

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: P560842

Luminaire Tested: **SDL-PA1-70-722-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-722-U-T2R-A
Description: Springdale
(1) 70 CRI, 2200K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5121.8 lumens
Efficiency: N/A
Efficacy: 70.9 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 - 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

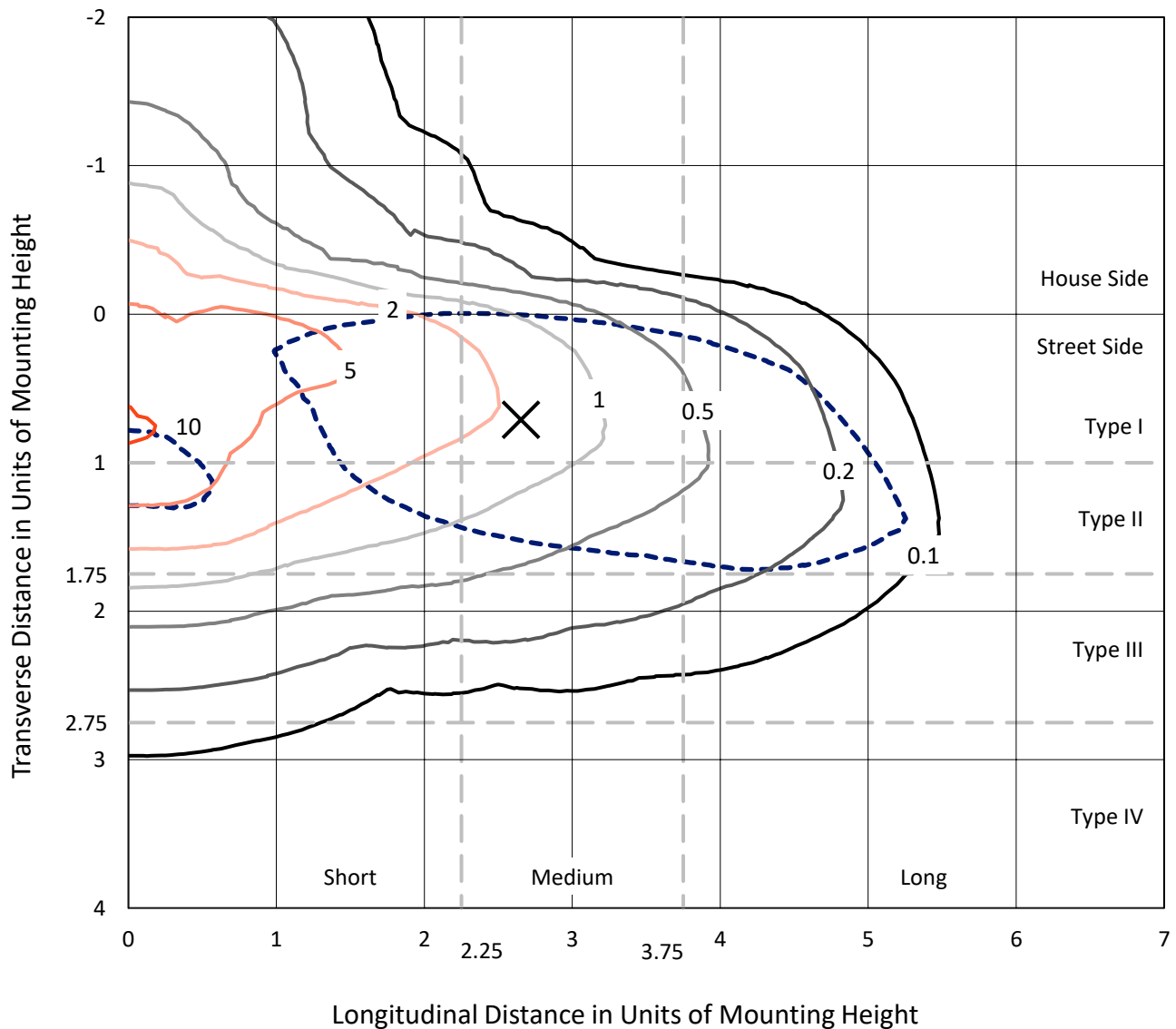


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

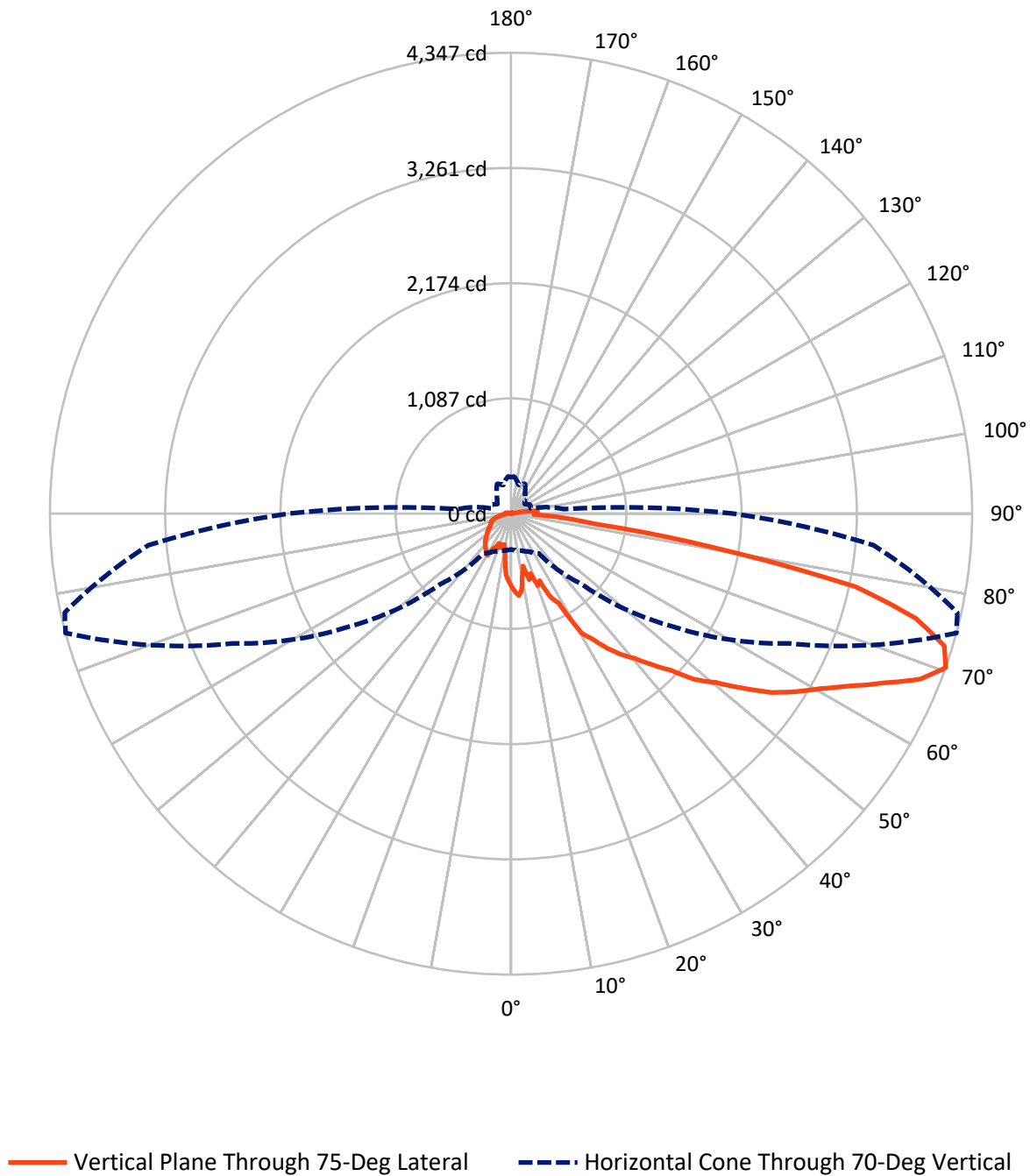


Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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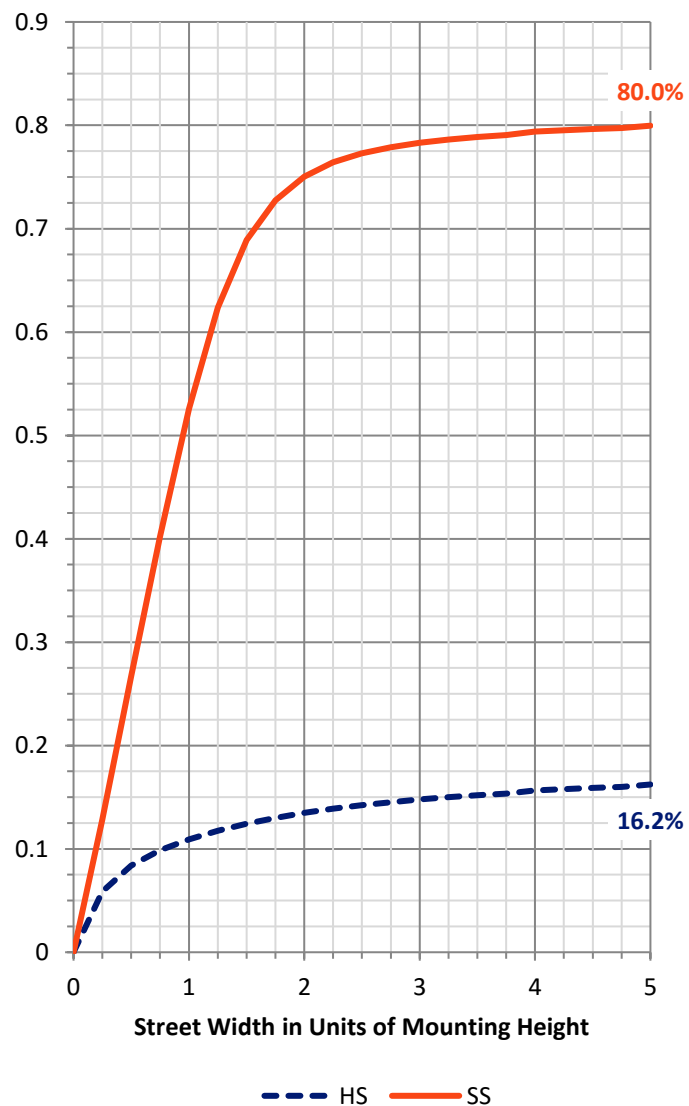
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	875.6	52.3	927.9
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	4127.7	66.2	4193.9
	% Fixture	80.6	1.3	81.9
Total	Lumens	5003.3	118.5	5121.8
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	1.1
10°-20°	149.4	2.9
20°-30°	269.7	5.3
30°-40°	551.1	10.8
40°-50°	865.5	16.9
50°-60°	1062.8	20.7
60°-70°	1057.0	20.6
70°-80°	781.8	15.3
80°-90°	208.9	4.1
90°-100°	77.2	1.5
100°-110°	18.0	0.4
110°-120°	8.5	0.2
120°-130°	7.6	0.1
130°-140°	3.7	0.1
140°-150°	1.8	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5003.3	97.7
0°-180°	5121.8	100.0

Coefficient of Utilization



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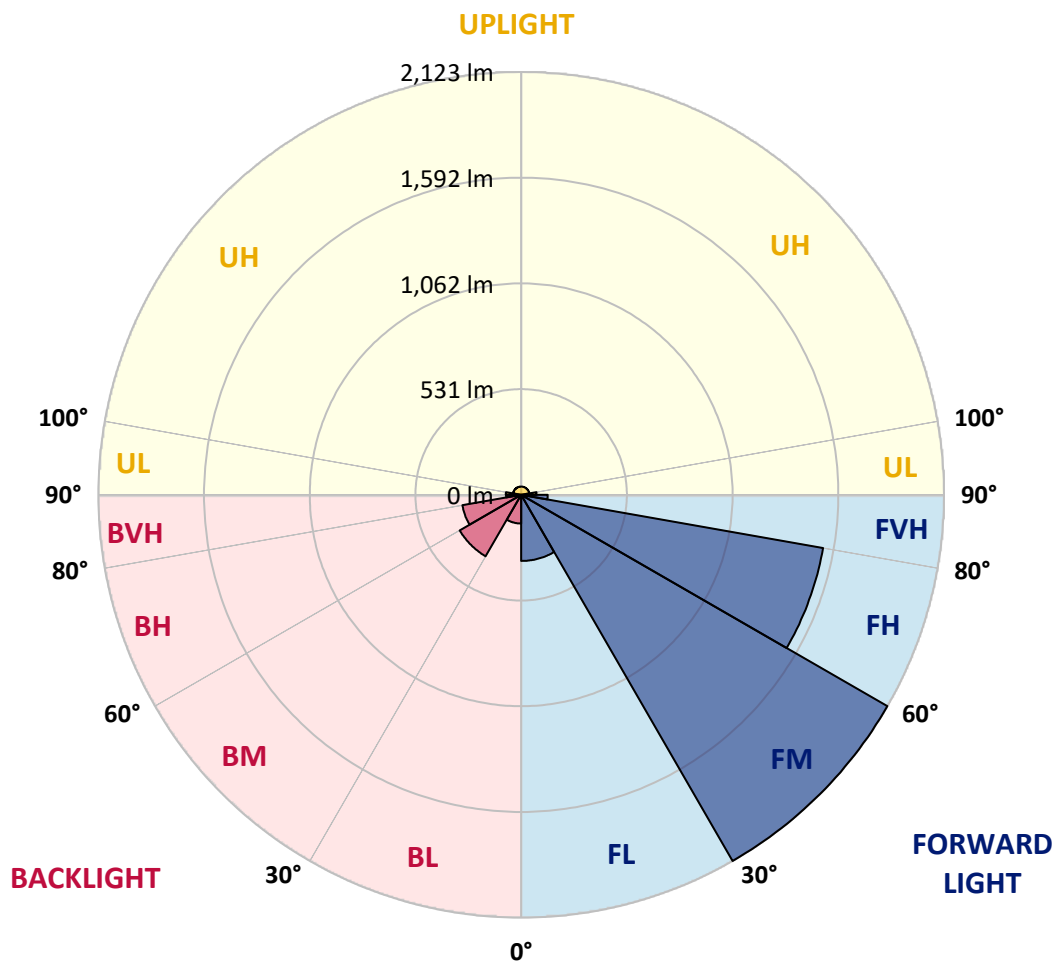
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	332.0	6.5			
FM	(30°-60°)	2123.1	41.5			
FH	(60°-80°)	1539.3	30.1			G1/1800
FVH	(80°-90°)	133.3	2.6			G2/225
BL	(0°-30°)	144.3	2.8	B1/500		
BM	(30°-60°)	356.3	7.0	B1/1000		
BH	(60°-80°)	299.5	5.8	B1/500		G1/500
BVH	(80°-90°)	75.5	1.5			G1/100
UL	(90°-100°)	77.2	1.5		U3/500	
UH	(100°-180°)	41.4	0.8		U2/50	

BUG Rating: B1-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	686.5	686.5	686.5	686.5	686.5	686.5	686.5	686.5	686.5	686.5	686.5
2.5°	712.6	752.6	770.6	790.6	808.6	798.6	782.6	758.6	736.6	728.6	704.5
5°	786.6	782.6	780.6	774.6	764.6	746.6	724.6	810.6	776.6	762.6	722.6
7.5°	692.5	802.6	814.6	826.6	822.6	800.6	772.6	694.5	724.6	706.5	656.5
10°	846.7	846.7	842.7	846.7	800.6	764.6	654.5	608.5	586.5	634.5	588.5
12.5°	720.6	784.6	864.7	880.7	810.6	710.6	664.5	642.5	506.4	500.4	536.4
15°	838.7	848.7	850.7	854.7	690.5	744.6	614.5	570.4	646.5	628.5	634.5
17.5°	674.5	684.5	814.6	806.6	742.6	594.5	718.6	644.5	594.5	572.4	564.4
20°	848.7	850.7	844.7	682.5	716.6	776.6	672.5	652.5	724.6	722.6	692.5
22.5°	722.6	724.6	746.6	822.6	740.6	784.6	676.5	814.6	686.5	688.5	534.4
25°	966.8	968.8	948.7	732.6	832.6	736.6	820.6	732.6	876.7	848.7	782.6
27.5°	1014.8	940.7	864.7	908.7	794.6	914.7	780.6	886.7	952.7	946.7	956.7
30°	1287.0	1291.0	1239.0	994.8	930.7	902.7	900.7	1052.8	1305.0	1315.0	1148.9
32.5°	1743.4	1719.3	1463.1	1227.0	1002.8	1100.9	1010.8	1218.9	1411.1	1405.1	1231.0
35°	1951.5	1927.5	1831.4	1515.2	1158.9	1188.9	1140.9	1297.0	1557.2	1511.2	1313.0
37.5°	2127.7	2123.6	2043.6	1669.3	1317.0	1361.1	1218.9	1393.1	1683.3	1635.3	1397.1
40°	2279.8	2265.8	2195.7	1807.4	1479.1	1481.1	1317.0	1509.2	1795.4	1807.4	1479.1
42.5°	2405.9	2393.9	2335.8	1945.5	1575.2	1587.2	1421.1	1627.3	1945.5	1967.5	1607.2
45°	2457.9	2463.9	2423.9	2069.6	1661.3	1683.3	1545.2	1747.4	2105.6	2123.6	1721.3
47.5°	2495.9	2497.9	2487.9	2171.7	1753.4	1763.4	1667.3	1855.4	2337.8	2301.8	1855.4
50°	2409.9	2401.9	2411.9	2249.7	1833.4	1845.4	1769.4	1967.5	2503.9	2457.9	1995.5
52.5°	2183.7	2193.7	2297.8	2209.7	1859.4	1883.5	1865.4	2065.6	2734.1	2698.1	2195.7
55°	1615.3	1659.3	1959.5	2045.6	1857.4	1899.5	1953.5	2251.7	2976.3	2922.3	2365.8
57.5°	1307.0	1307.0	1483.2	1765.4	1755.4	1889.5	2043.6	2377.8	3168.5	3130.4	2536.0
60°	1048.8	1048.8	1144.9	1401.1	1557.2	1839.4	2135.7	2564.0	3350.6	3328.6	2686.1
62.5°	822.6	820.6	900.7	1044.8	1277.0	1729.3	2183.7	2724.1	3578.8	3574.8	2926.3
65°	594.5	602.5	670.5	760.6	1002.8	1523.2	2181.7	2868.2	3853.0	3865.0	3196.5
67.5°	440.3	444.3	482.4	548.4	688.5	1263.0	2085.6	2968.3	4163.2	4143.2	3368.6
70°	338.3	344.3	360.3	394.3	458.4	938.7	1853.4	2898.2	4347.4	4309.3	3432.7
72.5°	284.2	286.2	284.2	302.2	306.2	636.5	1485.2	2632.0	4271.3	4211.3	3256.5
75°	242.2	240.2	238.2	242.2	226.2	420.3	1064.8	2227.7	3943.1	3839.0	2876.2
77.5°	208.2	206.2	198.2	200.2	180.1	310.2	726.6	1747.4	3322.6	3078.4	2161.7
80°	172.1	172.1	166.1	166.1	152.1	236.2	464.4	1204.9	1935.5	1741.4	1124.9
82.5°	134.1	132.1	132.1	136.1	130.1	184.1	304.2	600.5	798.6	748.6	526.4
85°	72.1	72.1	82.1	92.1	90.1	112.1	232.2	354.3	472.4	456.4	294.2
87.5°	22.0	22.0	24.0	30.0	32.0	60.0	146.1	172.1	214.2	236.2	232.2
90°	24.0	22.0	16.0	18.0	20.0	44.0	136.1	166.1	216.2	240.2	246.2
92.5°	28.0	26.0	16.0	16.0	20.0	36.0	130.1	162.1	236.2	260.2	266.2
95°	30.0	28.0	16.0	16.0	20.0	32.0	116.1	160.1	252.2	284.2	284.2
97.5°	28.0	26.0	12.0	14.0	18.0	28.0	90.1	132.1	176.1	194.2	224.2
100°	24.0	24.0	8.0	12.0	16.0	20.0	52.0	72.1	52.0	50.0	50.0
102.5°	22.0	22.0	8.0	10.0	12.0	14.0	24.0	38.0	12.0	14.0	18.0
105°	22.0	24.0	6.0	8.0	8.0	8.0	12.0	20.0	10.0	12.0	18.0
107.5°	22.0	24.0	6.0	6.0	8.0	6.0	6.0	8.0	10.0	12.0	20.0
110°	20.0	20.0	4.0	6.0	6.0	6.0	4.0	6.0	10.0	14.0	20.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	14.0	14.0	4.0	6.0	6.0	6.0	4.0	6.0	10.0	14.0	20.0
115°	10.0	8.0	4.0	6.0	4.0	6.0	4.0	6.0	10.0	14.0	18.0
117.5°	8.0	6.0	4.0	4.0	4.0	4.0	2.0	6.0	12.0	16.0	22.0
120°	8.0	8.0	4.0	4.0	4.0	4.0	2.0	6.0	18.0	20.0	28.0
122.5°	8.0	8.0	4.0	4.0	4.0	4.0	2.0	4.0	16.0	22.0	30.0
125°	8.0	8.0	4.0	4.0	4.0	4.0	2.0	4.0	14.0	20.0	26.0
127.5°	8.0	8.0	4.0	2.0	4.0	4.0	4.0	4.0	12.0	16.0	22.0
130°	8.0	8.0	4.0	2.0	4.0	4.0	4.0	4.0	10.0	12.0	18.0
132.5°	6.0	6.0	4.0	2.0	4.0	2.0	2.0	4.0	8.0	10.0	14.0
135°	4.0	4.0	4.0	2.0	4.0	2.0	2.0	2.0	4.0	6.0	10.0
137.5°	2.0	4.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0
140°	2.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	8.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0
150°	10.0	10.0	10.0	8.0	6.0	4.0	6.0	2.0	2.0	2.0	2.0
152.5°	10.0	10.0	12.0	6.0	4.0	2.0	2.0	8.0	6.0	4.0	4.0
155°	8.0	6.0	6.0	2.0	2.0	2.0	2.0	2.0	6.0	8.0	8.0
157.5°	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	2.0	2.0
160°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	686.5	686.5	686.5	686.5	686.5	686.5	686.5	686.5	686.5	686.5	686.5
2.5°	690.5	674.5	636.5	608.5	574.4	544.4	518.4	460.4	450.3	444.3	442.3
5°	690.5	656.5	582.5	492.4	422.3	406.3	398.3	398.3	394.3	396.3	398.3
7.5°	612.5	566.4	454.4	384.3	396.3	396.3	398.3	388.3	356.3	360.3	354.3
10°	536.4	478.4	342.3	312.2	342.3	344.3	390.3	408.3	414.3	416.3	416.3
12.5°	494.4	412.3	296.2	306.2	276.2	316.2	372.3	416.3	378.3	358.3	358.3
15°	568.4	488.4	332.3	268.2	272.2	316.2	282.2	394.3	408.3	412.3	412.3
17.5°	510.4	430.3	304.2	276.2	304.2	260.2	318.2	362.3	346.3	328.3	326.3
20°	612.5	508.4	340.3	270.2	268.2	308.2	282.2	296.2	370.3	372.3	370.3
22.5°	476.4	406.3	302.2	306.2	268.2	294.2	278.2	306.2	292.2	290.2	292.2
25°	660.5	526.4	348.3	264.2	280.2	260.2	280.2	258.2	310.2	314.2	316.2
27.5°	808.6	628.5	370.3	286.2	244.2	266.2	250.2	258.2	240.2	250.2	254.2
30°	962.7	732.6	452.4	316.2	258.2	228.2	232.2	230.2	260.2	258.2	254.2
32.5°	1012.8	746.6	432.3	330.3	256.2	230.2	212.2	226.2	248.2	266.2	268.2
35°	1062.8	756.6	416.3	316.2	250.2	216.2	208.2	232.2	250.2	252.2	258.2
37.5°	1120.9	764.6	400.3	296.2	232.2	212.2	206.2	216.2	256.2	252.2	246.2
40°	1174.9	768.6	380.3	278.2	212.2	208.2	192.1	216.2	226.2	234.2	238.2
42.5°	1271.0	792.6	364.3	262.2	198.2	198.2	184.1	202.2	232.2	236.2	234.2
45°	1341.0	784.6	342.3	248.2	184.1	176.1	180.1	220.2	234.2	258.2	254.2
47.5°	1441.1	804.6	316.2	226.2	172.1	162.1	170.1	214.2	240.2	258.2	262.2
50°	1539.2	800.6	294.2	208.2	164.1	154.1	188.1	208.2	236.2	266.2	266.2
52.5°	1667.3	806.6	284.2	192.1	154.1	154.1	194.2	210.2	242.2	262.2	262.2
55°	1781.4	784.6	260.2	186.1	152.1	148.1	196.2	218.2	244.2	262.2	264.2
57.5°	1865.4	740.6	242.2	180.1	150.1	152.1	196.2	236.2	228.2	262.2	268.2
60°	1957.5	692.5	226.2	180.1	150.1	158.1	202.2	250.2	250.2	274.2	274.2
62.5°	2083.6	662.5	218.2	182.1	146.1	164.1	220.2	272.2	252.2	290.2	292.2
65°	2189.7	622.5	212.2	190.1	148.1	172.1	230.2	290.2	264.2	308.2	306.2
67.5°	2191.7	562.4	204.2	198.2	150.1	178.1	230.2	302.2	278.2	324.3	318.2
70°	2095.6	502.4	192.1	198.2	156.1	184.1	230.2	310.2	280.2	350.3	344.3
72.5°	1889.5	410.3	174.1	190.1	166.1	192.1	242.2	308.2	280.2	378.3	372.3
75°	1607.2	328.3	150.1	174.1	166.1	202.2	250.2	306.2	270.2	360.3	348.3
77.5°	1222.9	268.2	126.1	152.1	158.1	206.2	250.2	302.2	262.2	336.3	328.3
80°	630.5	188.1	102.1	130.1	148.1	202.2	248.2	286.2	234.2	298.2	294.2
82.5°	346.3	138.1	82.1	96.1	124.1	190.1	240.2	258.2	206.2	244.2	234.2
85°	224.2	100.1	66.1	78.1	104.1	158.1	202.2	204.2	146.1	176.1	166.1
87.5°	168.1	58.0	42.0	48.0	72.1	88.1	128.1	132.1	92.1	108.1	102.1
90°	176.1	58.0	44.0	50.0	64.0	66.1	94.1	100.1	72.1	82.1	82.1
92.5°	188.1	58.0	46.0	52.0	58.0	52.0	74.1	82.1	60.0	66.1	64.0
95°	192.1	56.0	50.0	54.0	52.0	42.0	60.0	66.1	50.0	50.0	50.0
97.5°	140.1	40.0	50.0	54.0	48.0	34.0	46.0	52.0	32.0	26.0	26.0
100°	38.0	20.0	48.0	52.0	42.0	28.0	40.0	40.0	20.0	14.0	14.0
102.5°	16.0	16.0	42.0	46.0	32.0	18.0	28.0	28.0	14.0	6.0	6.0
105°	16.0	12.0	30.0	34.0	22.0	10.0	14.0	16.0	10.0	6.0	6.0
107.5°	16.0	12.0	14.0	18.0	10.0	8.0	8.0	8.0	6.0	6.0	6.0
110°	18.0	12.0	8.0	10.0	8.0	6.0	6.0	6.0	6.0	8.0	10.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.0	14.0	8.0	10.0	8.0	6.0	6.0	6.0	8.0	18.0	18.0
115°	18.0	12.0	8.0	8.0	6.0	6.0	4.0	4.0	8.0	22.0	22.0
117.5°	20.0	14.0	8.0	8.0	6.0	4.0	4.0	4.0	10.0	26.0	26.0
120°	24.0	16.0	8.0	6.0	4.0	4.0	4.0	4.0	12.0	28.0	28.0
122.5°	26.0	18.0	8.0	6.0	4.0	2.0	4.0	6.0	14.0	28.0	28.0
125°	22.0	16.0	8.0	6.0	4.0	2.0	4.0	6.0	14.0	26.0	28.0
127.5°	20.0	14.0	8.0	4.0	4.0	2.0	2.0	6.0	12.0	20.0	24.0
130°	16.0	12.0	6.0	4.0	4.0	2.0	2.0	4.0	12.0	18.0	22.0
132.5°	14.0	10.0	6.0	4.0	4.0	2.0	2.0	4.0	12.0	16.0	16.0
135°	10.0	8.0	4.0	4.0	4.0	2.0	4.0	2.0	8.0	14.0	14.0
137.5°	6.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	6.0	8.0	8.0
140°	2.0	2.0	4.0	4.0	4.0	2.0	2.0	2.0	4.0	4.0	4.0
142.5°	2.0	2.0	4.0	4.0	4.0	2.0	2.0	2.0	4.0	4.0	4.0
145°	2.0	2.0	2.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0
147.5°	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0
150°	2.0	2.0	2.0	4.0	4.0	2.0	2.0	4.0	4.0	4.0	4.0
152.5°	2.0	2.0	4.0	4.0	2.0	2.0	2.0	4.0	4.0	4.0	4.0
155°	6.0	6.0	4.0	4.0	2.0	2.0	0.0	2.0	4.0	4.0	4.0
157.5°	2.0	2.0	4.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
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)