

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: P560530

Luminaire Tested: **SDL-PA1-50-730-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560530
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-PA1-50-730-U-SL3-A
Description: Springdale
(1) 70 CRI, 3000K, 670mA 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: 5451.8 lumens
Efficiency: N/A
Efficacy: 104.0 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): 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

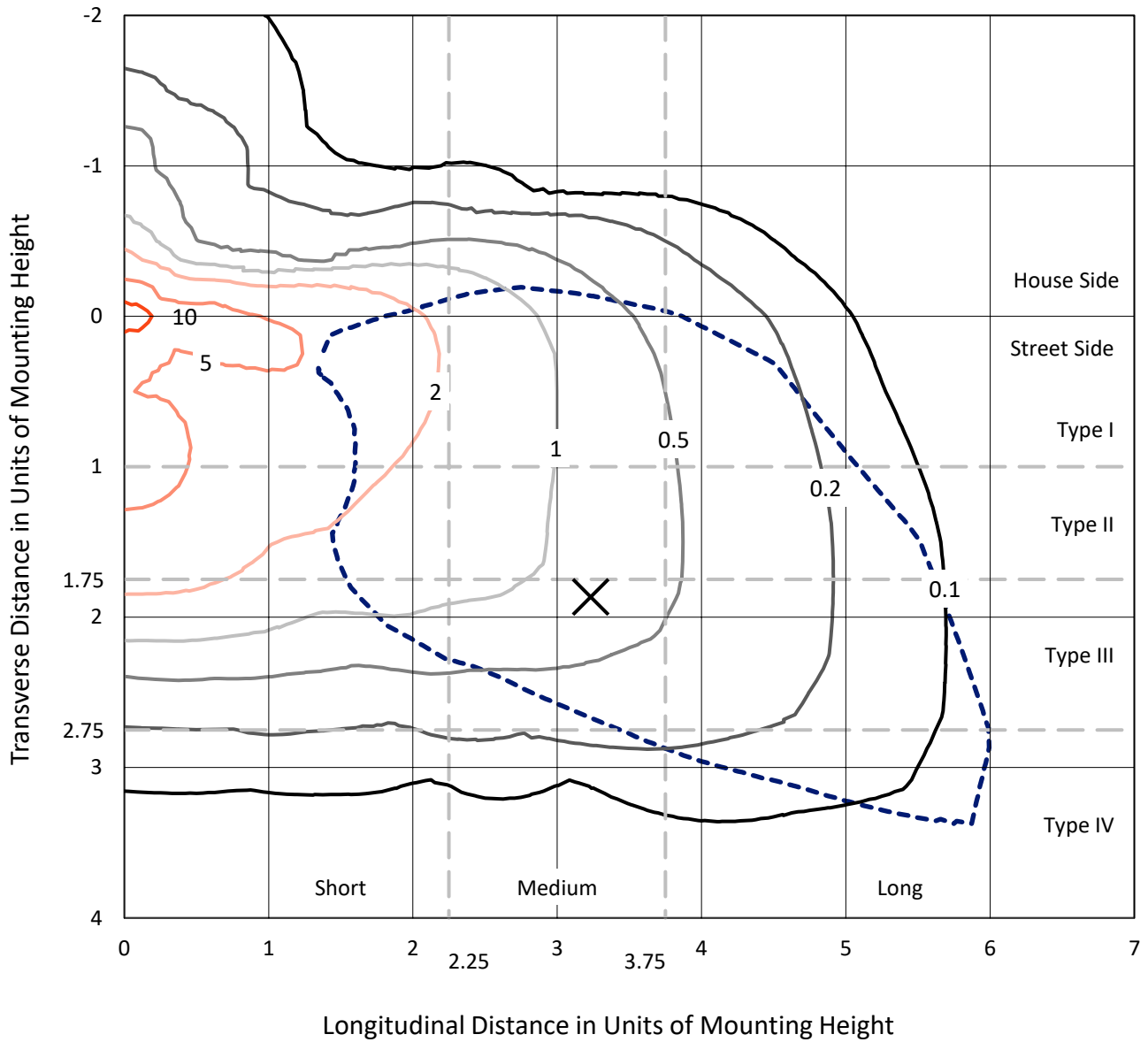




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Iso-Footcandle Lines of Horizontal Illumination

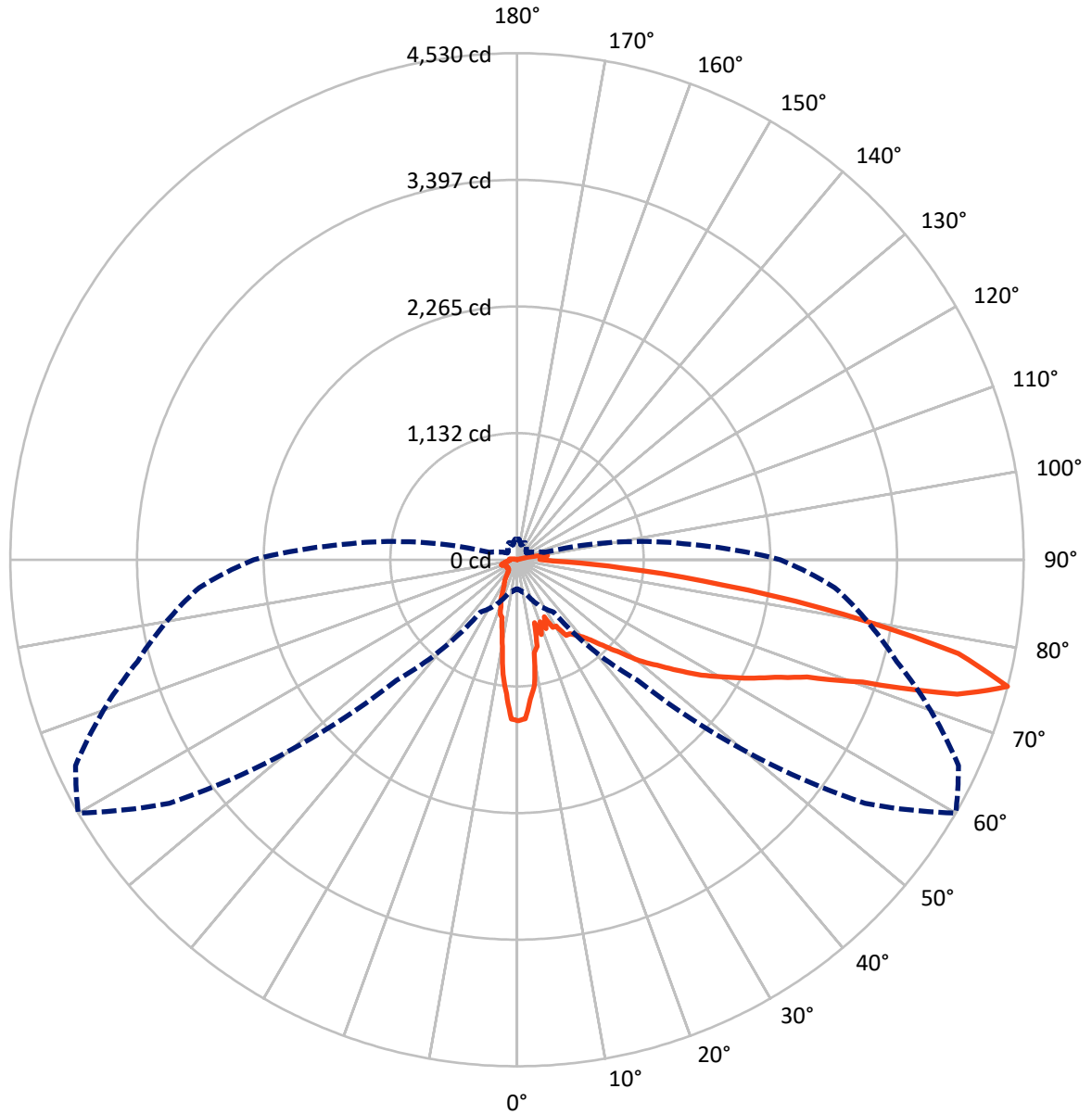
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



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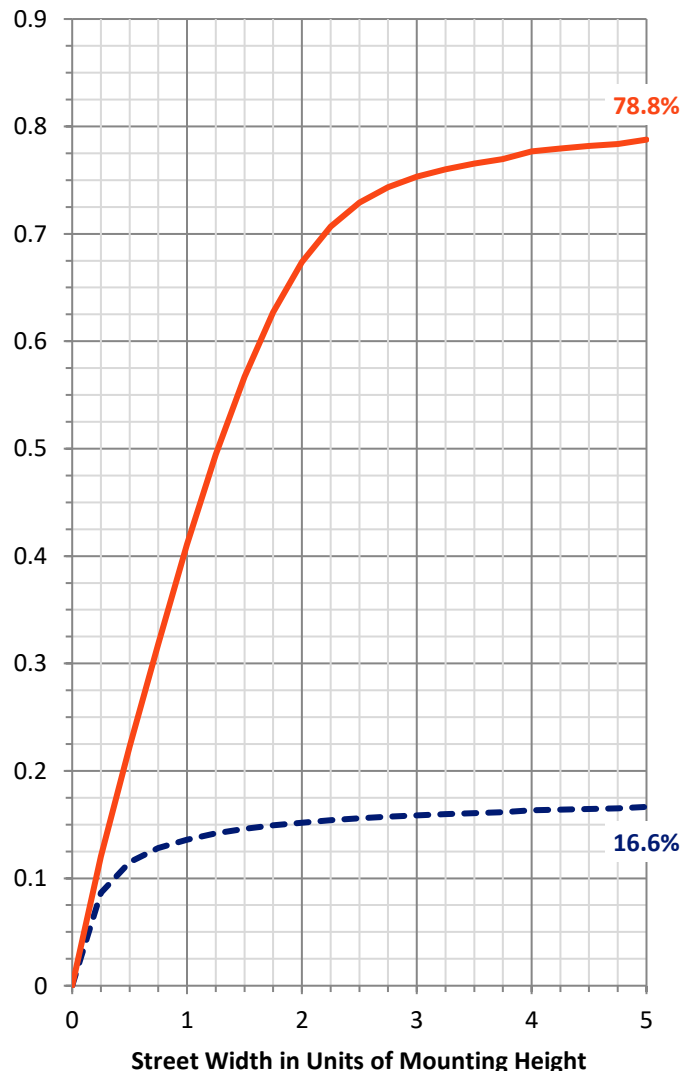
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	957.1	72.6	1029.6
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	4345.4	76.8	4422.1
	% Fixture	79.7	1.4	81.1
Total	Lumens	5302.5	149.3	5451.8
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	1.9
10°-20°	188.5	3.5
20°-30°	244.3	4.5
30°-40°	407.2	7.5
40°-50°	652.0	12.0
50°-60°	1000.9	18.4
60°-70°	1250.7	22.9
70°-80°	1140.7	20.9
80°-90°	312.1	5.7
90°-100°	104.8	1.9
100°-110°	23.8	0.4
110°-120°	7.6	0.1
120°-130°	7.0	0.1
130°-140°	3.3	0.1
140°-150°	1.4	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5302.5	97.3
0°-180°	5451.8	100.0

Coefficient of Utilization



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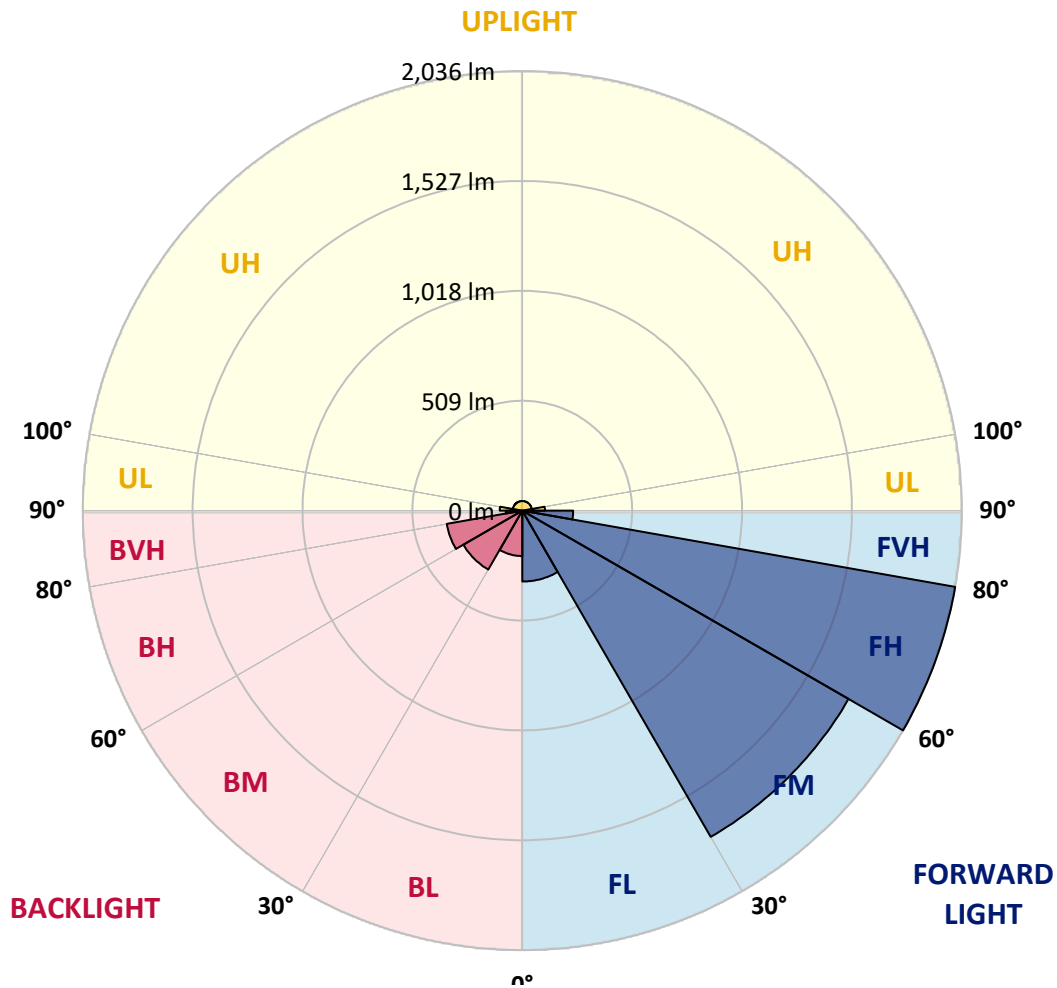
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	328.4	6.0			
FM (30°-60°)	1745.1	32.0			
FH (60°-80°)	2036.3	37.4			G2/5000
FVH (80°-90°)	235.6	4.3			G3/500
BL (0°-30°)	210.4	3.9	B1/500		
BM (30°-60°)	315.0	5.8	B1/1000		
BH (60°-80°)	355.1	6.5	B1/500		G1/500
BVH (80°-90°)	76.6	1.4			G1/100
UL (90°-100°)	104.8	1.9		U3/500	
UH (100°-180°)	44.5	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°	1439.7	1439.7	1439.7	1439.7	1439.7	1439.7	1439.7	1439.7	1439.7	1439.7	1439.7
2.5°	1207.9	1320.6	1310.0	1397.2	1397.2	1416.3	1424.8	1422.7	1431.2	1439.7	1437.6
5°	1112.2	1114.4	1122.9	1142.0	1148.4	1154.8	1176.0	1250.5	1375.9	1405.7	1405.7
7.5°	918.7	969.7	1033.5	1044.2	1082.5	1101.6	1125.0	1129.2	1044.2	1197.3	1212.2
10°	931.5	933.6	929.3	952.7	925.1	914.5	840.0	844.3	852.8	910.2	1025.0
12.5°	729.4	772.0	863.4	905.9	837.9	763.5	759.2	795.4	810.3	725.2	903.8
15°	833.6	837.9	840.0	842.1	625.2	725.2	633.7	582.7	652.9	823.0	935.7
17.5°	652.9	657.1	757.1	755.0	689.0	557.2	689.0	703.9	676.3	699.7	782.6
20°	765.6	767.7	761.3	591.2	604.0	682.7	593.3	591.2	625.2	806.0	910.2
22.5°	629.5	621.0	618.9	676.3	614.6	657.1	576.3	667.8	725.2	718.8	686.9
25°	789.0	786.9	755.0	589.1	629.5	557.2	674.1	565.7	627.4	869.8	910.2
27.5°	737.9	708.2	655.0	680.5	587.0	652.9	599.7	684.8	723.1	893.2	1054.8
30°	954.9	933.6	871.9	686.9	648.6	601.8	642.2	686.9	823.0	1150.5	1205.8
32.5°	1261.1	1237.7	1016.5	842.1	680.5	712.4	676.3	806.0	908.1	1173.9	1216.4
35°	1354.7	1322.8	1214.3	1020.8	780.5	757.1	720.9	812.4	920.8	1235.6	1235.6
37.5°	1407.8	1405.7	1354.7	1127.1	880.4	867.7	776.2	852.8	971.9	1295.1	1282.4
40°	1416.3	1427.0	1450.4	1220.7	999.5	971.9	848.5	908.1	1044.2	1367.4	1341.9
42.5°	1486.5	1505.7	1558.8	1344.0	1118.6	1093.1	933.6	988.9	1122.9	1473.8	1467.4
45°	1599.2	1618.4	1665.2	1480.1	1222.8	1205.8	1071.8	1105.9	1250.5	1660.9	1601.4
47.5°	1833.2	1837.4	1818.3	1592.9	1335.5	1335.5	1205.8	1237.7	1365.3	1833.2	1775.7
50°	2067.1	2041.6	1956.5	1726.8	1448.2	1480.1	1344.0	1418.5	1495.0	2007.5	1928.9
52.5°	2196.8	2192.6	2077.7	1828.9	1546.1	1607.7	1503.5	1567.3	1614.1	2184.1	2073.5
55°	2201.1	2194.7	2116.0	1877.8	1637.5	1739.6	1663.0	1746.0	1780.0	2322.3	2271.3
57.5°	2130.9	2147.9	2107.5	1905.5	1682.2	1867.2	1856.6	1945.9	1962.9	2486.0	2407.4
60°	2020.3	2018.2	2067.1	1931.0	1750.2	1988.4	2035.2	2126.6	2218.1	2611.5	2528.6
62.5°	1743.8	1763.0	1901.2	1931.0	1824.7	2145.8	2235.1	2330.8	2443.5	2726.4	2637.0
65°	1365.3	1375.9	1592.9	1790.6	1845.9	2356.3	2437.1	2532.8	2651.9	2843.3	2758.3
67.5°	825.1	895.3	1082.5	1473.8	1737.5	2609.4	2758.3	2798.7	2866.7	2975.2	2936.9
70°	470.0	491.3	580.6	927.2	1450.4	2690.2	3349.5	3277.2	3207.0	3232.5	3160.2
72.5°	357.3	370.0	410.4	548.7	867.7	2375.5	3847.1	4115.0	3813.1	3500.5	3153.8
75°	259.5	272.2	312.6	442.3	569.9	1522.7	3796.1	4529.7	4355.4	3513.2	2851.8
77.5°	161.6	163.8	187.1	376.4	512.5	763.5	2970.9	4034.2	4110.8	3281.4	2364.8
80°	112.7	114.8	119.1	202.0	472.1	612.5	1994.8	2962.4	3070.9	2284.0	1205.8
82.5°	80.8	85.1	89.3	119.1	306.2	584.8	1242.0	1865.1	1643.9	827.3	489.1
85°	42.5	46.8	57.4	72.3	123.3	635.9	744.3	948.5	750.7	336.0	291.3
87.5°	17.0	14.9	12.8	19.1	34.0	244.6	289.2	319.0	246.7	189.3	231.8
90°	14.9	12.8	8.5	10.6	14.9	87.2	182.9	204.2	170.1	185.0	233.9
92.5°	14.9	12.8	8.5	8.5	14.9	87.2	219.0	223.3	176.5	189.3	244.6
95°	14.9	14.9	8.5	8.5	14.9	78.7	259.5	255.2	182.9	199.9	259.5
97.5°	14.9	14.9	6.4	8.5	14.9	53.2	268.0	276.5	178.6	142.5	214.8
100°	14.9	14.9	6.4	6.4	12.8	34.0	187.1	202.0	131.9	46.8	53.2
102.5°	14.9	14.9	6.4	6.4	8.5	23.4	82.9	100.0	78.7	14.9	17.0
105°	14.9	17.0	4.3	4.3	6.4	12.8	36.2	40.4	31.9	10.6	19.1
107.5°	17.0	19.1	4.3	4.3	4.3	6.4	12.8	14.9	8.5	8.5	19.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	14.9	12.8	2.1	4.3	4.3	4.3	4.3	4.3	4.3	8.5	21.3
115°	8.5	6.4	2.1	4.3	4.3	4.3	2.1	4.3	6.4	8.5	19.1
117.5°	8.5	6.4	2.1	2.1	2.1	4.3	2.1	2.1	6.4	10.6	23.4
120°	6.4	6.4	2.1	2.1	2.1	2.1	2.1	4.3	4.3	14.9	31.9
122.5°	6.4	6.4	2.1	2.1	2.1	2.1	2.1	4.3	4.3	14.9	31.9
125°	8.5	8.5	4.3	2.1	2.1	2.1	2.1	4.3	4.3	12.8	29.8
127.5°	6.4	6.4	4.3	2.1	2.1	2.1	2.1	4.3	4.3	10.6	23.4
130°	6.4	6.4	4.3	2.1	2.1	2.1	2.1	4.3	2.1	10.6	19.1
132.5°	6.4	6.4	4.3	2.1	2.1	2.1	2.1	2.1	2.1	6.4	14.9
135°	6.4	6.4	4.3	2.1	2.1	2.1	2.1	2.1	2.1	4.3	10.6
137.5°	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3
140°	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
142.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
145°	2.1	2.1	2.1	2.1	4.3	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1
150°	4.3	4.3	8.5	6.4	4.3	2.1	2.1	2.1	2.1	2.1	2.1
152.5°	8.5	8.5	8.5	6.4	2.1	2.1	4.3	6.4	2.1	2.1	2.1
155°	6.4	6.4	6.4	2.1	2.1	2.1	2.1	2.1	4.3	6.4	6.4
157.5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
160°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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°	1439.7	1439.7	1439.7	1439.7	1439.7	1439.7	1439.7	1439.7	1439.7	1439.7	1439.7
2.5°	1431.2	1435.5	1431.2	1427.0	1422.7	1410.0	1322.8	1216.4	1207.9	1216.4	1212.2
5°	1395.1	1395.1	1392.9	1246.2	1159.0	1133.5	1127.1	1120.7	1108.0	1101.6	1105.9
7.5°	1203.7	1197.3	1122.9	991.0	1074.0	1044.2	1027.2	1018.7	891.1	844.3	848.5
10°	1005.9	1005.9	835.8	789.0	784.7	797.5	884.7	878.3	861.3	850.7	861.3
12.5°	867.7	903.8	663.5	710.3	576.3	638.0	697.5	740.1	610.3	574.2	580.6
15°	920.8	908.1	729.4	557.2	508.3	535.9	429.6	538.0	529.5	512.5	510.4
17.5°	803.9	737.9	608.2	523.2	501.9	378.5	367.9	380.7	348.8	319.0	333.9
20°	874.0	837.9	644.4	465.7	387.0	344.5	259.5	242.4	308.4	323.2	321.1
22.5°	729.4	608.2	527.4	463.6	312.6	246.7	195.7	214.8	229.7	244.6	250.9
25°	857.0	791.1	576.3	346.6	253.1	180.8	176.5	159.5	240.3	274.3	272.2
27.5°	988.9	895.3	555.1	325.4	182.9	155.2	142.5	161.6	168.0	189.3	202.0
30°	1105.9	993.1	642.2	302.0	153.1	117.0	127.6	131.9	163.8	176.5	176.5
32.5°	1101.6	965.5	574.2	257.3	125.5	106.3	106.3	125.5	144.6	174.4	176.5
35°	1099.5	944.2	512.5	199.9	110.6	93.6	97.8	119.1	144.6	161.6	163.8
37.5°	1125.0	937.8	450.8	161.6	100.0	89.3	93.6	112.7	155.2	172.3	172.3
40°	1163.3	942.1	389.2	138.2	95.7	87.2	89.3	119.1	140.4	155.2	155.2
42.5°	1280.2	1003.8	336.0	127.6	95.7	85.1	85.1	110.6	142.5	168.0	170.1
45°	1367.4	1052.7	295.6	127.6	93.6	80.8	89.3	110.6	125.5	185.0	197.8
47.5°	1507.8	1142.0	257.3	127.6	93.6	78.7	82.9	108.5	131.9	212.7	221.2
50°	1648.1	1231.3	240.3	127.6	93.6	76.6	93.6	104.2	131.9	221.2	227.6
52.5°	1797.0	1341.9	229.7	127.6	93.6	80.8	102.1	125.5	142.5	197.8	195.7
55°	1950.1	1439.7	223.3	131.9	93.6	80.8	110.6	117.0	121.2	153.1	157.4
57.5°	2092.6	1558.8	236.1	131.9	91.4	85.1	104.2	114.8	106.3	134.0	136.1
60°	2205.3	1667.3	268.0	127.6	89.3	85.1	106.3	125.5	119.1	146.7	151.0
62.5°	2335.1	1782.1	342.4	129.7	89.3	87.2	119.1	136.1	121.2	144.6	153.1
65°	2505.2	1956.5	425.3	142.5	91.4	91.4	121.2	146.7	121.2	142.5	142.5
67.5°	2696.6	2118.1	425.3	165.9	97.8	97.8	121.2	155.2	129.7	142.5	142.5
70°	2836.9	2126.6	350.9	182.9	106.3	104.2	125.5	161.6	131.9	157.4	155.2
72.5°	2681.7	1894.8	291.3	180.8	114.8	108.5	142.5	165.9	134.0	178.6	176.5
75°	2354.2	1563.1	253.1	161.6	104.2	110.6	148.9	170.1	136.1	187.1	182.9
77.5°	1856.6	1139.9	214.8	136.1	91.4	106.3	153.1	174.4	140.4	197.8	195.7
80°	899.6	572.1	174.4	114.8	82.9	102.1	153.1	172.3	138.2	204.2	204.2
82.5°	406.2	285.0	119.1	78.7	82.9	104.2	157.4	174.4	138.2	199.9	197.8
85°	263.7	195.7	76.6	61.7	82.9	119.1	159.5	165.9	131.9	185.0	185.0
87.5°	197.8	136.1	40.4	38.3	91.4	129.7	159.5	153.1	127.6	174.4	170.1
90°	202.0	144.6	42.5	38.3	97.8	131.9	159.5	151.0	123.3	157.4	157.4
92.5°	219.0	159.5	48.9	42.5	100.0	119.1	151.0	136.1	114.8	136.1	134.0
95°	238.2	178.6	57.4	48.9	87.2	87.2	119.1	110.6	97.8	104.2	104.2
97.5°	174.4	127.6	51.0	53.2	65.9	55.3	78.7	74.4	51.0	46.8	44.7
100°	51.0	42.5	46.8	51.0	46.8	40.4	59.5	57.4	34.0	17.0	17.0
102.5°	19.1	21.3	42.5	46.8	36.2	29.8	42.5	46.8	27.6	4.3	6.4
105°	17.0	14.9	29.8	36.2	21.3	17.0	21.3	29.8	17.0	4.3	4.3
107.5°	19.1	14.9	14.9	19.1	8.5	8.5	8.5	10.6	6.4	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.1	14.9	8.5	8.5	6.4	6.4	4.3	4.3	6.4	10.6	10.6
115°	21.3	17.0	8.5	6.4	4.3	6.4	4.3	2.1	6.4	14.9	14.9
117.5°	25.5	19.1	6.4	6.4	4.3	4.3	4.3	2.1	6.4	19.1	21.3
120°	31.9	23.4	8.5	4.3	4.3	4.3	4.3	2.1	8.5	21.3	23.4
122.5°	31.9	25.5	8.5	4.3	4.3	2.1	2.1	4.3	8.5	21.3	23.4
125°	29.8	23.4	8.5	4.3	4.3	2.1	2.1	2.1	10.6	21.3	23.4
127.5°	23.4	21.3	8.5	4.3	2.1	2.1	2.1	4.3	8.5	19.1	19.1
130°	19.1	17.0	6.4	4.3	2.1	2.1	2.1	2.1	8.5	14.9	17.0
132.5°	14.9	12.8	6.4	4.3	2.1	2.1	2.1	2.1	8.5	14.9	14.9
135°	10.6	10.6	4.3	2.1	2.1	2.1	2.1	2.1	6.4	10.6	12.8
137.5°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1	4.3	6.4	6.4
140°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	4.3	4.3
142.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	4.3
145°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
150°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
152.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	4.3	4.3
155°	6.4	6.4	6.4	4.3	2.1	0.0	0.0	0.0	2.1	2.1	4.3
157.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	2.1	2.1	2.1
160°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	2.1
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°	19.1	19.1	4.3	4.3	4.3	6.4	4.3	4.3	6.4	8.5	21.3
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110°	19.1	14.9	8.5	8.5	6.4	6.4	6.4	4.3	4.3	4.3	4.3
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(END OF REPORT)