

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: P560082

Luminaire Tested: **SDL-PA1-20-760-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-760-U-T3-HSS
Description: Springdale
(1) 70 CRI, 5700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2043 lumens
Efficiency: N/A
Efficacy: 97.3 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: B0 - 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



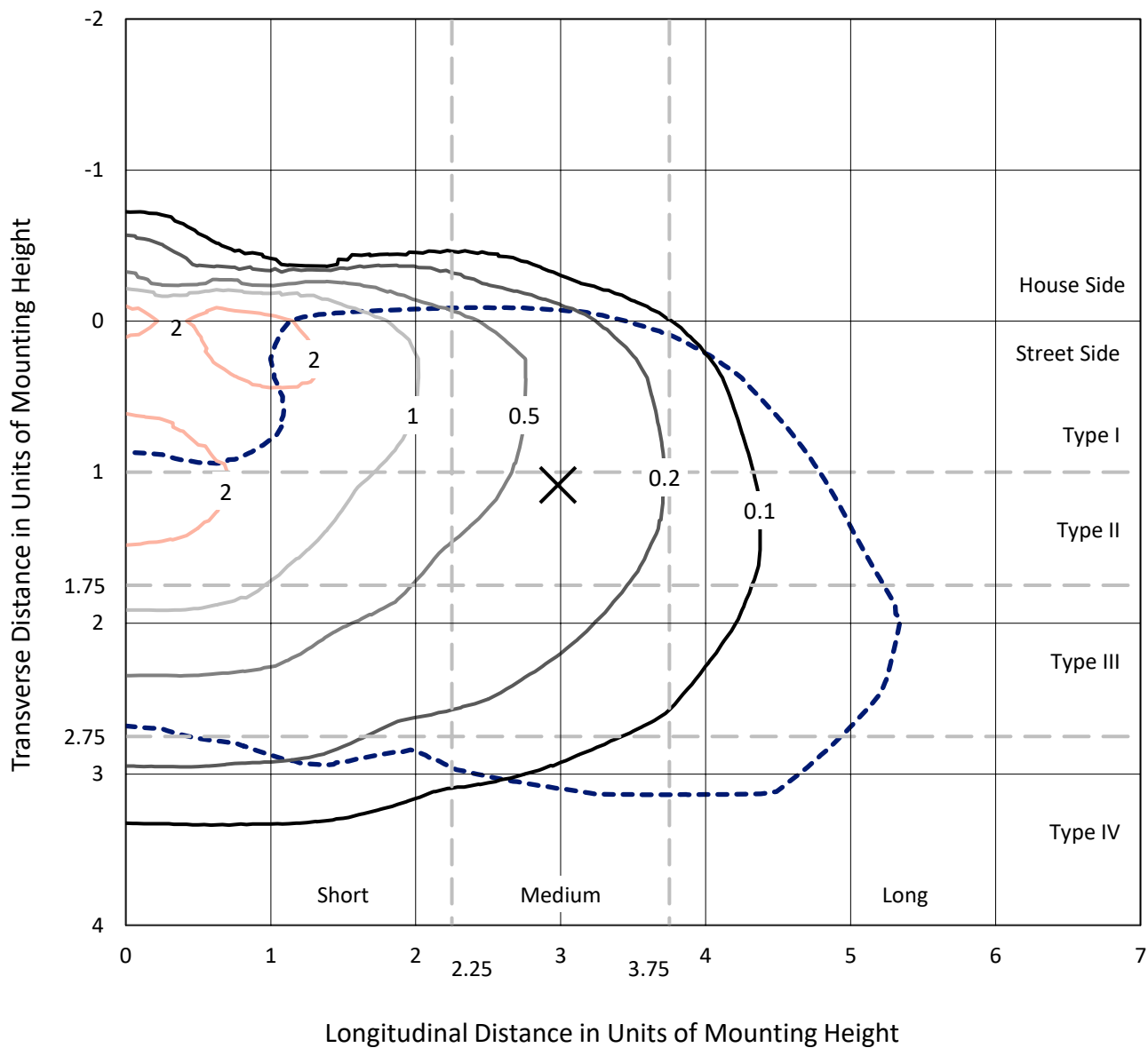
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



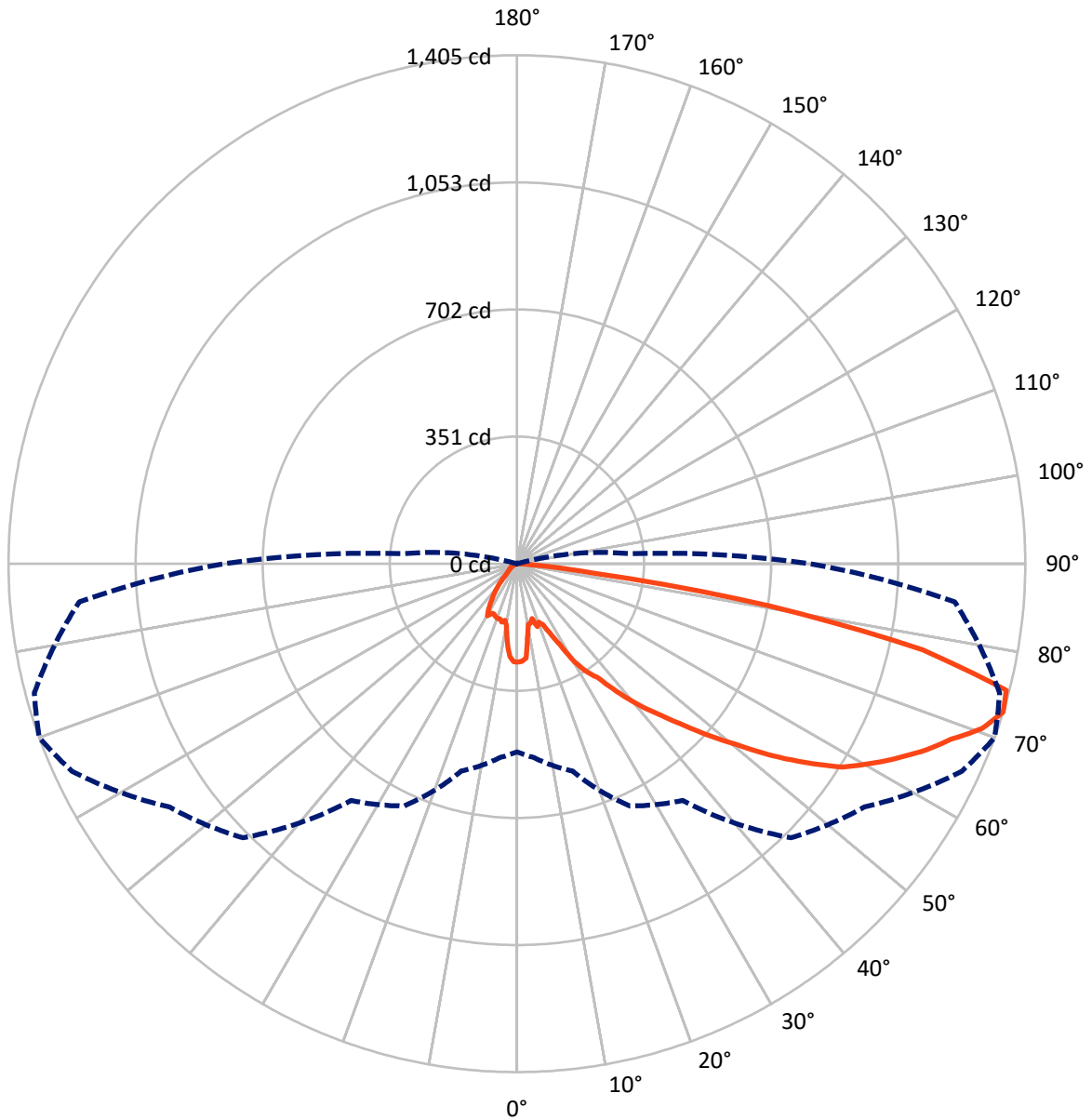
Based on 10 foot mounting height. Maximum calculated value = 3.2 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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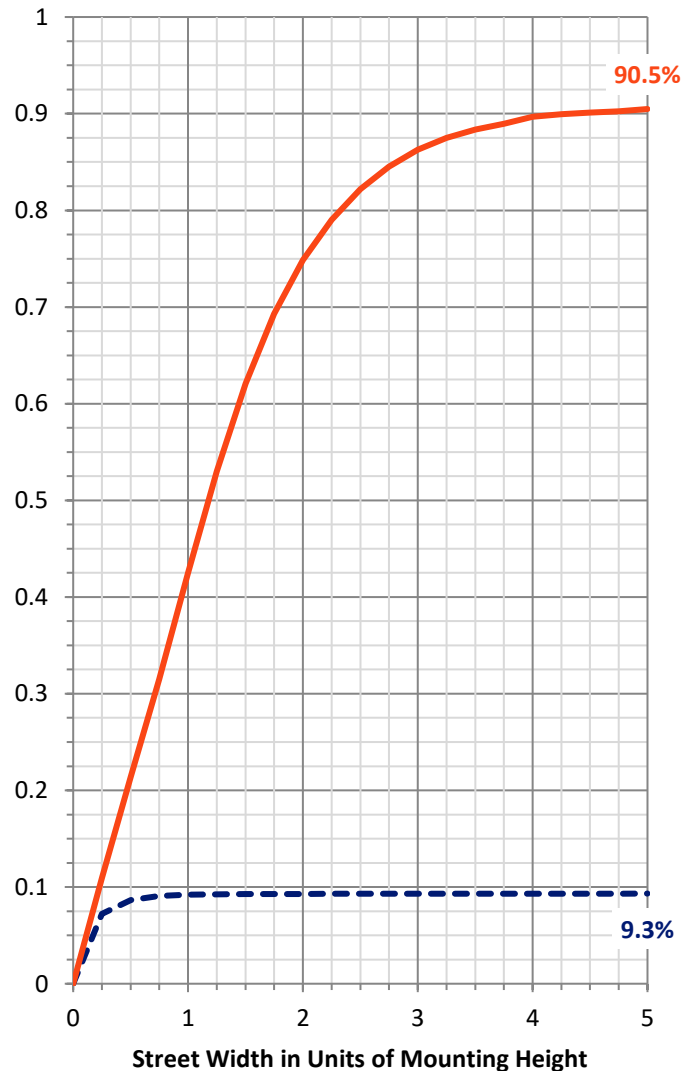
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	192.6	0.0	192.6
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	1850.4	0.0	1850.4
	% Fixture	90.6	0.0	90.6
Total	Lumens	2043.0	0.0	2043.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	1.0
10°-20°	41.8	2.0
20°-30°	68.2	3.3
30°-40°	145.4	7.1
40°-50°	280.2	13.7
50°-60°	463.5	22.7
60°-70°	567.3	27.8
70°-80°	415.6	20.3
80°-90°	39.9	2.0
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°	2043.0	100.0
0°-180°	2043.0	100.0



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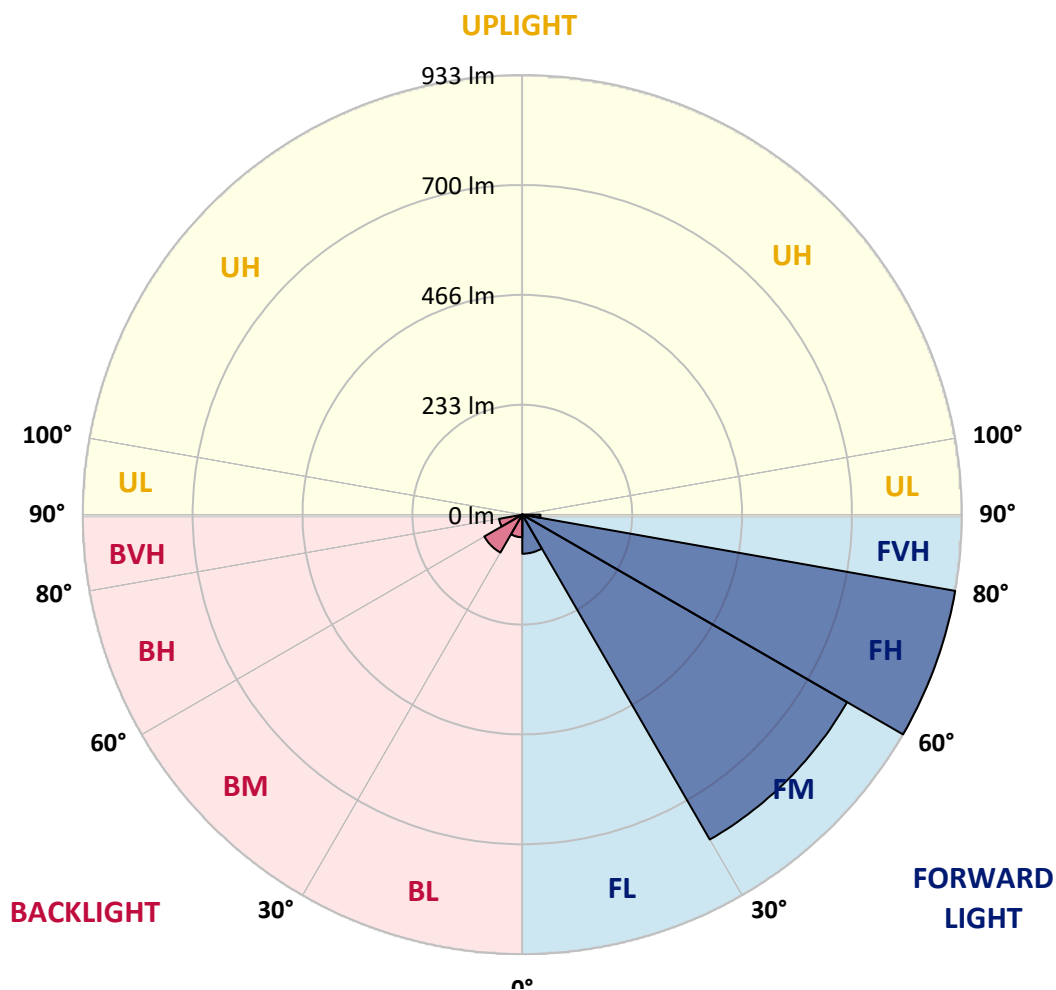
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.9	4.1			
FM	(30°-60°)	796.1	39.0			
FH	(60°-80°)	932.8	45.7			G1/1800
FVH	(80°-90°)	38.5	1.9			G1/100
BL	(0°-30°)	48.0	2.3	B0/110		
BM	(30°-60°)	93.1	4.6	B0/220		
BH	(60°-80°)	50.2	2.5	B0/110		G0/110
BVH	(80°-90°)	1.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9
2.5°	241.8	248.8	252.8	256.8	255.8	254.8	256.8	258.8	262.8	265.9	267.9
5°	217.7	217.7	217.7	217.7	218.7	218.7	218.7	218.7	219.7	220.7	221.7
7.5°	188.6	192.6	194.6	196.6	201.7	205.7	209.7	213.7	215.7	216.7	217.7
10°	204.7	204.7	204.7	204.7	205.7	205.7	192.6	178.6	179.6	180.6	174.6
12.5°	169.5	168.5	179.6	189.6	196.6	202.7	195.6	187.6	175.6	162.5	160.5
15°	199.6	199.6	199.6	199.6	185.6	171.6	161.5	151.5	159.5	166.5	150.5
17.5°	157.5	161.5	173.6	185.6	185.6	185.6	176.6	167.5	150.5	132.4	151.5
20°	195.6	195.6	195.6	194.6	171.6	148.5	156.5	163.5	170.6	177.6	174.6
22.5°	162.5	160.5	163.5	166.5	173.6	179.6	159.5	138.4	161.5	183.6	172.6
25°	205.7	205.7	206.7	206.7	184.6	162.5	175.6	187.6	170.6	153.5	180.6
27.5°	185.6	179.6	178.6	176.6	183.6	189.6	180.6	171.6	190.6	209.7	200.6
30°	257.8	257.8	250.8	243.8	216.7	188.6	191.6	193.6	193.6	193.6	213.7
32.5°	358.2	359.2	332.1	304.0	279.9	254.8	232.8	209.7	221.7	233.8	246.8
35°	482.6	485.6	466.5	446.4	387.3	328.1	290.9	253.8	252.8	250.8	269.9
37.5°	571.8	577.9	562.8	547.8	477.5	407.3	354.1	301.0	296.0	289.9	297.0
40°	656.1	652.1	643.1	633.0	558.8	483.6	425.4	366.2	353.1	339.1	340.1
42.5°	765.5	753.4	730.4	707.3	636.1	564.8	502.6	440.4	419.4	398.3	394.3
45°	906.9	886.9	853.8	819.6	749.4	679.2	602.9	525.7	499.6	472.5	466.5
47.5°	979.2	965.1	944.0	922.0	849.7	777.5	704.3	630.0	593.9	556.8	546.8
50°	1064.4	1046.4	1032.3	1017.3	955.1	891.9	823.7	754.4	706.3	658.1	641.1
52.5°	1145.7	1115.6	1102.6	1088.5	1039.4	989.2	918.0	846.7	815.6	783.5	742.4
55°	1174.8	1145.7	1139.7	1133.7	1098.5	1063.4	998.2	933.0	896.9	859.8	826.7
57.5°	1111.6	1115.6	1133.7	1151.7	1131.7	1111.6	1058.4	1004.2	964.1	924.0	904.9
60°	1068.4	1077.5	1104.6	1131.7	1131.7	1131.7	1102.6	1073.5	1035.3	997.2	984.2
62.5°	999.2	1010.3	1051.4	1092.5	1118.6	1144.7	1113.6	1082.5	1069.5	1055.4	1043.4
65°	907.9	910.9	957.1	1003.2	1057.4	1110.6	1081.5	1051.4	1076.5	1101.6	1089.5
67.5°	802.6	807.6	850.7	892.9	957.1	1021.3	1013.3	1004.2	1059.4	1114.6	1113.6
70°	677.2	686.2	723.3	759.5	831.7	902.9	910.9	919.0	1014.3	1108.6	1126.6
72.5°	519.7	537.7	565.8	592.9	666.2	738.4	768.5	798.6	935.0	1070.5	1121.6
75°	172.6	184.6	262.8	340.1	414.3	488.6	554.8	620.0	790.6	960.1	1066.4
77.5°	50.2	52.2	67.2	81.3	139.5	196.6	264.9	332.1	498.6	664.1	840.7
80°	26.1	27.1	30.1	33.1	48.2	63.2	91.3	118.4	194.6	270.9	456.5
82.5°	18.1	18.1	21.1	23.1	29.1	35.1	50.2	65.2	71.2	77.2	183.6
85°	6.0	6.0	8.0	10.0	14.0	18.1	27.1	35.1	35.1	34.1	49.2
87.5°	1.0	1.0	2.0	3.0	5.0	6.0	5.0	4.0	3.0	2.0	4.0
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°	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9
2.5°	268.9	269.9	269.9	269.9	270.9	270.9	270.9	270.9	269.9	270.9	270.9
5°	221.7	239.8	256.8	261.8	264.9	265.9	265.9	265.9	264.9	264.9	264.9
7.5°	218.7	217.7	216.7	208.7	227.7	231.7	234.8	233.8	233.8	228.7	222.7
10°	168.5	168.5	168.5	170.6	181.6	194.6	207.7	207.7	207.7	192.6	177.6
12.5°	157.5	163.5	168.5	168.5	150.5	165.5	180.6	180.6	180.6	165.5	149.5
15°	134.4	141.5	147.5	157.5	187.6	205.7	223.7	223.7	222.7	205.7	187.6
17.5°	169.5	167.5	164.5	182.6	171.6	174.6	177.6	168.5	181.6	176.6	171.6
20°	171.6	153.5	134.4	172.6	211.7	228.7	245.8	246.8	243.8	224.7	204.7
22.5°	161.5	184.6	206.7	182.6	188.6	184.6	179.6	177.6	177.6	176.6	175.6
25°	206.7	184.6	162.5	213.7	249.8	261.8	273.9	270.9	266.9	239.8	212.7
27.5°	190.6	212.7	233.8	253.8	271.9	282.9	293.9	325.0	282.9	251.8	219.7
30°	232.8	259.8	285.9	315.0	370.2	386.2	402.3	394.3	384.2	324.0	263.9
32.5°	258.8	302.0	344.1	357.2	390.3	405.3	419.4	412.3	400.3	321.0	241.8
35°	287.9	328.1	367.2	388.3	428.4	440.4	451.5	440.4	427.4	318.0	208.7
37.5°	304.0	358.2	411.3	447.4	481.6	484.6	486.6	476.5	459.5	318.0	176.6
40°	341.1	399.3	456.5	508.6	535.7	536.7	537.7	521.7	490.6	315.0	138.4
42.5°	390.3	449.5	507.6	564.8	600.9	597.9	593.9	571.8	520.7	310.0	99.3
45°	460.5	512.7	564.8	629.0	673.2	665.1	656.1	623.0	541.7	305.0	67.2
47.5°	535.7	576.9	617.0	705.3	761.5	744.4	726.3	678.2	556.8	303.0	48.2
50°	623.0	656.1	689.2	785.5	852.8	820.6	788.5	733.4	562.8	301.0	38.1
52.5°	700.3	734.4	767.5	879.8	931.0	894.9	858.8	776.5	559.8	297.0	33.1
55°	792.6	822.7	852.8	970.1	1011.3	963.1	914.0	807.6	544.8	287.9	30.1
57.5°	884.9	916.0	946.1	1060.4	1072.5	1025.3	977.2	837.7	529.7	278.9	27.1
60°	971.1	1006.2	1041.4	1121.6	1130.7	1088.5	1046.4	866.8	505.6	264.9	24.1
62.5°	1031.3	1079.5	1127.6	1181.8	1185.8	1147.7	1108.6	888.9	474.5	248.8	22.1
65°	1076.5	1142.7	1207.9	1241.0	1239.0	1211.9	1184.8	907.9	449.5	233.8	18.1
67.5°	1111.6	1191.8	1272.1	1294.2	1299.2	1274.1	1249.0	910.9	418.4	216.7	14.0
70°	1144.7	1233.0	1321.3	1363.4	1353.4	1314.2	1275.1	887.9	376.2	193.6	10.0
72.5°	1171.8	1264.1	1356.4	1404.5	1380.5	1297.2	1213.9	809.6	315.0	161.5	7.0
75°	1171.8	1264.1	1355.4	1396.5	1314.2	1148.7	982.2	602.9	184.6	95.3	6.0
77.5°	1017.3	1084.5	1151.7	1145.7	1001.2	795.6	588.9	347.1	62.2	34.1	5.0
80°	642.1	686.2	730.4	708.3	511.7	367.2	221.7	116.4	22.1	13.0	4.0
82.5°	289.9	284.9	279.9	215.7	100.3	67.2	33.1	20.1	6.0	4.0	2.0
85°	64.2	62.2	60.2	44.1	30.1	20.1	10.0	6.0	3.0	3.0	2.0
87.5°	6.0	7.0	7.0	5.0	5.0	4.0	2.0	2.0	2.0	2.0	2.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9
2.5°	270.9	270.9	270.9	269.9	269.9	269.9	262.8	254.8	249.8	243.8	240.8
5°	255.8	246.8	235.8	224.7	222.7	219.7	220.7	220.7	221.7	221.7	221.7
7.5°	217.7	212.7	214.7	216.7	216.7	216.7	216.7	215.7	214.7	213.7	203.7
10°	173.6	169.5	169.5	169.5	172.6	174.6	169.5	163.5	172.6	180.6	178.6
12.5°	159.5	169.5	156.5	142.5	144.5	145.5	145.5	144.5	140.5	136.4	122.4
15°	166.5	145.5	133.4	120.4	120.4	120.4	97.3	74.2	69.2	64.2	65.2
17.5°	159.5	147.5	133.4	118.4	89.3	59.2	56.2	52.2	52.2	52.2	53.2
20°	160.5	116.4	98.3	80.3	64.2	47.2	44.1	40.1	38.1	35.1	41.1
22.5°	157.5	138.4	94.3	50.2	44.1	38.1	35.1	31.1	36.1	41.1	41.1
25°	152.5	91.3	68.2	44.1	37.1	30.1	34.1	37.1	35.1	32.1	37.1
27.5°	153.5	86.3	59.2	32.1	34.1	35.1	33.1	30.1	33.1	35.1	33.1
30°	165.5	67.2	50.2	32.1	31.1	29.1	30.1	31.1	30.1	28.1	30.1
32.5°	147.5	53.2	42.1	30.1	29.1	28.1	27.1	26.1	27.1	27.1	27.1
35°	124.4	40.1	34.1	28.1	26.1	24.1	24.1	23.1	23.1	23.1	23.1
37.5°	105.3	34.1	30.1	25.1	23.1	21.1	20.1	18.1	18.1	17.1	17.1
40°	85.3	31.1	27.1	22.1	20.1	17.1	16.1	14.0	14.0	13.0	13.0
42.5°	64.2	28.1	24.1	19.1	17.1	14.0	12.0	10.0	10.0	9.0	9.0
45°	46.1	25.1	21.1	16.1	14.0	11.0	9.0	7.0	7.0	6.0	6.0
47.5°	36.1	23.1	19.1	14.0	11.0	8.0	7.0	5.0	5.0	5.0	5.0
50°	29.1	20.1	16.1	11.0	8.0	5.0	4.0	3.0	3.0	3.0	3.0
52.5°	26.1	18.1	14.0	9.0	7.0	4.0	3.0	2.0	3.0	3.0	3.0
55°	23.1	16.1	12.0	7.0	5.0	3.0	3.0	2.0	3.0	3.0	3.0
57.5°	21.1	14.0	10.0	5.0	4.0	2.0	2.0	1.0	2.0	2.0	2.0
60°	18.1	12.0	8.0	4.0	3.0	1.0	1.0	1.0	2.0	2.0	2.0
62.5°	16.1	10.0	7.0	3.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
65°	13.0	7.0	5.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
67.5°	10.0	5.0	4.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	1.0
70°	7.0	4.0	3.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0
72.5°	5.0	3.0	2.0	1.0	1.0	0.0	1.0	1.0	2.0	2.0	2.0
75°	5.0	3.0	2.0	1.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0
77.5°	4.0	2.0	2.0	1.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0
80°	3.0	2.0	2.0	1.0	1.0	0.0	2.0	3.0	3.0	3.0	2.0
82.5°	2.0	2.0	2.0	1.0	1.0	0.0	2.0	3.0	3.0	3.0	2.0
85°	2.0	2.0	2.0	2.0	1.0	0.0	2.0	3.0	3.0	3.0	3.0
87.5°	2.0	2.0	2.0	2.0	2.0	1.0	3.0	4.0	4.0	3.0	3.0
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):

	165°	170°	175°	180°
0°	271.9	271.9	271.9	271.9
2.5°	236.8	236.8	235.8	238.8
5°	221.7	221.7	221.7	222.7
7.5°	192.6	185.6	178.6	179.6
10°	175.6	173.6	170.6	172.6
12.5°	108.3	102.3	95.3	92.3
15°	66.2	66.2	66.2	65.2
17.5°	54.2	50.2	45.1	46.1
20°	47.2	48.2	49.2	49.2
22.5°	41.1	39.1	37.1	37.1
25°	41.1	41.1	41.1	41.1
27.5°	31.1	31.1	30.1	30.1
30°	32.1	32.1	31.1	30.1
32.5°	26.1	26.1	26.1	26.1
35°	22.1	21.1	20.1	20.1
37.5°	17.1	16.1	15.0	15.0
40°	12.0	12.0	11.0	11.0
42.5°	9.0	9.0	8.0	8.0
45°	6.0	6.0	6.0	6.0
47.5°	4.0	4.0	4.0	4.0
50°	3.0	3.0	3.0	3.0
52.5°	3.0	3.0	2.0	2.0
55°	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0
60°	2.0	2.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0
65°	1.0	1.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	1.0	1.0	0.0	0.0
75°	1.0	1.0	0.0	0.0
77.5°	1.0	1.0	0.0	0.0
80°	1.0	1.0	0.0	0.0
82.5°	1.0	1.0	1.0	0.0
85°	2.0	2.0	1.0	0.0
87.5°	2.0	2.0	1.0	0.0
90°	0.0	0.0	0.0	0.0



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