

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: P560684

Luminaire Tested: **SDL-PA1-60-727-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560684
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-PA1-60-727-U-SL3-A
Description: Springdale
(1) 70 CRI, 2700K, 800mA 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: 5832.7 lumens
Efficiency: N/A
Efficacy: 93.5 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 - G3

Input Watts (W): 62.4
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

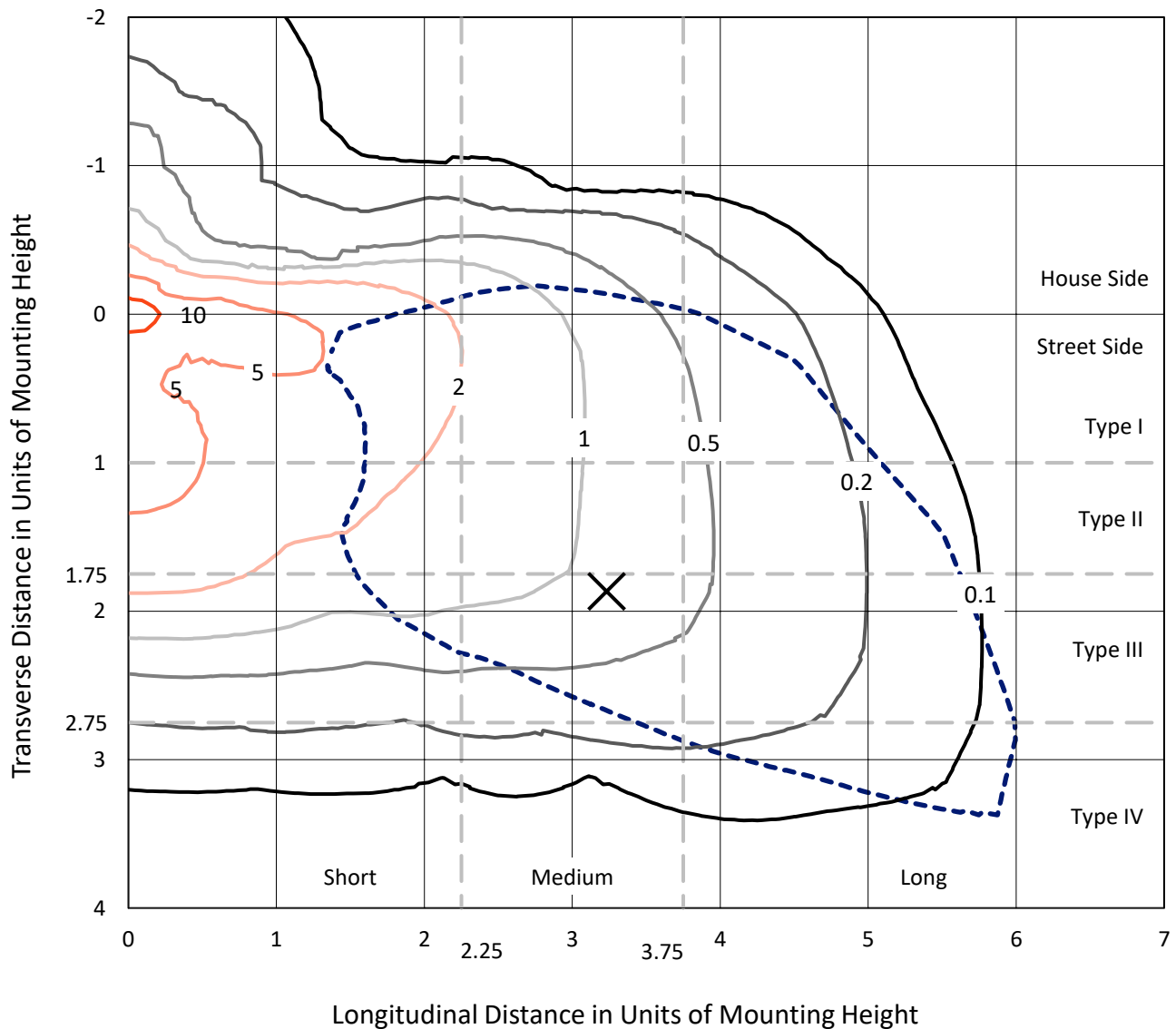


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

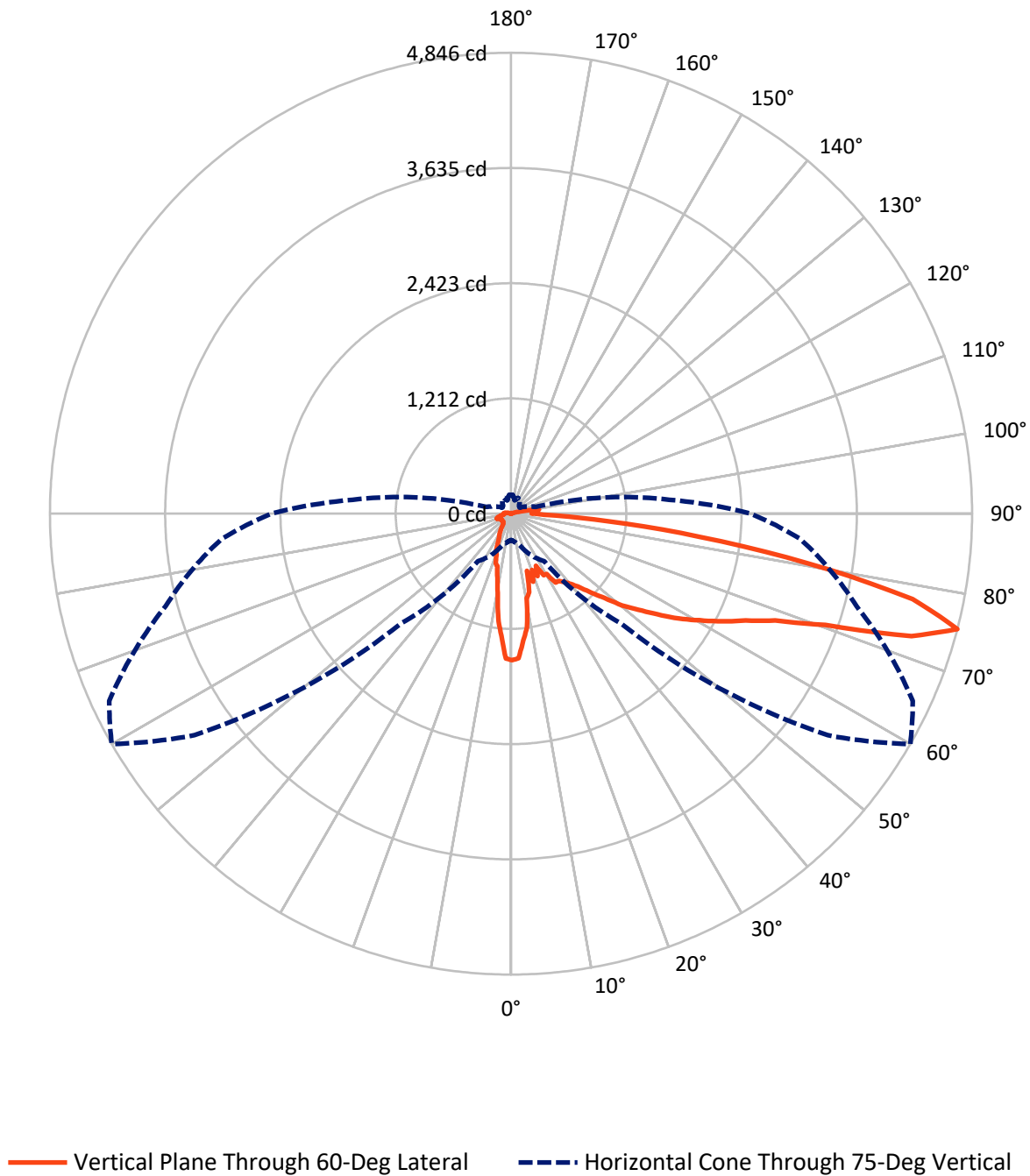


Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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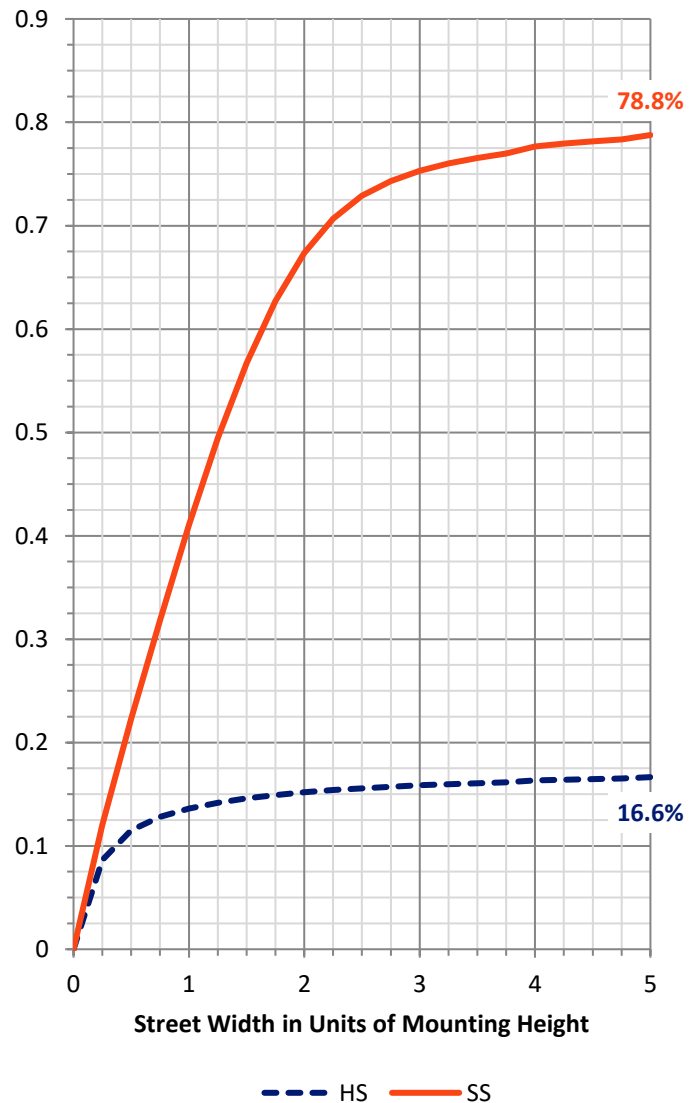
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1024.0	77.7	1101.6
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	4648.9	82.2	4731.1
	% Fixture	79.7	1.4	81.1
Total	Lumens	5672.9	159.8	5832.7
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	1.9
10°-20°	201.7	3.5
20°-30°	261.4	4.5
30°-40°	435.6	7.5
40°-50°	697.5	12.0
50°-60°	1070.9	18.4
60°-70°	1338.1	22.9
70°-80°	1220.4	20.9
80°-90°	334.0	5.7
90°-100°	112.1	1.9
100°-110°	25.5	0.4
110°-120°	8.1	0.1
120°-130°	7.6	0.1
130°-140°	3.6	0.1
140°-150°	1.5	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5672.9	97.3
0°-180°	5832.7	100.0

Coefficient of Utilization



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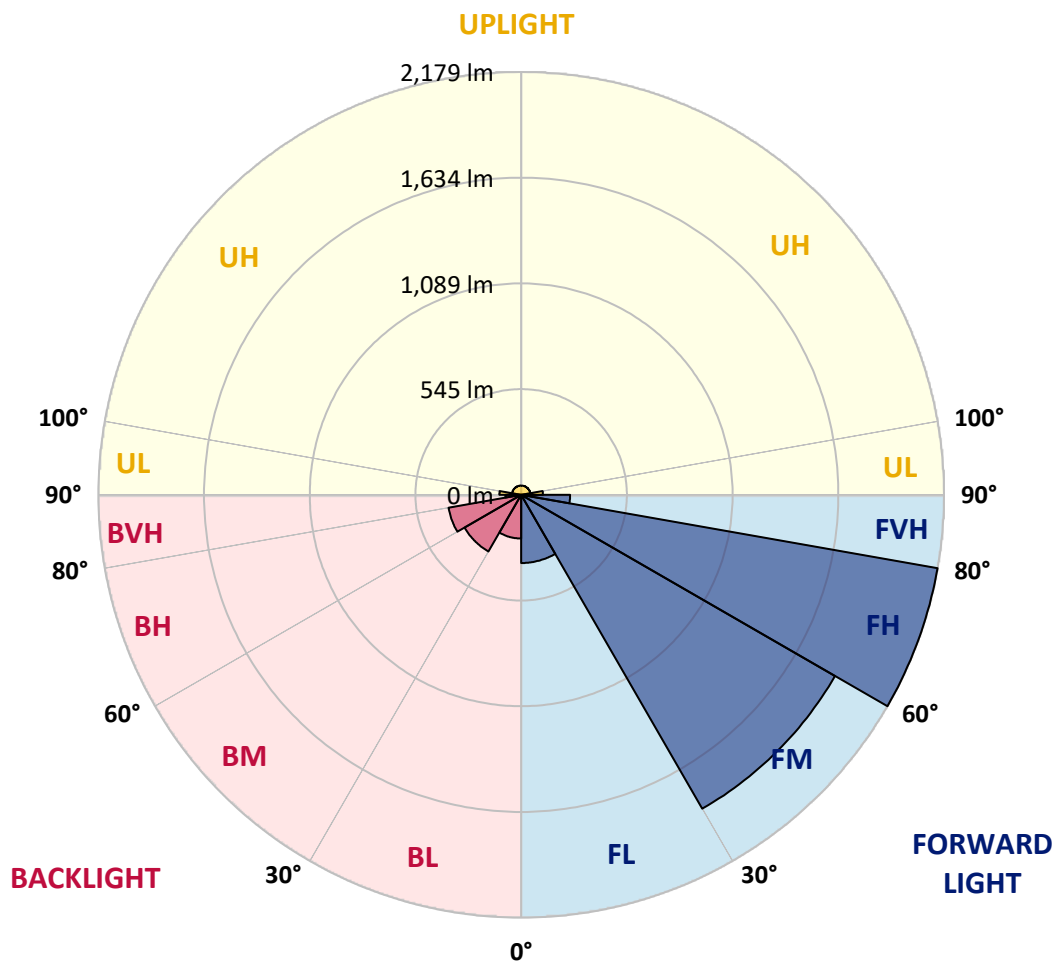
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	351.3	6.0			
FM	(30°-60°)	1867.1	32.0			
FH	(60°-80°)	2178.5	37.4			G2/5000
FVH	(80°-90°)	252.0	4.3			G3/500
BL	(0°-30°)	225.1	3.9	B1/500		
BM	(30°-60°)	337.0	5.8	B1/1000		
BH	(60°-80°)	379.9	6.5	B1/500		G1/500
BVH	(80°-90°)	81.9	1.4			G1/100
UL	(90°-100°)	112.1	1.9		U3/500	
UH	(100°-180°)	47.7	0.8		U2/50	

BUG Rating: B1-U3-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1540.3	1540.3	1540.3	1540.3	1540.3	1540.3	1540.3	1540.3	1540.3	1540.3	1540.3
2.5°	1292.3	1412.9	1401.5	1494.8	1494.8	1515.3	1524.4	1522.1	1531.2	1540.3	1538.0
5°	1189.9	1192.2	1201.3	1221.8	1228.6	1235.4	1258.2	1337.8	1472.1	1503.9	1503.9
7.5°	982.9	1037.5	1105.7	1117.1	1158.1	1178.6	1203.6	1208.1	1117.1	1280.9	1296.9
10°	996.5	998.8	994.3	1019.3	989.7	978.3	898.7	903.3	912.4	973.8	1096.6
12.5°	780.4	825.9	923.7	969.2	896.4	816.8	812.2	850.9	866.8	775.8	967.0
15°	891.9	896.4	898.7	901.0	668.9	775.8	678.0	623.4	698.5	880.5	1001.1
17.5°	698.5	703.0	810.0	807.7	737.2	596.1	737.2	753.1	723.5	748.5	837.3
20°	819.1	821.3	814.5	632.5	646.2	730.3	634.8	632.5	668.9	862.3	973.8
22.5°	673.5	664.4	662.1	723.5	657.5	703.0	616.6	714.4	775.8	769.0	734.9
25°	844.1	841.8	807.7	630.2	673.5	596.1	721.2	605.2	671.2	930.6	973.8
27.5°	789.5	757.6	700.8	728.1	628.0	698.5	641.6	732.6	773.6	955.6	1128.5
30°	1021.6	998.8	932.8	734.9	693.9	643.9	687.1	734.9	880.5	1230.9	1290.0
32.5°	1349.2	1324.2	1087.5	901.0	728.1	762.2	723.5	862.3	971.5	1255.9	1301.4
35°	1449.3	1415.2	1299.1	1092.1	835.0	810.0	771.3	869.1	985.2	1321.9	1321.9
37.5°	1506.2	1503.9	1449.3	1205.9	941.9	928.3	830.4	912.4	1039.8	1385.6	1371.9
40°	1515.3	1526.7	1551.7	1306.0	1069.3	1039.8	907.8	971.5	1117.1	1463.0	1435.6
42.5°	1590.4	1610.8	1667.7	1437.9	1196.8	1169.5	998.8	1058.0	1201.3	1576.7	1569.9
45°	1710.9	1731.4	1781.5	1583.5	1308.2	1290.0	1146.7	1183.1	1337.8	1776.9	1713.2
47.5°	1961.2	1965.8	1945.3	1704.1	1428.8	1428.8	1290.0	1324.2	1460.7	1961.2	1899.8
50°	2211.5	2184.2	2093.2	1847.5	1549.4	1583.5	1437.9	1517.6	1599.5	2147.8	2063.6
52.5°	2350.3	2345.7	2222.9	1956.7	1654.1	1720.0	1608.6	1676.8	1726.9	2336.6	2218.3
55°	2354.8	2348.0	2263.8	2009.0	1751.9	1861.1	1779.2	1867.9	1904.3	2484.5	2429.9
57.5°	2279.7	2297.9	2254.7	2038.6	1799.7	1997.6	1986.2	2081.8	2100.0	2659.7	2575.5
60°	2161.4	2159.2	2211.5	2065.9	1872.5	2127.3	2177.4	2275.2	2373.0	2793.9	2705.2
62.5°	1865.7	1886.1	2034.0	2065.9	1952.1	2295.7	2391.2	2493.6	2614.2	2916.8	2821.2
65°	1460.7	1472.1	1704.1	1915.7	1974.9	2520.9	2607.4	2709.8	2837.2	3041.9	2950.9
67.5°	882.8	957.9	1158.1	1576.7	1858.8	2791.7	2950.9	2994.2	3067.0	3183.0	3142.0
70°	502.8	525.6	621.1	992.0	1551.7	2878.1	3583.4	3506.1	3431.0	3458.3	3380.9
72.5°	382.2	395.9	439.1	587.0	928.3	2541.4	4115.8	4402.5	4079.4	3745.0	3374.1
75°	277.6	291.2	334.5	473.2	609.8	1629.0	4061.2	4846.2	4659.6	3758.6	3051.0
77.5°	172.9	175.2	200.2	402.7	548.3	816.8	3178.4	4316.0	4398.0	3510.6	2530.0
80°	120.6	122.9	127.4	216.1	505.1	655.3	2134.1	3169.3	3285.4	2443.6	1290.0
82.5°	86.5	91.0	95.6	127.4	327.6	625.7	1328.7	1995.3	1758.7	885.1	523.3
85°	45.5	50.1	61.4	77.4	132.0	680.3	796.3	1014.7	803.1	359.5	311.7
87.5°	18.2	15.9	13.7	20.5	36.4	261.6	309.4	341.3	263.9	202.5	248.0
90°	15.9	13.7	9.1	11.4	15.9	93.3	195.7	218.4	182.0	197.9	250.3
92.5°	15.9	13.7	9.1	9.1	15.9	93.3	234.3	238.9	188.8	202.5	261.6
95°	15.9	15.9	9.1	9.1	15.9	84.2	277.6	273.0	195.7	213.9	277.6
97.5°	15.9	15.9	6.8	9.1	15.9	56.9	286.7	295.8	191.1	152.4	229.8
100°	15.9	15.9	6.8	6.8	13.7	36.4	200.2	216.1	141.1	50.1	56.9
102.5°	15.9	15.9	6.8	6.8	9.1	25.0	88.7	106.9	84.2	15.9	18.2
105°	15.9	18.2	4.6	4.6	6.8	13.7	38.7	43.2	34.1	11.4	20.5
107.5°	18.2	20.5	4.6	4.6	4.6	6.8	13.7	15.9	9.1	9.1	20.5
110°	20.5	20.5	4.6	4.6	4.6	6.8	4.6	4.6	6.8	9.1	22.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	15.9	13.7	2.3	4.6	4.6	4.6	4.6	4.6	4.6	9.1	22.8
115°	9.1	6.8	2.3	4.6	4.6	4.6	2.3	4.6	6.8	9.1	20.5
117.5°	9.1	6.8	2.3	2.3	2.3	4.6	2.3	2.3	6.8	11.4	25.0
120°	6.8	6.8	2.3	2.3	2.3	2.3	2.3	4.6	4.6	15.9	34.1
122.5°	6.8	6.8	2.3	2.3	2.3	2.3	2.3	4.6	4.6	15.9	34.1
125°	9.1	9.1	4.6	2.3	2.3	2.3	2.3	4.6	4.6	13.7	31.9
127.5°	6.8	6.8	4.6	2.3	2.3	2.3	2.3	4.6	4.6	11.4	25.0
130°	6.8	6.8	4.6	2.3	2.3	2.3	2.3	4.6	2.3	11.4	20.5
132.5°	6.8	6.8	4.6	2.3	2.3	2.3	2.3	2.3	2.3	6.8	15.9
135°	6.8	6.8	4.6	2.3	2.3	2.3	2.3	2.3	2.3	4.6	11.4
137.5°	4.6	4.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6
140°	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	2.3	4.6	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.6	4.6	4.6	2.3	2.3	2.3	2.3	2.3
150°	4.6	4.6	9.1	6.8	4.6	2.3	2.3	2.3	2.3	2.3	2.3
152.5°	9.1	9.1	9.1	6.8	2.3	2.3	4.6	6.8	2.3	2.3	2.3
155°	6.8	6.8	6.8	2.3	2.3	2.3	2.3	2.3	4.6	6.8	6.8
157.5°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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°	1540.3	1540.3	1540.3	1540.3	1540.3	1540.3	1540.3	1540.3	1540.3	1540.3	1540.3
2.5°	1531.2	1535.8	1531.2	1526.7	1522.1	1508.5	1415.2	1301.4	1292.3	1301.4	1296.9
5°	1492.5	1492.5	1490.3	1333.3	1240.0	1212.7	1205.9	1199.0	1185.4	1178.6	1183.1
7.5°	1287.8	1280.9	1201.3	1060.2	1149.0	1117.1	1098.9	1089.8	953.3	903.3	907.8
10°	1076.2	1076.2	894.2	844.1	839.5	853.2	946.5	939.7	921.5	910.1	921.5
12.5°	928.3	967.0	709.9	759.9	616.6	682.6	746.3	791.8	653.0	614.3	621.1
15°	985.2	971.5	780.4	596.1	543.8	573.3	459.6	575.6	566.5	548.3	546.0
17.5°	860.0	789.5	650.7	559.7	536.9	405.0	393.6	407.3	373.1	341.3	357.2
20°	935.1	896.4	689.4	498.3	414.1	368.6	277.6	259.4	329.9	345.8	343.6
22.5°	780.4	650.7	564.2	496.0	334.5	263.9	209.3	229.8	245.7	261.6	268.5
25°	916.9	846.4	616.6	370.9	270.7	193.4	188.8	170.6	257.1	293.5	291.2
27.5°	1058.0	957.9	593.8	348.1	195.7	166.1	152.4	172.9	179.7	202.5	216.1
30°	1183.1	1062.5	687.1	323.1	163.8	125.1	136.5	141.1	175.2	188.8	188.8
32.5°	1178.6	1032.9	614.3	275.3	134.2	113.8	113.8	134.2	154.7	186.6	188.8
35°	1176.3	1010.2	548.3	213.9	118.3	100.1	104.7	127.4	154.7	172.9	175.2
37.5°	1203.6	1003.4	482.3	172.9	106.9	95.6	100.1	120.6	166.1	184.3	184.3
40°	1244.5	1007.9	416.4	147.9	102.4	93.3	95.6	127.4	150.2	166.1	166.1
42.5°	1369.7	1073.9	359.5	136.5	102.4	91.0	91.0	118.3	152.4	179.7	182.0
45°	1463.0	1126.2	316.3	136.5	100.1	86.5	95.6	118.3	134.2	197.9	211.6
47.5°	1613.1	1221.8	275.3	136.5	100.1	84.2	88.7	116.0	141.1	227.5	236.6
50°	1763.3	1317.3	257.1	136.5	100.1	81.9	100.1	111.5	141.1	236.6	243.4
52.5°	1922.5	1435.6	245.7	136.5	100.1	86.5	109.2	134.2	152.4	211.6	209.3
55°	2086.4	1540.3	238.9	141.1	100.1	86.5	118.3	125.1	129.7	163.8	168.4
57.5°	2238.8	1667.7	252.5	141.1	97.8	91.0	111.5	122.9	113.8	143.3	145.6
60°	2359.4	1783.8	286.7	136.5	95.6	91.0	113.8	134.2	127.4	157.0	161.5
62.5°	2498.2	1906.6	366.3	138.8	95.6	93.3	127.4	145.6	129.7	154.7	163.8
65°	2680.2	2093.2	455.0	152.4	97.8	97.8	129.7	157.0	129.7	152.4	152.4
67.5°	2884.9	2266.1	455.0	177.5	104.7	104.7	129.7	166.1	138.8	152.4	152.4
70°	3035.1	2275.2	375.4	195.7	113.8	111.5	134.2	172.9	141.1	168.4	166.1
72.5°	2869.0	2027.2	311.7	193.4	122.9	116.0	152.4	177.5	143.3	191.1	188.8
75°	2518.6	1672.3	270.7	172.9	111.5	118.3	159.3	182.0	145.6	200.2	195.7
77.5°	1986.2	1219.5	229.8	145.6	97.8	113.8	163.8	186.6	150.2	211.6	209.3
80°	962.4	612.0	186.6	122.9	88.7	109.2	163.8	184.3	147.9	218.4	218.4
82.5°	434.6	304.9	127.4	84.2	88.7	111.5	168.4	186.6	147.9	213.9	211.6
85°	282.1	209.3	81.9	66.0	88.7	127.4	170.6	177.5	141.1	197.9	197.9
87.5°	211.6	145.6	43.2	41.0	97.8	138.8	170.6	163.8	136.5	186.6	182.0
90°	216.1	154.7	45.5	41.0	104.7	141.1	170.6	161.5	132.0	168.4	168.4
92.5°	234.3	170.6	52.3	45.5	106.9	127.4	161.5	145.6	122.9	145.6	143.3
95°	254.8	191.1	61.4	52.3	93.3	93.3	127.4	118.3	104.7	111.5	111.5
97.5°	186.6	136.5	54.6	56.9	70.5	59.2	84.2	79.6	54.6	50.1	47.8
100°	54.6	45.5	50.1	54.6	50.1	43.2	63.7	61.4	36.4	18.2	18.2
102.5°	20.5	22.8	45.5	50.1	38.7	31.9	45.5	50.1	29.6	4.6	6.8
105°	18.2	15.9	31.9	38.7	22.8	18.2	22.8	31.9	18.2	4.6	4.6
107.5°	20.5	15.9	15.9	20.5	9.1	9.1	9.1	11.4	6.8	4.6	4.6
110°	20.5	15.9	9.1	9.1	6.8	6.8	6.8	4.6	4.6	4.6	4.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.5	15.9	9.1	9.1	6.8	6.8	4.6	4.6	6.8	11.4	11.4
115°	22.8	18.2	9.1	6.8	4.6	6.8	4.6	2.3	6.8	15.9	15.9
117.5°	27.3	20.5	6.8	6.8	4.6	4.6	4.6	2.3	6.8	20.5	22.8
120°	34.1	25.0	9.1	4.6	4.6	4.6	4.6	2.3	9.1	22.8	25.0
122.5°	34.1	27.3	9.1	4.6	4.6	2.3	2.3	4.6	9.1	22.8	25.0
125°	31.9	25.0	9.1	4.6	4.6	2.3	2.3	2.3	11.4	22.8	25.0
127.5°	25.0	22.8	9.1	4.6	2.3	2.3	2.3	4.6	9.1	20.5	20.5
130°	20.5	18.2	6.8	4.6	2.3	2.3	2.3	2.3	9.1	15.9	18.2
132.5°	15.9	13.7	6.8	4.6	2.3	2.3	2.3	2.3	9.1	15.9	15.9
135°	11.4	11.4	4.6	2.3	2.3	2.3	2.3	2.3	6.8	11.4	13.7
137.5°	4.6	4.6	4.6	2.3	2.3	2.3	2.3	2.3	4.6	6.8	6.8
140°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	4.6	4.6
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.6
145°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
150°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	4.6	4.6
155°	6.8	6.8	6.8	4.6	2.3	0.0	0.0	0.0	2.3	2.3	4.6
157.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	2.3	2.3	2.3
160°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3
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)