.4	1243.5	1249.8
10°	1481.5	1481.5	1231.0	1162.1	1155.8	1174.6	1303.0	1293.6	1268.5	1252.9	1268.5
12.5°	1277.9	1331.2	977.3	1046.2	848.8	939.7	1027.4	1090.0	898.9	845.7	855.1
15°	1356.2	1337.5	1074.3	820.6	748.6	789.3	632.7	792.4	779.9	754.9	751.7
17.5°	1184.0	1086.9	895.8	770.5	739.2	557.5	541.9	560.7	513.7	469.8	491.8
20°	1287.3	1234.1	949.1	686.0	570.1	507.4	382.1	357.1	454.2	476.1	473.0
22.5°	1074.3	895.8	776.8	682.8	460.4	363.3	288.2	316.4	338.3	360.2	369.6
25°	1262.3	1165.2	848.8	510.6	372.7	266.2	260.0	234.9	353.9	404.1	400.9
27.5°	1456.5	1318.7	817.5	479.2	269.4	228.7	209.9	238.0	247.4	278.8	297.6
30°	1628.8	1462.7	945.9	444.8	225.5	172.3	187.9	194.2	241.2	260.0	260.0
32.5°	1622.5	1422.0	845.7	379.0	184.8	156.6	156.6	184.8	213.0	256.8	260.0
35°	1619.4	1390.7	754.9	294.4	162.9	137.8	144.1	175.4	213.0	238.0	241.2
37.5°	1656.9	1381.3	664.0	238.0	147.2	131.6	137.8	166.0	228.7	253.7	253.7
40°	1713.3	1387.6	573.2	203.6	140.9	128.4	131.6	175.4	206.7	228.7	228.7
42.5°	1885.6	1478.4	494.9	187.9	140.9	125.3	125.3	162.9	209.9	247.4	250.6
45°	2014.0	1550.4	435.4	187.9	137.8	119.0	131.6	162.9	184.8	272.5	291.3
47.5°	2220.7	1682.0	379.0	187.9	137.8	115.9	122.2	159.7	194.2	313.2	325.8
50°	2427.5	1813.6	353.9	187.9	137.8	112.8	137.8	153.5	194.2	325.8	335.1
52.5°	2646.7	1976.4	338.3	187.9	137.8	119.0	150.3	184.8	209.9	291.3	288.2
55°	2872.2	2120.5	328.9	194.2	137.8	119.0	162.9	172.3	178.5	225.5	231.8
57.5°	3082.1	2295.9	347.7	194.2	134.7	125.3	153.5	169.1	156.6	197.3	200.5
60°	3248.1	2455.7	394.7	187.9	131.6	125.3	156.6	184.8	175.4	216.1	222.4
62.5°	3439.2	2624.8	504.3	191.1	131.6	128.4	175.4	200.5	178.5	213.0	225.5
65°	3689.7	2881.6	626.4	209.9	134.7	134.7	178.5	216.1	178.5	209.9	209.9
67.5°	3971.6	3119.7	626.4	244.3	144.1	144.1	178.5	228.7	191.1	209.9	209.9
70°	4178.4	3132.2	516.8	269.4	156.6	153.5	184.8	238.0	194.2	231.8	228.7
72.5°	3949.7	2790.8	429.1	266.2	169.1	159.7	209.9	244.3	197.3	263.1	260.0
75°	3467.4	2302.2	372.7	238.0	153.5	162.9	219.3	250.6	200.5	275.6	269.4
77.5°	2734.4	1678.9	316.4	200.5	134.7	156.6	225.5	256.8	206.7	291.3	288.2
80°	1324.9	842.6	256.8	169.1	122.2	150.3	225.5	253.7	203.6	300.7	300.7
82.5°	598.3	419.7	175.4	115.9	122.2	153.5	231.8	256.8	203.6	294.4	291.3
85°	388.4	288.2	112.8	90.8	122.2	175.4	234.9	244.3	194.2	272.5	272.5
87.5°	291.3	200.5	59.5	56.4	134.7	191.1	234.9	225.5	187.9	256.8	250.6
90°	297.6	213.0	62.6	56.4	144.1	194.2	234.9	222.4	181.7	231.8	231.8
92.5°	322.6	234.9	72.0	62.6	147.2	175.4	222.4	200.5	169.1	200.5	197.3
95°	350.8	263.1	84.6	72.0	128.4	128.4	175.4	162.9	144.1	153.5	153.5
97.5°	256.8	187.9	75.2	78.3	97.1	81.4	115.9	109.6	75.2	68.9	65.8
100°	75.2	62.6	68.9	75.2	68.9	59.5	87.7	84.6	50.1	25.1	25.1
102.5°	28.2	31.3	62.6	68.9	53.2	43.9	62.6	68.9	40.7	6.3	9.4
105°	25.1	21.9	43.9	53.2	31.3	25.1	31.3	43.9	25.1	6.3	6.3
107.5°	28.2	21.9	21.9	28.2	12.5	12.5	12.5	15.7	9.4	6.3	6.3
110°	28.2	21.9	12.5	12.5	9.4	9.4	9.4	6.3	6.3	6.3	6.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.2	21.9	12.5	12.5	9.4	9.4	6.3	6.3	9.4	15.7	15.7
115°	31.3	25.1	12.5	9.4	6.3	9.4	6.3	3.1	9.4	21.9	21.9
117.5°	37.6	28.2	9.4	9.4	6.3	6.3	6.3	3.1	9.4	28.2	31.3
120°	47.0	34.5	12.5	6.3	6.3	6.3	6.3	3.1	12.5	31.3	34.5
122.5°	47.0	37.6	12.5	6.3	6.3	3.1	3.1	6.3	12.5	31.3	34.5
125°	43.9	34.5	12.5	6.3	6.3	3.1	3.1	3.1	15.7	31.3	34.5
127.5°	34.5	31.3	12.5	6.3	3.1	3.1	3.1	6.3	12.5	28.2	28.2
130°	28.2	25.1	9.4	6.3	3.1	3.1	3.1	3.1	12.5	21.9	25.1
132.5°	21.9	18.8	9.4	6.3	3.1	3.1	3.1	3.1	12.5	21.9	21.9
135°	15.7	15.7	6.3	3.1	3.1	3.1	3.1	3.1	9.4	15.7	18.8
137.5°	6.3	6.3	6.3	3.1	3.1	3.1	3.1	3.1	6.3	9.4	9.4
140°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	6.3	6.3
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.3
145°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
150°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
152.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	6.3	6.3
155°	9.4	9.4	9.4	6.3	3.1	0.0	0.0	0.0	3.1	3.1	6.3
157.5°	3.1	3.1	3.1	3.1	3.1	3.1	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	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

(END OF REPORT)