

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: P560017

Luminaire Tested: **SDL-PA1-20-730-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
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-T3
Description: Springdale
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2499.9 lumens
Efficiency: N/A
Efficacy: 119.0 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 - 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



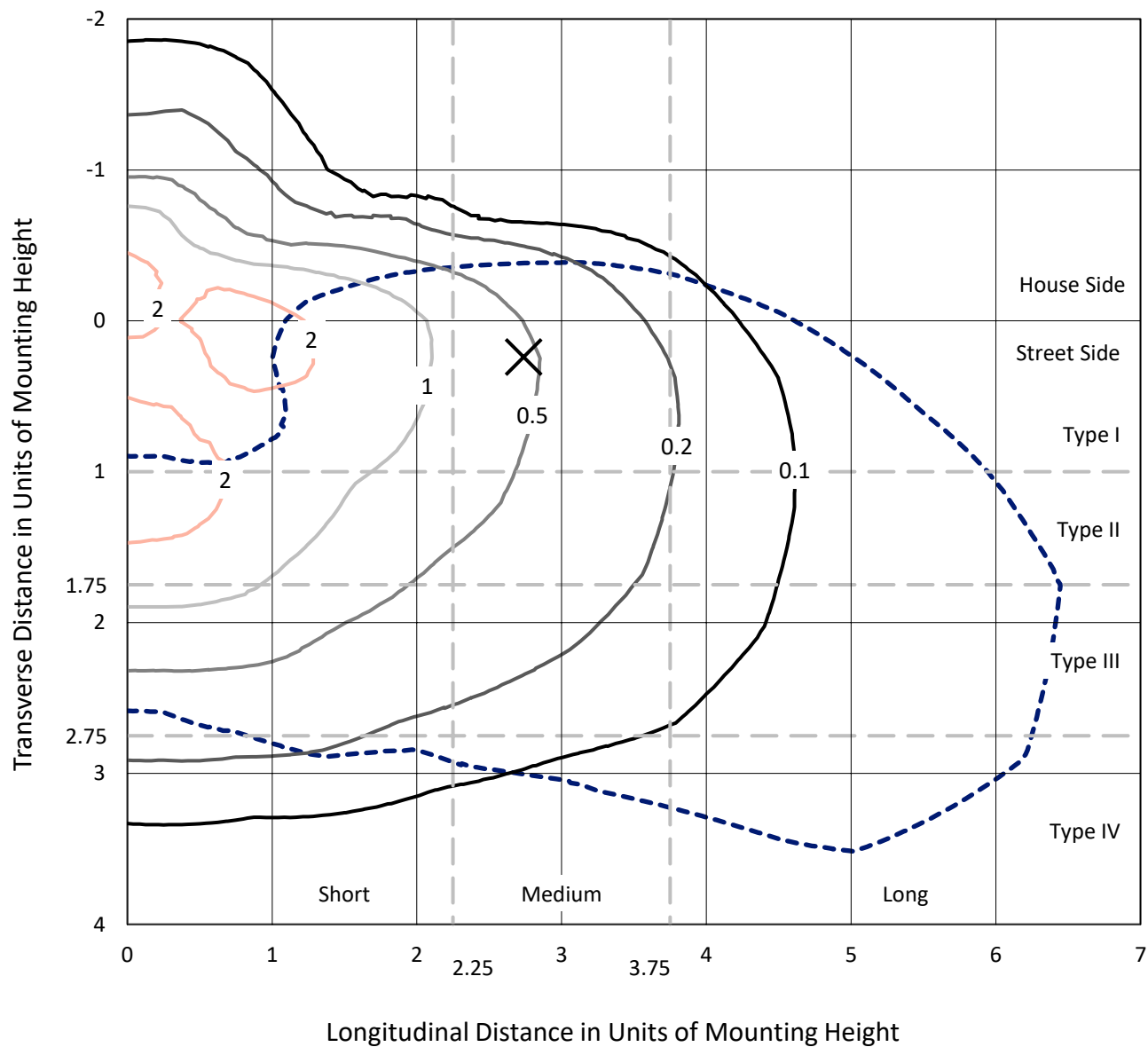
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



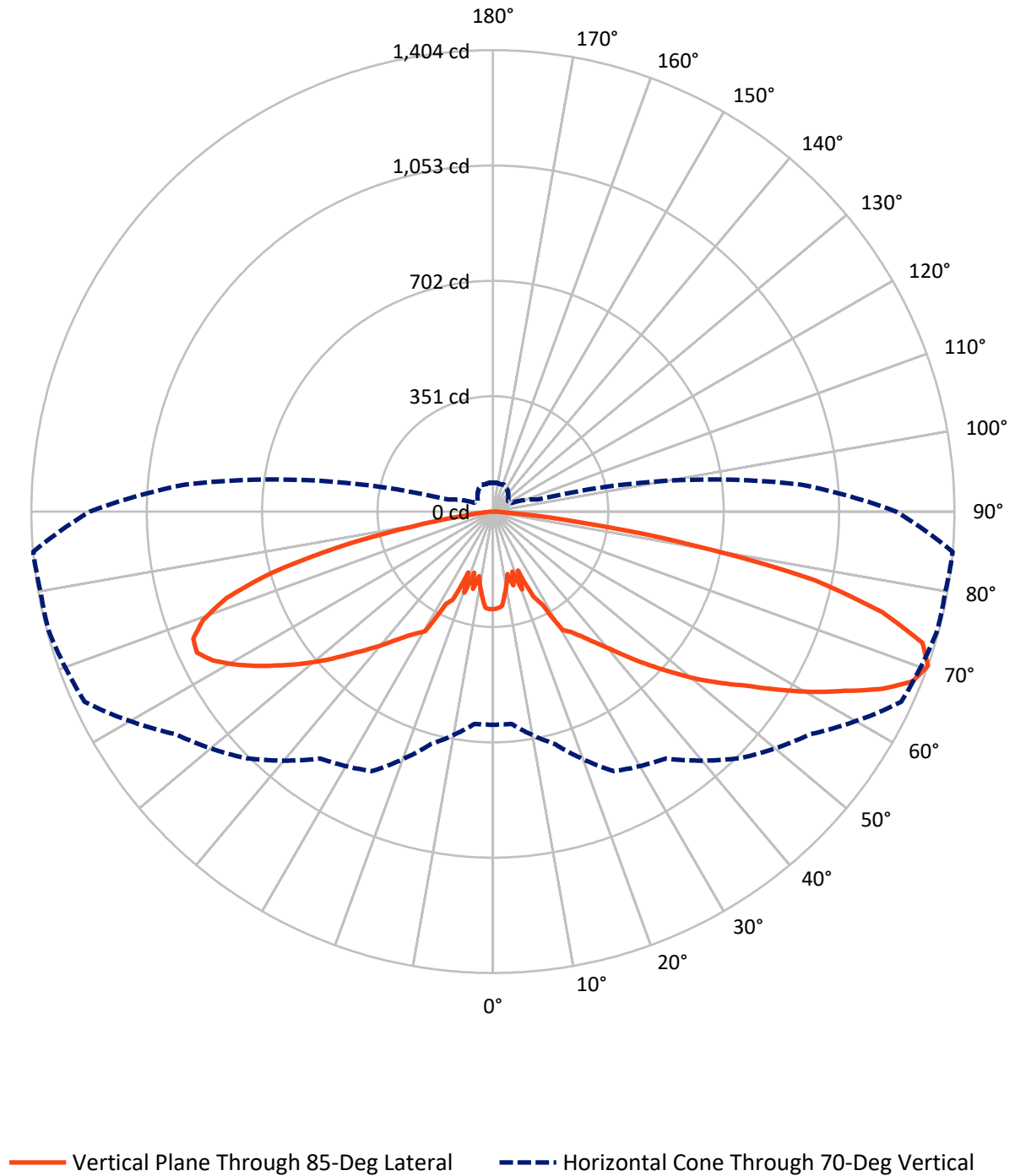
Based on 10 foot mounting height. Maximum calculated value = 3 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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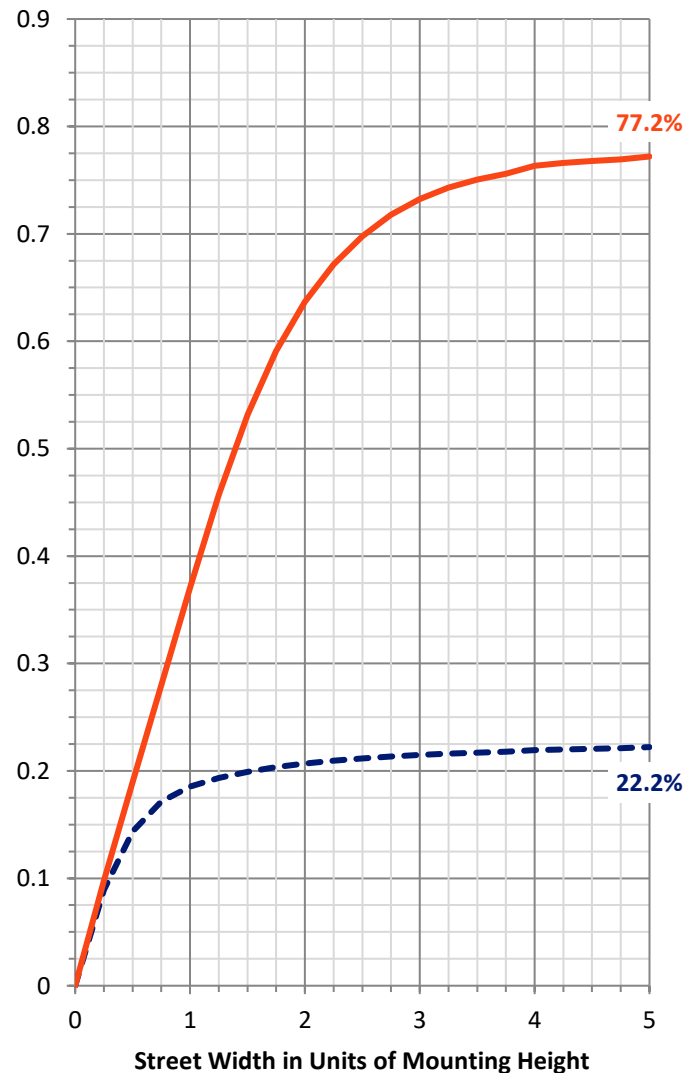
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	565.2	0.0	565.2
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	1934.7	0.0	1934.7
	% Fixture	77.4	0.0	77.4
Total	Lumens	2499.9	0.0	2499.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	1.0
10°-20°	60.4	2.4
20°-30°	110.3	4.4
30°-40°	208.3	8.3
40°-50°	339.4	13.6
50°-60°	523.6	20.9
60°-70°	641.7	25.7
70°-80°	502.6	20.1
80°-90°	89.5	3.6
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°	2499.9	100.0
0°-180°	2499.9	100.0



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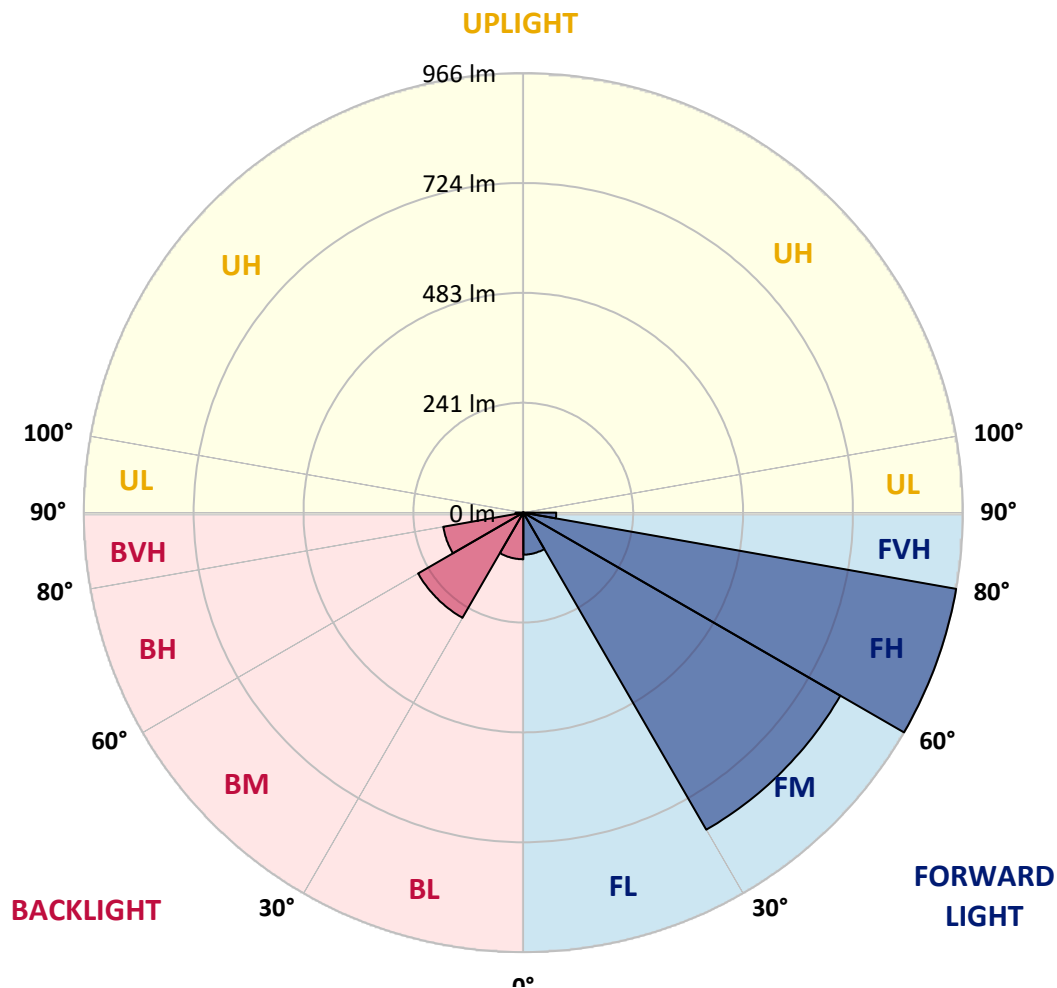
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	92.3	3.7			
FM	(30°-60°)	804.3	32.2			
FH	(60°-80°)	965.6	38.6			G1/1800
FVH	(80°-90°)	72.5	2.9			G1/100
BL	(0°-30°)	102.5	4.1	B0/110		
BM	(30°-60°)	267.0	10.7	B1/1000		
BH	(60°-80°)	178.7	7.1	B1/500		G1/500
BVH	(80°-90°)	17.0	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	244.9	266.8	266.8	266.8	271.4	275.0	276.9	277.8	281.4	284.2	286.0
5°	228.4	229.3	229.3	229.3	230.3	231.2	232.1	233.0	234.8	235.7	238.5
7.5°	191.9	195.5	202.8	209.2	213.8	218.4	222.0	224.8	226.6	228.4	229.3
10°	213.8	213.8	213.8	213.8	213.8	213.8	202.8	191.9	192.8	192.8	187.3
12.5°	179.1	184.6	192.8	200.1	206.5	212.0	204.7	197.4	183.7	169.9	169.9
15°	207.4	207.4	206.5	205.6	193.7	181.8	170.9	159.9	167.2	174.5	161.7
17.5°	178.2	179.1	190.0	200.1	198.3	195.5	185.5	174.5	157.2	138.9	157.2
20°	228.4	225.7	220.2	214.7	189.1	163.6	168.1	172.7	177.3	180.9	180.9
22.5°	210.2	212.0	215.6	219.3	216.5	212.9	186.4	159.9	175.4	191.0	177.3
25°	287.8	287.8	276.9	265.9	238.5	210.2	214.7	218.4	191.9	164.5	187.3
27.5°	265.9	264.1	259.5	254.0	259.5	264.1	240.3	215.6	222.9	230.3	211.1
30°	353.6	353.6	349.0	344.5	305.2	265.0	262.2	258.6	243.0	226.6	237.6
32.5°	424.0	423.0	402.0	381.0	359.1	336.2	312.5	287.8	286.0	284.2	282.3
35°	508.0	508.0	496.1	484.3	435.8	386.5	358.2	329.8	321.6	313.4	319.8
37.5°	555.5	561.9	557.4	551.9	498.9	445.0	405.7	365.5	357.3	349.0	351.8
40°	621.3	619.5	618.6	616.7	555.5	494.3	452.3	409.3	403.9	398.4	398.4
42.5°	720.9	710.9	699.9	688.0	625.9	563.8	517.2	469.6	459.6	448.6	449.5
45°	858.0	847.0	821.4	794.9	731.9	668.8	606.7	544.6	527.2	508.9	507.1
47.5°	942.0	930.1	917.4	903.6	836.0	768.4	704.5	639.6	614.0	588.4	578.4
50°	1028.8	1017.9	1007.8	997.8	938.4	879.0	815.0	751.1	710.9	670.7	653.3
52.5°	1111.1	1091.0	1080.9	1070.9	1020.6	969.4	902.7	836.0	805.9	775.7	738.3
55°	1151.3	1126.6	1122.9	1118.4	1080.9	1042.5	978.6	914.6	880.8	846.1	808.6
57.5°	1094.6	1096.4	1116.5	1136.6	1115.6	1094.6	1034.3	974.0	940.2	906.4	878.1
60°	1043.4	1057.2	1081.8	1106.5	1108.3	1109.2	1077.3	1045.3	1007.8	970.3	948.4
62.5°	973.1	983.1	1021.5	1059.0	1087.3	1114.7	1081.8	1048.9	1036.1	1022.4	1008.7
65°	878.1	880.8	924.7	967.6	1018.8	1069.0	1043.4	1017.9	1039.8	1060.8	1062.6
67.5°	762.0	770.2	813.2	856.1	918.3	979.5	978.6	977.7	1024.3	1069.9	1101.9
70°	648.7	648.7	690.8	732.8	802.2	871.7	894.5	917.4	989.5	1061.7	1121.1
72.5°	488.8	511.7	533.6	555.5	633.2	709.9	760.2	810.5	918.3	1025.2	1115.6
75°	269.5	271.4	290.6	309.7	387.4	465.1	540.9	616.7	761.1	905.5	1048.0
77.5°	88.6	85.9	96.9	106.9	152.6	197.4	261.3	325.3	484.3	643.2	872.6
80°	49.3	50.3	53.9	57.6	72.2	85.9	117.0	148.0	215.6	282.3	554.6
82.5°	32.9	33.8	37.5	41.1	47.5	53.9	71.3	87.7	94.1	99.6	250.4
85°	21.0	21.9	23.8	25.6	27.4	28.3	40.2	52.1	47.5	42.9	74.9
87.5°	4.6	4.6	5.5	5.5	6.4	7.3	9.1	11.0	10.1	8.2	11.0
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°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	286.9	288.7	289.6	290.6	291.5	293.3	294.2	295.1	297.0	297.9	297.9
5°	241.2	257.7	273.2	278.7	284.2	286.9	288.7	291.5	293.3	295.1	297.0
7.5°	230.3	231.2	232.1	238.5	244.9	250.4	255.8	257.7	262.2	259.5	255.8
10°	180.9	181.8	181.8	188.2	194.6	213.8	226.6	229.3	232.1	221.1	209.2
12.5°	169.0	173.6	178.2	175.4	172.7	186.4	195.5	199.2	201.0	193.7	186.4
15°	148.0	152.6	156.2	177.3	198.3	216.5	233.0	237.6	243.0	231.2	218.4
17.5°	175.4	173.6	170.9	174.5	178.2	182.7	191.9	194.6	194.6	198.3	201.9
20°	180.9	160.8	140.7	178.2	215.6	232.1	253.1	260.4	262.2	252.2	242.1
22.5°	162.6	185.5	208.3	203.8	199.2	194.6	194.6	197.4	200.1	201.9	203.8
25°	209.2	190.0	170.9	214.7	258.6	275.9	286.0	290.6	294.2	281.4	267.7
27.5°	191.9	217.5	242.1	261.3	280.5	299.7	320.7	340.8	316.1	304.3	292.4
30°	247.6	268.6	289.6	335.3	381.0	405.7	418.5	418.5	418.5	401.1	382.8
32.5°	280.5	317.1	353.6	378.3	402.0	426.7	436.7	436.7	436.7	415.7	393.8
35°	325.3	354.5	383.8	412.1	440.4	459.6	466.9	464.2	458.7	430.4	402.0
37.5°	354.5	393.8	433.1	462.3	490.7	502.5	505.3	497.1	488.8	451.4	413.0
40°	398.4	441.3	483.3	514.4	545.5	555.5	550.0	539.1	524.5	474.2	424.0
42.5°	449.5	492.5	535.4	572.0	607.6	614.0	605.8	588.4	562.8	494.3	424.9
45°	505.3	548.2	590.3	631.4	672.5	677.1	666.1	640.5	603.0	513.5	424.0
47.5°	567.4	601.2	635.0	693.5	752.0	746.5	730.0	700.8	651.5	536.3	420.3
50°	635.9	662.4	688.0	761.1	834.2	817.8	799.5	767.5	702.6	562.8	422.1
52.5°	699.9	725.5	751.1	826.9	901.8	886.3	866.2	837.9	754.7	591.2	426.7
55°	771.2	798.6	826.0	906.4	986.8	960.3	934.7	916.4	805.9	614.9	424.0
57.5°	848.8	883.5	918.3	992.3	1065.4	1037.0	1022.4	998.7	862.5	643.2	424.0
60°	926.5	968.5	1010.6	1075.4	1140.3	1117.5	1114.7	1081.8	915.5	664.3	412.1
62.5°	995.0	1058.1	1121.1	1172.3	1222.5	1200.6	1201.5	1163.1	964.9	668.8	371.9
65°	1064.5	1145.8	1226.2	1263.6	1301.1	1285.6	1301.1	1232.6	997.8	650.6	303.3
67.5°	1133.0	1222.5	1312.1	1340.4	1368.7	1359.6	1377.9	1255.4	990.5	603.0	214.7
70°	1180.5	1275.5	1370.6	1385.2	1399.8	1398.0	1404.4	1227.1	941.1	541.8	141.6
72.5°	1206.1	1295.6	1384.3	1390.7	1396.1	1393.4	1366.9	1138.5	852.5	475.1	97.8
75°	1189.6	1276.4	1363.2	1350.4	1337.7	1312.1	1223.4	980.4	699.0	385.6	72.2
77.5°	1101.9	1196.0	1290.1	1257.3	1223.4	1148.5	999.6	734.6	486.1	271.4	55.7
80°	826.9	942.9	1059.0	1019.7	979.5	821.4	608.5	411.2	251.3	147.1	42.9
82.5°	400.2	465.1	529.9	519.9	509.8	377.4	263.1	148.0	72.2	53.0	33.8
85°	106.0	157.2	208.3	199.2	190.0	100.5	43.9	38.4	28.3	26.5	23.8
87.5°	12.8	14.6	15.5	11.0	5.5	4.6	4.6	2.7	2.7	3.7	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°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	299.7	300.6	300.6	300.6	300.6	300.6	293.3	286.0	284.2	282.3	278.7
5°	288.7	279.6	273.2	266.8	266.8	265.9	268.6	271.4	273.2	274.1	275.0
7.5°	256.7	257.7	263.1	267.7	272.3	275.9	278.7	280.5	278.7	275.9	265.0
10°	210.2	211.1	215.6	219.3	225.7	231.2	246.7	261.3	278.7	296.0	300.6
12.5°	200.1	212.9	205.6	198.3	218.4	237.6	257.7	276.9	290.6	303.3	294.2
15°	203.8	189.1	191.9	194.6	219.3	244.0	229.3	213.8	250.4	286.9	295.1
17.5°	202.8	202.8	216.5	230.3	207.4	183.7	217.5	250.4	265.0	278.7	267.7
20°	216.5	190.0	200.1	209.2	227.5	244.9	230.3	215.6	221.1	226.6	262.2
22.5°	225.7	246.7	223.9	200.1	216.5	233.0	230.3	227.5	244.0	260.4	251.3
25°	235.7	202.8	219.3	234.8	216.5	197.4	212.0	225.7	221.1	216.5	244.9
27.5°	270.5	247.6	226.6	205.6	216.5	226.6	215.6	203.8	208.3	212.9	211.1
30°	327.1	270.5	244.0	217.5	203.8	189.1	190.0	191.0	196.4	201.9	217.5
32.5°	341.7	289.6	251.3	212.9	203.8	194.6	186.4	177.3	185.5	193.7	212.0
35°	345.4	287.8	246.7	205.6	191.0	176.3	170.9	165.4	179.1	192.8	209.2
37.5°	343.6	273.2	229.3	185.5	174.5	163.6	160.8	157.2	166.3	174.5	186.4
40°	339.0	254.0	210.2	166.3	157.2	148.0	146.2	144.4	150.8	157.2	164.5
42.5°	330.8	235.7	191.9	148.0	141.6	135.2	133.4	130.7	136.1	141.6	144.4
45°	320.7	217.5	176.3	134.3	129.7	124.3	121.5	117.9	123.3	127.9	128.8
47.5°	310.7	200.1	162.6	124.3	120.6	116.0	113.3	109.6	114.2	117.9	118.8
50°	302.4	181.8	148.0	114.2	110.6	106.9	104.2	101.4	106.0	109.6	109.6
52.5°	297.9	168.1	135.2	102.3	100.5	98.7	97.8	95.9	99.6	103.2	104.2
55°	286.9	148.9	120.6	91.4	92.3	92.3	91.4	89.5	96.9	103.2	106.0
57.5°	275.0	126.1	105.1	83.1	85.0	86.8	87.7	88.6	96.9	104.2	107.8
60°	259.5	106.9	91.4	75.8	78.6	80.4	85.0	88.6	95.9	103.2	105.1
62.5°	232.1	91.4	80.4	69.4	73.1	76.8	82.2	87.7	93.2	98.7	98.7
65°	191.9	79.5	72.2	64.0	69.4	74.0	80.4	86.8	91.4	95.0	94.1
67.5°	143.5	71.3	65.8	59.4	65.8	71.3	76.8	82.2	87.7	93.2	91.4
70°	103.2	64.0	60.3	55.7	61.2	66.7	72.2	77.7	83.1	88.6	87.7
72.5°	78.6	58.5	54.8	51.2	56.6	61.2	67.6	74.0	79.5	85.0	83.1
75°	63.0	53.0	50.3	46.6	52.1	57.6	64.0	69.4	74.9	80.4	78.6
77.5°	52.1	47.5	44.8	42.0	46.6	51.2	57.6	64.0	69.4	74.0	72.2
80°	42.0	40.2	38.4	35.6	41.1	45.7	52.1	57.6	62.1	66.7	64.0
82.5°	32.9	32.0	31.1	29.2	33.8	38.4	44.8	51.2	54.8	58.5	56.6
85°	24.7	24.7	23.8	22.8	26.5	29.2	32.9	35.6	39.3	42.0	40.2
87.5°	3.7	3.7	5.5	6.4	6.4	6.4	9.1	11.9	11.9	11.0	9.1
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°	297.0	297.0	297.0	297.0
2.5°	275.0	275.0	275.0	275.9
5°	275.9	276.9	276.9	278.7
7.5°	253.1	252.2	251.3	251.3
10°	304.3	306.1	307.0	308.8
12.5°	284.2	273.2	262.2	262.2
15°	303.3	305.2	306.1	307.9
17.5°	256.7	255.8	254.9	253.1
20°	297.0	298.8	299.7	299.7
22.5°	242.1	242.1	241.2	241.2
25°	273.2	273.2	273.2	275.0
27.5°	208.3	214.7	221.1	229.3
30°	233.0	233.9	234.8	234.8
32.5°	230.3	242.1	254.0	255.8
35°	225.7	225.7	224.8	225.7
37.5°	198.3	195.5	191.9	193.7
40°	170.9	164.5	158.1	157.2
42.5°	147.1	141.6	135.2	135.2
45°	129.7	126.1	121.5	119.7
47.5°	118.8	115.1	111.5	110.6
50°	108.7	105.1	101.4	101.4
52.5°	105.1	102.3	98.7	97.8
55°	108.7	103.2	97.8	95.9
57.5°	110.6	104.2	97.8	95.0
60°	106.0	102.3	97.8	94.1
62.5°	97.8	95.9	94.1	92.3
65°	92.3	92.3	91.4	89.5
67.5°	89.5	90.5	90.5	88.6
70°	85.9	87.7	88.6	86.8
72.5°	81.3	82.2	82.2	79.5
75°	75.8	74.9	74.0	72.2
77.5°	69.4	68.5	66.7	64.9
80°	61.2	60.3	59.4	56.6
82.5°	53.9	55.7	56.6	46.6
85°	37.5	33.8	30.2	24.7
87.5°	7.3	5.5	2.7	2.7
90°	0.0	0.0	0.0	0.0



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