

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: P560970

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560970
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-PA1-70-827-U-SL3-A
Description: Springdale
(1) 80 CRI, 2700K, 930mA 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: 5813.5 lumens
Efficiency: N/A
Efficacy: 80.5 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): 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

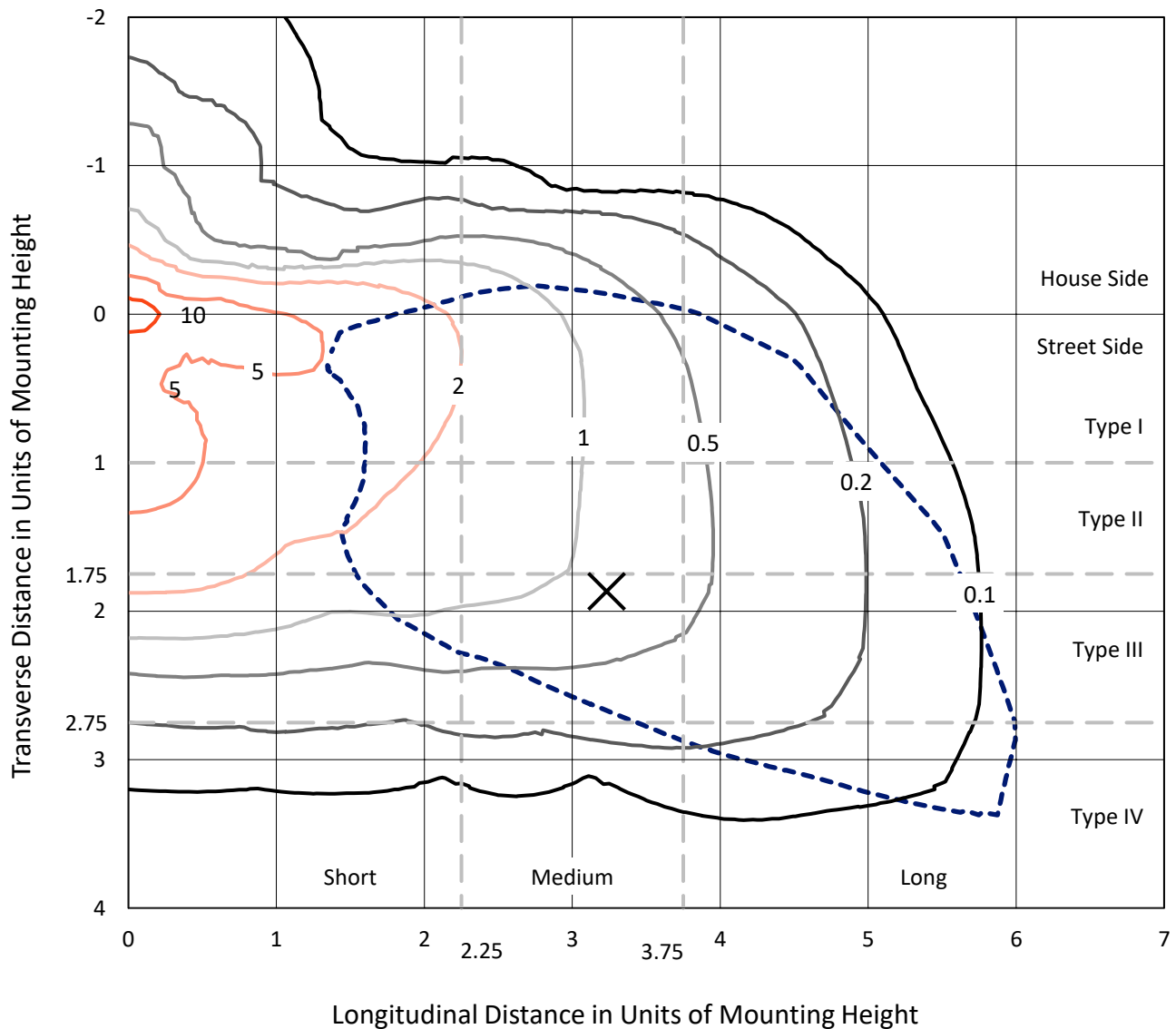


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

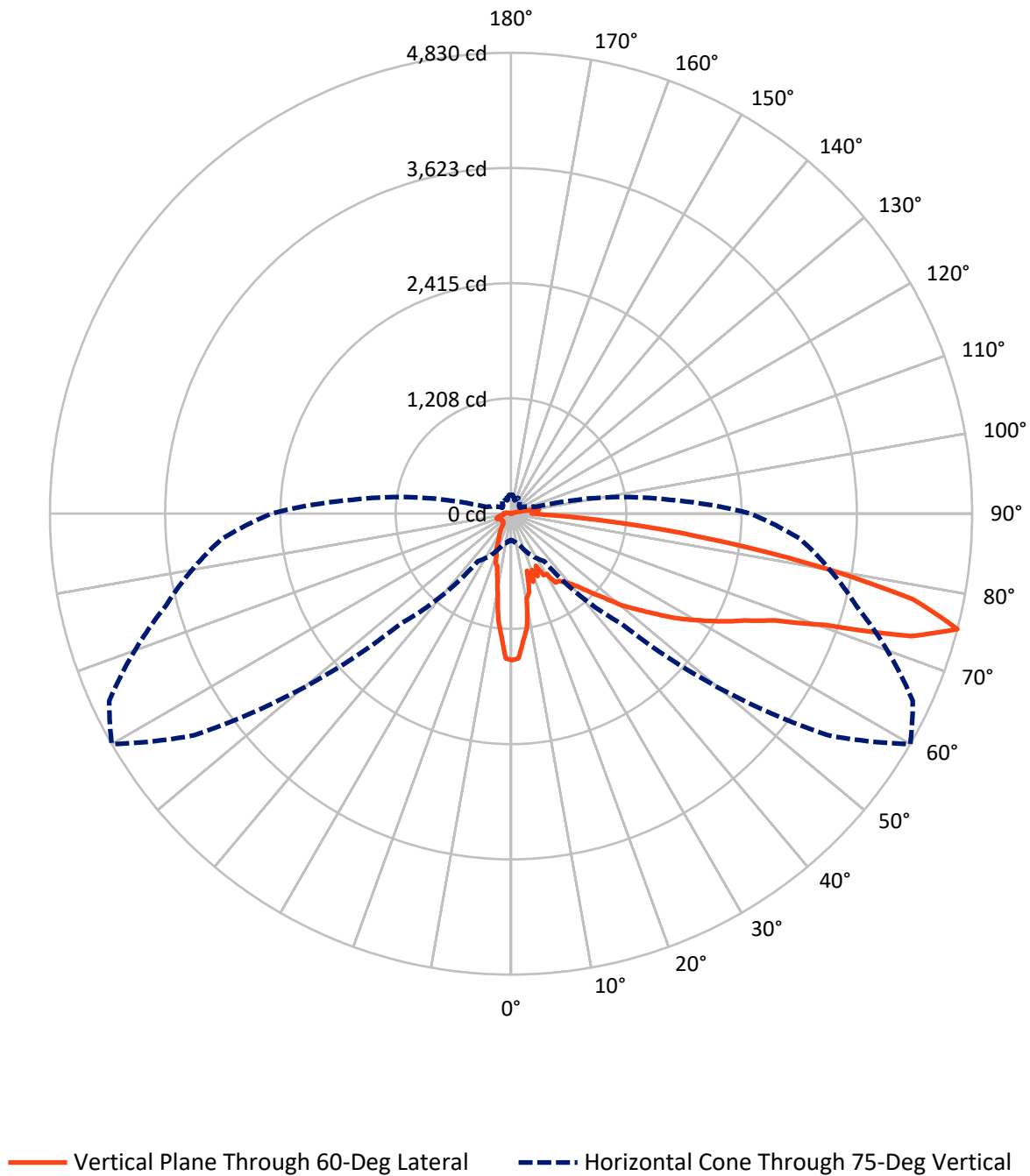


Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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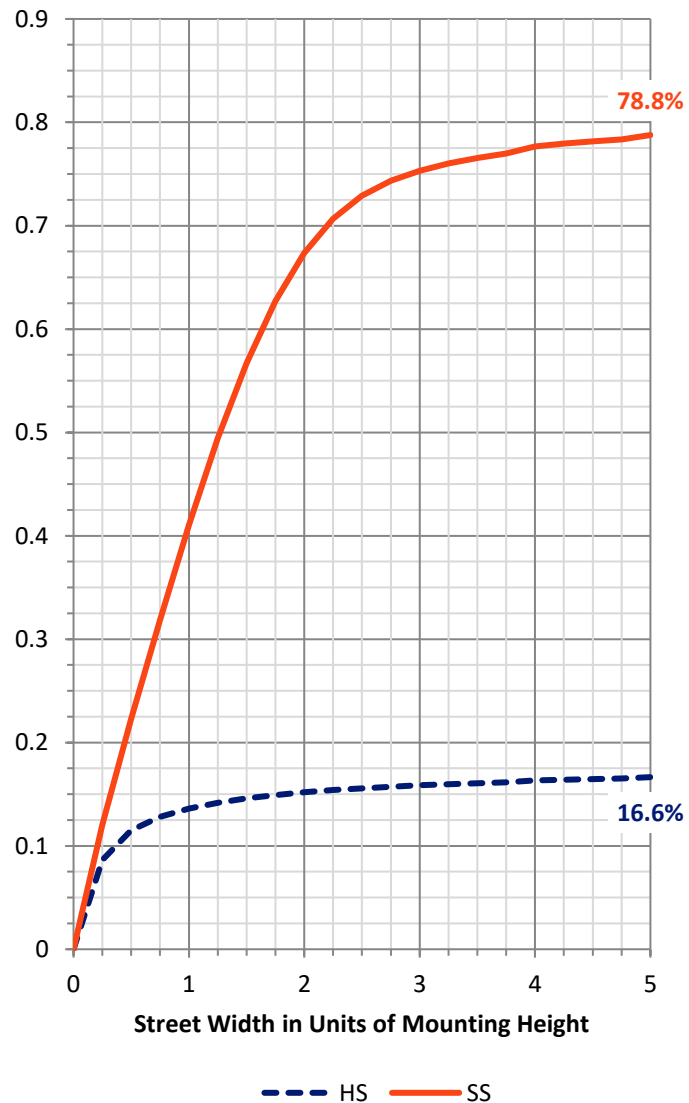
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1020.6	77.4	1098.0
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	4633.6	81.9	4715.5
	% Fixture	79.7	1.4	81.1
Total	Lumens	5654.2	159.2	5813.5
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	1.9
10°-20°	201.0	3.5
20°-30°	260.5	4.5
30°-40°	434.2	7.5
40°-50°	695.2	12.0
50°-60°	1067.3	18.4
60°-70°	1333.6	22.9
70°-80°	1216.4	20.9
80°-90°	332.9	5.7
90°-100°	111.8	1.9
100°-110°	25.4	0.4
110°-120°	8.1	0.1
120°-130°	7.5	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°	5654.2	97.3
0°-180°	5813.5	100.0

Coefficient of Utilization



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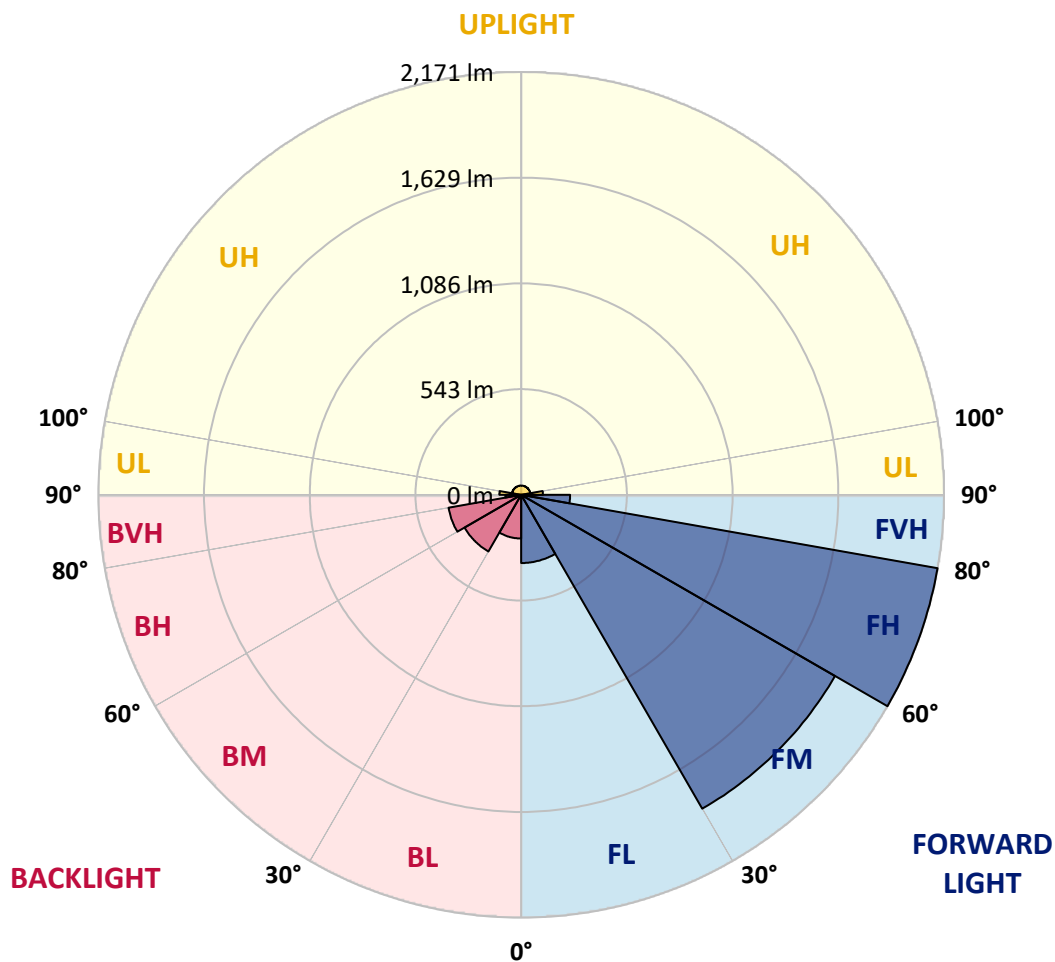
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	350.2	6.0			
FM	(30°-60°)	1860.9	32.0			
FH	(60°-80°)	2171.4	37.4			G2/5000
FVH	(80°-90°)	251.2	4.3			G3/500
BL	(0°-30°)	224.4	3.9	B1/500		
BM	(30°-60°)	335.9	5.8	B1/1000		
BH	(60°-80°)	378.7	6.5	B1/500		G1/500
BVH	(80°-90°)	81.7	1.4			G1/100
UL	(90°-100°)	111.8	1.9		U3/500	
UH	(100°-180°)	47.5	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°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2
2.5°	1288.1	1408.2	1396.9	1489.9	1489.9	1510.3	1519.4	1517.1	1526.2	1535.2	1533.0
5°	1186.0	1188.3	1197.4	1217.8	1224.6	1231.4	1254.0	1333.4	1467.2	1499.0	1499.0
7.5°	979.7	1034.1	1102.1	1113.4	1154.3	1174.7	1199.6	1204.2	1113.4	1276.7	1292.6
10°	993.3	995.5	991.0	1015.9	986.5	975.1	895.7	900.3	909.4	970.6	1093.0
12.5°	777.8	823.2	920.7	966.0	893.5	814.1	809.6	848.1	864.0	773.3	963.8
15°	888.9	893.5	895.7	898.0	666.7	773.3	675.8	621.4	696.2	877.6	997.8
17.5°	696.2	700.7	807.3	805.0	734.7	594.1	734.7	750.6	721.1	746.1	834.5
20°	816.4	818.6	811.8	630.4	644.0	727.9	632.7	630.4	666.7	859.5	970.6
22.5°	671.2	662.2	659.9	721.1	655.4	700.7	614.6	712.1	773.3	766.5	732.5
25°	841.3	839.1	805.0	628.2	671.2	594.1	718.9	603.2	669.0	927.5	970.6
27.5°	786.9	755.1	698.5	725.7	625.9	696.2	639.5	730.2	771.0	952.4	1124.8
30°	1018.2	995.5	929.8	732.5	691.7	641.8	684.8	732.5	877.6	1226.8	1285.8
32.5°	1344.8	1319.8	1084.0	898.0	725.7	759.7	721.1	859.5	968.3	1251.8	1297.1
35°	1444.5	1410.5	1294.9	1088.5	832.3	807.3	768.8	866.3	981.9	1317.5	1317.5
37.5°	1501.2	1499.0	1444.5	1201.9	938.8	925.2	827.7	909.4	1036.3	1381.0	1367.4
40°	1510.3	1521.6	1546.6	1301.7	1065.8	1036.3	904.8	968.3	1113.4	1458.1	1430.9
42.5°	1585.1	1605.5	1662.2	1433.2	1192.8	1165.6	995.5	1054.5	1197.4	1571.5	1564.7
45°	1705.3	1725.7	1775.6	1578.3	1303.9	1285.8	1142.9	1179.2	1333.4	1771.1	1707.6
47.5°	1954.8	1959.3	1938.9	1698.5	1424.1	1424.1	1285.8	1319.8	1455.9	1954.8	1893.5
50°	2204.2	2177.0	2086.3	1841.4	1544.3	1578.3	1433.2	1512.6	1594.2	2140.7	2056.8
52.5°	2342.5	2338.0	2215.6	1950.2	1648.6	1714.4	1603.3	1671.3	1721.2	2328.9	2211.0
55°	2347.1	2340.3	2256.4	2002.4	1746.1	1855.0	1773.4	1861.8	1898.1	2476.3	2421.9
57.5°	2272.2	2290.4	2247.3	2031.9	1793.8	1991.1	1979.7	2075.0	2093.1	2651.0	2567.1
60°	2154.3	2152.1	2204.2	2059.1	1866.3	2120.3	2170.2	2267.7	2365.2	2784.8	2696.3
62.5°	1859.5	1879.9	2027.3	2059.1	1945.7	2288.1	2383.4	2485.4	2605.6	2907.2	2812.0
65°	1455.9	1467.2	1698.5	1909.4	1968.4	2512.6	2598.8	2700.8	2827.8	3031.9	2941.2
67.5°	879.9	954.7	1154.3	1571.5	1852.7	2782.5	2941.2	2984.3	3056.9	3172.5	3131.7
70°	501.2	523.8	619.1	988.7	1546.6	2868.7	3571.6	3494.5	3419.7	3446.9	3369.8
72.5°	381.0	394.6	437.7	585.1	925.2	2533.0	4102.3	4388.0	4066.0	3732.7	3363.0
75°	276.7	290.3	333.4	471.7	607.7	1623.7	4047.9	4830.2	4644.3	3746.3	3041.0
77.5°	172.3	174.6	199.6	401.4	546.5	814.1	3168.0	4301.9	4383.5	3499.1	2521.7
80°	120.2	122.5	127.0	215.4	503.4	653.1	2127.1	3158.9	3274.6	2435.5	1285.8
82.5°	86.2	90.7	95.2	127.0	326.6	623.6	1324.3	1988.8	1752.9	882.1	521.6
85°	45.4	49.9	61.2	77.1	131.5	678.0	793.7	1011.4	800.5	358.3	310.7
87.5°	18.1	15.9	13.6	20.4	36.3	260.8	308.4	340.2	263.1	201.8	247.2
90°	15.9	13.6	9.1	11.3	15.9	93.0	195.0	217.7	181.4	197.3	249.4
92.5°	15.9	13.6	9.1	9.1	15.9	93.0	233.6	238.1	188.2	201.8	260.8
95°	15.9	15.9	9.1	9.1	15.9	83.9	276.7	272.1	195.0	213.2	276.7
97.5°	15.9	15.9	6.8	9.1	15.9	56.7	285.7	294.8	190.5	151.9	229.0
100°	15.9	15.9	6.8	6.8	13.6	36.3	199.6	215.4	140.6	49.9	56.7
102.5°	15.9	15.9	6.8	6.8	9.1	24.9	88.4	106.6	83.9	15.9	18.1
105°	15.9	18.1	4.5	4.5	6.8	13.6	38.6	43.1	34.0	11.3	20.4
107.5°	18.1	20.4	4.5	4.5	4.5	6.8	13.6	15.9	9.1	9.1	20.4
110°	20.4	20.4	4.5	4.5	4.5	6.8	4.5	4.5	6.8	9.1	22.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	15.9	13.6	2.3	4.5	4.5	4.5	4.5	4.5	4.5	9.1	22.7
115°	9.1	6.8	2.3	4.5	4.5	4.5	2.3	4.5	6.8	9.1	20.4
117.5°	9.1	6.8	2.3	2.3	2.3	4.5	2.3	2.3	6.8	11.3	24.9
120°	6.8	6.8	2.3	2.3	2.3	2.3	2.3	4.5	4.5	15.9	34.0
122.5°	6.8	6.8	2.3	2.3	2.3	2.3	2.3	4.5	4.5	15.9	34.0
125°	9.1	9.1	4.5	2.3	2.3	2.3	2.3	4.5	4.5	13.6	31.7
127.5°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	4.5	4.5	11.3	24.9
130°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	4.5	2.3	11.3	20.4
132.5°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	2.3	2.3	6.8	15.9
135°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	2.3	2.3	4.5	11.3
137.5°	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5
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	4.5	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.5	4.5	4.5	2.3	2.3	2.3	2.3	2.3
150°	4.5	4.5	9.1	6.8	4.5	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	4.5	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	4.5	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°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2
2.5°	1526.2	1530.7	1526.2	1521.6	1517.1	1503.5	1410.5	1297.1	1288.1	1297.1	1292.6
5°	1487.6	1487.6	1485.4	1328.9	1235.9	1208.7	1201.9	1195.1	1181.5	1174.7	1179.2
7.5°	1283.5	1276.7	1197.4	1056.8	1145.2	1113.4	1095.3	1086.2	950.2	900.3	904.8
10°	1072.6	1072.6	891.2	841.3	836.8	850.4	943.4	936.6	918.4	907.1	918.4
12.5°	925.2	963.8	707.5	757.4	614.6	680.3	743.8	789.2	650.8	612.3	619.1
15°	981.9	968.3	777.8	594.1	542.0	571.5	458.1	573.7	564.7	546.5	544.3
17.5°	857.2	786.9	648.6	557.9	535.2	403.7	392.3	405.9	371.9	340.2	356.0
20°	932.0	893.5	687.1	496.6	412.7	367.4	276.7	258.5	328.8	344.7	342.4
22.5°	777.8	648.6	562.4	494.4	333.4	263.1	208.6	229.0	244.9	260.8	267.6
25°	913.9	843.6	614.6	369.6	269.9	192.8	188.2	170.1	256.3	292.5	290.3
27.5°	1054.5	954.7	591.9	347.0	195.0	165.5	151.9	172.3	179.1	201.8	215.4
30°	1179.2	1059.0	684.8	322.0	163.3	124.7	136.1	140.6	174.6	188.2	188.2
32.5°	1174.7	1029.5	612.3	274.4	133.8	113.4	113.4	133.8	154.2	186.0	188.2
35°	1172.4	1006.9	546.5	213.2	117.9	99.8	104.3	127.0	154.2	172.3	174.6
37.5°	1199.6	1000.1	480.8	172.3	106.6	95.2	99.8	120.2	165.5	183.7	183.7
40°	1240.4	1004.6	415.0	147.4	102.0	93.0	95.2	127.0	149.7	165.5	165.5
42.5°	1365.2	1070.4	358.3	136.1	102.0	90.7	90.7	117.9	151.9	179.1	181.4
45°	1458.1	1122.5	315.2	136.1	99.8	86.2	95.2	117.9	133.8	197.3	210.9
47.5°	1607.8	1217.8	274.4	136.1	99.8	83.9	88.4	115.7	140.6	226.8	235.8
50°	1757.5	1313.0	256.3	136.1	99.8	81.6	99.8	111.1	140.6	235.8	242.6
52.5°	1916.2	1430.9	244.9	136.1	99.8	86.2	108.9	133.8	151.9	210.9	208.6
55°	2079.5	1535.2	238.1	140.6	99.8	86.2	117.9	124.7	129.3	163.3	167.8
57.5°	2231.4	1662.2	251.7	140.6	97.5	90.7	111.1	122.5	113.4	142.9	145.1
60°	2351.6	1777.9	285.7	136.1	95.2	90.7	113.4	133.8	127.0	156.5	161.0
62.5°	2489.9	1900.3	365.1	138.3	95.2	93.0	127.0	145.1	129.3	154.2	163.3
65°	2671.4	2086.3	453.5	151.9	97.5	97.5	129.3	156.5	129.3	151.9	151.9
67.5°	2875.5	2258.6	453.5	176.9	104.3	104.3	129.3	165.5	138.3	151.9	151.9
70°	3025.1	2267.7	374.2	195.0	113.4	111.1	133.8	172.3	140.6	167.8	165.5
72.5°	2859.6	2020.5	310.7	192.8	122.5	115.7	151.9	176.9	142.9	190.5	188.2
75°	2510.4	1666.8	269.9	172.3	111.1	117.9	158.7	181.4	145.1	199.6	195.0
77.5°	1979.7	1215.5	229.0	145.1	97.5	113.4	163.3	186.0	149.7	210.9	208.6
80°	959.2	610.0	186.0	122.5	88.4	108.9	163.3	183.7	147.4	217.7	217.7
82.5°	433.1	303.9	127.0	83.9	88.4	111.1	167.8	186.0	147.4	213.2	210.9
85°	281.2	208.6	81.6	65.8	88.4	127.0	170.1	176.9	140.6	197.3	197.3
87.5°	210.9	145.1	43.1	40.8	97.5	138.3	170.1	163.3	136.1	186.0	181.4
90°	215.4	154.2	45.4	40.8	104.3	140.6	170.1	161.0	131.5	167.8	167.8
92.5°	233.6	170.1	52.2	45.4	106.6	127.0	161.0	145.1	122.5	145.1	142.9
95°	254.0	190.5	61.2	52.2	93.0	93.0	127.0	117.9	104.3	111.1	111.1
97.5°	186.0	136.1	54.4	56.7	70.3	59.0	83.9	79.4	54.4	49.9	47.6
100°	54.4	45.4	49.9	54.4	49.9	43.1	63.5	61.2	36.3	18.1	18.1
102.5°	20.4	22.7	45.4	49.9	38.6	31.7	45.4	49.9	29.5	4.5	6.8
105°	18.1	15.9	31.7	38.6	22.7	18.1	22.7	31.7	18.1	4.5	4.5
107.5°	20.4	15.9	15.9	20.4	9.1	9.1	9.1	11.3	6.8	4.5	4.5
110°	20.4	15.9	9.1	9.1	6.8	6.8	6.8	4.5	4.5	4.5	4.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.4	15.9	9.1	9.1	6.8	6.8	4.5	4.5	6.8	11.3	11.3
115°	22.7	18.1	9.1	6.8	4.5	6.8	4.5	2.3	6.8	15.9	15.9
117.5°	27.2	20.4	6.8	6.8	4.5	4.5	4.5	2.3	6.8	20.4	22.7
120°	34.0	24.9	9.1	4.5	4.5	4.5	4.5	2.3	9.1	22.7	24.9
122.5°	34.0	27.2	9.1	4.5	4.5	2.3	2.3	4.5	9.1	22.7	24.9
125°	31.7	24.9	9.1	4.5	4.5	2.3	2.3	2.3	11.3	22.7	24.9
127.5°	24.9	22.7	9.1	4.5	2.3	2.3	2.3	4.5	9.1	20.4	20.4
130°	20.4	18.1	6.8	4.5	2.3	2.3	2.3	2.3	9.1	15.9	18.1
132.5°	15.9	13.6	6.8	4.5	2.3	2.3	2.3	2.3	9.1	15.9	15.9
135°	11.3	11.3	4.5	2.3	2.3	2.3	2.3	2.3	6.8	11.3	13.6
137.5°	4.5	4.5	4.5	2.3	2.3	2.3	2.3	2.3	4.5	6.8	6.8
140°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	4.5	4.5
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.5
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	4.5	4.5
155°	6.8	6.8	6.8	4.5	2.3	0.0	0.0	0.0	2.3	2.3	4.5
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)