

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: P560582

Luminaire Tested: **SDL-PA1-50-750-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-750-U-T2U-A
Description: Springdale
(1) 70 CRI, 5000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6114.6 lumens
Efficiency: N/A
Efficacy: 116.7 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: B2 - U3 - G2

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



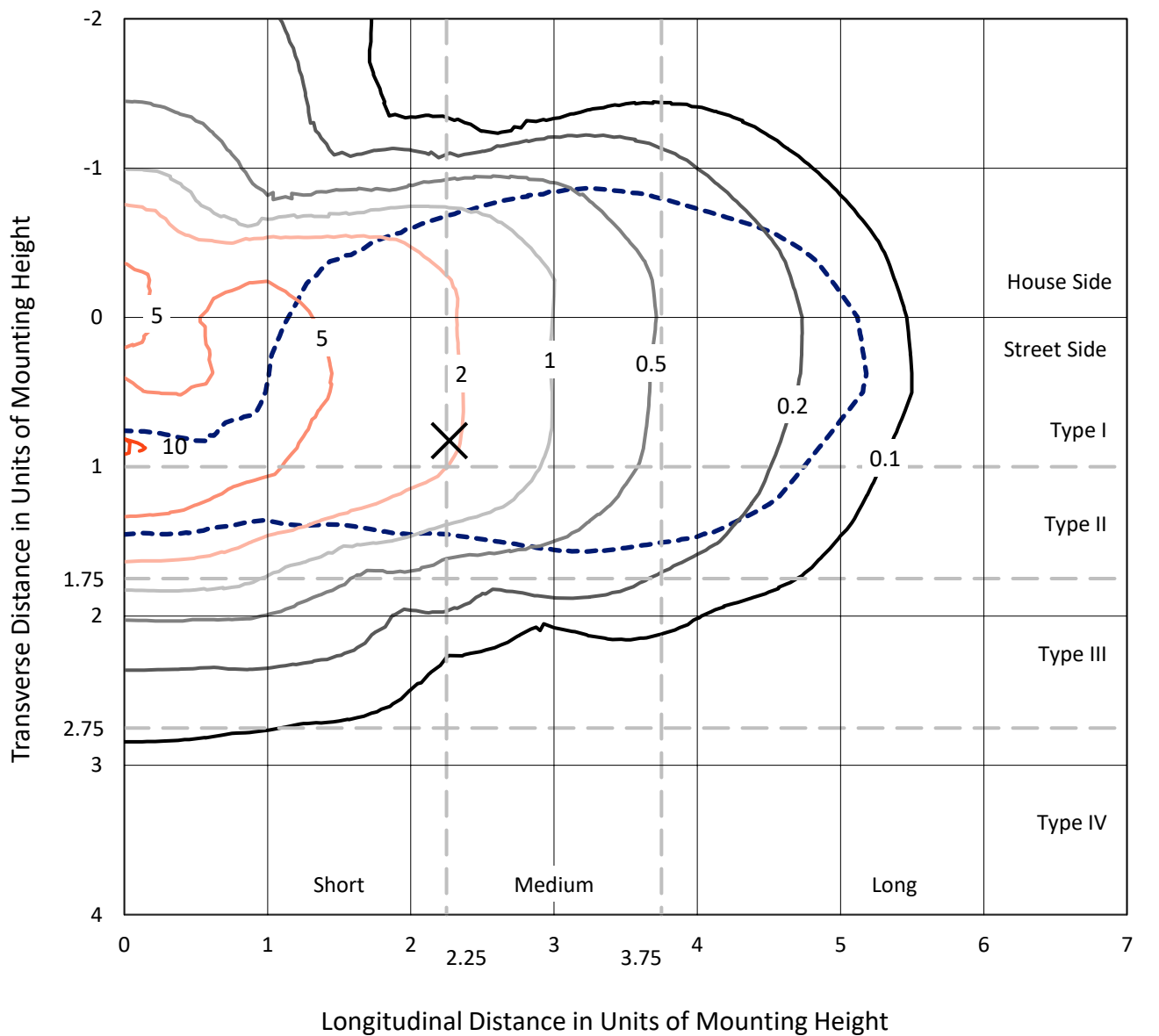
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



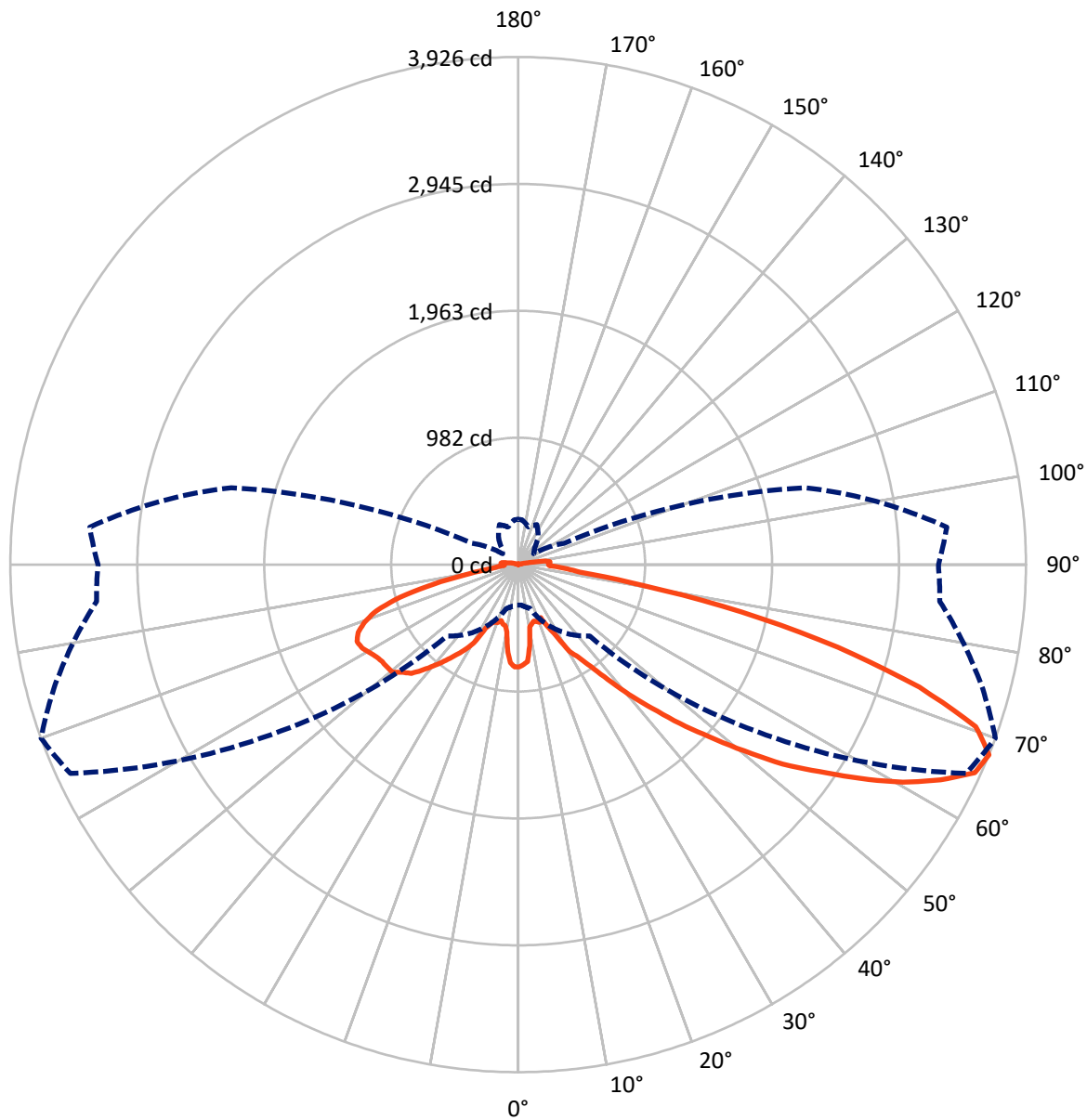
Based on 10 foot mounting height. Maximum calculated value = 10.2 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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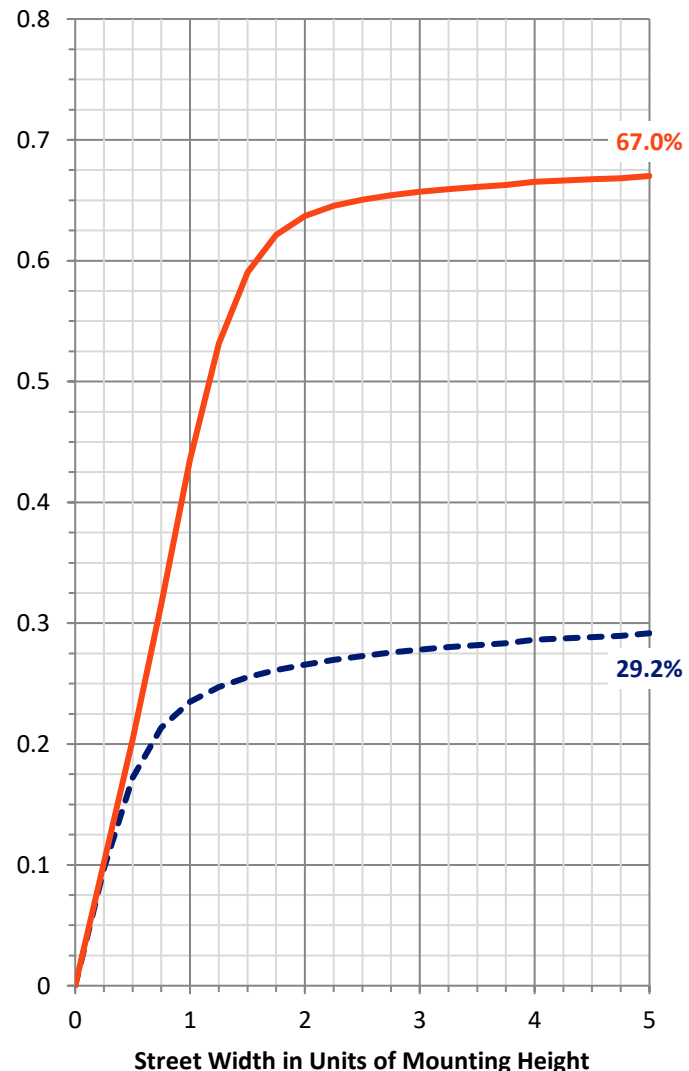
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1839.1	72.1	1911.2
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	4133.7	69.7	4203.4
	% Fixture	67.6	1.1	68.7
Total	Lumens	5972.8	141.8	6114.6
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	1.0
10°-20°	146.7	2.4
20°-30°	260.2	4.3
30°-40°	548.4	9.0
40°-50°	1025.2	16.8
50°-60°	1419.8	23.2
60°-70°	1369.1	22.4
70°-80°	900.1	14.7
80°-90°	239.9	3.9
90°-100°	98.4	1.6
100°-110°	21.5	0.4
110°-120°	9.3	0.2
120°-130°	6.7	0.1
130°-140°	3.0	0.0
140°-150°	1.6	0.0
150°-160°	1.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5972.8	97.7
0°-180°	6114.6	100.0



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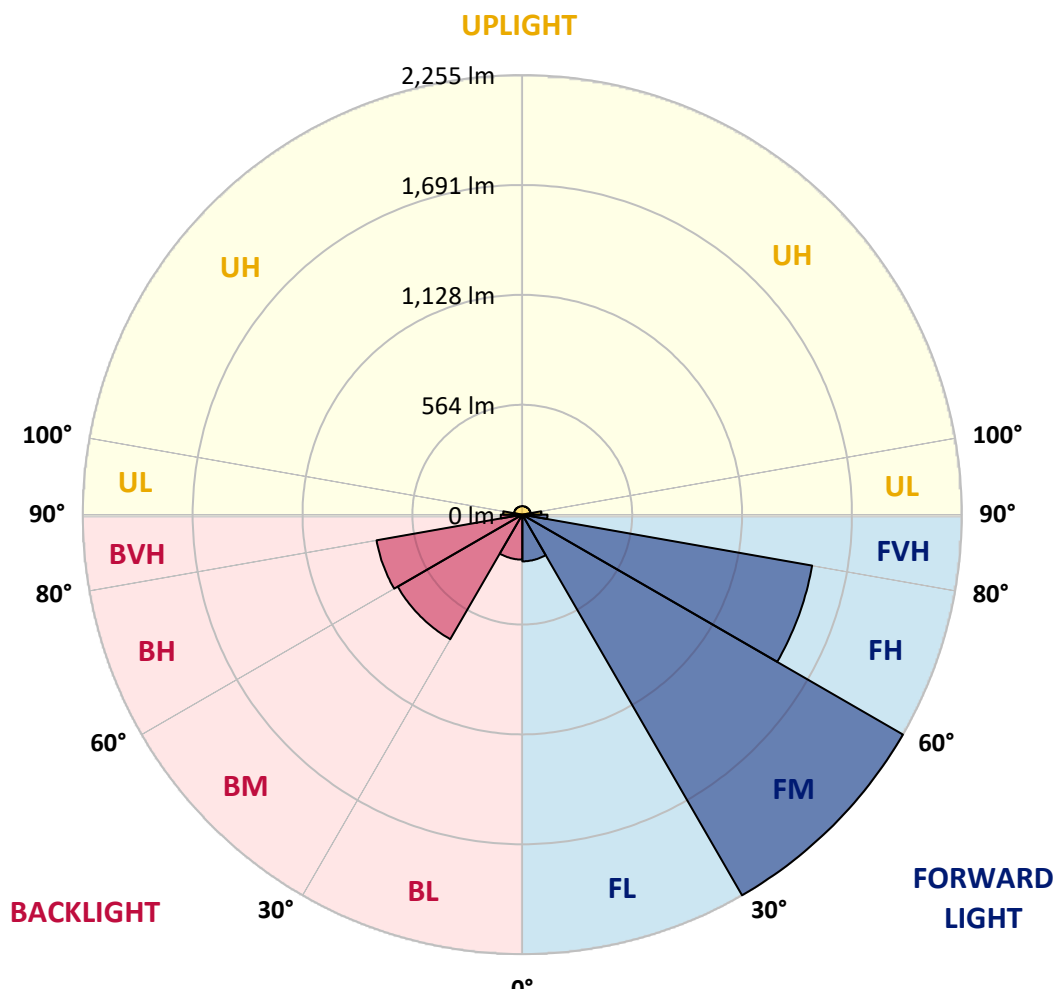
CATALOG NUMBER: SDL-PA1-50-750-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	239.6	3.9			
FM	(30°-60°)	2255.0	36.9			
FH	(60°-80°)	1510.0	24.7			G1/1800
FVH	(80°-90°)	129.1	2.1			G2/225
BL	(0°-30°)	230.7	3.8	B1/500		
BM	(30°-60°)	738.4	12.1	B1/1000		
BH	(60°-80°)	759.2	12.4	B2/1000		G2/1000
BVH	(80°-90°)	110.8	1.8			G2/225
UL	(90°-100°)	98.4	1.6		U3/500	
UH	(100°-180°)	43.4	0.7		U2/50	

BUG Rating: B2-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	791.3	791.3	791.3	791.3	791.3	791.3	791.3	791.3	791.3	791.3	791.3
2.5°	660.6	714.3	698.0	749.3	761.0	772.7	775.0	777.3	775.0	777.3	782.0
5°	623.3	625.6	627.9	632.6	632.6	637.3	646.6	744.7	754.0	761.0	770.3
7.5°	520.6	543.9	588.3	604.6	611.6	620.9	625.6	625.6	634.9	658.3	674.6
10°	578.9	574.2	576.6	578.9	546.2	539.2	490.2	483.2	490.2	506.6	583.6
12.5°	485.5	508.9	557.9	569.6	529.9	469.2	462.2	471.5	469.2	422.5	494.9
15°	562.6	560.2	555.6	546.2	443.5	464.5	399.2	403.8	452.9	485.5	553.2
17.5°	490.2	487.9	553.2	534.6	466.9	361.8	455.2	422.5	462.2	427.2	457.5
20°	609.3	606.9	599.9	445.9	476.2	480.9	441.2	408.5	476.2	492.5	555.6
22.5°	553.2	553.2	597.6	585.9	483.2	508.9	420.2	497.2	445.9	452.9	420.2
25°	761.0	754.0	744.7	543.9	581.3	466.9	520.6	457.5	532.2	576.6	604.6
27.5°	737.7	723.6	714.3	721.3	583.6	611.6	515.9	569.6	613.9	632.6	705.0
30°	1036.4	1017.8	989.8	756.3	726.0	625.6	623.3	705.0	777.3	835.7	875.4
32.5°	1321.2	1325.9	1181.2	1015.4	803.0	835.7	742.3	826.4	849.7	910.4	933.7
35°	1694.7	1648.0	1557.0	1267.5	978.1	945.4	863.7	943.1	966.4	1024.8	1038.8
37.5°	1988.9	1991.2	1851.1	1524.3	1171.8	1143.8	1001.4	1083.1	1125.2	1190.5	1167.2
40°	2271.3	2283.0	2170.9	1788.1	1416.9	1339.9	1167.2	1262.9	1321.2	1360.9	1321.2
42.5°	2523.4	2521.1	2444.1	2079.9	1645.7	1601.4	1342.2	1466.0	1517.3	1554.7	1524.3
45°	2721.8	2714.8	2644.8	2318.0	1916.5	1977.2	1571.0	1699.4	1753.1	1795.1	1720.4
47.5°	2789.5	2752.2	2721.8	2490.7	2168.6	2308.7	1853.5	1925.8	1988.9	2061.2	1939.8
50°	2717.2	2668.2	2679.8	2572.4	2381.0	2586.5	2156.9	2187.3	2264.3	2327.3	2147.6
52.5°	2416.0	2404.4	2469.7	2490.7	2472.1	2798.9	2497.8	2411.4	2563.1	2570.1	2362.4
55°	2019.2	2005.2	2159.3	2245.6	2385.7	2882.9	2787.2	2726.5	2824.6	2812.9	2553.8
57.5°	1627.0	1617.7	1757.8	1900.2	2142.9	2836.2	2990.3	3072.0	3121.0	3055.7	2731.2
60°	1090.1	1108.8	1349.3	1540.7	1753.1	2556.1	3067.3	3394.1	3417.5	3277.4	2917.9
62.5°	695.6	721.3	875.4	1188.2	1309.6	2075.2	3011.3	3681.3	3667.3	3478.2	3090.7
65°	445.9	455.2	529.9	805.3	938.4	1374.9	2761.5	3877.3	3879.7	3657.9	3228.4
67.5°	312.8	315.1	350.2	501.9	648.9	782.0	2245.6	3821.3	3926.4	3718.6	3272.8
70°	280.1	282.5	291.8	340.8	492.5	485.5	1360.9	3415.1	3753.6	3639.2	3205.1
72.5°	249.8	252.1	268.4	296.5	378.2	380.5	651.3	2719.5	3244.7	3356.8	3004.3
75°	207.8	212.4	231.1	277.8	291.8	319.8	436.5	1911.8	2553.8	2892.3	2766.2
77.5°	175.1	177.4	191.4	235.8	254.4	259.1	373.5	1059.8	1764.8	2128.9	2437.1
80°	140.1	140.1	151.7	186.7	210.1	212.4	333.8	560.2	978.1	1288.6	1694.7
82.5°	91.0	93.4	107.4	140.1	156.4	210.1	296.5	408.5	478.5	620.9	770.3
85°	58.4	58.4	67.7	79.4	93.4	161.1	261.4	338.5	357.2	389.8	350.2
87.5°	28.0	28.0	25.7	30.3	35.0	60.7	182.1	240.4	242.8	238.1	256.8
90°	23.3	23.3	18.7	21.0	23.3	32.7	137.7	235.8	233.4	242.8	266.1
92.5°	25.7	25.7	18.7	21.0	23.3	28.0	100.4	238.1	245.1	256.8	282.5
95°	28.0	28.0	18.7	18.7	21.0	25.7	63.0	205.4	247.4	259.1	291.8
97.5°	25.7	25.7	14.0	16.3	18.7	23.3	39.7	154.1	193.8	203.1	231.1
100°	23.3	23.3	11.7	14.0	16.3	18.7	25.7	79.4	84.0	63.0	88.7
102.5°	21.0	23.3	9.3	11.7	11.7	11.7	16.3	37.3	37.3	21.0	23.3
105°	21.0	23.3	9.3	9.3	7.0	9.3	9.3	14.0	16.3	11.7	18.7
107.5°	23.3	23.3	9.3	9.3	7.0	7.0	7.0	9.3	11.7	9.3	18.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	14.0	14.0	7.0	9.3	4.7	4.7	4.7	7.0	9.3	11.7	25.7
115°	11.7	9.3	4.7	7.0	4.7	4.7	4.7	7.0	7.0	9.3	21.0
117.5°	11.7	9.3	4.7	4.7	2.3	4.7	4.7	7.0	7.0	9.3	18.7
120°	11.7	11.7	4.7	2.3	2.3	2.3	2.3	4.7	7.0	11.7	21.0
122.5°	14.0	11.7	4.7	4.7	2.3	2.3	2.3	4.7	7.0	11.7	21.0
125°	14.0	14.0	7.0	4.7	2.3	2.3	2.3	4.7	7.0	9.3	18.7
127.5°	14.0	11.7	7.0	4.7	2.3	2.3	2.3	2.3	4.7	7.0	16.3
130°	11.7	11.7	7.0	2.3	2.3	2.3	2.3	2.3	4.7	4.7	11.7
132.5°	9.3	9.3	7.0	2.3	2.3	2.3	2.3	2.3	2.3	4.7	9.3
135°	7.0	7.0	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	7.0
137.5°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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°	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3
150°	4.7	4.7	9.3	7.0	4.7	2.3	4.7	2.3	2.3	2.3	2.3
152.5°	7.0	7.0	9.3	7.0	2.3	2.3	2.3	4.7	2.3	2.3	2.3
155°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0
157.5°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	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°	791.3	791.3	791.3	791.3	791.3	791.3	791.3	791.3	791.3	791.3	791.3
2.5°	784.3	784.3	791.3	793.7	791.3	789.0	775.0	733.0	707.3	709.6	709.6
5°	772.7	775.0	782.0	740.0	688.6	693.3	700.3	702.6	702.6	707.3	707.3
7.5°	681.6	684.0	665.3	672.3	688.6	700.3	705.0	693.3	656.0	641.9	641.9
10°	590.6	590.6	525.2	527.6	546.2	581.3	691.0	702.6	714.3	716.6	714.3
12.5°	499.6	501.9	448.2	515.9	492.5	555.6	637.3	705.0	651.3	597.6	604.6
15°	557.9	562.6	504.2	443.5	455.2	548.6	476.2	653.6	658.3	658.3	658.3
17.5°	448.2	473.9	445.9	457.5	504.2	413.2	539.2	597.6	548.6	534.6	534.6
20°	557.9	557.9	508.9	441.2	466.9	536.9	478.5	532.2	625.6	625.6	623.3
22.5°	415.5	415.5	445.9	511.2	469.2	529.9	506.6	550.9	497.2	497.2	511.2
25°	599.9	592.9	541.6	452.9	534.6	490.2	508.9	480.9	562.6	569.6	564.9
27.5°	723.6	719.0	581.3	520.6	501.9	522.9	457.5	448.2	431.9	497.2	490.2
30°	856.7	845.0	761.0	627.9	550.9	441.2	413.2	429.5	476.2	478.5	476.2
32.5°	919.7	894.1	800.7	751.7	562.6	455.2	371.2	382.8	473.9	501.9	501.9
35°	1006.1	978.1	873.0	819.4	560.2	401.5	329.1	371.2	427.2	429.5	429.5
37.5°	1125.2	1083.1	994.4	859.0	522.9	354.8	303.5	329.1	368.8	380.5	385.2
40°	1262.9	1209.2	1129.8	884.7	469.2	298.8	270.8	303.5	333.8	324.5	324.5
42.5°	1456.6	1377.3	1262.9	924.4	401.5	263.8	247.4	277.8	298.8	303.5	301.1
45°	1638.7	1540.7	1419.3	938.4	326.8	238.1	231.1	263.8	284.8	277.8	277.8
47.5°	1844.1	1720.4	1536.0	905.7	268.4	224.1	231.1	254.4	263.8	275.5	275.5
50°	2047.2	1914.2	1706.4	854.4	238.1	214.8	231.1	245.1	263.8	270.8	268.4
52.5°	2231.6	2114.9	1809.1	763.3	221.8	207.8	224.1	245.1	268.4	280.1	280.1
55°	2432.4	2313.3	1902.5	681.6	207.8	193.8	231.1	254.4	261.4	268.4	268.4
57.5°	2584.1	2490.7	2005.2	609.3	198.4	193.8	235.8	266.1	263.8	270.8	270.8
60°	2768.5	2686.8	2098.6	574.2	184.4	184.4	245.1	287.1	268.4	289.5	289.5
62.5°	2964.6	2915.6	2189.6	548.6	170.4	179.7	247.4	303.5	277.8	310.5	312.8
65°	3153.7	3163.0	2273.7	487.9	158.7	179.7	252.1	324.5	287.1	329.1	333.8
67.5°	3249.4	3326.4	2297.0	392.2	147.1	177.4	266.1	340.8	301.1	347.8	350.2
70°	3230.7	3331.1	2243.3	289.5	137.7	186.7	287.1	354.8	308.1	371.2	371.2
72.5°	3067.3	3139.7	2084.6	219.4	128.4	179.7	291.8	359.5	312.8	408.5	408.5
75°	2836.2	2761.5	1715.7	182.1	121.4	179.7	284.8	354.8	308.1	399.2	396.8
77.5°	2460.4	2210.6	1183.5	161.1	114.4	172.7	266.1	345.5	294.1	371.2	375.8
80°	1578.0	1360.9	604.6	140.1	121.4	165.7	256.8	319.8	273.1	331.5	333.8
82.5°	719.0	604.6	275.5	123.7	119.1	149.4	233.4	284.8	238.1	282.5	280.1
85°	303.5	308.1	217.1	105.0	105.0	116.7	172.7	221.8	184.4	198.4	193.8
87.5°	235.8	226.4	149.4	63.0	67.7	51.4	112.0	158.7	121.4	128.4	126.1
90°	249.8	245.1	158.7	65.4	49.0	30.3	84.0	123.7	91.0	81.7	79.4
92.5°	266.1	263.8	177.4	70.0	49.0	25.7	72.4	100.4	65.4	56.0	53.7
95°	284.8	284.8	193.8	74.7	49.0	25.7	65.4	77.0	49.0	37.3	35.0
97.5°	226.4	231.1	165.7	77.0	46.7	25.7	58.4	63.0	37.3	21.0	21.0
100°	91.0	100.4	91.0	77.0	42.0	21.0	46.7	49.0	25.7	11.7	11.7
102.5°	21.0	25.7	63.0	67.7	32.7	14.0	30.3	30.3	16.3	7.0	7.0
105°	21.0	18.7	42.0	53.7	18.7	9.3	14.0	18.7	9.3	4.7	4.7
107.5°	21.0	21.0	18.7	25.7	9.3	7.0	7.0	7.0	4.7	4.7	4.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.0	25.7	11.7	9.3	7.0	7.0	4.7	4.7	7.0	23.3	23.3
115°	23.3	21.0	11.7	7.0	7.0	7.0	4.7	2.3	7.0	25.7	25.7
117.5°	21.0	18.7	11.7	7.0	4.7	7.0	4.7	2.3	7.0	25.7	25.7
120°	23.3	21.0	11.7	7.0	4.7	4.7	4.7	2.3	7.0	23.3	23.3
122.5°	23.3	23.3	14.0	4.7	4.7	2.3	4.7	2.3	7.0	21.0	21.0
125°	21.0	18.7	11.7	4.7	2.3	2.3	2.3	2.3	9.3	18.7	21.0
127.5°	18.7	16.3	9.3	4.7	2.3	2.3	2.3	2.3	7.0	14.0	16.3
130°	14.0	14.0	7.0	4.7	2.3	2.3	2.3	2.3	7.0	14.0	11.7
132.5°	9.3	9.3	7.0	4.7	2.3	2.3	2.3	2.3	7.0	9.3	9.3
135°	7.0	7.0	4.7	2.3	2.3	2.3	2.3	2.3	4.7	7.0	7.0
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7
140°	2.3	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	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	2.3	2.3	2.3	2.3	4.7	2.3	2.3	4.7	2.3	2.3	2.3
152.5°	2.3	2.3	2.3	4.7	2.3	2.3	2.3	2.3	7.0	7.0	4.7
155°	7.0	7.0	4.7	2.3	2.3	2.3	2.3	2.3	4.7	2.3	2.3
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	0.0	0.0	2.3	0.0
160°	0.0	0.0	2.3	2.3	2.3	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°	21.0	21.0	7.0	9.3	4.7	4.7	4.7	7.0	9.3	21.0
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110°	23.3	21.0	9.3	9.3	7.0	7.0	4.7	4.7	2.3	14.0	16.3
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(END OF REPORT)