

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: P560625

Luminaire Tested: **SDL-PA1-50-827-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-827-U-T2R
Description: Springdale
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4685.5 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 52.4
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

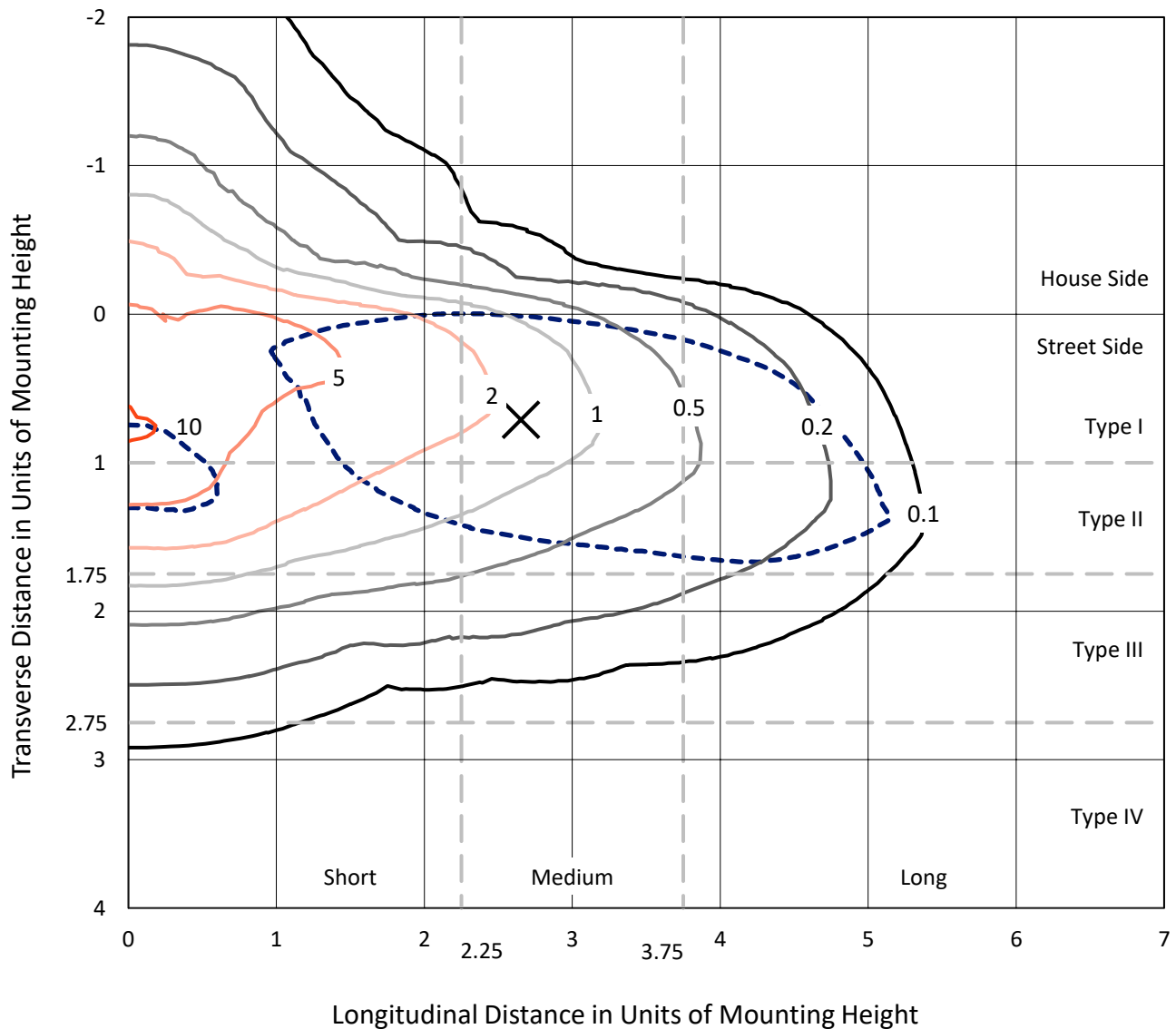


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

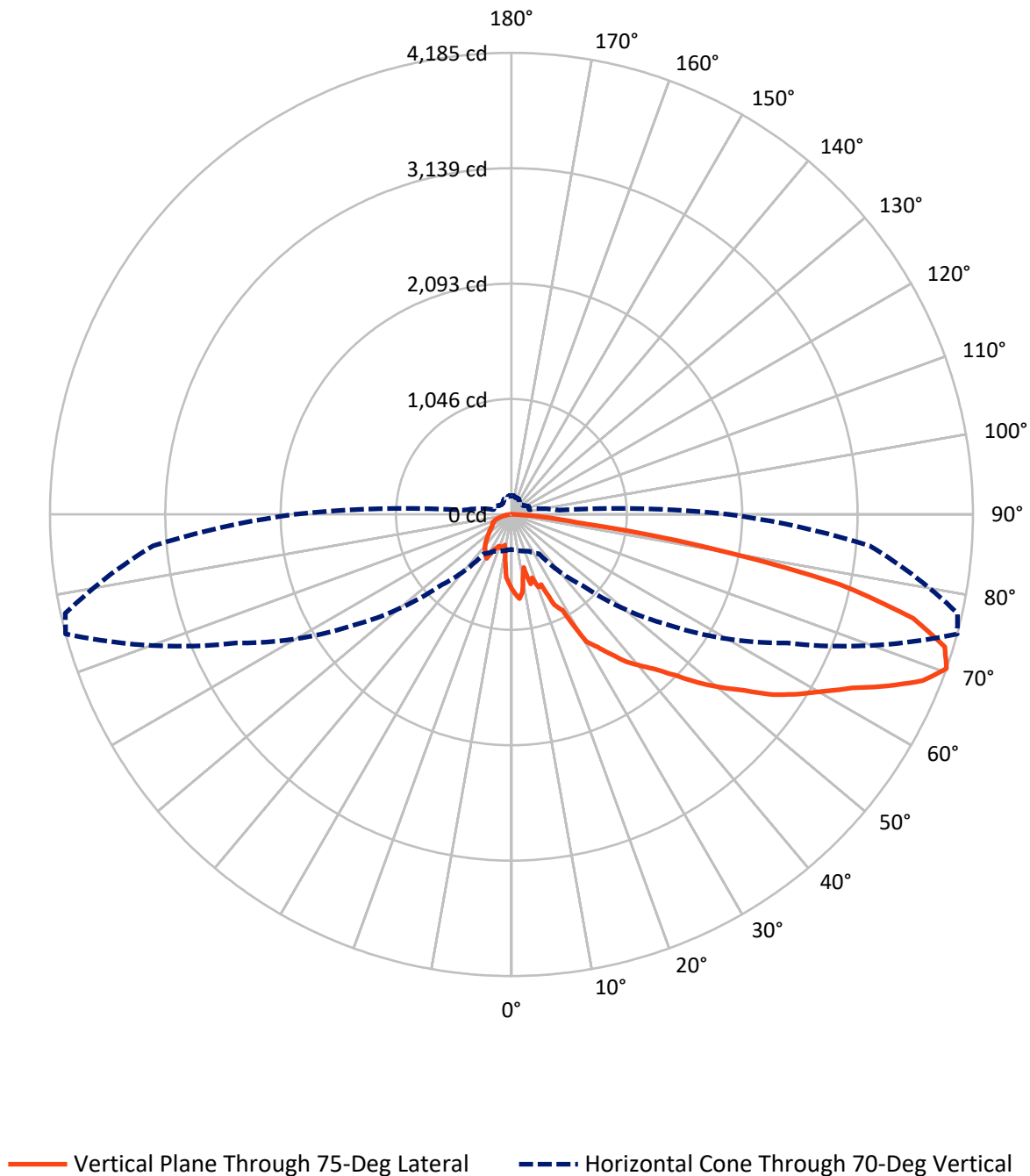


Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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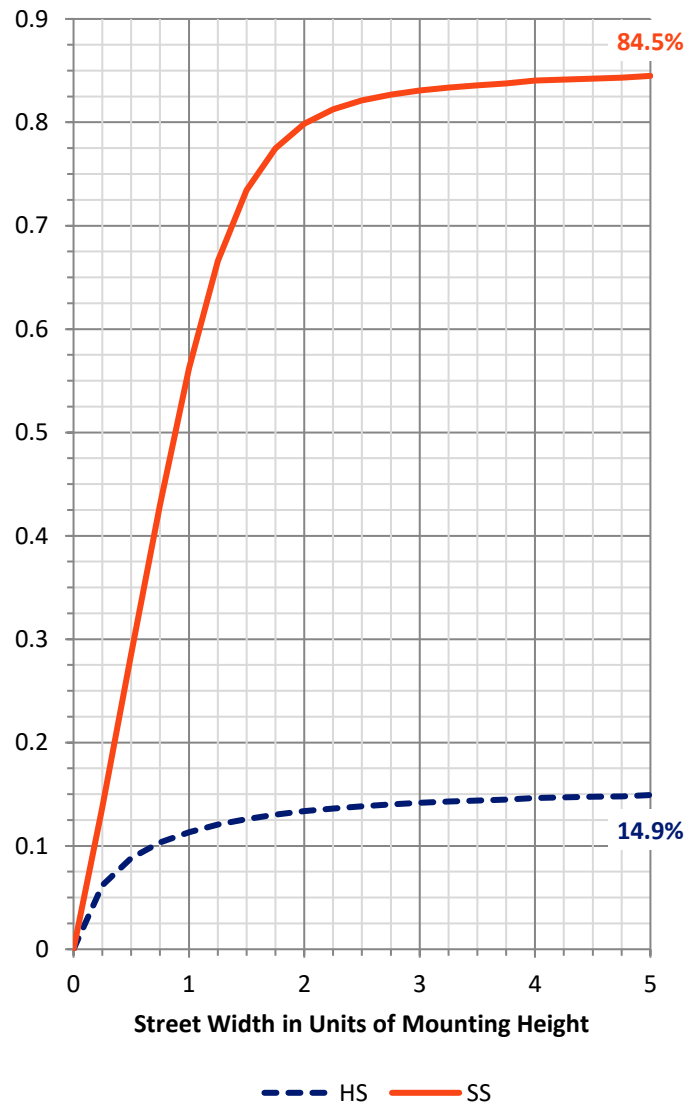
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	712.8	0.0	712.8
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	3972.8	0.0	3972.8
	% Fixture	84.8	0.0	84.8
Total	Lumens	4685.5	0.0	4685.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	1.2
10°-20°	148.9	3.2
20°-30°	272.1	5.8
30°-40°	552.4	11.8
40°-50°	847.9	18.1
50°-60°	1022.1	21.8
60°-70°	988.5	21.1
70°-80°	685.7	14.6
80°-90°	112.0	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4685.5	100.0
0°-180°	4685.5	100.0

Coefficient of Utilization



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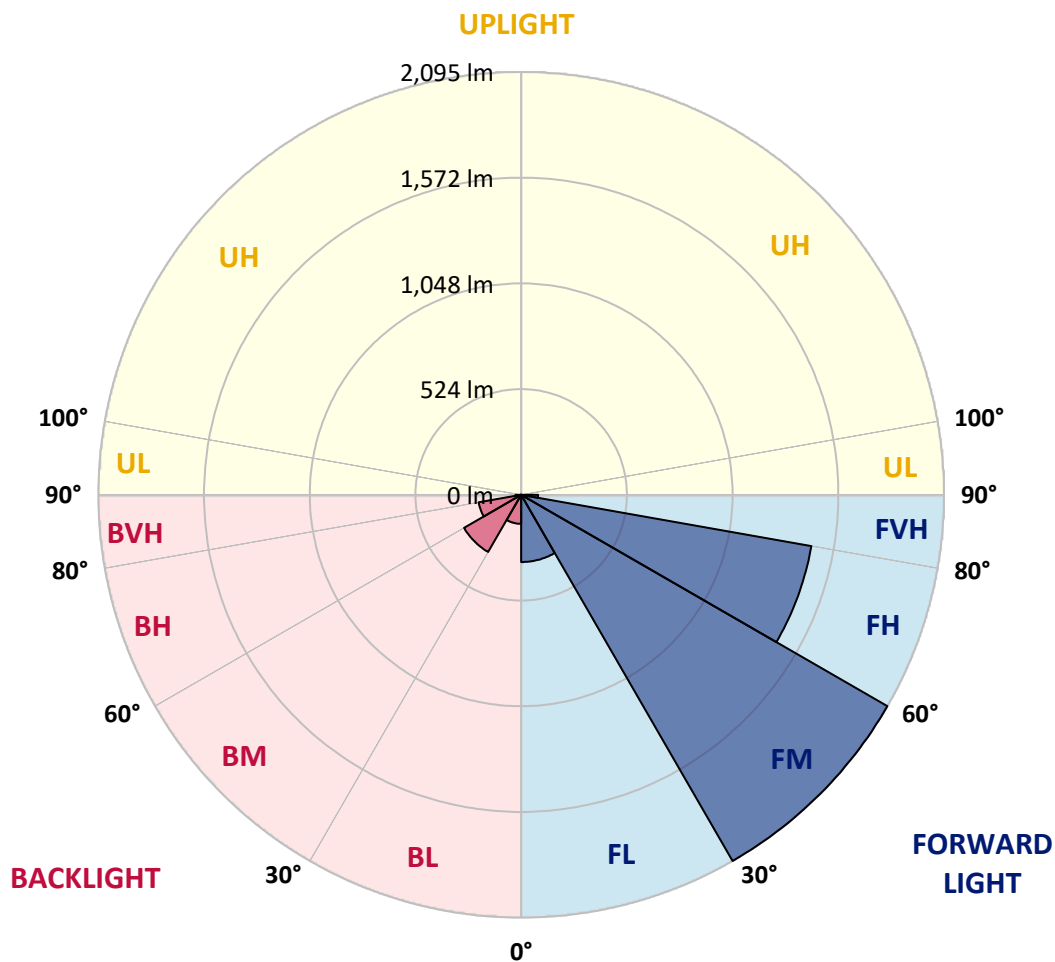
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.1	7.1			
FM	(30°-60°)	2095.5	44.7			
FH	(60°-80°)	1460.4	31.2			G1/1800
FVH	(80°-90°)	83.9	1.8			G1/100
BL	(0°-30°)	143.9	3.1	B1/500		
BM	(30°-60°)	326.9	7.0	B1/1000		
BH	(60°-80°)	213.8	4.6	B1/500		G1/500
BVH	(80°-90°)	28.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1
2.5°	703.0	770.2	737.4	775.4	794.3	782.2	771.9	746.1	723.7	715.1	692.7
5°	775.4	773.6	765.0	761.6	746.1	727.1	711.6	797.8	766.7	751.2	711.6
7.5°	687.5	746.1	789.1	811.5	811.5	789.1	765.0	659.9	713.3	699.5	642.7
10°	863.2	863.2	861.5	863.2	708.2	746.1	641.0	596.2	577.2	622.0	577.2
12.5°	734.0	797.8	870.1	896.0	825.3	704.7	656.5	630.6	494.5	484.2	511.7
15°	863.2	868.4	875.3	770.2	654.7	747.8	572.0	566.9	654.7	639.2	646.1
17.5°	692.7	699.5	849.4	830.5	761.6	566.9	713.3	637.5	604.8	584.1	582.4
20°	873.6	877.0	875.3	656.5	703.0	771.9	739.2	561.7	704.7	713.3	721.9
22.5°	739.2	740.9	749.5	835.7	711.6	804.6	666.8	837.4	690.9	711.6	537.6
25°	994.2	994.2	963.2	753.0	861.5	734.0	811.5	720.2	906.3	882.2	808.1
27.5°	927.0	920.1	883.9	932.1	777.1	928.7	802.9	904.6	983.8	949.4	980.4
30°	1302.6	1311.2	1264.7	968.3	945.9	890.8	925.3	1071.7	1338.8	1319.8	1178.5
32.5°	1743.7	1662.7	1450.8	1254.4	1033.8	1087.2	1033.8	1264.7	1433.5	1437.0	1247.5
35°	1957.3	1950.4	1859.1	1480.1	1188.9	1188.9	1159.6	1319.8	1555.9	1533.5	1321.6
37.5°	2127.9	2117.6	2053.8	1673.0	1328.4	1321.6	1226.8	1404.3	1695.4	1638.6	1402.5
40°	2272.7	2258.9	2203.7	1807.4	1480.1	1447.3	1309.5	1500.7	1804.0	1809.2	1480.1
42.5°	2369.1	2364.0	2324.3	1929.8	1605.8	1547.3	1419.8	1624.8	1919.4	1948.7	1576.6
45°	2445.0	2443.2	2408.8	2064.2	1695.4	1638.6	1536.9	1717.8	2078.0	2095.2	1679.9
47.5°	2453.6	2460.5	2460.5	2131.4	1757.5	1719.6	1657.5	1800.5	2279.5	2243.4	1800.5
50°	2364.0	2370.9	2413.9	2243.4	1810.9	1786.8	1760.9	1900.5	2463.9	2410.5	1928.1
52.5°	2134.8	2150.3	2267.5	2188.2	1838.5	1836.7	1857.4	2029.7	2651.7	2594.9	2096.9
55°	1642.0	1652.4	1943.6	2026.3	1829.8	1848.8	1929.8	2189.9	2884.3	2834.4	2274.4
57.5°	1254.4	1283.6	1466.3	1719.6	1735.1	1838.5	1976.3	2301.9	3072.1	3022.2	2438.1
60°	1009.7	1030.4	1137.2	1359.5	1531.8	1793.7	2040.0	2441.5	3254.8	3230.6	2613.8
62.5°	790.9	804.6	878.7	1025.2	1244.0	1688.6	2079.7	2593.1	3465.0	3452.9	2843.0
65°	566.9	580.7	646.1	742.6	961.4	1490.4	2060.7	2737.9	3747.6	3735.5	3065.2
67.5°	413.5	417.0	460.0	525.5	682.3	1206.1	1967.7	2829.2	4023.2	3999.1	3235.8
70°	318.8	322.2	342.9	367.0	435.9	913.2	1750.6	2760.3	4185.2	4143.8	3261.7
72.5°	258.5	258.5	267.1	279.1	298.1	596.2	1375.0	2489.8	4109.4	4028.4	3046.3
75°	217.1	217.1	222.3	218.8	208.5	372.2	956.3	2079.7	3763.1	3661.4	2651.7
77.5°	182.6	180.9	180.9	182.6	162.0	253.3	584.1	1602.4	3041.1	2942.9	1966.0
80°	149.9	149.9	149.9	149.9	132.7	180.9	348.0	1063.1	1747.1	1524.9	901.1
82.5°	110.3	112.0	117.2	117.2	110.3	132.7	180.9	444.5	597.9	529.0	318.8
85°	51.7	53.4	68.9	72.4	70.6	65.5	94.8	199.9	279.1	253.3	74.1
87.5°	1.7	1.7	6.9	15.5	13.8	10.3	19.0	27.6	10.3	12.1	8.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1
2.5°	677.1	661.6	625.5	594.4	561.7	539.3	489.3	453.2	434.2	430.8	435.9
5°	680.6	646.1	573.8	482.4	413.5	396.3	389.4	387.7	386.0	386.0	386.0
7.5°	599.6	554.8	446.3	379.1	389.4	389.4	389.4	384.2	353.2	339.4	339.4
10°	529.0	470.4	332.5	306.7	308.4	323.9	365.3	408.4	417.0	418.7	420.4
12.5°	458.3	401.5	282.6	298.1	268.8	318.8	377.3	420.4	379.1	358.4	358.4
15°	577.2	496.2	327.4	261.9	265.3	318.8	287.7	389.4	417.0	418.7	420.4
17.5°	520.3	437.6	305.0	275.7	291.2	242.9	329.1	368.7	339.4	336.0	332.5
20°	632.3	520.3	318.8	274.0	272.2	294.6	279.1	279.1	379.1	379.1	379.1
22.5°	468.7	386.0	310.1	308.4	260.2	291.2	277.4	310.1	298.1	292.9	292.9
25°	687.5	544.5	339.4	270.5	279.1	256.7	286.0	255.0	315.3	318.8	318.8
27.5°	825.3	639.2	368.7	299.8	256.7	275.7	236.1	256.7	242.9	244.7	244.7
30°	983.8	749.5	458.3	313.6	263.6	227.4	234.3	222.3	263.6	258.5	256.7
32.5°	1026.9	756.4	441.1	332.5	256.7	229.2	211.9	229.2	244.7	267.1	267.1
35°	1076.9	763.3	417.0	317.0	251.6	213.7	210.2	229.2	248.1	241.2	241.2
37.5°	1123.4	768.5	398.0	298.1	230.9	208.5	208.5	211.9	230.9	220.5	220.5
40°	1176.8	770.2	375.6	277.4	213.7	205.0	193.0	196.4	198.1	191.3	189.5
42.5°	1237.1	768.5	349.8	258.5	198.1	191.3	182.6	182.6	187.8	186.1	184.4
45°	1302.6	766.7	322.2	236.1	180.9	172.3	167.1	187.8	196.4	196.4	193.0
47.5°	1381.9	766.7	296.4	210.2	168.9	155.1	151.6	174.0	191.3	194.7	198.1
50°	1473.2	763.3	272.2	191.3	156.8	144.7	149.9	172.3	186.1	191.3	189.5
52.5°	1592.1	756.4	251.6	175.7	148.2	132.7	141.3	167.1	184.4	186.1	184.4
55°	1695.4	732.3	230.9	168.9	141.3	125.8	136.1	165.4	180.9	180.9	180.9
57.5°	1783.3	697.8	213.7	163.7	139.6	124.1	134.4	163.7	174.0	179.2	179.2
60°	1890.1	654.7	201.6	162.0	137.8	122.3	132.7	162.0	170.6	177.5	177.5
62.5°	2000.4	618.6	194.7	162.0	132.7	124.1	132.7	162.0	168.9	177.5	175.7
65°	2090.0	572.0	187.8	165.4	130.9	124.1	132.7	162.0	167.1	175.7	175.7
67.5°	2084.8	508.3	179.2	174.0	132.7	125.8	132.7	160.2	163.7	175.7	172.3
70°	1967.7	434.2	165.4	172.3	137.8	125.8	130.9	155.1	156.8	172.3	167.1
72.5°	1755.7	351.5	146.5	162.0	137.8	127.5	127.5	148.2	148.2	165.4	155.1
75°	1469.7	270.5	120.6	143.0	130.9	130.9	120.6	139.6	136.1	146.5	136.1
77.5°	1095.8	205.0	93.0	118.9	118.9	129.2	115.4	129.2	124.1	125.8	120.6
80°	456.6	124.1	70.6	93.0	101.7	125.8	110.3	117.2	105.1	105.1	101.7
82.5°	189.5	79.3	48.2	58.6	68.9	112.0	105.1	99.9	86.2	79.3	74.1
85°	68.9	43.1	32.7	39.6	44.8	77.5	75.8	63.8	50.0	55.1	44.8
87.5°	5.2	6.9	6.9	8.6	8.6	10.3	17.2	17.2	10.3	8.6	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)