

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: P560056

Luminaire Tested: **SDL-PA1-20-750-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560056
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-750-U-T2U-HSS
Description: Springdale
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1991 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
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



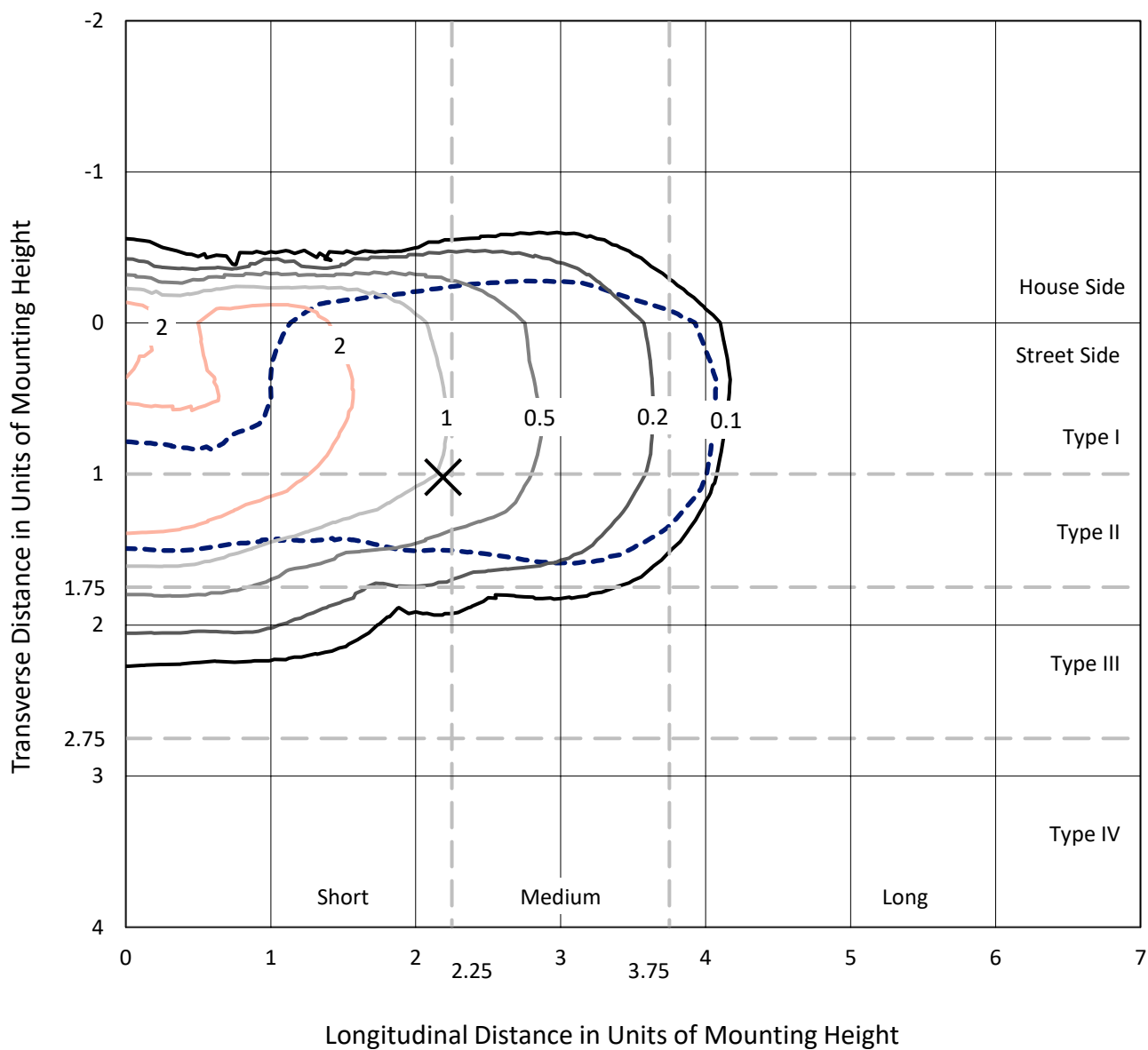
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



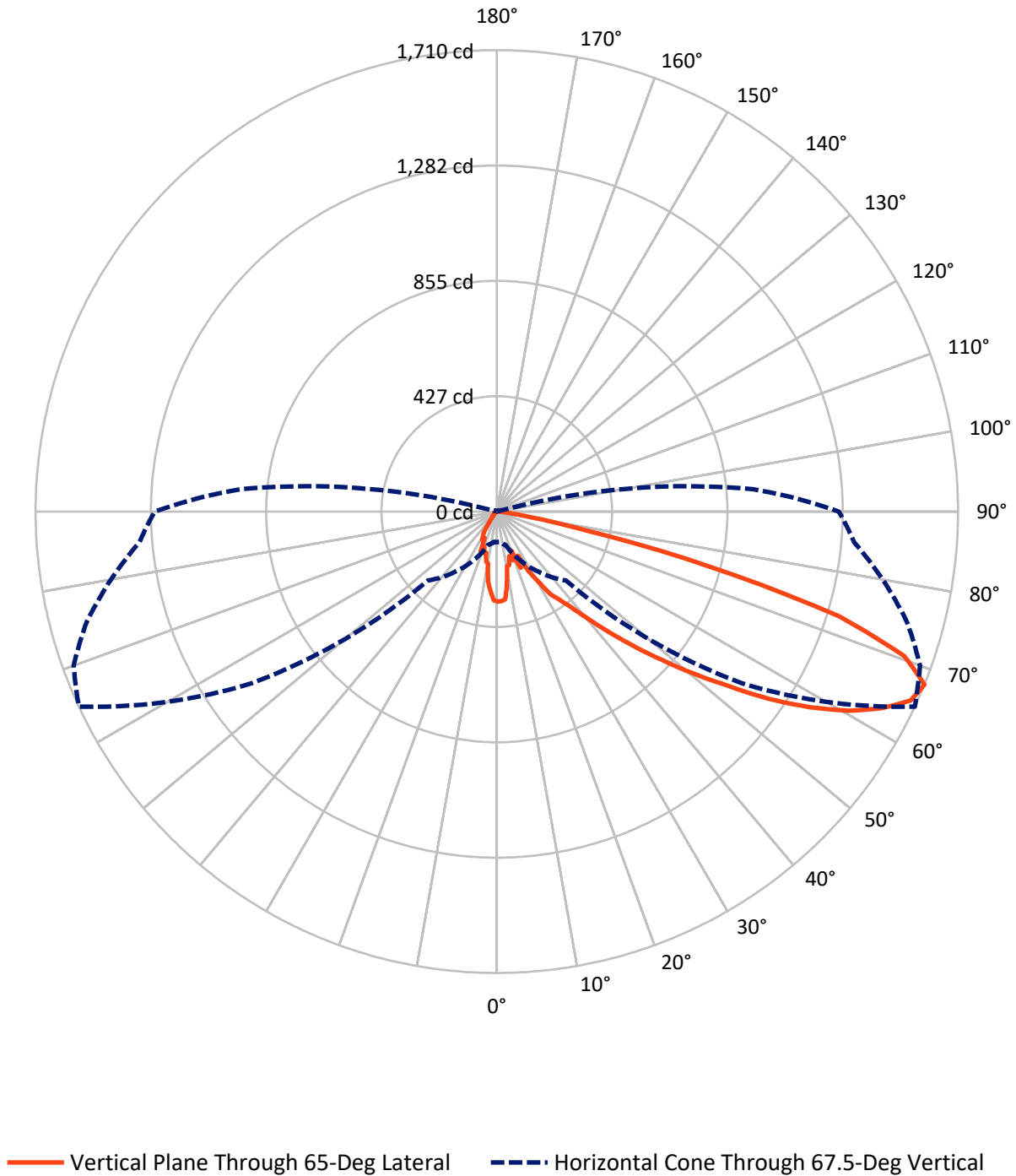
Based on 10 foot mounting height. Maximum calculated value = 4.4 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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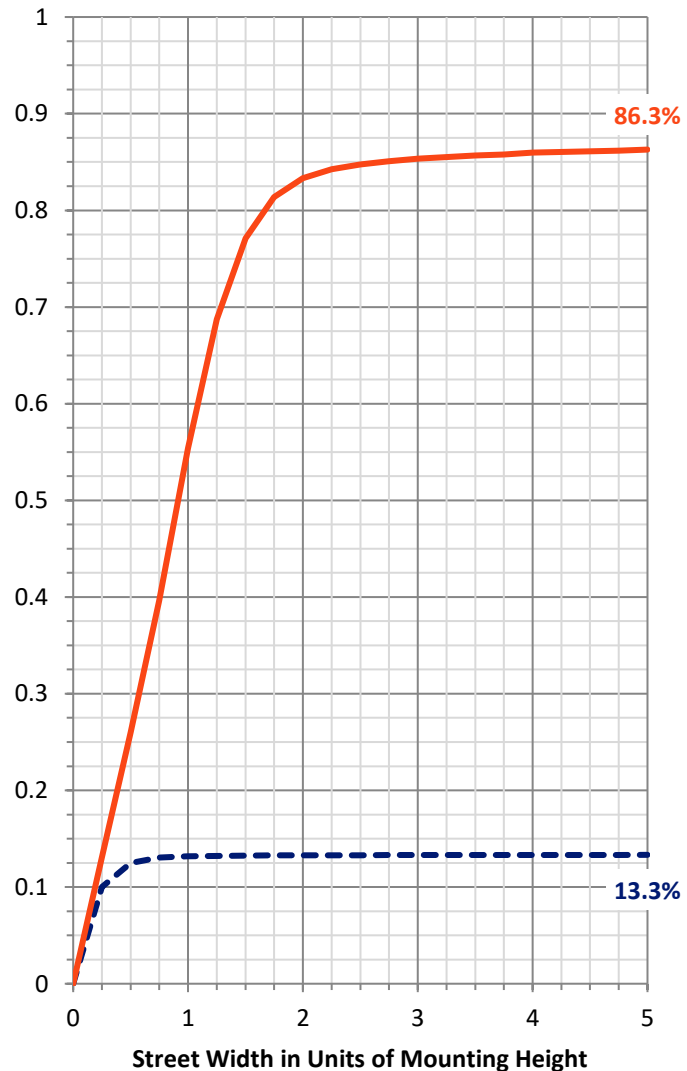
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	269.2	0.0	269.2
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	1721.8	0.0	1721.8
	% Fixture	86.5	0.0	86.5
Total	Lumens	1991.0	0.0	1991.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	1.3
10°-20°	49.5	2.5
20°-30°	74.7	3.8
30°-40°	172.1	8.6
40°-50°	377.6	19.0
50°-60°	554.3	27.8
60°-70°	481.5	24.2
70°-80°	238.7	12.0
80°-90°	16.9	0.9
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°	1991.0	100.0
0°-180°	1991.0	100.0



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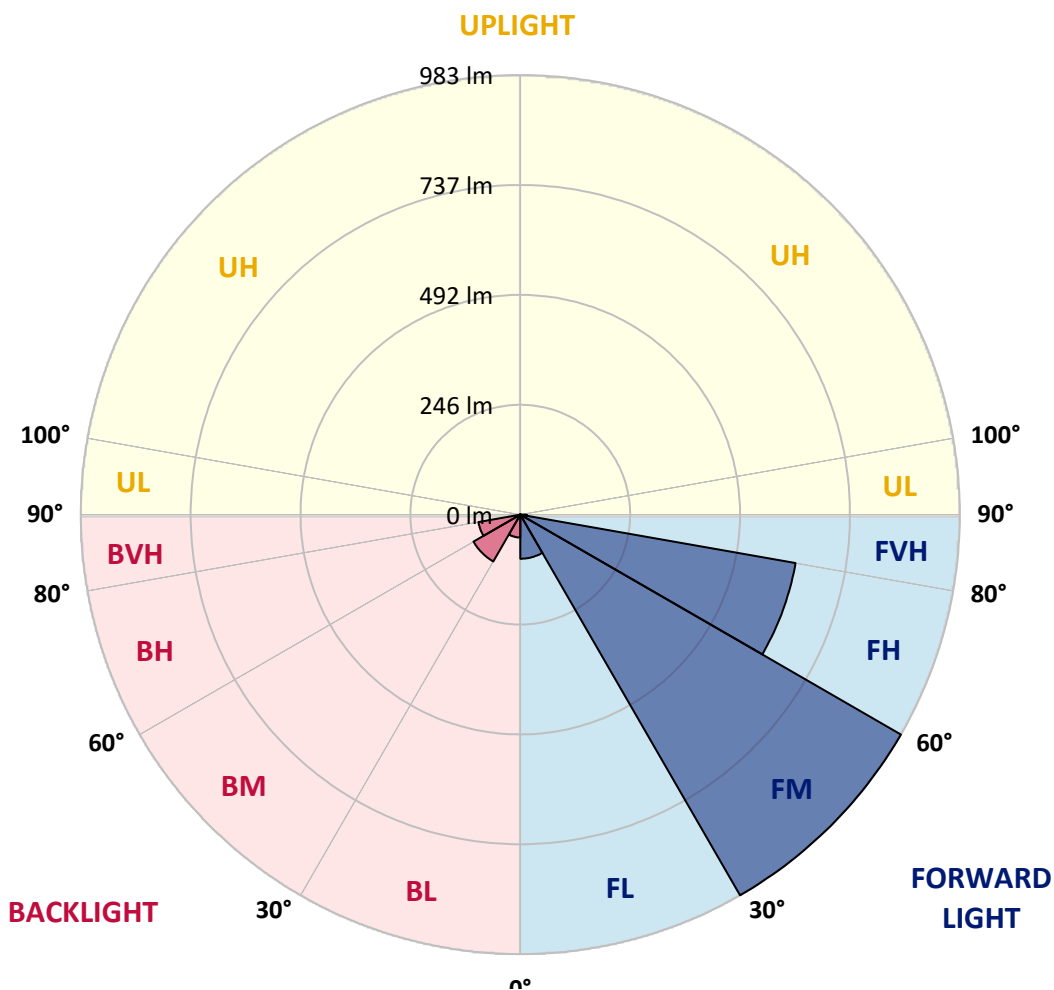
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	98.7	5.0			
FM	(30°-60°)	983.1	49.4			
FH	(60°-80°)	625.1	31.4			G0/660
FVH	(80°-90°)	14.9	0.7			G1/100
BL	(0°-30°)	51.1	2.6	B0/110		
BM	(30°-60°)	120.9	6.1	B0/220		
BH	(60°-80°)	95.1	4.8	B0/110		G0/110
BVH	(80°-90°)	2.0	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3
2.5°	279.1	302.2	309.2	316.3	322.3	328.3	329.3	330.3	332.3	333.3	334.3
5°	273.1	274.1	274.1	273.1	274.1	275.1	275.1	275.1	275.1	275.1	276.1
7.5°	218.9	245.0	253.0	260.0	264.1	267.1	269.1	270.1	271.1	272.1	273.1
10°	264.1	263.1	264.1	264.1	265.1	265.1	242.0	218.9	226.9	233.9	221.9
12.5°	209.8	230.9	240.0	249.0	255.0	260.0	250.0	239.0	217.9	195.8	196.8
15°	253.0	253.0	253.0	253.0	233.9	213.9	200.8	186.7	197.8	207.8	187.8
17.5°	203.8	203.8	221.9	240.0	240.0	239.0	225.9	211.8	183.7	155.6	180.7
20°	252.0	252.0	253.0	254.0	220.9	187.8	198.8	208.8	212.9	216.9	207.8
22.5°	205.8	205.8	208.8	210.8	222.9	234.9	202.8	170.7	196.8	222.9	204.8
25°	266.1	267.1	269.1	270.1	240.0	208.8	222.9	236.9	208.8	180.7	208.8
27.5°	241.0	236.9	236.9	235.9	246.0	255.0	234.9	214.9	232.9	251.0	229.9
30°	338.4	335.3	331.3	327.3	289.2	251.0	252.0	252.0	245.0	238.0	250.0
32.5°	468.9	463.9	429.7	395.6	367.5	339.4	310.2	281.1	291.2	300.2	294.2
35°	629.5	629.5	597.4	565.3	502.0	438.8	389.6	339.4	335.3	331.3	337.4
37.5°	820.3	800.2	762.1	723.9	645.6	566.3	491.0	415.7	406.6	396.6	386.5
40°	961.9	958.8	929.7	900.6	804.2	707.8	619.5	530.1	501.0	470.9	448.8
42.5°	1109.4	1098.4	1075.3	1051.2	953.8	855.4	761.1	665.7	625.5	585.3	546.2
45°	1215.9	1212.9	1192.8	1172.7	1093.4	1013.1	914.7	815.3	789.2	763.1	689.8
47.5°	1282.1	1265.1	1257.0	1248.0	1179.7	1111.5	1028.1	943.8	939.8	934.7	842.4
50°	1262.1	1247.0	1249.0	1251.0	1217.9	1184.7	1121.5	1057.2	1068.3	1079.3	1003.0
52.5°	1155.6	1142.6	1160.7	1177.7	1176.7	1175.7	1152.6	1128.5	1168.7	1207.8	1155.6
55°	942.8	951.8	988.0	1024.1	1048.2	1071.3	1104.4	1136.6	1212.9	1288.2	1278.1
57.5°	739.0	759.0	796.2	832.3	871.5	909.6	979.9	1050.2	1178.7	1306.2	1350.4
60°	496.0	509.0	574.3	638.6	674.7	710.8	787.2	862.5	1037.2	1210.9	1326.3
62.5°	308.2	315.3	352.4	389.6	462.9	536.1	574.3	611.5	800.2	988.0	1201.8
65°	189.8	187.8	202.8	216.9	289.2	360.4	385.5	409.6	535.1	659.6	992.0
67.5°	113.5	112.5	120.5	128.5	161.6	194.8	233.9	273.1	317.3	360.4	734.9
70°	92.4	94.4	97.4	100.4	109.4	118.5	154.6	190.8	189.8	188.8	441.8
72.5°	77.3	79.3	85.3	90.4	97.4	103.4	124.5	144.6	135.5	126.5	210.8
75°	57.2	58.2	66.3	73.3	84.3	94.4	99.4	103.4	99.4	95.4	106.4
77.5°	38.2	38.2	45.2	52.2	63.3	74.3	80.3	86.3	79.3	72.3	75.3
80°	24.1	24.1	28.1	31.1	42.2	53.2	60.2	67.3	61.2	54.2	53.2
82.5°	14.1	15.1	17.1	19.1	26.1	33.1	38.2	43.2	50.2	56.2	45.2
85°	6.0	7.0	9.0	10.0	14.1	17.1	20.1	23.1	29.1	35.1	29.1
87.5°	1.0	1.0	2.0	3.0	4.0	5.0	5.0	5.0	5.0	4.0	5.0
90°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3
2.5°	334.3	333.3	332.3	332.3	332.3	331.3	330.3	330.3	330.3	329.3	328.3
5°	276.1	301.2	326.3	327.3	329.3	328.3	327.3	326.3	325.3	324.3	322.3
7.5°	273.1	271.1	269.1	262.1	286.1	286.1	285.1	285.1	283.1	275.1	267.1
10°	208.8	207.8	205.8	208.8	213.9	230.9	247.0	246.0	243.0	223.9	204.8
12.5°	197.8	200.8	203.8	193.8	174.7	190.8	206.8	204.8	202.8	185.7	167.7
15°	167.7	169.7	171.7	187.8	216.9	231.9	246.0	244.0	242.0	221.9	200.8
17.5°	205.8	197.8	189.8	200.8	190.8	197.8	204.8	196.8	190.8	182.7	174.7
20°	197.8	176.7	155.6	187.8	224.9	236.9	249.0	246.0	240.0	220.9	200.8
22.5°	185.7	206.8	226.9	216.9	198.8	187.8	176.7	171.7	167.7	168.7	169.7
25°	235.9	208.8	180.7	228.9	258.0	262.1	265.1	256.0	246.0	224.9	202.8
27.5°	207.8	227.9	247.0	266.1	276.1	279.1	281.1	294.2	273.1	245.0	216.9
30°	262.1	279.1	296.2	338.4	372.5	378.5	384.5	369.5	352.4	318.3	284.1
32.5°	288.2	327.3	365.5	385.5	399.6	404.6	409.6	389.6	370.5	326.3	281.1
35°	342.4	371.5	400.6	423.7	450.8	451.8	452.8	430.7	406.6	342.4	278.1
37.5°	375.5	413.7	450.8	476.9	519.1	516.1	513.1	487.0	457.8	367.5	277.1
40°	425.7	474.9	523.1	548.2	599.4	590.4	581.3	551.2	519.1	394.6	270.1
42.5°	507.0	559.2	611.5	632.5	688.8	678.7	667.7	627.5	586.3	416.7	247.0
45°	615.5	662.7	709.8	747.0	791.2	775.1	759.0	715.9	655.6	435.7	215.9
47.5°	749.0	784.1	819.3	892.6	924.7	892.6	859.4	807.2	730.9	451.8	172.7
50°	926.7	934.7	941.8	1033.1	1065.3	1016.1	966.9	899.6	808.2	469.9	130.5
52.5°	1102.4	1087.4	1071.3	1169.7	1181.7	1116.5	1050.2	979.9	865.5	479.9	93.4
55°	1268.1	1247.0	1224.9	1295.2	1287.2	1200.8	1114.5	1029.1	900.6	482.9	65.3
57.5°	1394.6	1381.5	1367.5	1399.6	1369.5	1268.1	1166.7	1081.3	926.7	488.0	48.2
60°	1440.8	1469.9	1499.0	1495.0	1439.8	1332.3	1224.9	1134.5	942.8	490.0	36.1
62.5°	1415.7	1510.1	1603.4	1565.3	1498.0	1384.5	1270.1	1182.7	949.8	489.0	28.1
65°	1324.3	1506.0	1686.8	1623.5	1539.2	1425.7	1312.3	1233.9	957.8	490.0	22.1
67.5°	1108.4	1409.6	1709.9	1669.7	1573.3	1452.8	1331.3	1268.1	953.8	485.9	18.1
70°	693.8	1147.6	1601.4	1632.5	1573.3	1440.8	1308.2	1258.0	917.7	465.9	14.1
72.5°	294.2	810.2	1326.3	1461.9	1503.0	1374.5	1246.0	1183.7	840.4	425.7	11.0
75°	116.5	465.9	815.3	1030.1	1156.6	1102.4	1047.2	963.9	551.2	280.1	8.0
77.5°	78.3	212.9	347.4	506.0	603.4	624.5	645.6	550.2	219.9	113.5	6.0
80°	52.2	85.3	118.5	181.7	216.9	204.8	191.8	157.6	67.3	36.1	5.0
82.5°	33.1	44.2	55.2	62.2	64.3	46.2	28.1	23.1	8.0	6.0	3.0
85°	22.1	26.1	30.1	31.1	31.1	22.1	12.0	6.0	3.0	3.0	2.0
87.5°	6.0	7.0	7.0	7.0	5.0	4.0	3.0	2.0	2.0	2.0	2.0
90°	3.0	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3
2.5°	328.3	328.3	327.3	326.3	326.3	325.3	315.3	304.2	294.2	283.1	282.1
5°	309.2	295.2	282.1	269.1	267.1	264.1	264.1	263.1	263.1	262.1	262.1
7.5°	265.1	263.1	261.0	259.0	258.0	256.0	255.0	253.0	252.0	250.0	239.0
10°	200.8	195.8	195.8	194.8	196.8	198.8	197.8	195.8	208.8	221.9	220.9
12.5°	178.7	188.8	179.7	169.7	172.7	174.7	177.7	180.7	179.7	177.7	162.7
15°	179.7	157.6	150.6	142.6	146.6	149.6	123.5	96.4	91.4	86.3	80.3
17.5°	167.7	160.6	155.6	149.6	114.5	78.3	70.3	62.2	55.2	47.2	46.2
20°	169.7	137.6	128.5	118.5	91.4	64.3	49.2	34.1	30.1	26.1	30.1
22.5°	165.7	160.6	117.5	74.3	55.2	36.1	30.1	23.1	25.1	27.1	27.1
25°	155.6	108.4	84.3	60.2	42.2	23.1	24.1	24.1	22.1	19.1	21.1
27.5°	168.7	119.5	76.3	32.1	28.1	23.1	21.1	18.1	18.1	18.1	17.1
30°	194.8	104.4	65.3	26.1	22.1	18.1	17.1	16.1	15.1	13.1	14.1
32.5°	184.7	88.4	55.2	22.1	19.1	16.1	14.1	12.0	12.0	12.0	12.0
35°	167.7	56.2	38.2	19.1	16.1	13.1	12.0	10.0	10.0	10.0	10.0
37.5°	156.6	36.1	26.1	15.1	13.1	11.0	10.0	8.0	8.0	8.0	9.0
40°	147.6	25.1	19.1	13.1	11.0	8.0	7.0	6.0	7.0	7.0	7.0
42.5°	134.5	21.1	16.1	11.0	9.0	7.0	6.0	5.0	6.0	6.0	6.0
45°	117.5	19.1	14.1	9.0	8.0	6.0	5.0	4.0	5.0	5.0	5.0
47.5°	94.4	16.1	12.0	8.0	7.0	5.0	5.0	4.0	4.0	4.0	4.0
50°	73.3	15.1	11.0	7.0	6.0	4.0	4.0	3.0	4.0	4.0	4.0
52.5°	53.2	13.1	10.0	6.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0
55°	38.2	11.0	8.0	5.0	4.0	3.0	3.0	2.0	3.0	3.0	3.0
57.5°	29.1	10.0	7.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0
60°	23.1	9.0	7.0	4.0	3.0	2.0	2.0	1.0	2.0	2.0	2.0
62.5°	18.1	7.0	6.0	4.0	3.0	2.0	2.0	1.0	2.0	2.0	2.0
65°	14.1	6.0	5.0	3.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
67.5°	12.0	5.0	4.0	3.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0
70°	10.0	5.0	4.0	3.0	2.0	1.0	2.0	2.0	3.0	3.0	2.0
72.5°	8.0	4.0	3.0	2.0	2.0	1.0	2.0	2.0	3.0	3.0	2.0
75°	6.0	3.0	3.0	2.0	2.0	1.0	2.0	3.0	3.0	3.0	2.0
77.5°	5.0	3.0	3.0	2.0	2.0	1.0	2.0	3.0	3.0	3.0	3.0
80°	4.0	2.0	2.0	2.0	1.0	0.0	2.0	4.0	4.0	3.0	3.0
82.5°	3.0	2.0	2.0	2.0	1.0	0.0	2.0	4.0	4.0	3.0	3.0
85°	2.0	2.0	2.0	2.0	2.0	1.0	3.0	4.0	4.0	3.0	3.0
87.5°	2.0	2.0	2.0	2.0	2.0	1.0	2.0	3.0	3.0	3.0	3.0
90°	2.0	2.0	3.0	3.0	2.0	1.0	2.0	3.0	3.0	3.0	3.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	333.3	333.3	333.3	333.3
2.5°	280.1	282.1	283.1	281.1
5°	261.0	261.0	260.0	263.1
7.5°	226.9	220.9	213.9	208.8
10°	218.9	213.9	208.8	209.8
12.5°	146.6	131.5	116.5	121.5
15°	74.3	70.3	66.3	66.3
17.5°	44.2	40.2	35.1	36.1
20°	33.1	33.1	33.1	33.1
22.5°	26.1	25.1	23.1	22.1
25°	22.1	22.1	22.1	22.1
27.5°	16.1	16.1	15.1	14.1
30°	14.1	14.1	14.1	13.1
32.5°	11.0	12.0	12.0	12.0
35°	10.0	10.0	10.0	10.0
37.5°	9.0	9.0	8.0	8.0
40°	7.0	7.0	7.0	7.0
42.5°	6.0	6.0	6.0	6.0
45°	5.0	5.0	5.0	5.0
47.5°	4.0	4.0	4.0	4.0
50°	4.0	4.0	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	1.0	1.0
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°	1.0	1.0	0.0	0.0
70°	1.0	1.0	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°	2.0	1.0	0.0	0.0
80°	2.0	2.0	1.0	0.0
82.5°	2.0	2.0	1.0	0.0
85°	2.0	2.0	1.0	0.0
87.5°	2.0	2.0	1.0	0.0
90°	2.0	2.0	1.0	0.0



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