

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: P561251

Luminaire Tested: **SDL-PA1-90-730-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-730-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6316 lumens
Efficiency: N/A
Efficacy: 68.4 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 - G3

Input Watts (W): 92.4
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

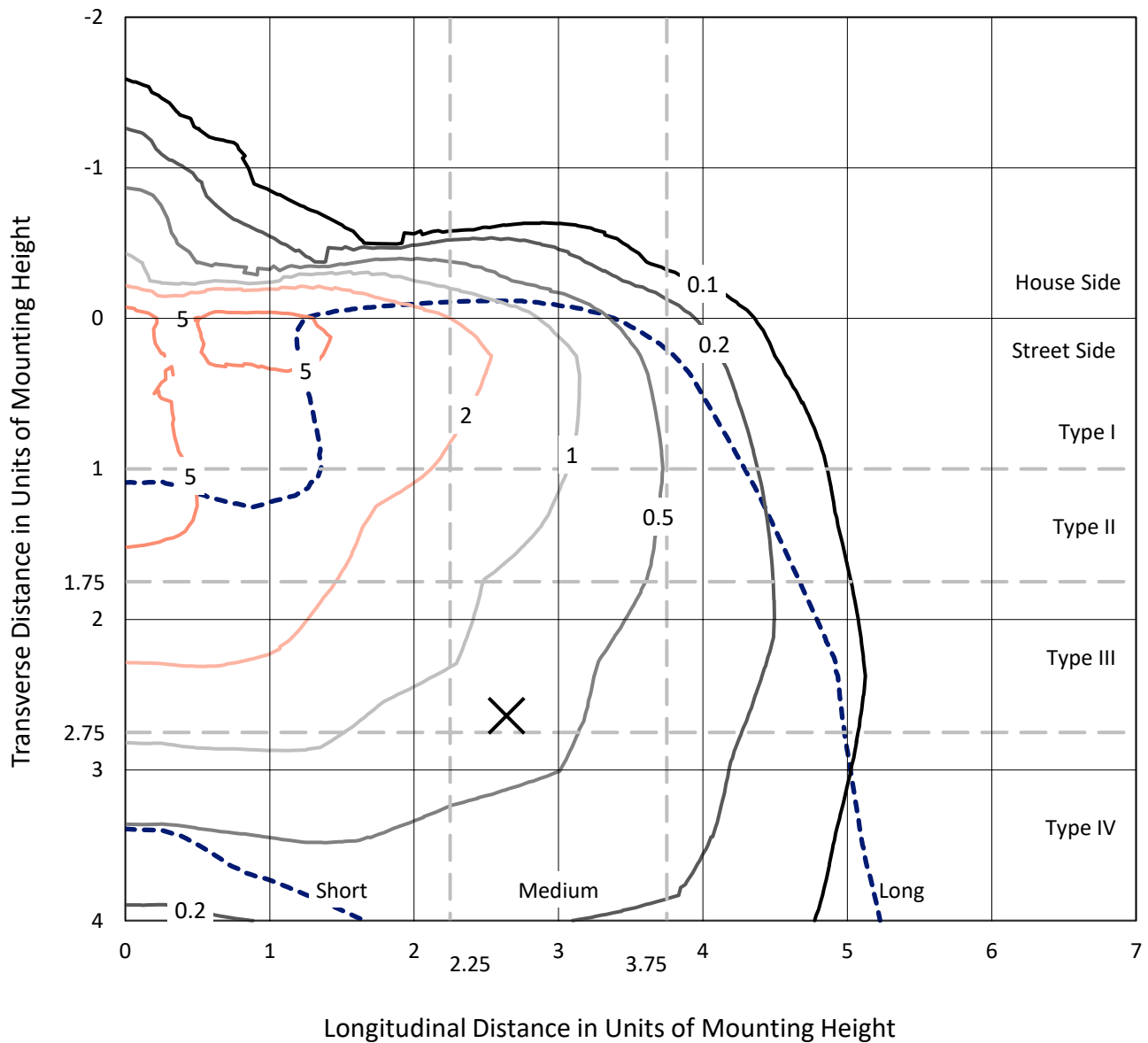


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

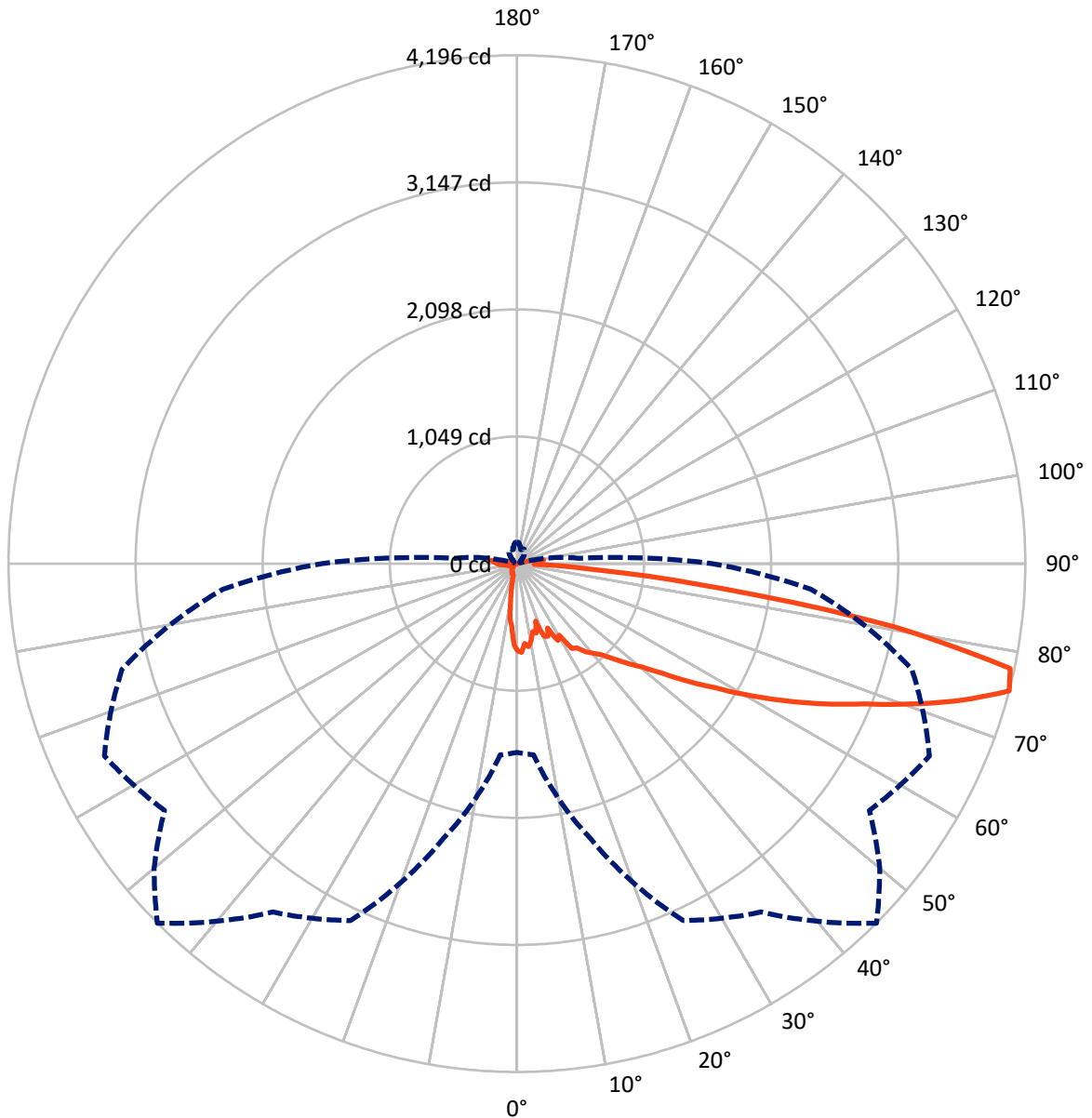


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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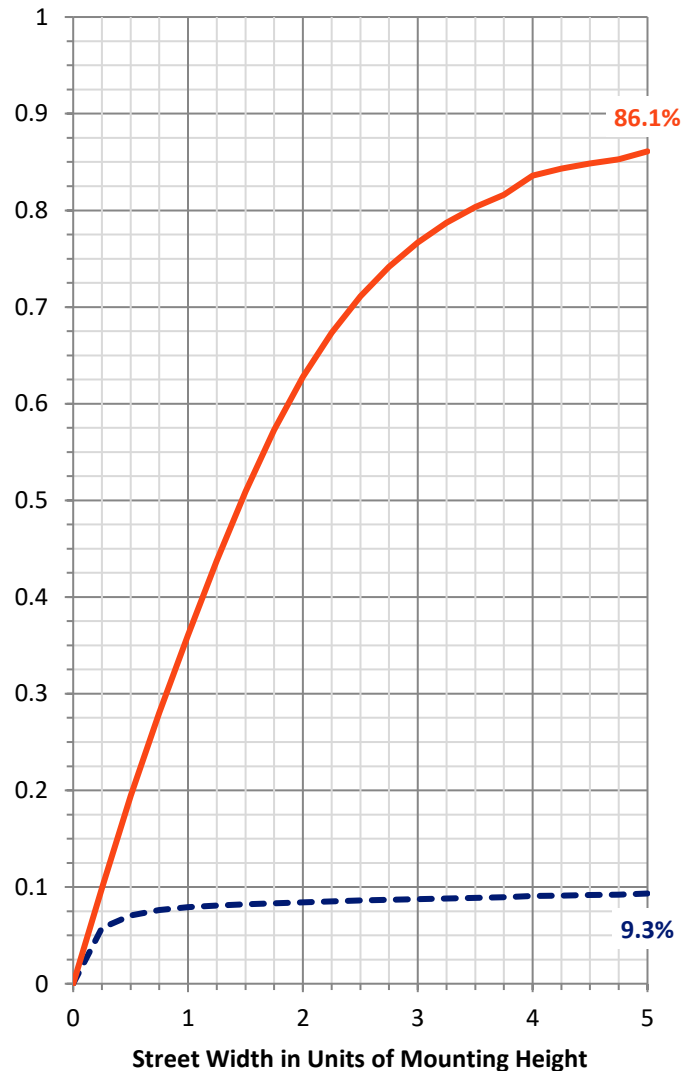
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	648.1	113.4	761.5
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	5466.8	87.7	5554.4
	% Fixture	86.6	1.4	87.9
Total	Lumens	6114.9	201.1	6316.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	0.9
10°-20°	120.9	1.9
20°-30°	202.7	3.2
30°-40°	375.9	6.0
40°-50°	633.5	10.0
50°-60°	1137.1	18.0
60°-70°	1707.4	27.0
70°-80°	1562.1	24.7
80°-90°	319.4	5.1
90°-100°	152.8	2.4
100°-110°	32.6	0.5
110°-120°	6.2	0.1
120°-130°	4.9	0.1
130°-140°	2.2	0.0
140°-150°	1.2	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6114.9	96.8
0°-180°	6316.0	100.0



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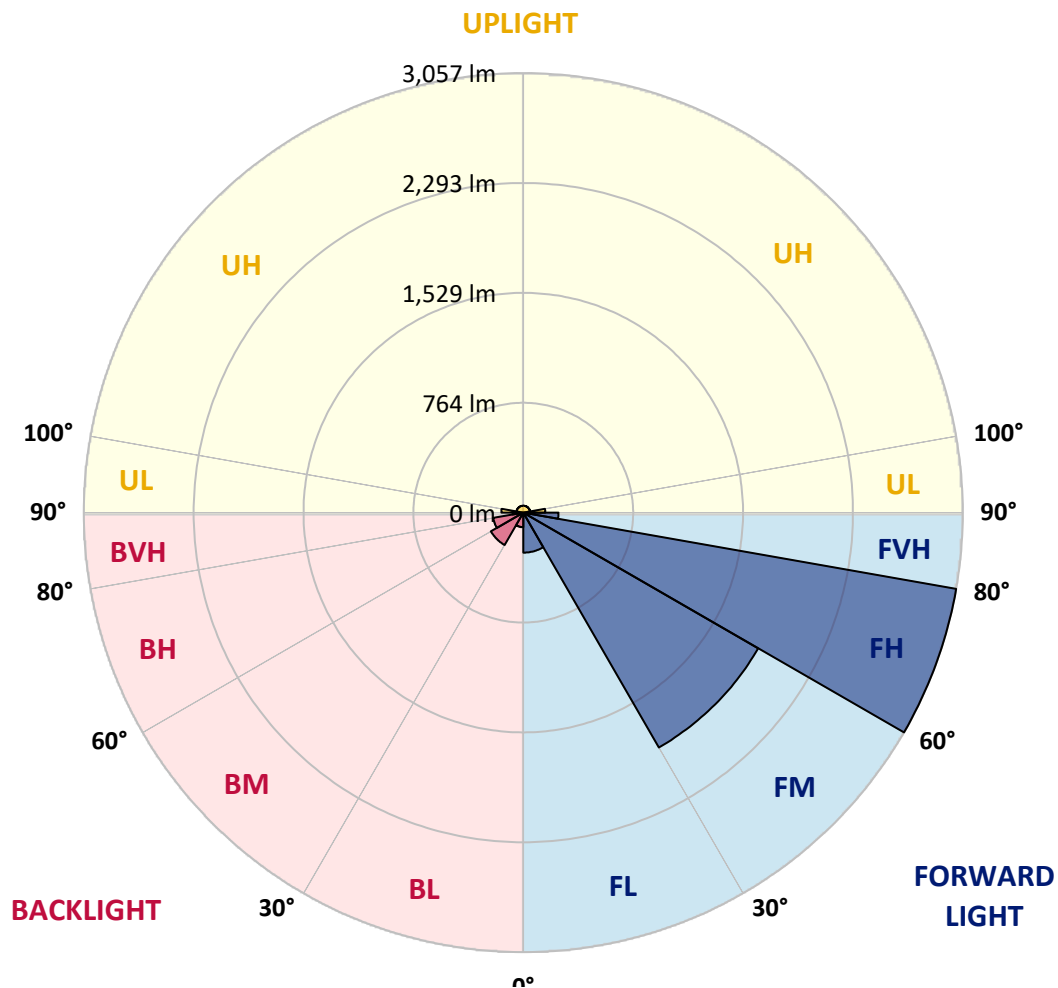
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.3	4.4			
FM	(30°-60°)	1886.5	29.9			
FH	(60°-80°)	3057.1	48.4			G2/5000
FVH	(80°-90°)	244.9	3.9			G3/500
BL	(0°-30°)	101.2	1.6	B0/110		
BM	(30°-60°)	260.0	4.1	B1/1000		
BH	(60°-80°)	212.4	3.4	B1/500		G1/500
BVH	(80°-90°)	74.5	1.2			G1/100
UL	(90°-100°)	152.8	2.4		U3/500	
UH	(100°-180°)	48.3	0.8		U2/50	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6
2.5°	699.4	733.2	723.0	739.9	736.5	733.2	733.2	736.5	733.2	726.4	719.6
5°	712.9	702.7	696.0	692.6	679.1	662.2	655.4	648.7	719.6	719.6	706.1
7.5°	733.2	733.2	719.6	709.5	709.5	692.6	675.7	662.2	628.4	618.3	618.3
10°	780.5	773.7	763.6	743.3	641.9	645.3	608.1	533.8	500.0	513.5	533.8
12.5°	790.6	787.2	773.7	770.3	675.7	574.4	476.4	533.8	510.2	425.7	473.0
15°	848.0	841.3	814.2	766.9	577.7	594.6	554.1	476.4	456.1	520.3	557.5
17.5°	723.0	723.0	810.9	743.3	628.4	500.0	496.7	554.1	500.0	466.2	462.9
20°	888.6	888.6	851.4	608.1	645.3	638.6	513.5	581.1	489.9	554.1	591.3
22.5°	739.9	736.5	763.6	753.4	618.3	652.1	527.1	530.4	584.5	500.0	429.1
25°	902.1	902.1	881.8	655.4	702.7	587.9	601.4	635.2	520.3	631.8	638.6
27.5°	777.1	773.7	736.5	750.0	655.4	719.6	547.3	598.0	638.6	682.5	750.0
30°	949.4	956.1	939.2	712.9	729.8	685.9	652.1	692.6	773.7	908.8	952.8
32.5°	1172.4	1179.1	1000.1	858.2	733.2	834.5	699.4	763.6	888.6	952.8	1000.1
35°	1304.1	1253.5	1175.8	959.5	790.6	854.8	804.1	814.2	925.7	1027.1	1060.9
37.5°	1415.6	1348.1	1256.8	989.9	834.5	922.4	837.9	851.4	1003.4	1094.7	1138.6
40°	1452.8	1412.3	1361.6	1057.5	888.6	973.0	878.4	908.8	1077.8	1182.5	1250.1
42.5°	1544.0	1547.4	1517.0	1152.1	946.0	1027.1	946.0	966.3	1175.8	1304.1	1402.1
45°	1787.3	1794.0	1760.2	1314.3	1017.0	1121.7	1054.1	1064.3	1287.2	1490.0	1615.0
47.5°	2098.1	2074.5	2040.7	1530.5	1125.1	1229.8	1179.1	1169.0	1419.0	1733.2	1844.7
50°	2412.3	2368.4	2297.4	1827.8	1310.9	1341.3	1307.5	1300.8	1577.8	1983.2	2104.9
52.5°	2740.0	2706.3	2557.6	2108.2	1587.9	1503.5	1466.3	1503.5	1783.9	2260.3	2371.8
55°	2912.3	2878.6	2784.0	2408.9	1854.8	1712.9	1648.8	1716.3	2101.5	2520.4	2665.7
57.5°	3054.2	3044.1	3000.2	2723.1	2179.2	1935.9	1871.7	1935.9	2354.9	2763.7	2936.0
60°	3257.0	3216.4	3257.0	3027.2	2493.4	2209.6	2121.8	2189.3	2665.7	2976.5	3233.3
62.5°	3402.2	3392.1	3473.2	3368.5	2756.9	2496.8	2368.4	2432.6	2939.4	3202.9	3527.3
65°	3246.8	3297.5	3621.9	3591.4	3054.2	2790.7	2655.6	2635.3	3162.4	3446.2	3841.5
67.5°	2969.8	3003.6	3476.6	3706.3	3314.4	3088.0	2925.9	2831.3	3368.5	3665.8	4091.5
70°	2706.3	2746.8	3179.3	3713.1	3439.4	3469.8	3243.4	3067.8	3574.6	3912.4	4145.5
72.5°	2496.8	2533.9	2922.5	3632.0	3483.3	3851.6	3591.4	3317.8	3773.9	3919.2	3621.9
75°	1557.5	1584.6	2351.5	3250.2	3510.4	4196.2	3909.0	3550.9	3757.0	3375.2	2436.0
77.5°	479.8	489.9	1006.8	2145.4	3050.9	4162.4	3855.0	3338.0	3148.8	2142.0	1111.6
80°	165.6	168.9	260.2	763.6	1824.4	3159.0	2939.4	2456.2	1881.9	790.6	418.9
82.5°	77.7	84.5	121.6	256.8	743.3	1726.5	1736.6	1459.6	790.6	351.4	283.8
85°	27.0	27.0	50.7	111.5	287.2	665.6	631.8	587.9	415.6	317.6	263.5
87.5°	10.1	10.1	16.9	30.4	71.0	141.9	179.1	219.6	219.6	223.0	266.9
90°	10.1	10.1	6.8	6.8	50.7	148.7	179.1	199.3	182.4	202.7	290.6
92.5°	10.1	10.1	6.8	6.8	54.1	172.3	199.3	216.2	192.6	216.2	321.0
95°	10.1	10.1	6.8	6.8	60.8	209.5	233.1	229.7	192.6	226.4	344.6
97.5°	13.5	13.5	6.8	3.4	54.1	223.0	250.0	243.3	165.6	172.3	270.3
100°	13.5	13.5	6.8	3.4	33.8	165.6	199.3	196.0	108.1	27.0	77.7
102.5°	13.5	13.5	6.8	3.4	6.8	77.7	94.6	98.0	64.2	10.1	13.5
105°	16.9	16.9	6.8	3.4	3.4	13.5	30.4	40.5	23.7	6.8	13.5
107.5°	16.9	16.9	6.8	3.4	3.4	6.8	6.8	10.1	10.1	6.8	16.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	13.5	13.5	3.4	6.8	3.4	3.4	3.4	3.4	3.4	6.8	16.9
115°	6.8	6.8	3.4	3.4	0.0	3.4	3.4	3.4	3.4	6.8	13.5
117.5°	3.4	3.4	0.0	3.4	0.0	3.4	3.4	3.4	6.8	6.8	16.9
120°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	10.1	20.3
122.5°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	10.1	20.3
125°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	10.1	20.3
127.5°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	10.1	16.9
130°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	6.8	13.5
132.5°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	6.8	10.1
135°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	6.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
145°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	10.1	10.1	6.8	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4
152.5°	6.8	6.8	10.1	3.4	0.0	0.0	3.4	3.4	6.8	3.4	3.4
155°	6.8	6.8	3.4	0.0	0.0	0.0	0.0	3.4	3.4	6.8	6.8
157.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
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°	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6	719.6
2.5°	712.9	709.5	699.4	692.6	682.5	672.3	621.7	591.3	587.9	584.5	587.9
5°	699.4	689.2	672.3	594.6	557.5	523.7	513.5	506.8	489.9	489.9	493.3
7.5°	604.8	598.0	544.0	520.3	489.9	459.5	432.5	412.2	361.5	344.6	337.9
10°	530.4	516.9	422.3	375.0	344.6	310.8	310.8	283.8	270.3	260.2	256.8
12.5°	459.5	449.4	371.6	341.2	256.8	223.0	206.1	189.2	179.1	172.3	168.9
15°	537.2	520.3	398.7	273.7	189.2	158.8	125.0	121.6	152.0	158.8	162.2
17.5°	429.1	439.2	354.8	239.9	155.4	98.0	108.1	128.4	145.3	145.3	141.9
20°	571.0	547.3	385.2	192.6	111.5	98.0	104.7	94.6	135.1	145.3	145.3
22.5°	415.6	395.3	317.6	179.1	87.8	94.6	87.8	111.5	125.0	111.5	114.9
25°	618.3	587.9	368.3	125.0	91.2	81.1	101.4	87.8	121.6	131.8	135.1
27.5°	766.9	665.6	361.5	118.3	81.1	91.2	84.5	101.4	98.0	104.7	104.7
30°	915.6	858.2	408.8	108.1	81.1	77.7	87.8	87.8	111.5	121.6	121.6
32.5°	979.8	912.2	358.1	104.7	81.1	77.7	77.7	94.6	104.7	125.0	125.0
35°	1047.4	956.1	300.7	98.0	77.7	74.3	74.3	94.6	111.5	125.0	128.4
37.5°	1138.6	1003.4	243.3	94.6	74.3	71.0	64.2	84.5	118.3	131.8	135.1
40°	1253.5	1071.0	189.2	87.8	67.6	64.2	60.8	84.5	101.4	118.3	118.3
42.5°	1432.5	1145.3	148.7	84.5	64.2	57.4	57.4	71.0	98.0	111.5	111.5
45°	1615.0	1233.2	125.0	81.1	60.8	54.1	54.1	71.0	74.3	94.6	94.6
47.5°	1817.7	1321.0	114.9	77.7	60.8	47.3	47.3	64.2	64.2	87.8	91.2
50°	2027.2	1395.4	108.1	74.3	54.1	43.9	54.1	43.9	54.1	84.5	91.2
52.5°	2209.6	1456.2	101.4	67.6	50.7	40.5	50.7	43.9	54.1	77.7	77.7
55°	2395.4	1490.0	98.0	64.2	47.3	33.8	50.7	47.3	50.7	71.0	71.0
57.5°	2561.0	1500.1	94.6	64.2	40.5	30.4	47.3	57.4	43.9	57.4	64.2
60°	2709.6	1490.0	84.5	57.4	30.4	30.4	50.7	67.6	60.8	67.6	67.6
62.5°	2848.2	1452.8	67.6	47.3	23.7	30.4	64.2	74.3	57.4	71.0	77.7
65°	2966.4	1402.1	50.7	37.2	16.9	33.8	67.6	84.5	67.6	81.1	87.8
67.5°	3020.5	1334.5	40.5	30.4	16.9	37.2	71.0	94.6	77.7	91.2	98.0
70°	2929.2	1196.0	33.8	30.4	13.5	43.9	74.3	101.4	87.8	114.9	118.3
72.5°	2432.6	939.2	30.4	30.4	23.7	54.1	94.6	114.9	108.1	155.4	152.0
75°	1611.6	513.5	30.4	27.0	30.4	64.2	114.9	135.1	118.3	175.7	175.7
77.5°	743.3	226.4	27.0	30.4	33.8	71.0	131.8	162.2	135.1	199.3	196.0
80°	324.3	138.5	27.0	27.0	37.2	77.7	148.7	182.4	148.7	219.6	219.6
82.5°	243.3	125.0	23.7	27.0	50.7	87.8	172.3	202.7	165.6	236.5	233.1
85°	226.4	118.3	27.0	30.4	57.4	111.5	202.7	219.6	172.3	243.3	243.3
87.5°	229.7	114.9	27.0	30.4	77.7	141.9	229.7	236.5	189.2	256.8	256.8
90°	236.5	118.3	30.4	33.8	87.8	155.4	256.8	253.4	212.9	270.3	270.3
92.5°	253.4	118.3	33.8	37.2	94.6	172.3	280.4	260.2	229.7	280.4	273.7
95°	263.5	118.3	37.2	40.5	111.5	189.2	297.3	253.4	243.3	260.2	253.4
97.5°	196.0	87.8	43.9	47.3	114.9	212.9	273.7	216.2	158.8	155.4	158.8
100°	64.2	30.4	47.3	50.7	74.3	148.7	202.7	155.4	84.5	64.2	64.2
102.5°	16.9	16.9	43.9	47.3	40.5	64.2	118.3	101.4	57.4	3.4	6.8
105°	16.9	13.5	27.0	37.2	23.7	16.9	47.3	57.4	43.9	3.4	3.4
107.5°	16.9	13.5	13.5	20.3	6.8	6.8	13.5	13.5	13.5	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.3	13.5	6.8	6.8	6.8	3.4	3.4	3.4	3.4	10.1	13.5
115°	16.9	13.5	3.4	6.8	3.4	3.4	3.4	3.4	6.8	13.5	16.9
117.5°	16.9	13.5	3.4	3.4	3.4	3.4	3.4	3.4	6.8	16.9	20.3
120°	20.3	16.9	3.4	3.4	3.4	3.4	3.4	3.4	6.8	20.3	20.3
122.5°	20.3	16.9	3.4	3.4	3.4	3.4	0.0	3.4	10.1	20.3	20.3
125°	20.3	16.9	3.4	3.4	3.4	0.0	0.0	3.4	10.1	20.3	23.7
127.5°	16.9	13.5	3.4	3.4	3.4	0.0	0.0	3.4	6.8	16.9	20.3
130°	13.5	10.1	3.4	3.4	3.4	0.0	0.0	0.0	6.8	16.9	16.9
132.5°	10.1	6.8	3.4	3.4	3.4	0.0	0.0	0.0	6.8	13.5	13.5
135°	6.8	6.8	3.4	3.4	3.4	0.0	0.0	0.0	3.4	10.1	10.1
137.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4
140°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	6.8	6.8	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.4	3.4	3.4	3.4	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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110°		16.9	16.9	6.8	6.8	3.4	3.4	3.4	3.4	6.8	6.8	16.9
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110°	16.9	13.5	6.8	6.8	6.8	6.8	6.8	3.4	3.4	6.8	6.8
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(END OF REPORT)