

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: P560086

Luminaire Tested: **SDL-PA1-20-760-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
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-T4W-HSS
Description: Springdale
(1) 70 CRI, 5700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1996 lumens
Efficiency: N/A
Efficacy: 95.0 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: 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



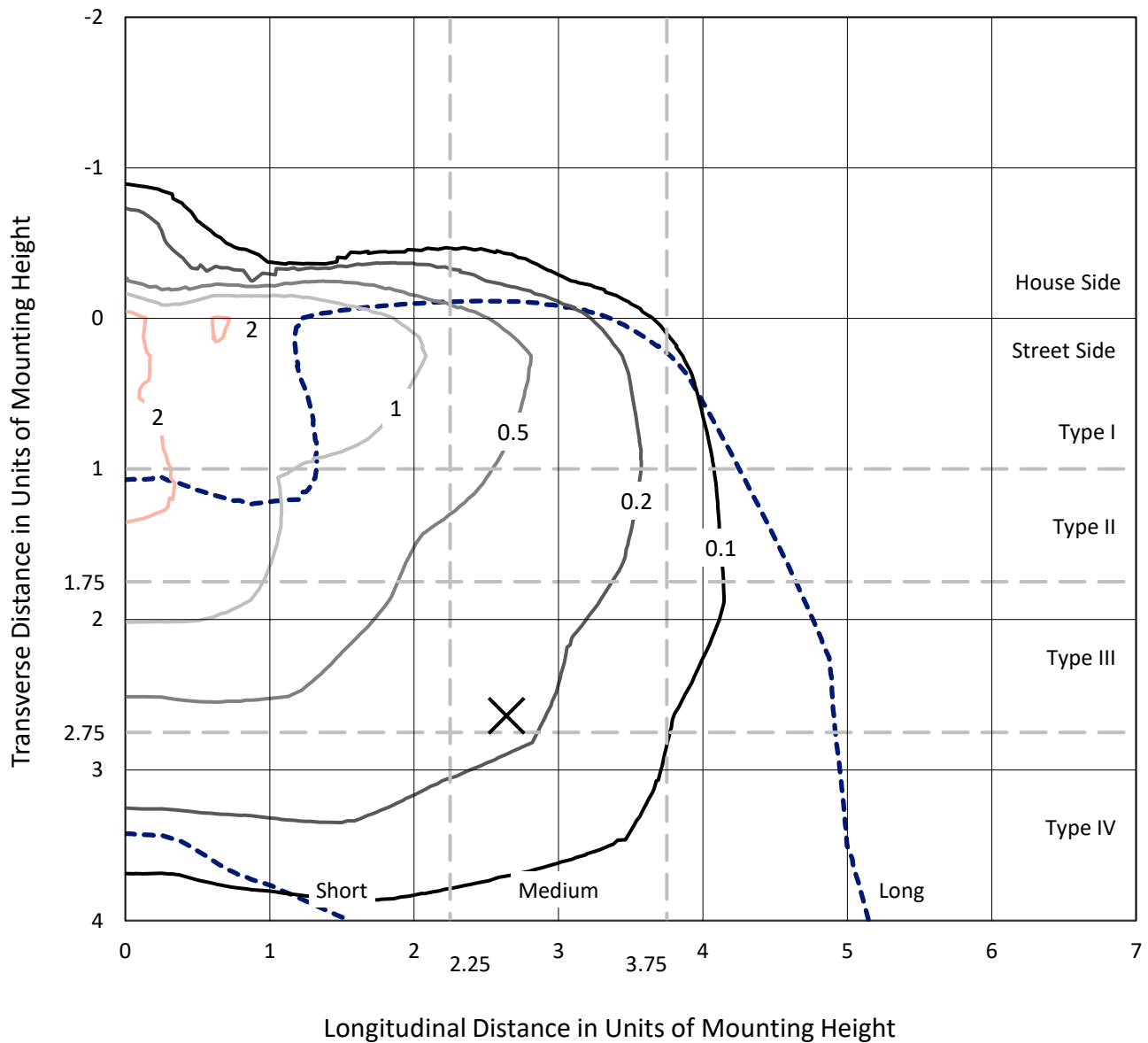
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

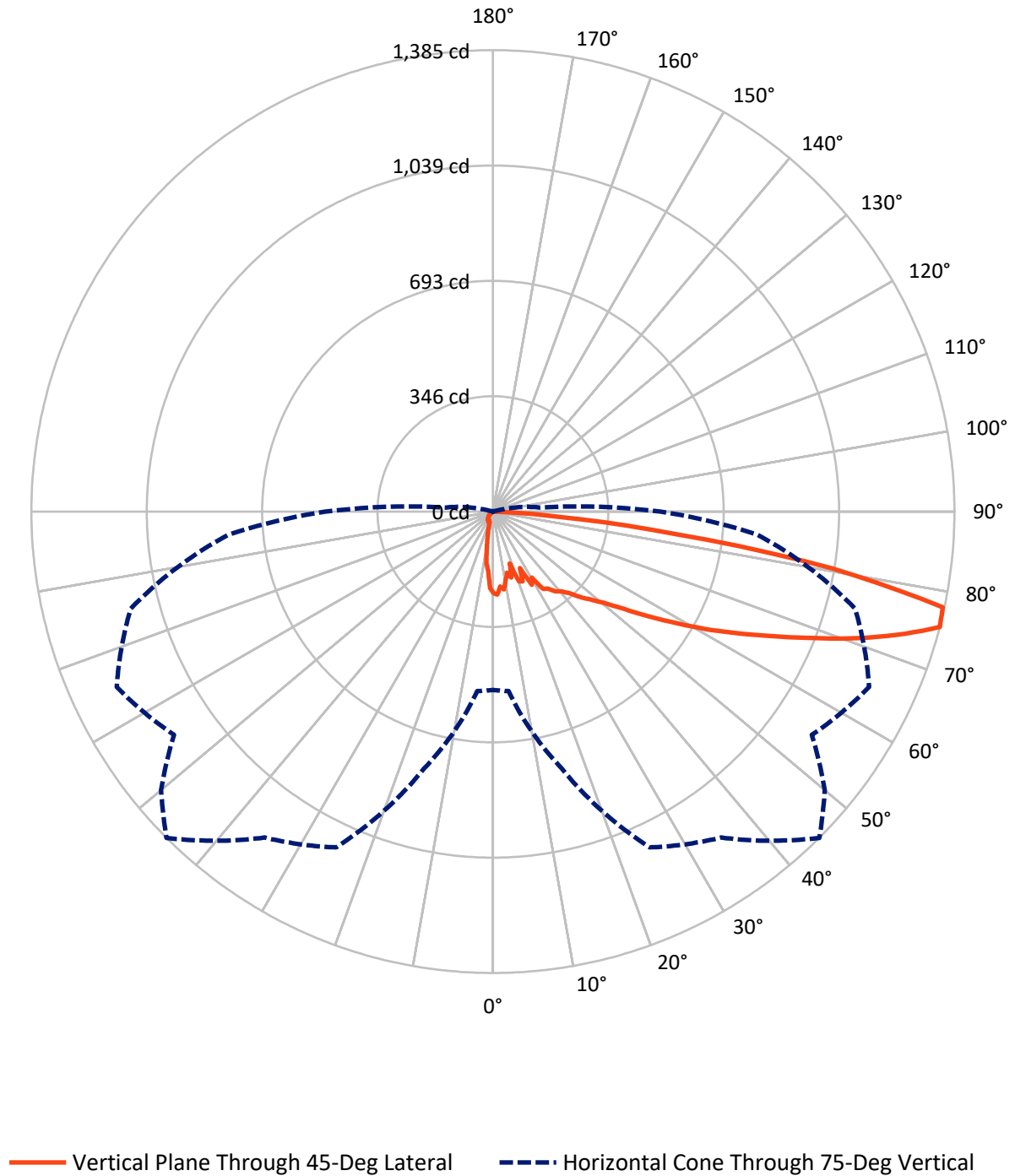
--- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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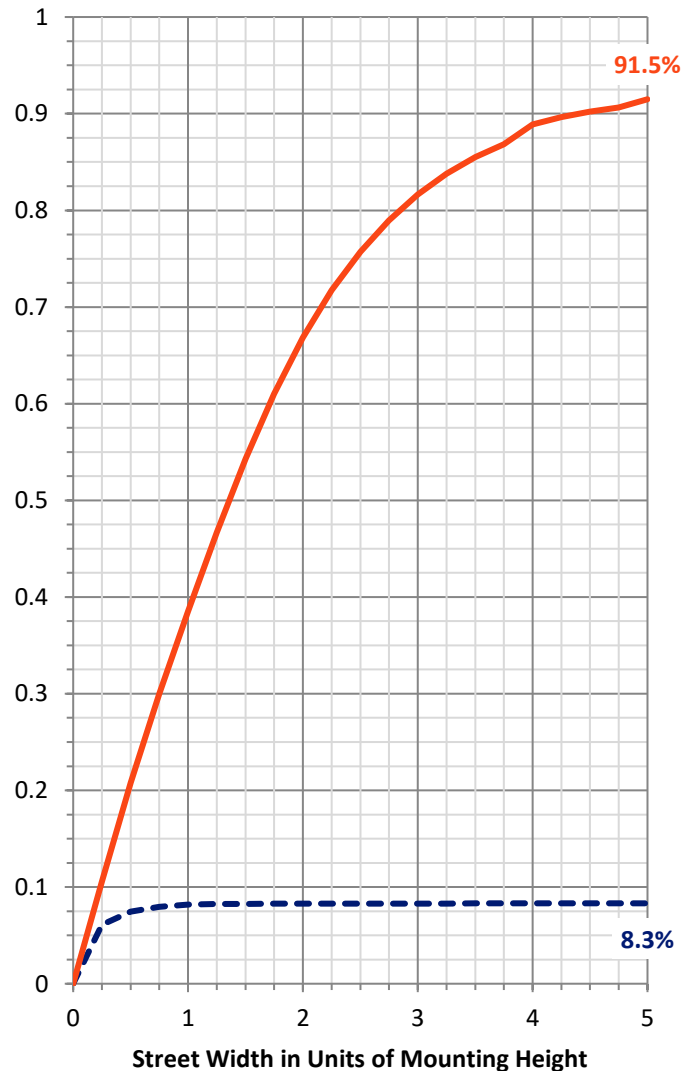
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	167.6	0.0	167.6
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	1828.4	0.0	1828.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	1996.0	0.0	1996.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	1.0
10°-20°	41.8	2.1
20°-30°	70.6	3.5
30°-40°	130.1	6.5
40°-50°	213.5	10.7
50°-60°	380.0	19.0
60°-70°	568.6	28.5
70°-80°	506.2	25.4
80°-90°	66.1	3.3
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°	1996.0	100.0
0°-180°	1996.0	100.0



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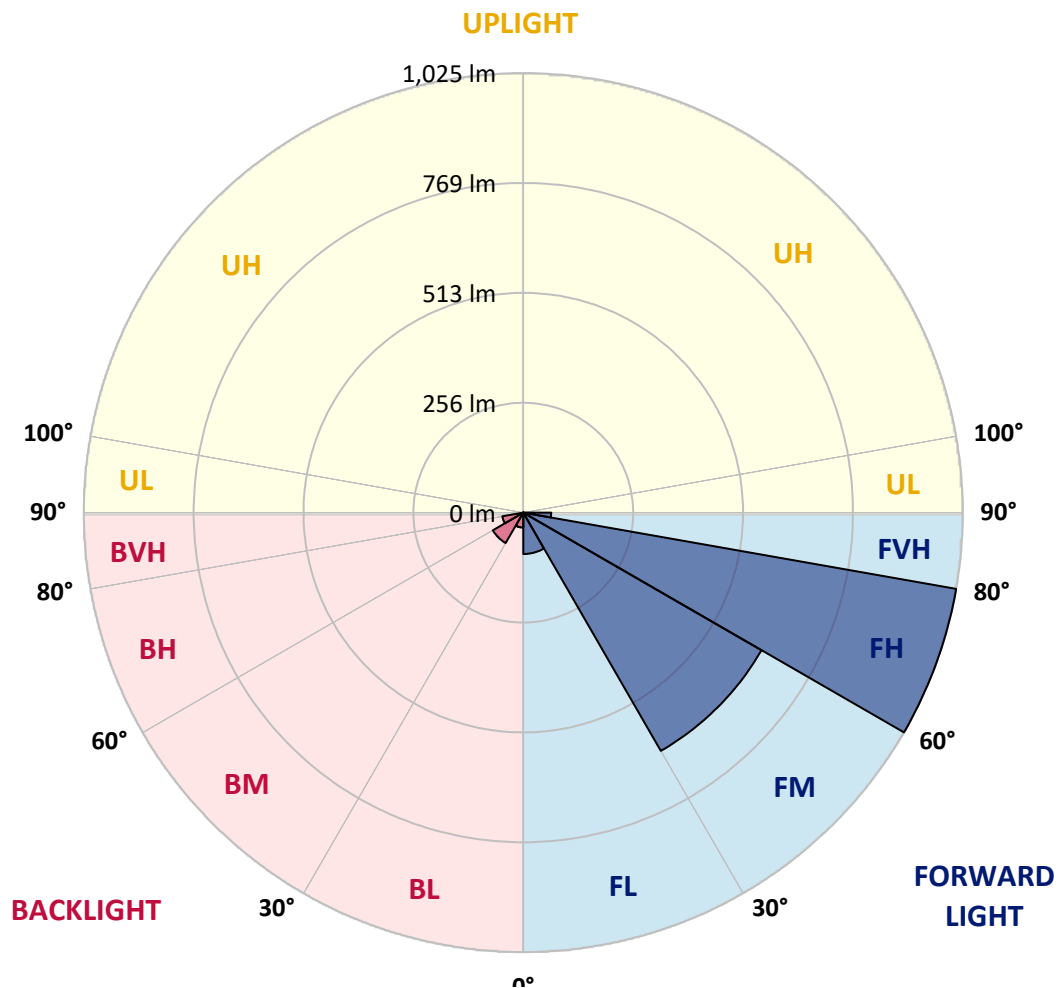
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.5	4.8			
FM	(30°-60°)	641.6	32.1			
FH	(60°-80°)	1025.2	51.4			G1/1800
FVH	(80°-90°)	65.1	3.3			G1/100
BL	(0°-30°)	35.0	1.8	B0/110		
BM	(30°-60°)	82.0	4.1	B0/220		
BH	(60°-80°)	49.6	2.5	B0/110		G0/110
BVH	(80°-90°)	1.0	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7
2.5°	227.7	244.7	246.7	247.7	249.8	250.8	250.8	250.8	250.8	249.8	249.8
5°	240.7	239.7	238.7	237.7	236.7	234.7	232.7	229.7	227.7	225.7	223.7
7.5°	235.7	236.7	239.7	241.7	240.7	239.7	241.7	242.7	239.7	235.7	231.7
10°	274.8	272.8	270.8	268.8	265.8	262.8	238.7	214.6	212.6	209.6	207.6
12.5°	240.7	270.8	270.8	270.8	270.8	270.8	254.8	238.7	213.6	188.6	159.5
15°	300.9	299.9	295.9	291.9	264.8	236.7	221.7	206.6	206.6	205.6	193.6
17.5°	249.8	249.8	269.8	288.9	277.8	266.8	245.7	224.7	194.6	163.5	175.5
20°	316.0	316.0	311.9	307.9	261.8	215.6	217.7	219.7	221.7	223.7	185.6
22.5°	259.8	257.8	255.8	253.8	258.8	263.8	222.7	180.5	204.6	227.7	177.5
25°	317.0	320.0	318.0	314.9	273.8	232.7	241.7	249.8	218.7	187.6	217.7
27.5°	271.8	268.8	264.8	259.8	262.8	265.8	246.7	226.7	237.7	248.7	199.6
30°	333.0	334.0	332.0	330.0	290.9	251.8	250.8	248.7	239.7	229.7	224.7
32.5°	412.2	404.2	376.1	348.0	324.0	299.9	280.8	261.8	269.8	276.8	249.8
35°	450.4	435.3	423.3	410.2	370.1	329.0	305.9	281.8	282.9	283.9	272.8
37.5°	487.5	465.4	450.4	435.3	387.2	339.0	313.9	288.9	296.9	303.9	291.9
40°	500.5	488.5	479.4	470.4	419.3	367.1	338.0	307.9	311.9	314.9	310.9
42.5°	533.6	531.6	526.6	520.6	459.4	397.2	362.1	327.0	331.0	334.0	332.0
45°	612.8	609.8	609.8	608.8	529.6	449.4	403.2	357.1	361.1	365.1	363.1
47.5°	715.2	710.1	704.1	697.1	612.8	527.6	461.4	394.2	394.2	394.2	397.2
50°	822.5	815.5	802.4	788.4	703.1	617.9	533.6	449.4	440.3	430.3	441.3
52.5°	933.8	921.8	899.7	876.6	801.4	726.2	630.9	534.6	507.5	479.4	493.5
55°	994.0	981.0	965.9	949.9	888.7	826.5	729.2	631.9	589.8	546.6	561.7
57.5°	1043.1	1040.1	1033.1	1026.1	978.9	931.8	834.5	736.2	679.0	621.9	634.9
60°	1110.3	1106.3	1109.3	1112.3	1076.2	1040.1	947.9	854.6	781.4	707.1	703.1
62.5°	1160.5	1159.5	1174.5	1189.6	1170.5	1150.5	1047.2	942.8	871.6	799.4	779.3
65°	1114.4	1127.4	1183.6	1239.7	1236.7	1232.7	1136.4	1039.1	968.9	897.7	871.6
67.5°	1017.1	1023.1	1106.3	1188.6	1224.7	1259.8	1191.6	1122.4	1067.2	1011.0	962.9
70°	925.8	938.8	1012.0	1085.3	1178.5	1271.8	1217.7	1163.5	1152.5	1140.4	1078.2
72.5°	837.5	860.6	928.8	997.0	1121.4	1244.7	1212.7	1180.6	1223.7	1266.8	1192.6
75°	535.6	540.6	670.0	798.4	955.9	1112.3	1153.5	1194.6	1289.9	1385.2	1299.9
77.5°	156.5	173.5	270.8	368.1	548.7	728.2	868.6	1009.0	1194.6	1380.2	1275.8
80°	53.2	57.2	71.2	84.3	180.5	276.8	439.3	600.8	816.5	1032.1	958.9
82.5°	26.1	27.1	34.1	40.1	61.2	82.2	165.5	247.7	400.2	551.7	564.7
85°	8.0	8.0	12.0	16.0	26.1	36.1	62.2	87.3	138.4	188.6	159.5
87.5°	2.0	2.0	3.0	4.0	6.0	8.0	8.0	8.0	6.0	4.0	5.0
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°	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7
2.5°	250.8	250.8	250.8	249.8	247.7	246.7	244.7	242.7	240.7	239.7	237.7
5°	220.7	233.7	245.7	246.7	246.7	243.7	240.7	237.7	234.7	231.7	228.7
7.5°	226.7	219.7	212.6	213.6	214.6	213.6	211.6	206.6	202.6	194.6	185.6
10°	181.5	176.5	170.5	172.5	174.5	179.5	184.6	180.5	174.5	159.5	143.4
12.5°	178.5	177.5	175.5	160.5	144.4	152.5	159.5	155.5	149.4	134.4	118.4
15°	152.5	153.5	153.5	168.5	183.6	189.6	194.6	189.6	182.5	162.5	141.4
17.5°	196.6	186.6	176.5	170.5	163.5	165.5	167.5	145.4	152.5	139.4	125.4
20°	203.6	170.5	137.4	164.5	191.6	200.6	209.6	204.6	195.6	163.5	130.4
22.5°	185.6	197.6	209.6	192.6	175.5	164.5	152.5	147.4	141.4	127.4	113.3
25°	229.7	196.6	162.5	194.6	225.7	227.7	229.7	220.7	210.6	170.5	130.4
27.5°	205.6	216.7	226.7	233.7	240.7	249.8	258.8	248.7	224.7	177.5	129.4
30°	244.7	259.8	274.8	297.9	321.0	328.0	334.0	323.0	303.9	224.7	144.4
32.5°	255.8	285.9	316.0	325.0	333.0	342.0	351.1	342.0	319.0	222.7	125.4
35°	285.9	306.9	327.0	341.0	355.1	363.1	371.1	365.1	334.0	219.7	105.3
37.5°	294.9	323.0	350.1	366.1	381.1	388.2	394.2	394.2	350.1	217.7	84.3
40°	308.9	344.0	379.1	394.2	408.2	419.3	429.3	433.3	368.1	216.7	64.2
42.5°	337.0	368.1	399.2	423.3	446.3	462.4	478.4	481.4	389.2	219.7	49.1
45°	367.1	400.2	433.3	465.4	497.5	520.6	542.6	540.6	414.2	227.7	40.1
47.5°	410.2	441.3	472.4	526.6	579.7	601.8	622.9	608.8	440.3	237.7	35.1
50°	454.4	492.5	530.6	599.8	668.0	688.1	707.1	678.0	465.4	249.8	33.1
52.5°	511.5	556.7	601.8	681.1	760.3	778.3	796.4	737.2	484.5	257.8	31.1
55°	578.7	636.9	695.1	770.3	844.5	865.6	886.7	795.4	493.5	261.8	30.1
57.5°	660.0	727.2	793.4	862.6	930.8	959.9	988.0	852.6	497.5	262.8	28.1
60°	739.2	813.4	887.7	946.9	1006.0	1051.2	1095.3	908.7	495.5	260.8	25.1
62.5°	812.4	894.7	975.9	1031.1	1086.3	1140.4	1194.6	953.9	482.5	251.8	20.1
65°	888.7	975.9	1062.2	1110.3	1158.5	1228.7	1297.9	993.0	464.4	239.7	14.0
67.5°	957.9	1041.1	1124.4	1178.5	1232.7	1301.9	1370.1	1003.0	438.3	224.7	10.0
70°	1016.1	1106.3	1195.6	1250.8	1305.9	1341.0	1375.1	958.9	386.2	196.6	7.0
72.5°	1096.3	1177.5	1257.8	1285.9	1313.0	1251.8	1189.6	799.4	289.9	148.4	6.0
75°	1168.5	1207.6	1245.8	1185.6	1125.4	960.9	796.4	503.5	141.4	74.2	6.0
77.5°	1095.3	1074.2	1053.2	868.6	683.1	507.5	331.0	197.6	44.1	24.1	4.0
80°	793.4	697.1	599.8	415.3	229.7	153.5	76.2	44.1	11.0	7.0	3.0
82.5°	427.3	330.0	231.7	149.4	67.2	45.1	22.1	15.0	5.0	4.0	2.0
85°	154.5	122.4	89.3	69.2	49.1	29.1	8.0	5.0	3.0	3.0	2.0
87.5°	14.0	16.0	18.1	14.0	9.0	6.0	2.0	2.0	2.0	2.0	1.0
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°	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7
2.5°	236.7	235.7	234.7	232.7	231.7	230.7	223.7	216.7	208.6	200.6	200.6
5°	215.6	202.6	195.6	188.6	183.6	178.5	177.5	175.5	173.5	171.5	170.5
7.5°	180.5	175.5	171.5	167.5	162.5	157.5	152.5	147.4	143.4	139.4	130.4
10°	135.4	127.4	121.4	115.3	112.3	108.3	102.3	95.3	95.3	95.3	94.3
12.5°	117.4	116.4	101.3	85.3	80.2	75.2	74.2	73.2	71.2	68.2	64.2
15°	116.4	90.3	77.2	63.2	60.2	56.2	50.2	43.1	42.1	40.1	45.1
17.5°	105.3	85.3	70.2	55.2	44.1	33.1	35.1	36.1	41.1	45.1	48.1
20°	95.3	60.2	50.2	39.1	36.1	32.1	34.1	36.1	35.1	33.1	38.1
22.5°	89.3	64.2	47.1	30.1	32.1	34.1	32.1	29.1	34.1	39.1	42.1
25°	86.3	41.1	37.1	32.1	30.1	28.1	32.1	35.1	33.1	31.1	37.1
27.5°	85.3	41.1	35.1	28.1	30.1	32.1	31.1	29.1	33.1	36.1	35.1
30°	91.3	37.1	33.1	29.1	28.1	27.1	29.1	31.1	31.1	30.1	35.1
32.5°	81.2	37.1	33.1	28.1	28.1	27.1	27.1	27.1	30.1	33.1	35.1
35°	70.2	34.1	31.1	27.1	26.1	25.1	26.1	26.1	29.1	31.1	35.1
37.5°	58.2	32.1	29.1	25.1	24.1	23.1	23.1	22.1	25.1	28.1	31.1
40°	47.1	30.1	27.1	23.1	22.1	21.1	21.1	21.1	23.1	24.1	26.1
42.5°	39.1	28.1	25.1	21.1	20.1	19.1	19.1	18.1	19.1	20.1	21.1
45°	34.1	27.1	24.1	20.1	19.1	17.1	16.0	15.0	15.0	15.0	15.0
47.5°	30.1	25.1	23.1	20.1	18.1	15.0	14.0	12.0	11.0	10.0	9.0
50°	28.1	23.1	21.1	18.1	16.0	13.0	11.0	9.0	8.0	6.0	6.0
52.5°	26.1	21.1	19.1	16.0	13.0	10.0	8.0	5.0	5.0	4.0	4.0
55°	25.1	20.1	17.1	14.0	11.0	7.0	5.0	3.0	3.0	2.0	2.0
57.5°	24.1	19.1	16.0	12.0	8.0	4.0	3.0	2.0	2.0	2.0	2.0
60°	21.1	17.1	13.0	8.0	5.0	2.0	2.0	1.0	2.0	2.0	2.0
62.5°	17.1	13.0	9.0	5.0	3.0	1.0	1.0	1.0	2.0	2.0	2.0
65°	12.0	9.0	6.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
67.5°	9.0	7.0	5.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
70°	6.0	5.0	4.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	5.0	4.0	3.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
75°	5.0	4.0	3.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
77.5°	4.0	3.0	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	1.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	1.0	1.0	0.0	2.0	3.0	3.0	2.0	2.0
85°	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0	3.0	2.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0	3.0	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):

	165°	170°	175°	180°
0°	244.7	244.7	244.7	244.7
2.5°	199.6	199.6	198.6	198.6
5°	168.5	168.5	167.5	167.5
7.5°	121.4	119.4	116.4	117.4
10°	93.3	91.3	89.3	91.3
12.5°	60.2	61.2	61.2	58.2
15°	49.1	53.2	56.2	56.2
17.5°	51.2	51.2	50.2	50.2
20°	43.1	47.1	51.2	51.2
22.5°	44.1	42.1	40.1	40.1
25°	42.1	45.1	47.1	47.1
27.5°	34.1	35.1	36.1	36.1
30°	39.1	41.1	42.1	42.1
32.5°	37.1	39.1	40.1	41.1
35°	38.1	40.1	41.1	41.1
37.5°	34.1	35.1	36.1	36.1
40°	27.1	28.1	29.1	29.1
42.5°	21.1	21.1	20.1	21.1
45°	14.0	14.0	13.0	14.0
47.5°	8.0	8.0	8.0	8.0
50°	5.0	5.0	5.0	5.0
52.5°	3.0	3.0	3.0	3.0
55°	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	1.0	1.0
60°	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	0.0	0.0
65°	0.0	0.0	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°	0.0	0.0	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	0.0	0.0
85°	1.0	1.0	1.0	0.0
87.5°	1.0	1.0	1.0	0.0
90°	0.0	0.0	0.0	0.0



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