

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: P560005

Luminaire Tested: **SDL-PA1-20-730-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-730-U-SL3
Description: Springdale
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2496.3 lumens
Efficiency: N/A
Efficacy: 118.9 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 - U0 - G1

Input Watts (W): 21
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



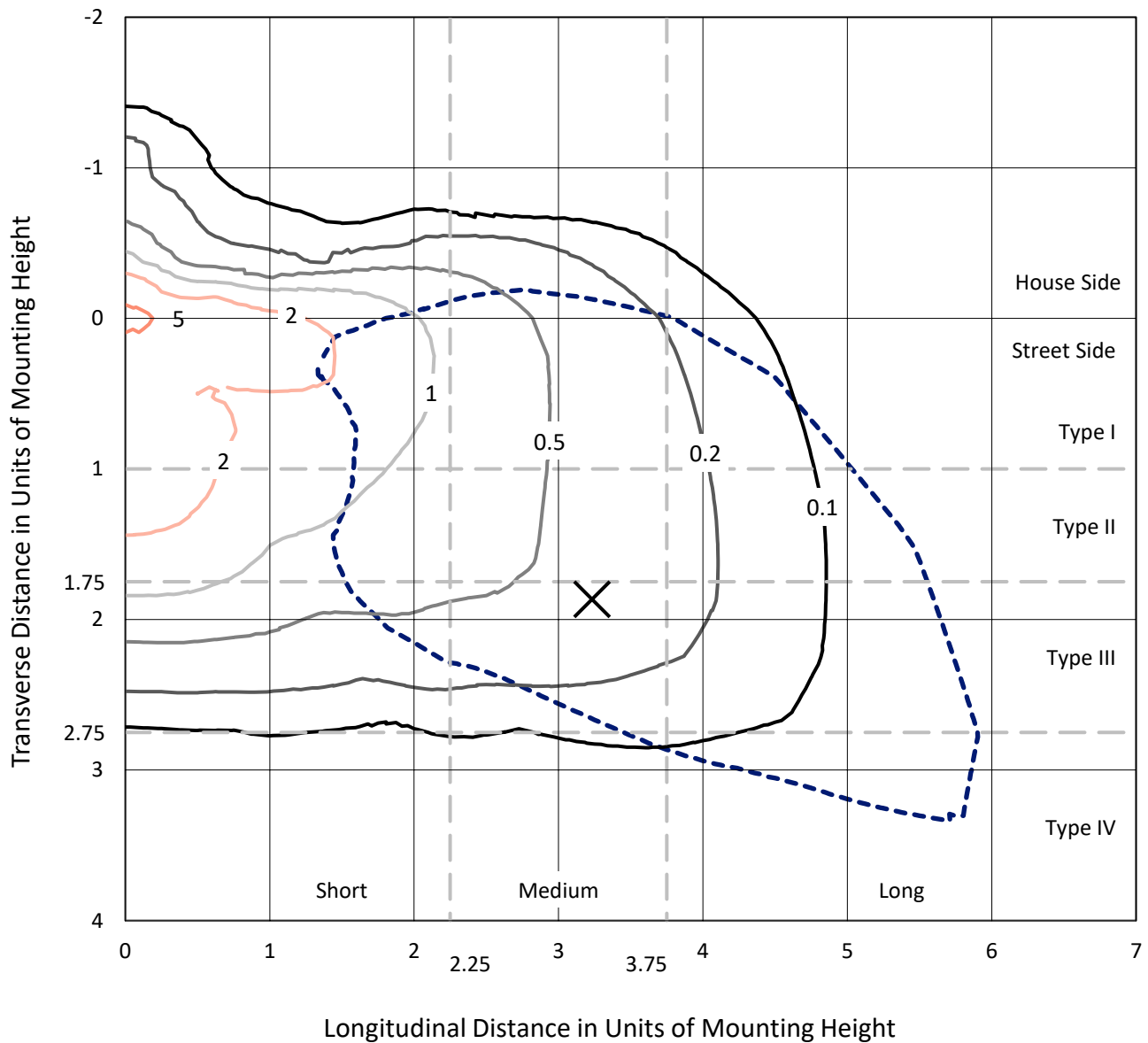
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

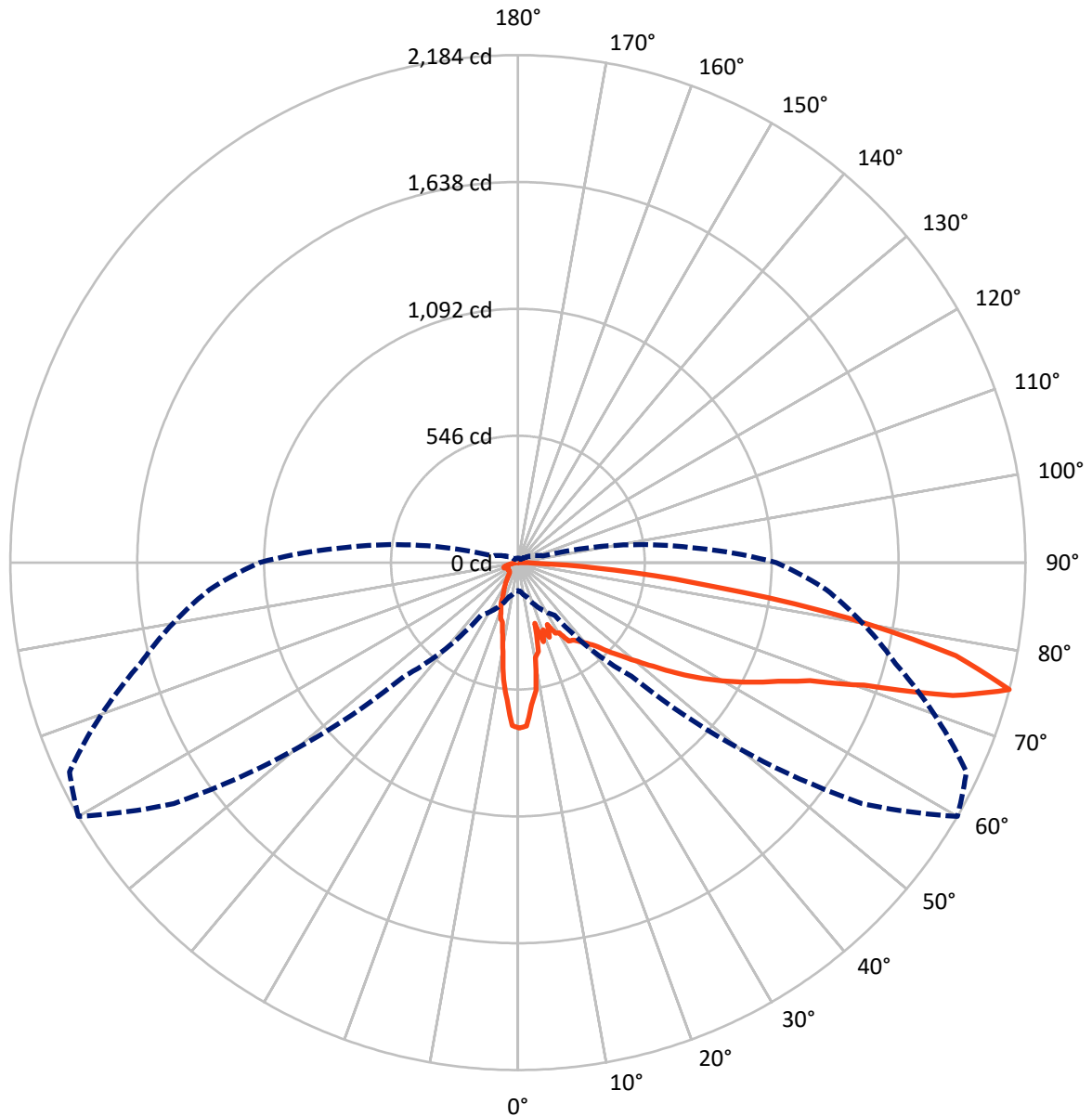


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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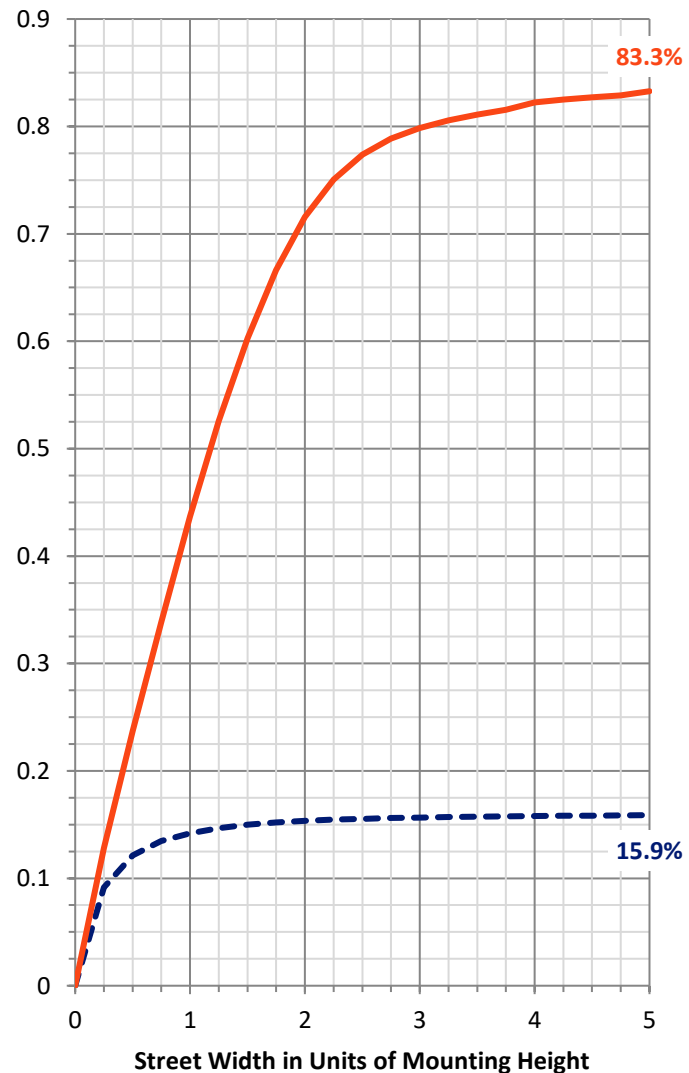
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	401.2	0.0	401.2
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	2095.0	0.0	2095.0
	% Fixture	83.9	0.0	83.9
Total	Lumens	2496.3	0.0	2496.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	2.1
10°-20°	93.7	3.8
20°-30°	122.8	4.9
30°-40°	202.6	8.1
40°-50°	316.4	12.7
50°-60°	481.6	19.3
60°-70°	596.7	23.9
70°-80°	527.2	21.1
80°-90°	103.3	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2496.3	100.0
0°-180°	2496.3	100.0



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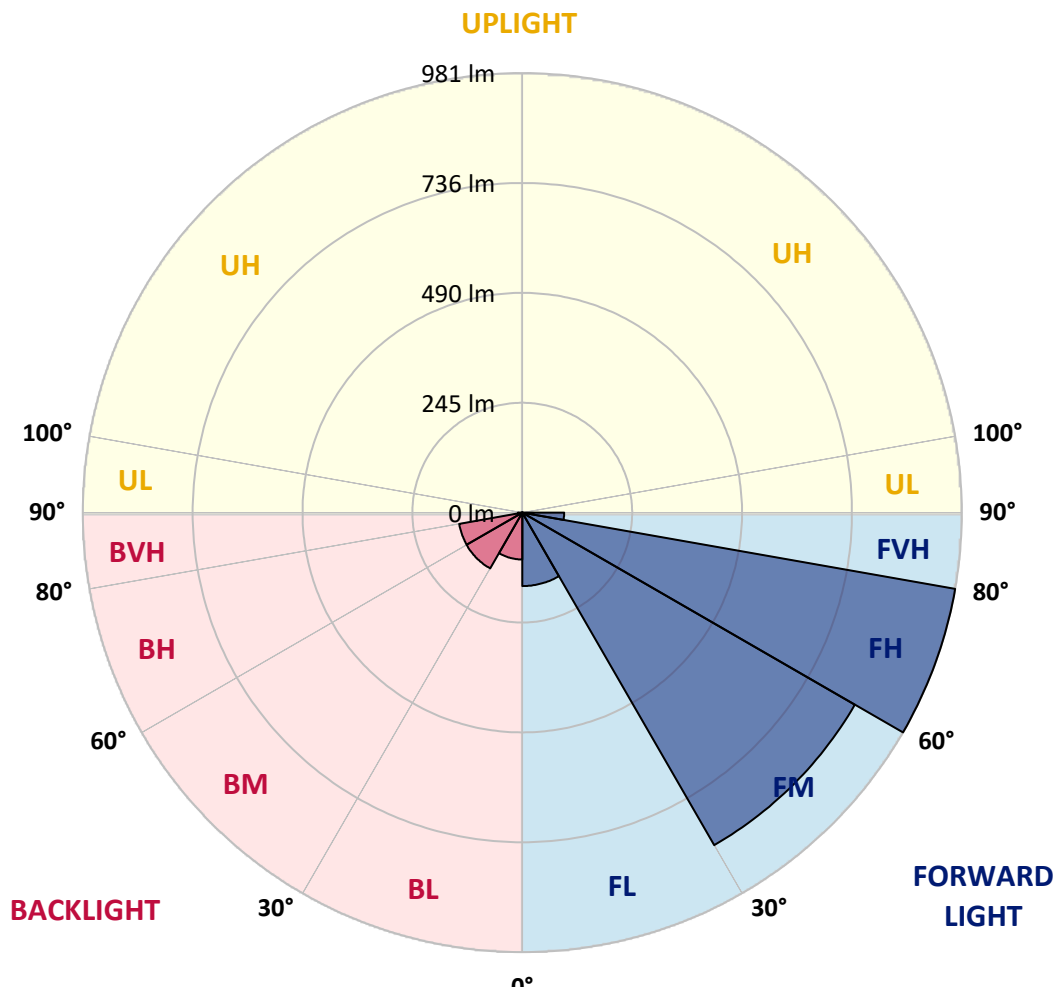
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	163.9	6.6			
FM	(30°-60°)	856.8	34.3			
FH	(60°-80°)	980.9	39.3			G1/1800
FVH	(80°-90°)	93.5	3.7			G1/100
BL	(0°-30°)	104.5	4.2	B0/110		
BM	(30°-60°)	143.8	5.8	B0/220		
BH	(60°-80°)	143.1	5.7	B1/500		G1/500
BVH	(80°-90°)	9.9	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0
2.5°	591.4	658.1	642.6	627.0	650.8	673.6	681.0	687.4	691.0	694.7	698.3
5°	549.3	550.3	551.2	552.1	554.8	556.6	560.3	564.0	567.6	570.4	574.0
7.5°	424.1	438.7	462.5	486.3	500.9	514.6	522.8	530.1	535.6	541.1	546.6
10°	471.6	474.4	475.3	475.3	479.9	484.4	449.7	414.1	431.4	448.8	429.6
12.5°	370.2	380.2	410.4	439.7	448.8	457.0	440.6	424.1	398.5	372.0	370.2
15°	425.0	427.8	428.7	428.7	400.3	372.0	352.8	332.7	348.2	362.9	329.1
17.5°	329.1	331.8	355.6	379.3	383.9	388.5	368.4	348.2	303.5	257.8	300.7
20°	391.2	393.0	393.0	393.0	345.5	298.0	301.6	304.4	319.0	333.6	321.7
22.5°	315.3	315.3	315.3	315.3	330.0	343.7	314.4	285.2	301.6	318.1	303.5
25°	396.7	399.4	393.0	385.7	341.9	298.0	311.7	325.4	300.7	276.0	298.0
27.5°	362.0	359.2	346.4	332.7	339.1	345.5	315.3	285.2	304.4	323.6	314.4
30°	480.8	472.6	458.8	445.1	393.0	340.9	332.7	324.5	308.0	290.7	309.9
32.5°	638.9	617.9	553.9	489.9	457.9	425.9	384.8	343.7	340.0	335.5	340.9
35°	681.0	667.2	640.7	613.3	558.5	502.7	450.6	397.6	380.2	362.0	365.6
37.5°	689.2	684.6	679.1	672.7	617.0	561.2	504.5	447.9	429.6	410.4	396.7
40°	695.6	699.2	709.3	718.4	662.7	606.0	554.8	502.7	483.5	463.4	439.7
42.5°	724.8	734.9	747.7	759.6	708.4	657.2	612.4	567.6	542.9	518.3	496.3
45°	792.5	798.0	811.7	824.5	776.0	726.7	675.5	623.4	602.4	581.3	559.4
47.5°	891.2	900.3	899.4	898.5	844.6	789.7	732.1	673.6	659.9	645.3	624.3
50°	1015.5	1009.1	991.7	974.4	915.9	856.5	788.8	720.3	713.9	706.6	689.2
52.5°	1077.7	1073.1	1049.3	1024.6	965.2	905.8	832.7	758.7	766.9	775.1	758.7
55°	1081.3	1078.6	1061.2	1043.8	986.2	928.7	863.8	798.9	819.0	839.1	832.7
57.5°	1054.8	1055.7	1050.2	1043.8	992.6	941.5	887.5	833.6	868.3	902.2	908.6
60°	987.2	1000.9	1010.0	1019.2	987.2	955.2	908.6	861.9	915.0	968.0	985.3
62.5°	861.9	873.8	906.7	938.7	945.1	950.6	919.5	887.5	958.8	1029.2	1057.5
65°	668.2	684.6	734.0	783.3	834.5	885.7	893.0	900.3	1021.0	1141.6	1165.4
67.5°	416.8	425.9	478.0	529.2	632.5	734.9	793.4	851.9	1060.3	1267.8	1305.2
70°	220.3	234.0	259.6	284.3	372.9	461.6	580.4	699.2	1000.9	1302.5	1456.1
72.5°	167.3	172.8	186.5	200.2	231.3	262.3	337.3	412.2	783.3	1153.5	1507.2
75°	120.7	125.2	139.8	153.6	184.6	214.8	245.9	276.0	483.5	691.0	1249.5
77.5°	70.4	72.2	79.5	85.9	134.4	182.8	216.6	249.5	299.8	349.2	892.1
80°	48.4	49.4	52.1	54.8	75.9	96.9	161.8	226.7	249.5	271.5	591.4
82.5°	32.0	36.6	38.4	40.2	47.5	54.8	95.1	134.4	197.4	259.6	404.0
85°	16.5	18.3	21.9	24.7	28.3	31.1	43.0	53.9	163.6	272.4	290.7
87.5°	1.8	2.7	3.7	3.7	4.6	5.5	8.2	11.0	49.4	87.7	75.0
90°	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0
2.5°	702.0	703.8	702.9	704.7	705.6	706.6	707.5	707.5	706.6	704.7	702.9
5°	577.7	614.2	676.4	682.8	689.2	691.0	692.8	693.8	691.9	689.2	686.4
7.5°	551.2	556.6	500.9	545.7	589.6	593.2	596.0	594.1	595.0	570.4	544.8
10°	410.4	415.0	416.8	430.5	443.3	473.5	503.6	499.1	495.4	451.5	406.7
12.5°	368.4	392.1	397.6	374.8	351.9	383.0	414.1	410.4	404.0	363.8	323.6
15°	295.2	270.6	323.6	372.9	421.4	450.6	479.0	470.7	463.4	412.2	360.1
17.5°	342.8	357.4	340.0	347.3	354.6	376.6	397.6	384.8	380.2	344.6	308.0
20°	309.9	308.9	297.1	340.0	383.0	425.9	468.0	455.2	433.3	363.8	293.4
22.5°	288.8	348.2	373.8	368.4	362.0	345.5	328.1	317.2	300.7	285.2	268.7
25°	319.0	294.3	314.4	380.2	445.1	457.0	468.9	441.5	405.8	335.5	265.1
27.5°	305.3	343.7	369.3	413.1	456.1	497.2	538.4	501.8	455.2	367.4	278.8
30°	329.1	350.1	421.4	503.6	585.9	600.5	614.2	564.0	501.8	413.1	324.5
32.5°	346.4	402.2	465.2	529.2	592.3	603.3	614.2	557.6	486.3	388.5	290.7
35°	368.4	409.5	467.1	542.0	617.0	619.7	621.5	555.7	475.3	364.7	253.2
37.5°	383.0	429.6	491.8	571.3	650.8	645.3	638.9	564.0	471.6	348.2	224.9
40°	415.9	456.1	522.8	604.2	685.5	676.4	667.2	581.3	472.6	331.8	190.1
42.5°	473.5	489.0	561.2	648.1	734.9	724.8	713.9	611.5	483.5	322.7	160.9
45°	536.5	543.9	606.0	704.7	803.4	790.6	777.8	658.1	503.6	318.1	132.5
47.5°	602.4	600.5	658.1	777.8	896.7	869.2	841.8	712.9	541.1	327.2	113.3
50°	670.9	668.2	723.9	852.8	981.7	952.4	923.2	778.8	584.1	343.7	102.4
52.5°	741.3	747.7	788.8	923.2	1056.6	1030.1	1002.7	850.1	626.1	362.0	97.8
55°	825.4	845.5	861.9	996.3	1130.7	1104.2	1076.7	923.2	684.6	390.3	96.0
57.5°	914.0	940.5	947.9	1070.3	1192.8	1175.5	1157.2	992.6	744.0	423.2	101.5
60°	1002.7	1037.4	1063.9	1162.7	1260.5	1240.3	1220.2	1063.0	799.8	459.8	119.7
62.5°	1085.0	1133.4	1176.4	1248.6	1319.9	1296.1	1272.3	1124.3	862.9	510.0	156.3
65°	1188.2	1231.2	1277.8	1325.4	1372.0	1349.1	1326.3	1201.0	946.9	573.1	198.3
67.5°	1342.7	1355.5	1379.3	1408.5	1436.9	1423.2	1408.5	1295.2	1020.1	609.7	198.3
70°	1608.7	1580.4	1544.7	1543.8	1542.0	1520.0	1497.2	1348.2	1024.6	595.0	165.4
72.5°	1860.1	1957.0	1843.6	1761.4	1679.1	1582.2	1484.4	1276.9	904.9	518.3	131.6
75°	1807.1	2183.6	2128.8	1905.8	1682.7	1507.2	1331.8	1112.4	744.9	428.7	112.4
77.5°	1434.1	1926.8	1978.9	1774.1	1568.5	1330.8	1092.3	860.1	516.4	305.3	94.1
80°	910.4	1440.5	1449.7	1259.5	1068.5	813.5	558.5	374.8	248.6	161.8	75.0
82.5°	548.4	852.8	742.2	532.0	321.7	223.0	123.4	118.8	91.4	67.6	43.9
85°	308.9	417.7	299.8	196.5	93.2	66.7	39.3	42.0	40.2	32.9	24.7
87.5°	61.2	72.2	49.4	28.3	7.3	7.3	6.4	6.4	4.6	4.6	3.7
90°	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0
2.5°	702.9	702.9	701.1	699.2	698.3	697.4	670.0	642.6	624.3	605.1	600.5
5°	652.6	618.8	593.2	567.6	562.1	556.6	555.7	554.8	552.1	548.4	547.5
7.5°	515.5	485.4	506.4	526.5	522.8	518.3	515.5	511.9	505.5	499.1	467.1
10°	396.7	386.6	386.6	385.7	378.4	371.1	387.6	404.0	422.3	440.6	438.7
12.5°	338.2	351.9	316.3	279.7	299.8	319.0	337.3	354.6	363.8	372.9	344.6
15°	319.0	277.0	265.1	253.2	262.3	271.5	245.0	217.5	238.6	259.6	264.2
17.5°	286.1	264.2	252.3	239.5	204.7	169.1	181.0	192.9	191.9	191.0	186.5
20°	266.9	239.5	218.5	196.5	180.1	163.6	146.2	128.0	119.7	110.6	132.5
22.5°	254.1	239.5	195.6	151.7	138.9	126.1	112.4	97.8	103.3	107.9	111.5
25°	222.1	178.2	153.6	128.9	108.8	87.7	88.7	89.6	85.0	80.4	101.5
27.5°	224.9	170.0	131.6	93.2	85.9	77.7	73.1	67.6	75.0	81.3	83.2
30°	235.8	147.2	111.5	75.9	67.6	59.4	62.2	64.0	64.0	64.0	73.1
32.5°	209.3	128.0	95.1	61.2	56.7	51.2	52.1	52.1	56.7	61.2	65.8
35°	177.3	100.5	77.7	53.9	49.4	44.8	46.6	48.4	53.0	57.6	64.0
37.5°	152.6	79.5	64.0	48.4	45.7	43.0	43.9	44.8	49.4	53.0	58.5
40°	128.9	66.7	56.7	46.6	43.9	41.1	42.0	42.0	45.7	49.4	53.0
42.5°	111.5	61.2	53.9	45.7	43.0	39.3	40.2	40.2	43.0	45.7	48.4
45°	96.0	58.5	52.1	44.8	42.0	38.4	38.4	37.5	40.2	42.0	43.9
47.5°	85.9	57.6	51.2	44.8	41.1	36.6	35.6	34.7	37.5	39.3	42.0
50°	80.4	57.6	51.2	43.9	39.3	34.7	33.8	32.9	36.6	39.3	43.9
52.5°	78.6	58.5	51.2	43.9	38.4	32.9	32.9	32.9	39.3	45.7	47.5
55°	78.6	60.3	52.1	43.0	37.5	32.0	33.8	35.6	37.5	39.3	39.3
57.5°	80.4	59.4	50.3	41.1	37.5	32.9	32.0	31.1	32.0	32.9	32.9
60°	88.7	57.6	48.4	39.3	34.7	30.2	29.2	28.3	30.2	31.1	31.1
62.5°	106.9	56.7	48.4	39.3	33.8	28.3	28.3	27.4	28.3	29.2	30.2
65°	130.7	63.1	51.2	39.3	33.8	28.3	26.5	24.7	26.5	27.4	27.4
67.5°	136.2	74.0	59.4	43.9	35.6	27.4	25.6	23.8	25.6	26.5	26.5
70°	123.4	81.3	64.0	46.6	37.5	27.4	25.6	22.9	23.8	24.7	23.8
72.5°	106.0	79.5	63.1	45.7	36.6	26.5	24.7	21.9	22.9	22.9	21.9
75°	90.5	68.6	53.9	38.4	31.1	22.9	21.0	19.2	20.1	20.1	20.1
77.5°	75.9	56.7	43.9	30.2	24.7	18.3	17.4	16.5	17.4	18.3	17.4
80°	59.4	43.0	32.9	21.9	18.3	13.7	14.6	14.6	15.5	15.5	15.5
82.5°	34.7	25.6	21.0	15.5	12.8	10.1	11.0	11.9	12.8	12.8	12.8
85°	21.0	16.5	13.7	11.0	9.1	6.4	8.2	9.1	9.1	9.1	8.2
87.5°	3.7	3.7	3.7	3.7	2.7	1.8	3.7	4.6	4.6	4.6	3.7
90°	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):

	165°	170°	175°	180°
0°	712.0	712.0	712.0	712.0
2.5°	595.0	595.0	594.1	594.1
5°	546.6	544.8	542.9	544.8
7.5°	435.1	422.3	409.5	413.1
10°	436.0	435.1	434.2	433.3
12.5°	315.3	305.3	295.2	288.8
15°	267.8	265.1	261.4	261.4
17.5°	181.0	172.8	164.5	159.0
20°	154.5	159.0	162.7	164.5
22.5°	115.2	118.8	122.5	124.3
25°	121.6	130.7	138.9	139.8
27.5°	84.1	88.7	92.3	90.5
30°	82.3	85.0	87.7	87.7
32.5°	70.4	77.7	85.0	85.9
35°	70.4	74.0	77.7	78.6
37.5°	63.1	65.8	67.6	68.6
40°	56.7	58.5	59.4	59.4
42.5°	50.3	54.8	58.5	58.5
45°	44.8	56.7	68.6	72.2
47.5°	43.9	61.2	78.6	82.3
50°	47.5	64.0	79.5	81.3
52.5°	48.4	57.6	65.8	65.8
55°	38.4	43.0	46.6	45.7
57.5°	32.9	36.6	39.3	39.3
60°	31.1	35.6	39.3	40.2
62.5°	30.2	32.0	33.8	35.6
65°	27.4	27.4	27.4	27.4
67.5°	25.6	25.6	24.7	24.7
70°	22.9	22.9	22.9	22.9
72.5°	21.0	21.0	21.0	20.1
75°	19.2	19.2	18.3	18.3
77.5°	16.5	16.5	16.5	16.5
80°	14.6	14.6	13.7	13.7
82.5°	11.9	11.9	11.0	10.1
85°	7.3	7.3	6.4	5.5
87.5°	2.7	2.7	1.8	0.9
90°	0.0	0.0	0.0	0.0



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