

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: P560710

Luminaire Tested: **SDL-PA1-60-730-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560710
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-PA1-60-730-U-T2R-A
Description: Springdale
(1) 70 CRI, 3000K, 800mA 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: 5596 lumens
Efficiency: N/A
Efficacy: 89.7 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: B1 - U3 - G2

Input Watts (W): 62.4
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

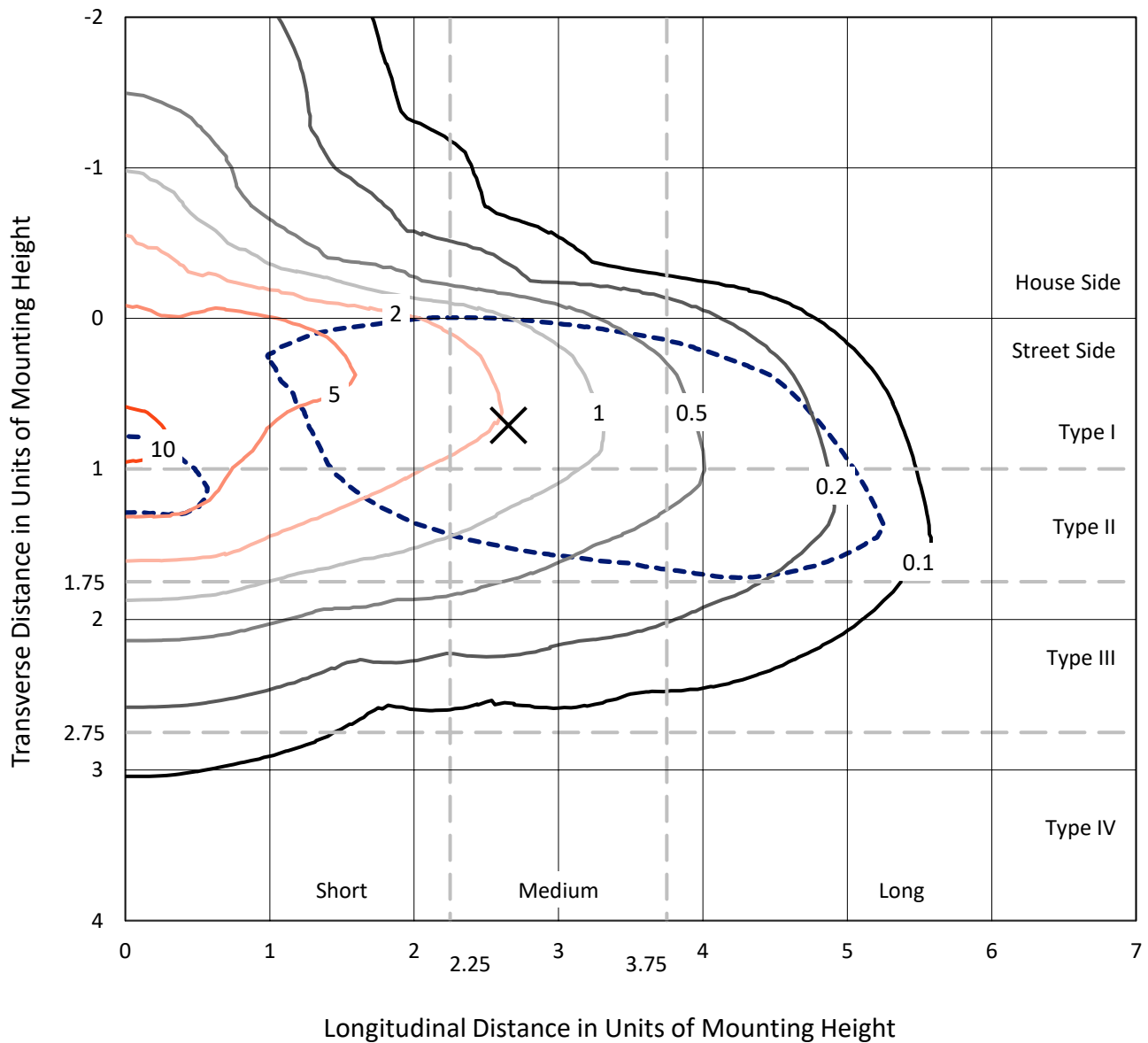


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

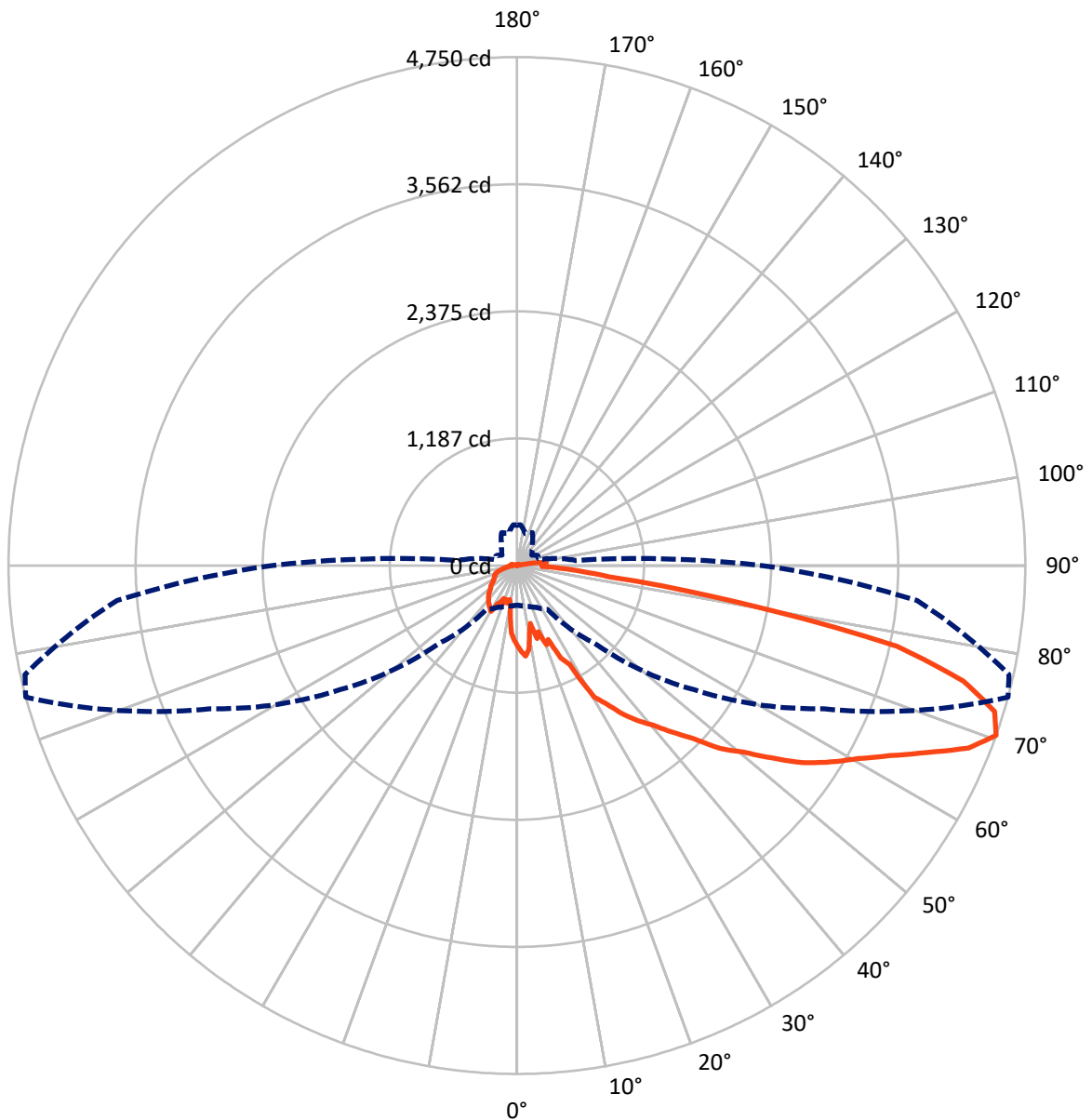


Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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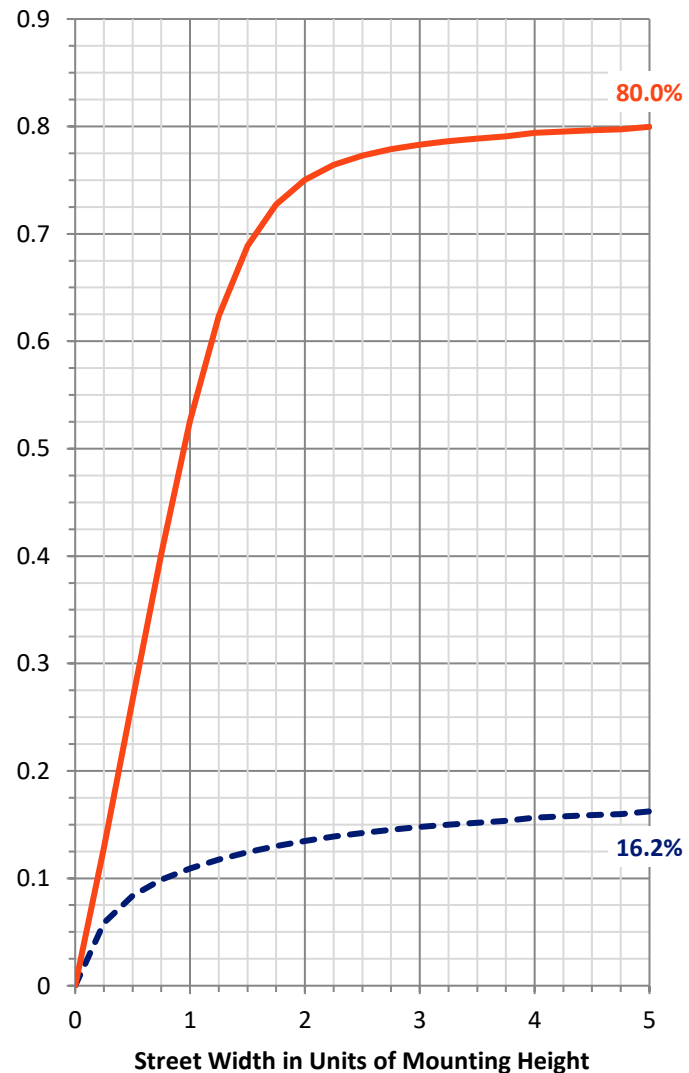
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	956.7	57.2	1013.9
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	4509.7	72.4	4582.2
	% Fixture	80.6	1.3	81.9
Total	Lumens	5466.4	129.6	5596.0
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	1.1
10°-20°	163.2	2.9
20°-30°	294.7	5.3
30°-40°	602.1	10.8
40°-50°	945.6	16.9
50°-60°	1161.1	20.7
60°-70°	1154.8	20.6
70°-80°	854.2	15.3
80°-90°	228.2	4.1
90°-100°	84.4	1.5
100°-110°	19.7	0.4
110°-120°	9.3	0.2
120°-130°	8.3	0.1
130°-140°	4.0	0.1
140°-150°	2.0	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5466.4	97.7
0°-180°	5596.0	100.0

Coefficient of Utilization



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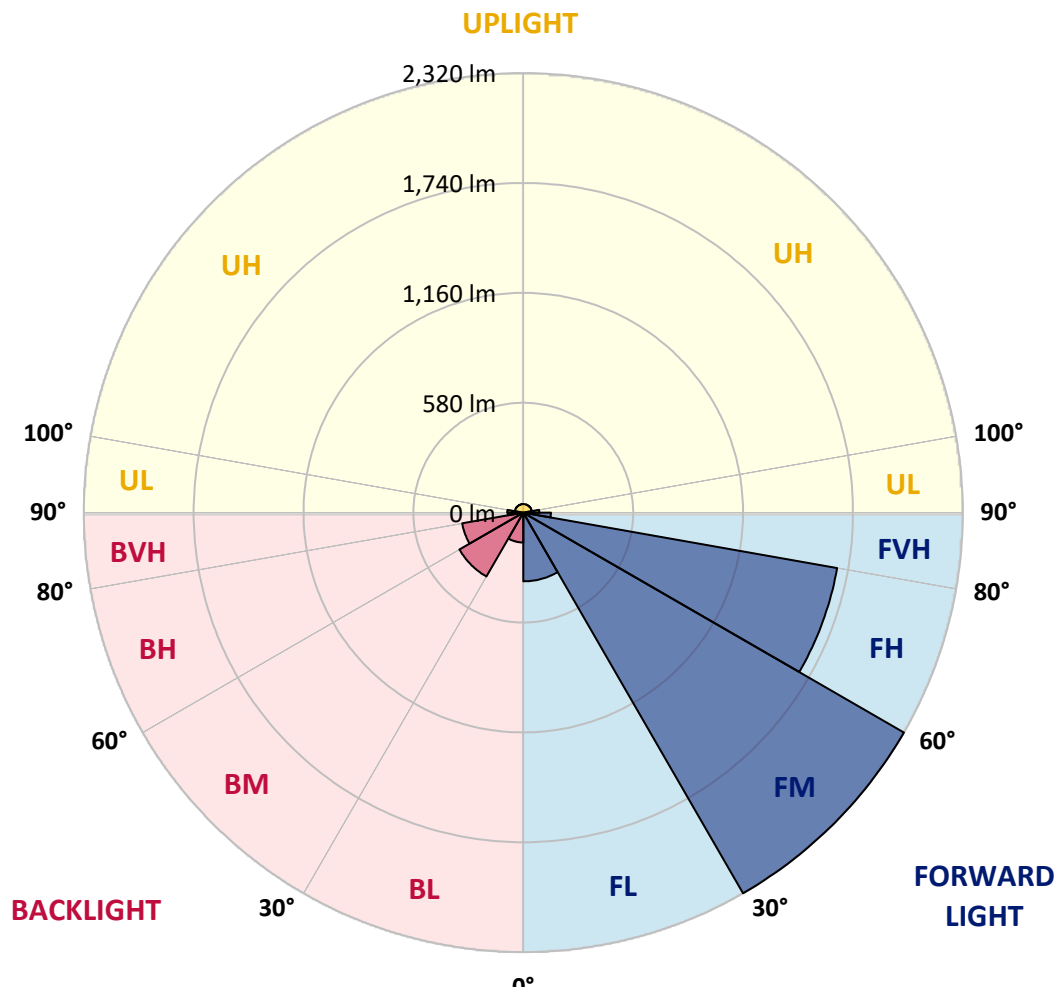
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	362.7	6.5			
FM	(30°-60°)	2319.6	41.5			
FH	(60°-80°)	1681.7	30.1			G1/1800
FVH	(80°-90°)	145.7	2.6			G2/225
BL	(0°-30°)	157.7	2.8	B1/500		
BM	(30°-60°)	389.2	7.0	B1/1000		
BH	(60°-80°)	327.2	5.8	B1/500		G1/500
BVH	(80°-90°)	82.5	1.5			G1/100
UL	(90°-100°)	84.4	1.5		U3/500	
UH	(100°-180°)	45.3	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°	750.1	750.1	750.1	750.1	750.1	750.1	750.1	750.1	750.1	750.1	750.1
2.5°	778.5	822.2	841.9	863.8	883.5	872.5	855.0	828.8	804.7	796.0	769.8
5°	859.4	855.0	852.9	846.3	835.4	815.7	791.6	885.7	848.5	833.2	789.4
7.5°	756.6	876.9	890.0	903.2	898.8	874.7	844.1	758.8	791.6	771.9	717.3
10°	925.0	925.0	920.7	925.0	874.7	835.4	715.1	664.8	640.7	693.2	642.9
12.5°	787.3	857.2	944.7	962.2	885.7	776.3	726.0	702.0	553.3	546.7	586.1
15°	916.3	927.2	929.4	933.8	754.5	813.5	671.4	623.2	706.3	686.7	693.2
17.5°	737.0	747.9	890.0	881.3	811.3	649.5	785.1	704.2	649.5	625.4	616.7
20°	927.2	929.4	922.8	745.7	782.9	848.5	734.8	712.9	791.6	789.4	756.6
22.5°	789.4	791.6	815.7	898.8	809.1	857.2	739.1	890.0	750.1	752.3	583.9
25°	1056.2	1058.4	1036.6	800.4	909.7	804.7	896.6	800.4	957.8	927.2	855.0
27.5°	1108.7	1027.8	944.7	992.8	868.2	999.4	852.9	968.8	1040.9	1034.4	1045.3
30°	1406.1	1410.5	1353.6	1086.8	1016.9	986.3	984.1	1150.3	1425.8	1436.7	1255.2
32.5°	1904.7	1878.5	1598.6	1340.5	1095.6	1202.8	1104.3	1331.8	1541.7	1535.1	1344.9
35°	2132.1	2105.9	2000.9	1655.4	1266.2	1299.0	1246.5	1417.1	1701.3	1651.0	1434.6
37.5°	2324.6	2320.2	2232.7	1823.8	1438.9	1487.0	1331.8	1522.0	1839.1	1786.6	1526.4
40°	2490.8	2475.5	2398.9	1974.7	1616.1	1618.2	1438.9	1648.9	1961.6	1974.7	1616.1
42.5°	2628.6	2615.4	2552.0	2125.6	1721.0	1734.1	1552.6	1777.9	2125.6	2149.6	1756.0
45°	2685.4	2692.0	2648.2	2261.2	1815.1	1839.1	1688.2	1909.1	2300.5	2320.2	1880.7
47.5°	2727.0	2729.2	2718.2	2372.7	1915.7	1926.6	1821.6	2027.2	2554.2	2514.8	2027.2
50°	2632.9	2624.2	2635.1	2458.0	2003.1	2016.2	1933.1	2149.6	2735.7	2685.4	2180.3
52.5°	2385.8	2396.8	2510.5	2414.2	2031.6	2057.8	2038.1	2256.8	2987.2	2947.8	2398.9
55°	1764.8	1812.9	2140.9	2234.9	2029.4	2075.3	2134.3	2460.2	3251.8	3192.8	2584.8
57.5°	1428.0	1428.0	1620.4	1928.8	1917.8	2064.4	2232.7	2597.9	3461.7	3420.2	2770.7
60°	1145.9	1145.9	1250.9	1530.8	1701.3	2009.7	2333.3	2801.3	3660.7	3636.7	2934.7
62.5°	898.8	896.6	984.1	1141.5	1395.2	1889.4	2385.8	2976.3	3910.0	3905.7	3197.1
65°	649.5	658.2	732.6	831.0	1095.6	1664.2	2383.6	3133.7	4209.6	4222.8	3492.4
67.5°	481.1	485.5	527.0	599.2	752.3	1379.9	2278.7	3243.1	4548.6	4526.7	3680.4
70°	369.6	376.1	393.6	430.8	500.8	1025.6	2025.0	3166.5	4749.8	4708.2	3750.4
72.5°	310.5	312.7	310.5	330.2	334.6	695.4	1622.6	2875.7	4666.7	4601.1	3558.0
75°	264.6	262.4	260.2	264.6	247.1	459.2	1163.4	2433.9	4308.0	4194.3	3142.5
77.5°	227.4	225.2	216.5	218.7	196.8	339.0	793.8	1909.1	3630.1	3363.3	2361.8
80°	188.1	188.1	181.5	181.5	166.2	258.0	507.3	1316.5	2114.7	1902.5	1229.0
82.5°	146.5	144.3	144.3	148.7	142.1	201.2	332.4	656.0	872.5	817.9	575.1
85°	78.7	78.7	89.7	100.6	98.4	122.5	253.7	387.1	516.1	498.6	321.5
87.5°	24.1	24.1	26.2	32.8	35.0	65.6	159.6	188.1	234.0	258.0	253.7
90°	26.2	24.1	17.5	19.7	21.9	48.1	148.7	181.5	236.2	262.4	269.0
92.5°	30.6	28.4	17.5	17.5	21.9	39.4	142.1	177.1	258.0	284.3	290.8
95°	32.8	30.6	17.5	17.5	21.9	35.0	126.8	174.9	275.5	310.5	310.5
97.5°	30.6	28.4	13.1	15.3	19.7	30.6	98.4	144.3	192.4	212.1	244.9
100°	26.2	26.2	8.7	13.1	17.5	21.9	56.9	78.7	56.9	54.7	54.7
102.5°	24.1	24.1	8.7	10.9	13.1	15.3	26.2	41.5	13.1	15.3	19.7
105°	24.1	26.2	6.6	8.7	8.7	8.7	13.1	21.9	10.9	13.1	19.7
107.5°	24.1	26.2	6.6	6.6	8.7	6.6	6.6	8.7	10.9	13.1	21.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	15.3	15.3	4.4	6.6	6.6	6.6	4.4	6.6	10.9	15.3	21.9
115°	10.9	8.7	4.4	6.6	4.4	6.6	4.4	6.6	10.9	15.3	19.7
117.5°	8.7	6.6	4.4	4.4	4.4	4.4	2.2	6.6	13.1	17.5	24.1
120°	8.7	8.7	4.4	4.4	4.4	4.4	2.2	6.6	19.7	21.9	30.6
122.5°	8.7	8.7	4.4	4.4	4.4	4.4	2.2	4.4	17.5	24.1	32.8
125°	8.7	8.7	4.4	4.4	4.4	4.4	2.2	4.4	15.3	21.9	28.4
127.5°	8.7	8.7	4.4	2.2	4.4	4.4	4.4	4.4	13.1	17.5	24.1
130°	8.7	8.7	4.4	2.2	4.4	4.4	4.4	4.4	10.9	13.1	19.7
132.5°	6.6	6.6	4.4	2.2	4.4	2.2	2.2	4.4	8.7	10.9	15.3
135°	4.4	4.4	4.4	2.2	4.4	2.2	2.2	2.2	4.4	6.6	10.9
137.5°	2.2	4.4	2.2	2.2	4.4	2.2	2.2	2.2	2.2	2.2	4.4
140°	2.2	2.2	2.2	2.2	4.4	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	2.2	2.2	2.2	2.2	4.4	4.4	2.2	2.2	2.2	2.2	2.2
145°	2.2	2.2	2.2	2.2	6.6	4.4	2.2	2.2	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	8.7	6.6	4.4	2.2	2.2	2.2	2.2	2.2
150°	10.9	10.9	10.9	8.7	6.6	4.4	6.6	2.2	2.2	2.2	2.2
152.5°	10.9	10.9	13.1	6.6	4.4	2.2	2.2	8.7	6.6	4.4	4.4
155°	8.7	6.6	6.6	2.2	2.2	2.2	2.2	2.2	6.6	8.7	8.7
157.5°	2.2	2.2	4.4	2.2	2.2	2.2	2.2	2.2	4.4	2.2	2.2
160°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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°	750.1	750.1	750.1	750.1	750.1	750.1	750.1	750.1	750.1	750.1	750.1
2.5°	754.5	737.0	695.4	664.8	627.6	594.8	566.4	503.0	492.0	485.5	483.3
5°	754.5	717.3	636.4	538.0	461.4	443.9	435.2	435.2	430.8	433.0	435.2
7.5°	669.2	618.9	496.4	419.9	433.0	433.0	435.2	424.2	389.3	393.6	387.1
10°	586.1	522.7	373.9	341.1	373.9	376.1	426.4	446.1	452.7	454.9	454.9
12.5°	540.1	450.5	323.6	334.6	301.8	345.5	406.7	454.9	413.3	391.4	391.4
15°	621.1	533.6	363.0	293.0	297.4	345.5	308.3	430.8	446.1	450.5	450.5
17.5°	557.6	470.2	332.4	301.8	332.4	284.3	347.7	395.8	378.3	358.6	356.5
20°	669.2	555.5	371.8	295.2	293.0	336.8	308.3	323.6	404.6	406.7	404.6
22.5°	520.5	443.9	330.2	334.6	293.0	321.5	304.0	334.6	319.3	317.1	319.3
25°	721.7	575.1	380.5	288.7	306.2	284.3	306.2	282.1	339.0	343.3	345.5
27.5°	883.5	686.7	404.6	312.7	266.8	290.8	273.4	282.1	262.4	273.4	277.7
30°	1051.9	800.4	494.2	345.5	282.1	249.3	253.7	251.5	284.3	282.1	277.7
32.5°	1106.5	815.7	472.4	360.8	279.9	251.5	231.8	247.1	271.2	290.8	293.0
35°	1161.2	826.6	454.9	345.5	273.4	236.2	227.4	253.7	273.4	275.5	282.1
37.5°	1224.6	835.4	437.4	323.6	253.7	231.8	225.2	236.2	279.9	275.5	269.0
40°	1283.7	839.7	415.5	304.0	231.8	227.4	209.9	236.2	247.1	255.9	260.2
42.5°	1388.6	866.0	398.0	286.5	216.5	216.5	201.2	220.9	253.7	258.0	255.9
45°	1465.2	857.2	373.9	271.2	201.2	192.4	196.8	240.6	255.9	282.1	277.7
47.5°	1574.5	879.1	345.5	247.1	188.1	177.1	185.9	234.0	262.4	282.1	286.5
50°	1681.7	874.7	321.5	227.4	179.3	168.4	205.6	227.4	258.0	290.8	290.8
52.5°	1821.6	881.3	310.5	209.9	168.4	168.4	212.1	229.6	264.6	286.5	286.5
55°	1946.3	857.2	284.3	203.4	166.2	161.8	214.3	238.4	266.8	286.5	288.7
57.5°	2038.1	809.1	264.6	196.8	164.0	166.2	214.3	258.0	249.3	286.5	293.0
60°	2138.7	756.6	247.1	196.8	164.0	172.8	220.9	273.4	273.4	299.6	299.6
62.5°	2276.5	723.8	238.4	199.0	159.6	179.3	240.6	297.4	275.5	317.1	319.3
65°	2392.4	680.1	231.8	207.7	161.8	188.1	251.5	317.1	288.7	336.8	334.6
67.5°	2394.6	614.5	223.1	216.5	164.0	194.6	251.5	330.2	304.0	354.3	347.7
70°	2289.6	548.9	209.9	216.5	170.6	201.2	251.5	339.0	306.2	382.7	376.1
72.5°	2064.4	448.3	190.3	207.7	181.5	209.9	264.6	336.8	306.2	413.3	406.7
75°	1756.0	358.6	164.0	190.3	181.5	220.9	273.4	334.6	295.2	393.6	380.5
77.5°	1336.1	293.0	137.8	166.2	172.8	225.2	273.4	330.2	286.5	367.4	358.6
80°	688.8	205.6	111.5	142.1	161.8	220.9	271.2	312.7	255.9	325.8	321.5
82.5°	378.3	150.9	89.7	105.0	135.6	207.7	262.4	282.1	225.2	266.8	255.9
85°	244.9	109.3	72.2	85.3	113.7	172.8	220.9	223.1	159.6	192.4	181.5
87.5°	183.7	63.4	45.9	52.5	78.7	96.2	140.0	144.3	100.6	118.1	111.5
90°	192.4	63.4	48.1	54.7	70.0	72.2	102.8	109.3	78.7	89.7	89.7
92.5°	205.6	63.4	50.3	56.9	63.4	56.9	80.9	89.7	65.6	72.2	70.0
95°	209.9	61.2	54.7	59.0	56.9	45.9	65.6	72.2	54.7	54.7	54.7
97.5°	153.1	43.7	54.7	59.0	52.5	37.2	50.3	56.9	35.0	28.4	28.4
100°	41.5	21.9	52.5	56.9	45.9	30.6	43.7	43.7	21.9	15.3	15.3
102.5°	17.5	17.5	45.9	50.3	35.0	19.7	30.6	30.6	15.3	6.6	6.6
105°	17.5	13.1	32.8	37.2	24.1	10.9	15.3	17.5	10.9	6.6	6.6
107.5°	17.5	13.1	15.3	19.7	10.9	8.7	8.7	8.7	6.6	6.6	6.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.9	15.3	8.7	10.9	8.7	6.6	6.6	6.6	8.7	19.7	19.7
115°	19.7	13.1	8.7	8.7	6.6	6.6	4.4	4.4	8.7	24.1	24.1
117.5°	21.9	15.3	8.7	8.7	6.6	4.4	4.4	4.4	10.9	28.4	28.4
120°	26.2	17.5	8.7	6.6	4.4	4.4	4.4	4.4	13.1	30.6	30.6
122.5°	28.4	19.7	8.7	6.6	4.4	2.2	4.4	6.6	15.3	30.6	30.6
125°	24.1	17.5	8.7	6.6	4.4	2.2	4.4	6.6	15.3	28.4	30.6
127.5°	21.9	15.3	8.7	4.4	4.4	2.2	2.2	6.6	13.1	21.9	26.2
130°	17.5	13.1	6.6	4.4	4.4	2.2	2.2	4.4	13.1	19.7	24.1
132.5°	15.3	10.9	6.6	4.4	4.4	2.2	2.2	4.4	13.1	17.5	17.5
135°	10.9	8.7	4.4	4.4	4.4	2.2	4.4	2.2	8.7	15.3	15.3
137.5°	6.6	4.4	4.4	4.4	4.4	2.2	2.2	2.2	6.6	8.7	8.7
140°	2.2	2.2	4.4	4.4	4.4	2.2	2.2	2.2	4.4	4.4	4.4
142.5°	2.2	2.2	4.4	4.4	4.4	2.2	2.2	2.2	4.4	4.4	4.4
145°	2.2	2.2	2.2	4.4	4.4	2.2	2.2	2.2	2.2	2.2	4.4
147.5°	2.2	2.2	2.2	4.4	2.2	2.2	2.2	2.2	2.2	2.2	4.4
150°	2.2	2.2	2.2	4.4	4.4	2.2	2.2	4.4	4.4	4.4	4.4
152.5°	2.2	2.2	4.4	4.4	2.2	2.2	2.2	4.4	4.4	4.4	4.4
155°	6.6	6.6	4.4	4.4	2.2	2.2	0.0	2.2	4.4	4.4	4.4
157.5°	2.2	2.2	4.4	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
160°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
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°	21.9	21.9	4.4	6.6	6.6	6.6	4.4	6.6	10.9	15.3	21.9
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110°	19.7	13.1	8.7	10.9	8.7	6.6	6.6	6.6	6.6	8.7	10.9
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(END OF REPORT)