

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: P560971

Luminaire Tested: **SDL-PA1-70-827-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-827-U-SL3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4906.5 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 72.2
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

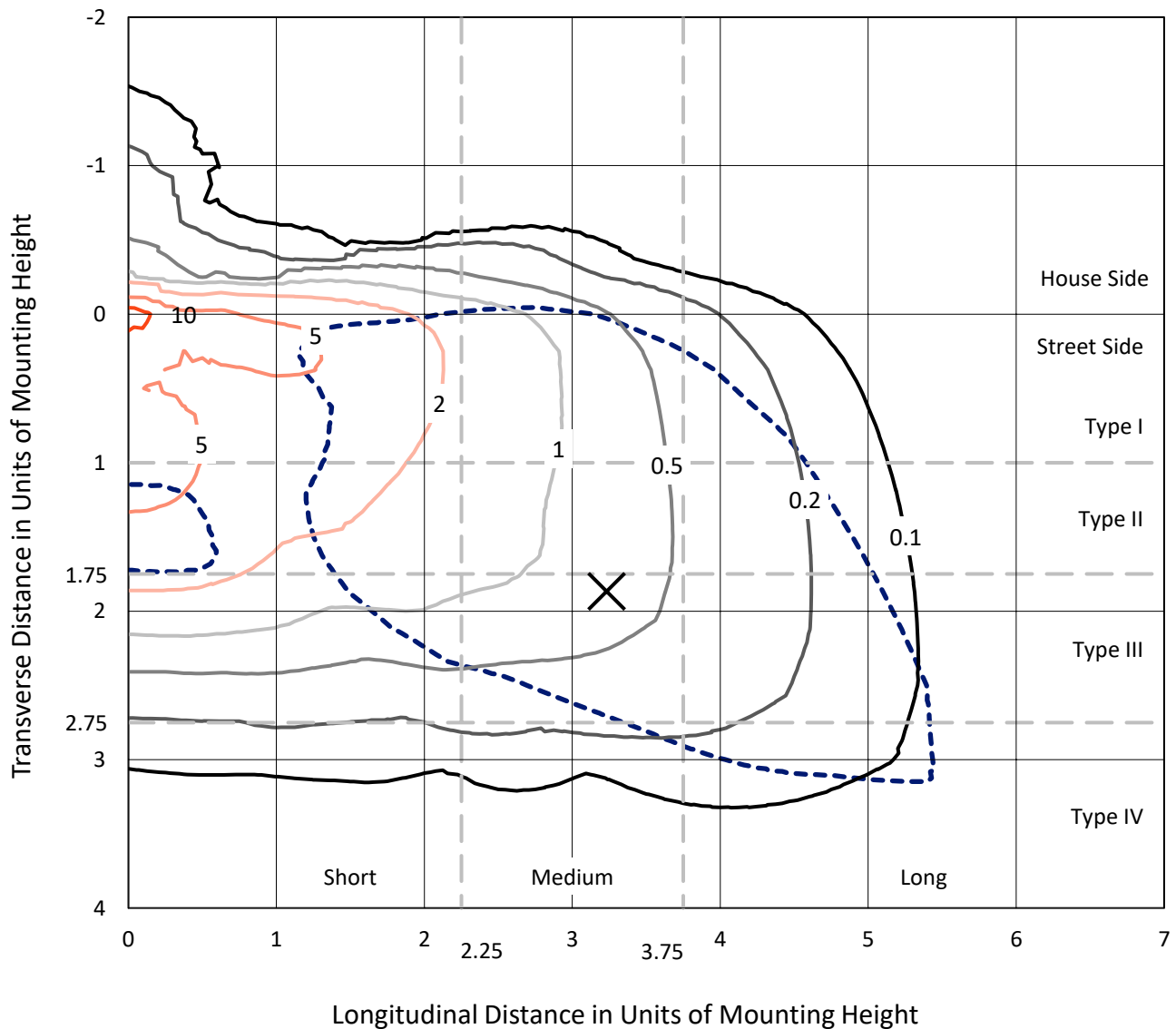


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

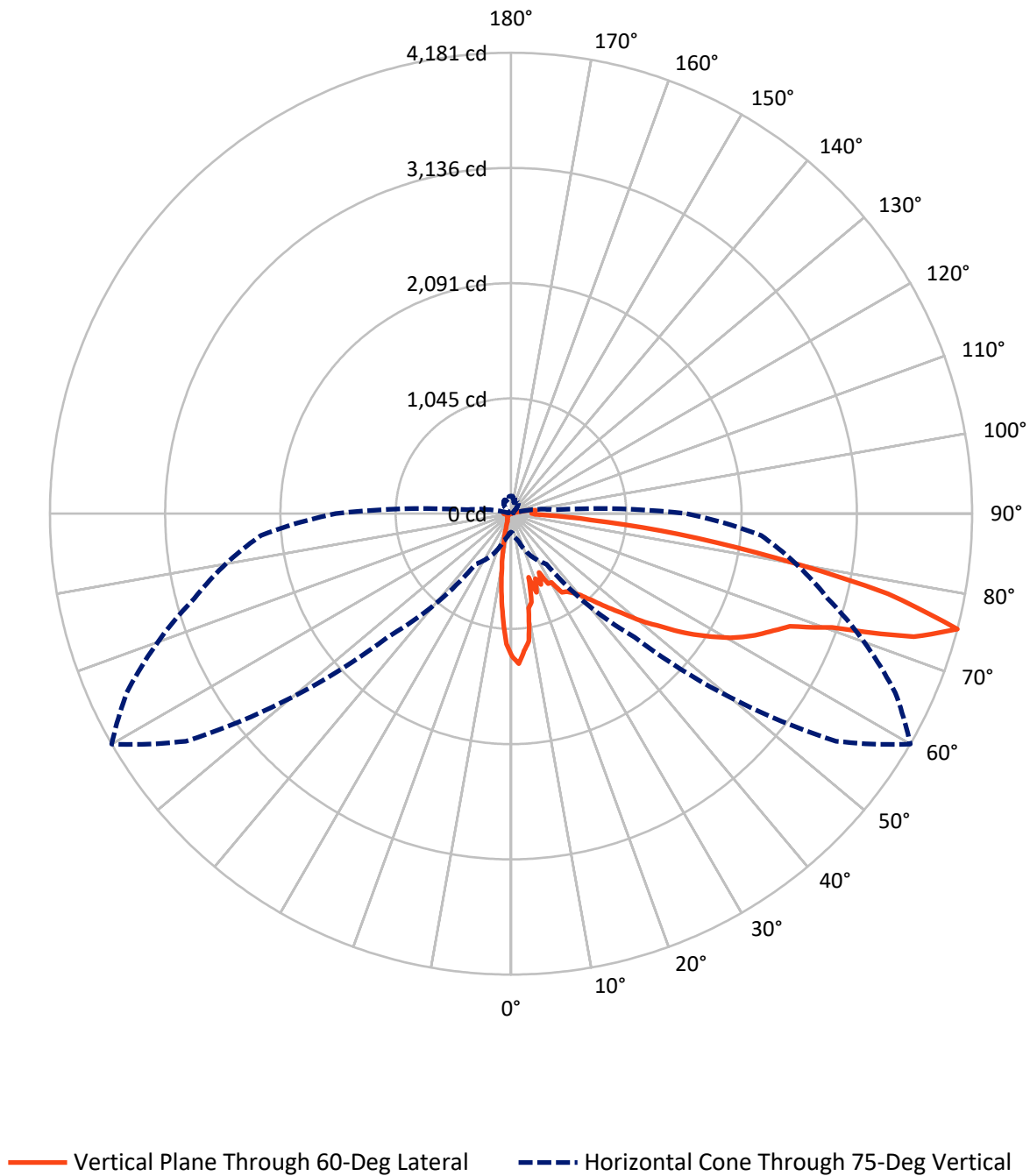


Based on 10 foot mounting height. Maximum calculated value = 13 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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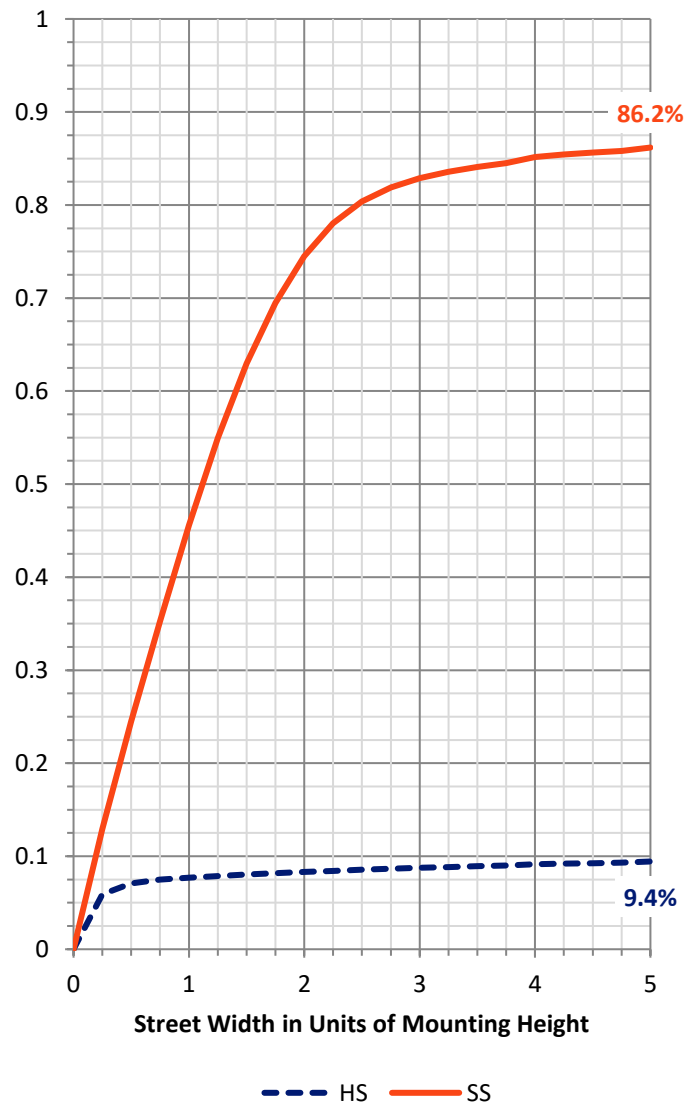
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	507.1	66.1	573.2
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	4264.2	69.1	4333.4
	% Fixture	86.9	1.4	88.3
Total	Lumens	4771.3	135.2	4906.5
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	1.8
10°-20°	147.6	3.0
20°-30°	208.7	4.3
30°-40°	375.1	7.6
40°-50°	632.0	12.9
50°-60°	983.1	20.0
60°-70°	1160.1	23.6
70°-80°	941.0	19.2
80°-90°	233.6	4.8
90°-100°	94.3	1.9
100°-110°	21.8	0.4
110°-120°	6.8	0.1
120°-130°	6.1	0.1
130°-140°	3.2	0.1
140°-150°	1.6	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4771.3	97.2
0°-180°	4906.5	100.0

Coefficient of Utilization



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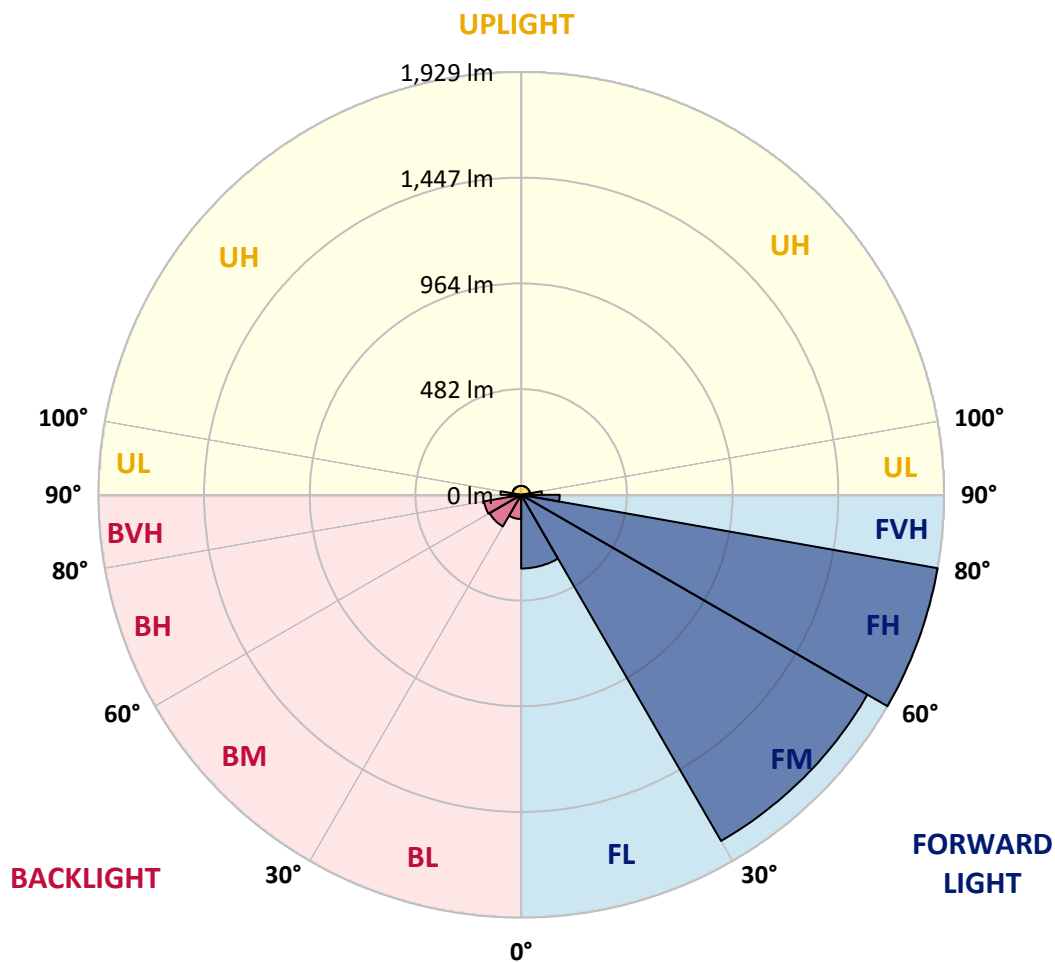
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	336.1	6.8			
FM	(30°-60°)	1823.5	37.2			
FH	(60°-80°)	1928.9	39.3			G2/5000
FVH	(80°-90°)	175.7	3.6			G2/225
BL	(0°-30°)	110.3	2.2	B1/500		
BM	(30°-60°)	166.7	3.4	B0/220		
BH	(60°-80°)	172.1	3.5	B1/500		G1/500
BVH	(80°-90°)	58.0	1.2			G1/100
UL	(90°-100°)	94.3	1.9		U3/500	
UH	(100°-180°)	40.9	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0
2.5°	1219.9	1312.9	1285.7	1371.8	1383.2	1378.6	1374.1	1362.8	1351.4	1331.0	1299.3
5°	1170.0	1179.1	1172.3	1188.2	1190.4	1197.2	1185.9	1249.4	1356.0	1328.7	1278.9
7.5°	961.4	1056.6	1068.0	1097.5	1124.7	1151.9	1167.8	1165.5	1029.4	1156.4	1099.7
10°	981.8	995.4	993.2	1013.6	990.9	952.3	868.4	870.7	870.7	897.9	927.4
12.5°	777.7	818.6	918.3	950.1	882.0	802.7	809.5	825.4	836.7	709.7	782.3
15°	882.0	884.3	886.6	886.6	664.4	759.6	662.1	598.6	684.8	839.0	852.6
17.5°	691.6	684.8	798.2	789.1	732.4	564.6	734.7	750.5	721.1	705.2	709.7
20°	811.8	811.8	805.0	641.7	675.7	727.9	630.4	628.1	664.4	825.4	834.4
22.5°	657.6	650.8	687.0	714.3	641.7	693.8	621.3	698.4	773.2	730.1	596.3
25°	823.1	823.1	795.9	619.0	664.4	596.3	689.3	591.8	657.6	893.4	850.3
27.5°	761.9	741.5	678.0	702.9	596.3	693.8	634.9	718.8	759.6	925.1	990.9
30°	984.1	977.3	904.7	707.5	678.0	637.2	682.5	723.3	875.2	1199.5	1145.1
32.5°	1312.9	1276.6	1029.4	875.2	712.0	755.1	727.9	850.3	961.4	1226.7	1160.9
35°	1401.3	1374.1	1256.2	1063.4	798.2	798.2	782.3	868.4	986.4	1285.7	1195.0
37.5°	1430.8	1428.5	1387.7	1163.2	916.1	918.3	827.6	911.5	1036.2	1365.0	1244.8
40°	1448.9	1453.5	1494.3	1267.5	1040.8	1036.2	911.5	972.7	1113.3	1451.2	1335.5
42.5°	1526.0	1551.0	1600.8	1383.2	1158.7	1160.9	1013.6	1070.2	1215.4	1594.0	1460.3
45°	1698.3	1705.1	1734.6	1541.9	1269.8	1285.7	1142.8	1201.8	1340.1	1750.5	1600.8
47.5°	1959.1	1959.1	1909.2	1666.6	1401.3	1424.0	1278.9	1340.1	1487.5	1979.5	1764.1
50°	2190.4	2172.2	2063.4	1814.0	1507.9	1557.8	1458.0	1528.3	1612.2	2154.1	1968.2
52.5°	2335.5	2328.7	2194.9	1913.8	1621.2	1705.1	1605.4	1696.1	1757.3	2335.5	2151.8
55°	2315.1	2315.1	2228.9	1965.9	1725.6	1838.9	1795.8	1909.2	1931.9	2507.8	2285.6
57.5°	2238.0	2249.3	2208.5	1986.3	1746.0	1965.9	1990.8	2097.4	2136.0	2607.6	2369.5
60°	2081.5	2104.2	2147.3	2013.5	1825.3	2108.8	2190.4	2285.6	2358.2	2682.4	2439.8
62.5°	1789.0	1818.5	1970.4	2011.3	1886.5	2256.1	2360.4	2444.3	2512.4	2723.2	2489.7
65°	1356.0	1410.4	1630.3	1866.1	1882.0	2428.5	2498.8	2580.4	2646.1	2764.1	2618.9
67.5°	866.2	868.4	1106.5	1541.9	1755.0	2671.1	2684.7	2725.5	2768.6	2877.4	2802.6
70°	446.7	469.4	582.7	984.1	1437.6	2721.0	3149.5	3090.6	3024.8	3124.6	3040.7
72.5°	297.0	322.0	383.2	530.6	902.5	2453.4	3655.2	3818.4	3528.2	3308.3	2832.1
75°	167.8	181.4	256.2	419.5	557.8	1585.0	3598.5	4181.2	3845.6	2972.7	2276.5
77.5°	74.8	79.4	115.6	328.8	478.4	773.2	2832.1	3494.2	3360.4	2478.4	1641.7
80°	40.8	40.8	54.4	151.9	405.9	582.7	1879.7	2433.0	2285.6	1494.3	746.0
82.5°	22.7	24.9	31.7	72.6	247.2	532.9	1188.2	1526.0	1206.3	410.4	301.6
85°	9.1	9.1	13.6	38.5	90.7	451.2	650.8	725.6	487.5	208.6	233.6
87.5°	4.5	4.5	4.5	13.6	29.5	115.6	213.1	229.0	179.1	165.5	201.8
90°	6.8	6.8	4.5	4.5	20.4	122.4	179.1	188.2	147.4	165.5	204.1
92.5°	9.1	6.8	4.5	4.5	15.9	122.4	204.1	201.8	147.4	165.5	210.9
95°	11.3	9.1	4.5	4.5	15.9	108.8	244.9	219.9	158.7	167.8	222.2
97.5°	11.3	11.3	4.5	4.5	15.9	83.9	258.5	222.2	138.3	108.8	151.9
100°	13.6	13.6	4.5	4.5	18.1	49.9	179.1	165.5	97.5	36.3	43.1
102.5°	15.9	15.9	4.5	4.5	11.3	24.9	86.2	83.9	54.4	9.1	15.9
105°	15.9	18.1	4.5	4.5	4.5	11.3	31.7	38.5	27.2	9.1	15.9
107.5°	18.1	20.4	4.5	4.5	4.5	6.8	13.6	13.6	9.1	9.1	15.9
110°	18.1	18.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	9.1	15.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	13.6	13.6	2.3	4.5	4.5	4.5	2.3	4.5	4.5	6.8	13.6
115°	6.8	4.5	2.3	4.5	2.3	4.5	2.3	4.5	6.8	6.8	15.9
117.5°	2.3	2.3	2.3	2.3	2.3	4.5	2.3	4.5	4.5	11.3	20.4
120°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	15.9	24.9
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	15.9	29.5
125°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	11.3	27.2
127.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	11.3	22.7
130°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	9.1	20.4
132.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	9.1	15.9
135°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	11.3
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5
140°	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	2.3	0.0	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	4.5	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3
150°	9.1	9.1	9.1	6.8	4.5	2.3	6.8	4.5	2.3	2.3	2.3
152.5°	6.8	6.8	11.3	4.5	2.3	2.3	2.3	6.8	6.8	2.3	2.3
155°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	2.3	2.3	6.8	9.1
157.5°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	4.5	2.3
160°	0.0	0.0	0.0	0.0	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°	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0	1297.0
2.5°	1287.9	1274.3	1238.0	1204.0	1163.2	1138.3	1052.1	954.6	934.2	929.7	913.8
5°	1256.2	1226.7	1156.4	1006.8	857.1	789.1	757.3	732.4	698.4	691.6	682.5
7.5°	1065.7	1015.8	907.0	723.3	700.7	637.2	585.0	541.9	449.0	424.0	410.4
10°	886.6	843.5	619.0	526.1	478.4	430.8	374.1	331.1	292.5	274.4	267.6
12.5°	716.5	673.4	462.6	417.2	297.0	244.9	213.1	176.9	147.4	131.5	131.5
15°	793.6	723.3	478.4	297.0	195.0	145.1	106.6	95.2	111.1	113.4	113.4
17.5°	648.5	578.2	376.4	231.3	142.9	79.4	86.2	97.5	106.6	93.0	95.2
20°	746.0	648.5	378.7	174.6	90.7	77.1	79.4	72.6	97.5	99.8	99.8
22.5°	564.6	510.2	285.7	138.3	70.3	72.6	68.0	81.6	90.7	79.4	77.1
25°	730.1	600.9	290.2	88.4	70.3	59.0	70.3	63.5	83.9	86.2	86.2
27.5°	836.7	673.4	254.0	77.1	59.0	63.5	56.7	65.8	63.5	63.5	63.5
30°	950.1	734.7	247.2	74.8	56.7	52.2	54.4	52.2	61.2	63.5	63.5
32.5°	950.1	702.9	188.2	74.8	54.4	49.9	43.1	47.6	49.9	54.4	56.7
35°	956.9	675.7	138.3	68.0	49.9	43.1	38.5	38.5	43.1	45.3	45.3
37.5°	977.3	657.6	106.6	63.5	45.3	38.5	31.7	34.0	59.0	65.8	65.8
40°	1034.0	657.6	90.7	59.0	40.8	34.0	27.2	43.1	49.9	59.0	59.0
42.5°	1122.4	666.6	86.2	56.7	36.3	29.5	22.7	34.0	61.2	70.3	72.6
45°	1215.4	684.8	81.6	54.4	34.0	24.9	27.2	40.8	47.6	63.5	63.5
47.5°	1344.6	723.3	79.4	52.2	31.7	20.4	24.9	40.8	52.2	68.0	68.0
50°	1485.2	764.1	74.8	49.9	27.2	18.1	38.5	34.0	43.1	70.3	70.3
52.5°	1630.3	811.8	72.6	47.6	24.9	24.9	43.1	40.8	52.2	68.0	70.3
55°	1757.3	850.3	68.0	47.6	22.7	22.7	45.3	40.8	47.6	63.5	65.8
57.5°	1818.5	857.1	65.8	45.3	20.4	22.7	43.1	49.9	43.1	52.2	56.7
60°	1895.6	875.2	59.0	40.8	18.1	29.5	49.9	65.8	59.0	68.0	72.6
62.5°	1968.2	888.9	52.2	36.3	15.9	31.7	65.8	79.4	63.5	79.4	88.4
65°	2102.0	918.3	43.1	29.5	13.6	36.3	74.8	95.2	70.3	93.0	93.0
67.5°	2287.9	965.9	34.0	24.9	13.6	40.8	77.1	108.8	83.9	102.0	99.8
70°	2360.4	888.9	29.5	22.7	13.6	47.6	83.9	117.9	88.4	113.4	113.4
72.5°	2058.9	641.7	24.9	22.7	22.7	54.4	104.3	129.2	97.5	142.9	140.6
75°	1589.5	403.6	24.9	22.7	27.2	68.0	117.9	138.3	104.3	158.7	156.5
77.5°	1058.9	190.5	24.9	24.9	31.7	74.8	127.0	147.4	115.6	176.9	174.6
80°	414.9	104.3	27.2	27.2	38.5	79.4	136.0	151.9	120.2	190.5	188.2
82.5°	199.5	72.6	27.2	27.2	52.2	88.4	145.1	158.7	124.7	192.7	190.5
85°	170.1	68.0	24.9	29.5	63.5	111.1	154.2	156.5	127.0	183.7	183.7
87.5°	151.9	65.8	24.9	29.5	86.2	129.2	161.0	154.2	136.0	179.1	179.1
90°	156.5	70.3	27.2	34.0	97.5	131.5	163.3	154.2	131.5	165.5	165.5
92.5°	167.8	74.8	29.5	36.3	97.5	122.4	151.9	138.3	122.4	140.6	138.3
95°	176.9	79.4	31.7	40.8	86.2	95.2	127.0	111.1	102.0	108.8	108.8
97.5°	136.0	61.2	36.3	45.3	65.8	56.7	79.4	72.6	54.4	45.3	45.3
100°	36.3	20.4	38.5	45.3	45.3	38.5	59.0	54.4	36.3	15.9	15.9
102.5°	13.6	13.6	36.3	43.1	36.3	29.5	43.1	40.8	29.5	4.5	4.5
105°	13.6	11.3	22.7	34.0	22.7	15.9	22.7	27.2	18.1	4.5	4.5
107.5°	13.6	11.3	13.6	20.4	9.1	6.8	9.1	9.1	9.1	2.3	4.5
110°	13.6	11.3	6.8	9.1	6.8	6.8	6.8	4.5	4.5	9.1	9.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.6	11.3	6.8	9.1	6.8	6.8	4.5	4.5	6.8	13.6	13.6
115°	13.6	11.3	6.8	6.8	4.5	6.8	4.5	2.3	6.8	15.9	18.1
117.5°	18.1	11.3	4.5	4.5	4.5	4.5	4.5	2.3	6.8	20.4	22.7
120°	22.7	13.6	4.5	4.5	4.5	2.3	4.5	2.3	9.1	20.4	22.7
122.5°	24.9	15.9	4.5	4.5	4.5	2.3	2.3	4.5	9.1	20.4	20.4
125°	24.9	15.9	4.5	4.5	2.3	2.3	2.3	2.3	9.1	20.4	22.7
127.5°	20.4	13.6	4.5	4.5	2.3	2.3	2.3	2.3	9.1	18.1	20.4
130°	18.1	13.6	4.5	4.5	2.3	2.3	2.3	2.3	9.1	15.9	18.1
132.5°	13.6	11.3	4.5	2.3	2.3	2.3	2.3	2.3	9.1	13.6	15.9
135°	11.3	6.8	4.5	2.3	2.3	2.3	2.3	2.3	6.8	13.6	13.6
137.5°	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3	4.5	6.8	6.8
140°	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5
142.5°	2.3	4.5	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
145°	2.3	4.5	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
147.5°	2.3	4.5	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
150°	2.3	4.5	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.5
152.5°	2.3	4.5	2.3	2.3	2.3	0.0	0.0	2.3	2.3	2.3	2.3
155°	9.1	6.8	4.5	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	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)