Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P559858

Luminaire Tested: **SDL-PA1-100-740-U-T2U-HSS**

Issue Date: 7/26/2021

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P559858
	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-PA1-100-740-U-T2U-HSS
Description:	Springdale
	(1) 70 CRI, 4000K, 1200mA 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:	7455.6 lumens
Efficiency:	N/A
Efficacy:	79.5 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:	B1 - U0 - G2

Input Watts (W):	93.8
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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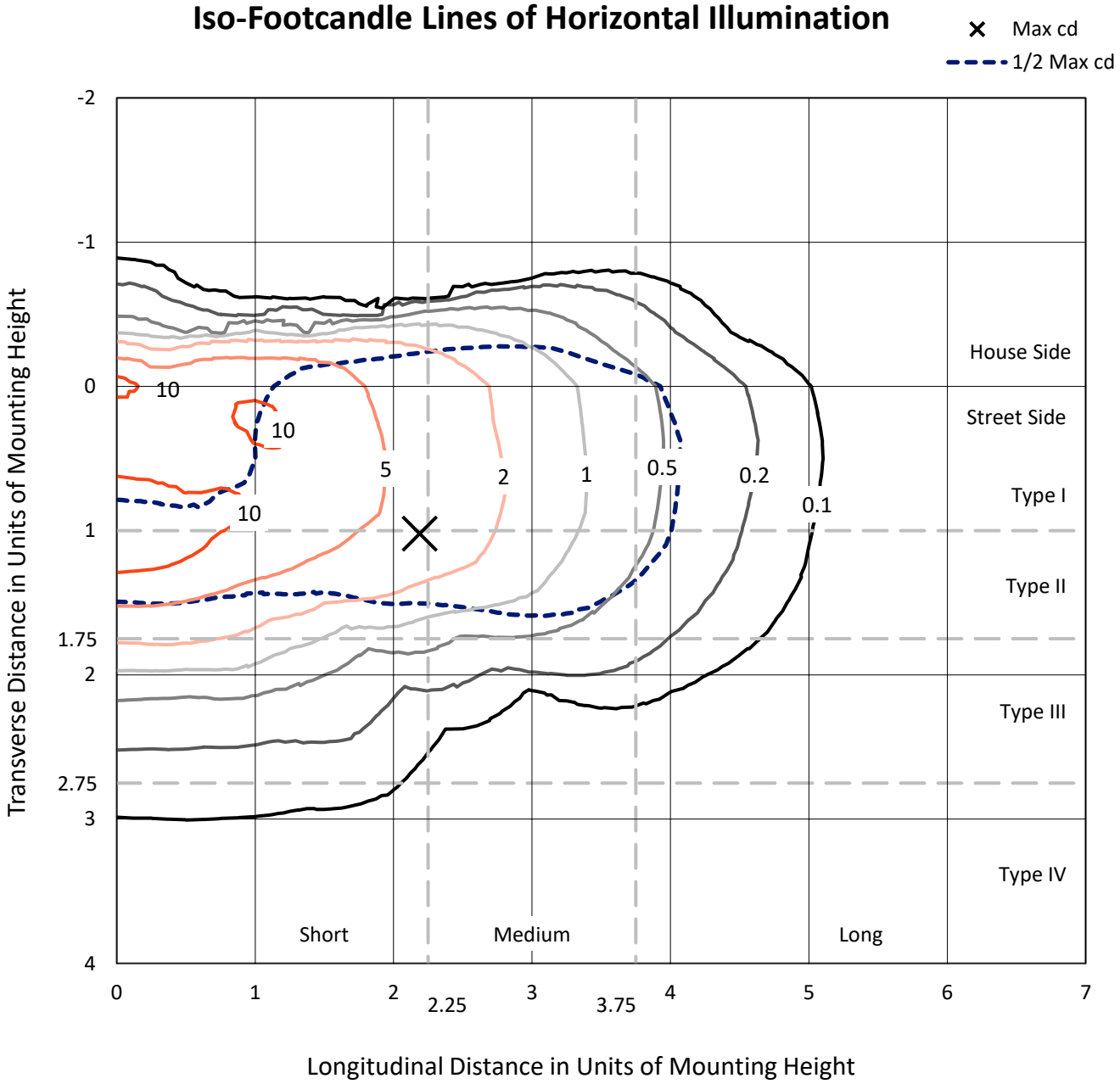
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 16.5 fc
Type II - Short - N/A

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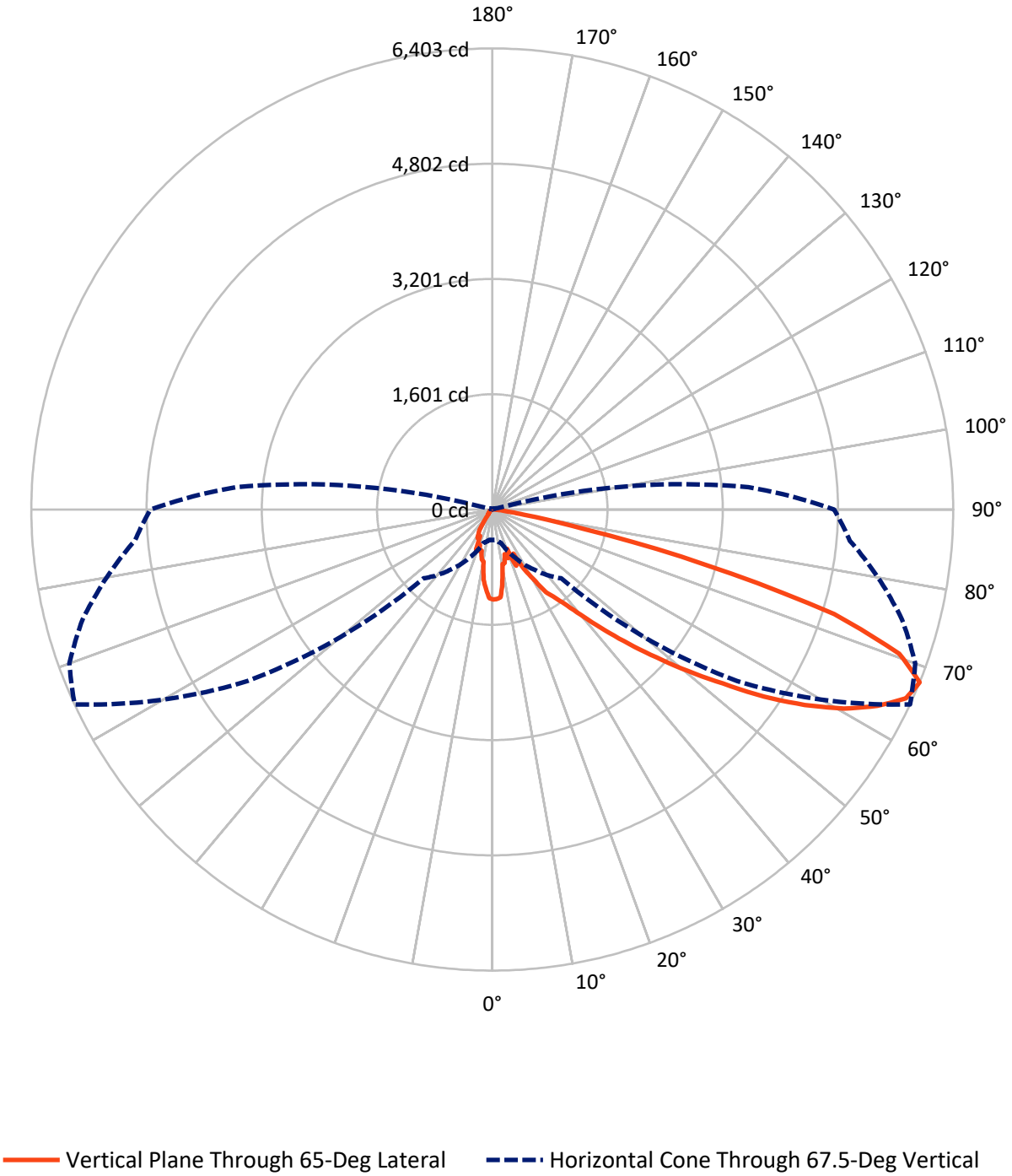
Luminous Intensity Polar Plot



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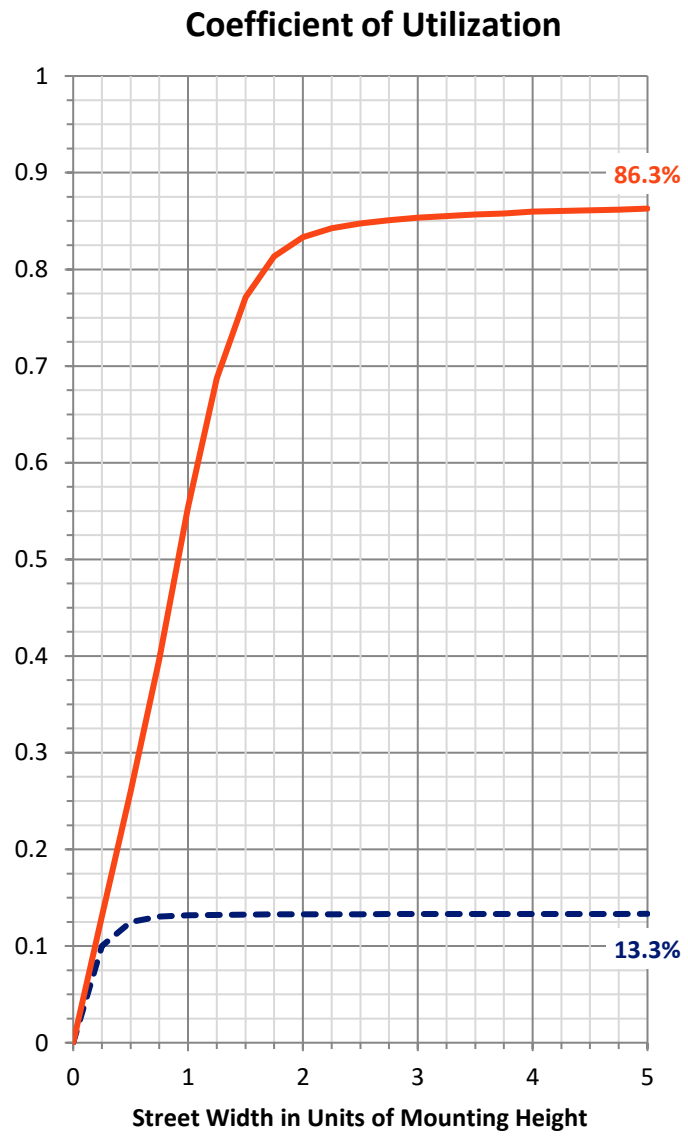
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1008.1	0.0	1008.1
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	6447.5	0.0	6447.5
	% Fixture	86.5	0.0	86.5
Total	Lumens	7455.6	0.0	7455.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	1.3
10°-20°	185.3	2.5
20°-30°	279.8	3.8
30°-40°	644.5	8.6
40°-50°	1413.9	19.0
50°-60°	2075.7	27.8
60°-70°	1802.9	24.2
70°-80°	894.0	12.0
80°-90°	63.5	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°	7455.6	100.0
0°-180°	7455.6	100.0



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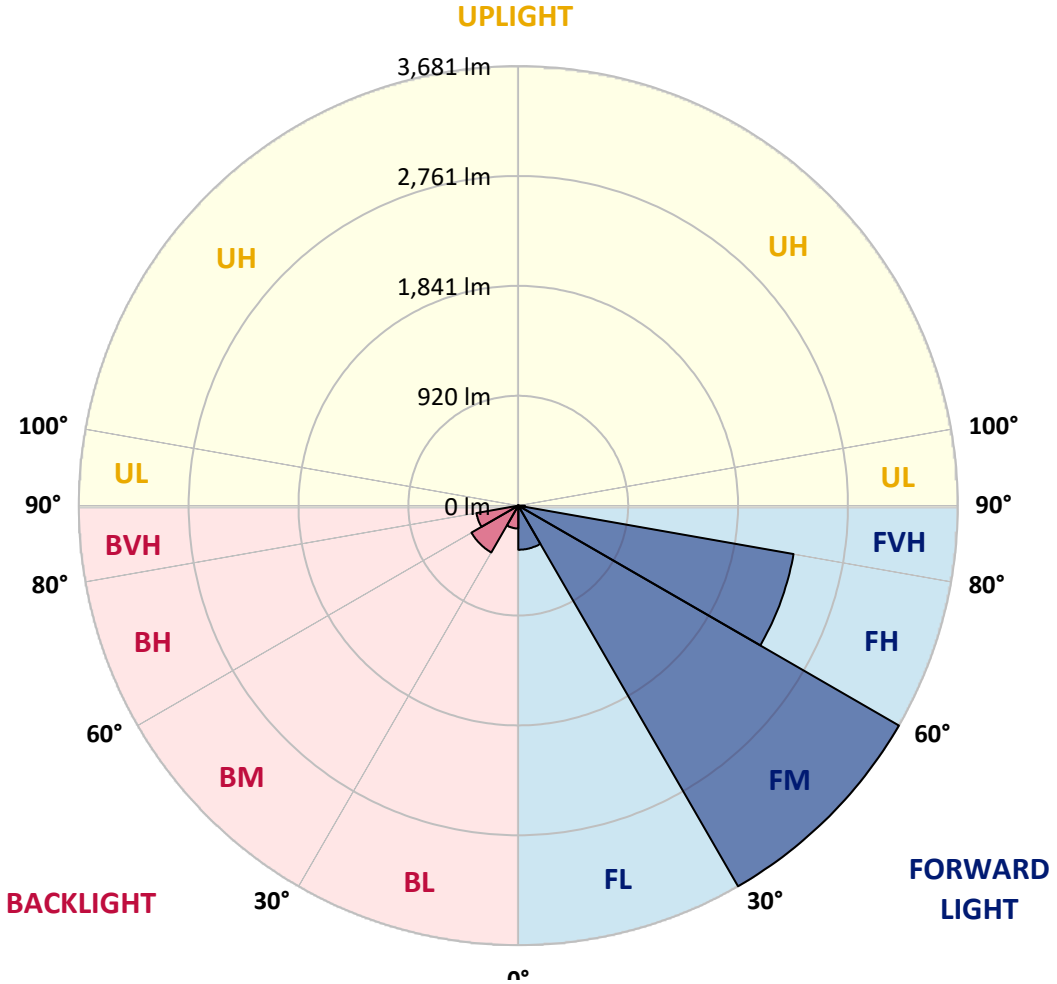
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	369.5	5.0			
FM	(30°-60°)	3681.4	49.4			
FH	(60°-80°)	2340.7	31.4			G2/5000
FVH	(80°-90°)	55.8	0.7			G1/100
BL	(0°-30°)	191.5	2.6	B1/500		
BM	(30°-60°)	452.8	6.1	B1/1000		
BH	(60°-80°)	356.2	4.8	B1/500		G1/500
BVH	(80°-90°)	7.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2
2.5°	1045.2	1131.7	1158.0	1184.3	1206.9	1229.4	1233.2	1236.9	1244.5	1248.2	1252.0
5°	1022.6	1026.4	1026.4	1022.6	1026.4	1030.2	1030.2	1030.2	1030.2	1030.2	1033.9
7.5°	819.6	917.4	947.4	973.8	988.8	1000.1	1007.6	1011.4	1015.1	1018.9	1022.6
10°	988.8	985.0	988.8	988.8	992.6	992.6	906.1	819.6	849.7	876.0	830.9
12.5°	785.8	864.7	898.6	932.4	955.0	973.8	936.2	894.8	815.9	733.1	736.9
15°	947.4	947.4	947.4	947.4	876.0	800.8	751.9	699.3	740.7	778.3	703.1
17.5°	763.2	763.2	830.9	898.6	898.6	894.8	845.9	793.3	688.0	582.8	676.7
20°	943.7	943.7	947.4	951.2	827.1	703.1	744.4	782.0	797.1	812.1	778.3
22.5°	770.7	770.7	782.0	789.5	834.7	879.8	759.5	639.2	736.9	834.7	767.0
25°	996.3	1000.1	1007.6	1011.4	898.6	782.0	834.7	887.3	782.0	676.7	782.0
27.5°	902.3	887.3	887.3	883.5	921.1	955.0	879.8	804.6	872.3	939.9	861.0
30°	1267.0	1255.7	1240.7	1225.7	1082.8	939.9	943.7	943.7	917.4	891.1	936.2
32.5°	1755.8	1737.0	1609.2	1481.3	1376.1	1270.8	1161.8	1052.7	1090.3	1124.2	1101.6
35°	2357.3	2357.3	2237.0	2116.7	1879.9	1643.0	1458.8	1270.8	1255.7	1240.7	1263.3
37.5°	3071.7	2996.5	2853.6	2710.8	2417.5	2120.5	1838.5	1556.5	1522.7	1485.1	1447.5
40°	3601.8	3590.5	3481.5	3372.5	3011.5	2650.6	2319.7	1985.1	1876.1	1763.3	1680.6
42.5°	4154.5	4113.1	4026.7	3936.4	3571.7	3203.3	2849.9	2492.7	2342.3	2191.9	2045.3
45°	4553.0	4541.7	4466.5	4391.3	4094.3	3793.5	3425.1	3052.9	2955.1	2857.4	2582.9
47.5°	4801.2	4737.2	4707.2	4673.3	4417.7	4162.0	3849.9	3534.1	3519.1	3500.3	3154.4
50°	4726.0	4669.6	4677.1	4684.6	4560.5	4436.5	4199.6	3959.0	4000.3	4041.7	3756.0
52.5°	4327.4	4278.6	4346.2	4410.1	4406.4	4402.6	4316.1	4225.9	4376.3	4522.9	4327.4
55°	3530.4	3564.2	3699.6	3834.9	3925.1	4011.6	4135.7	4256.0	4541.7	4823.7	4786.1
57.5°	2767.1	2842.3	2981.5	3116.8	3263.4	3406.3	3669.5	3932.7	4413.9	4891.4	5056.8
60°	1857.3	1906.2	2150.6	2391.2	2526.5	2661.9	2947.6	3229.6	3883.8	4534.2	4966.6
62.5°	1154.2	1180.5	1319.7	1458.8	1733.2	2007.7	2150.6	2289.7	2996.5	3699.6	4500.4
65°	710.6	703.1	759.5	812.1	1082.8	1349.7	1443.7	1534.0	2003.9	2470.1	3714.6
67.5°	*424.8*	*421.1*	*451.2*	*481.2*	*605.3*	*729.4*	*876.0*	*1022.6*	*1188.1*	*1349.7*	*2752.1*
70°	345.9	353.4	364.7	376.0	409.8	443.6	579.0	714.3	710.6	706.8	1654.3
72.5°	289.5	297.0	319.6	338.4	364.7	387.3	466.2	541.4	507.6	473.7	789.5
75°	214.3	218.1	248.1	274.5	315.8	353.4	372.2	387.3	372.2	357.2	398.5
77.5°	142.9	142.9	169.2	195.5	236.9	278.2	300.8	323.3	297.0	270.7	282.0
80°	90.2	90.2	105.3	116.6	157.9	199.3	225.6	251.9	229.3	203.0	199.3
82.5°	52.6	56.4	63.9	71.4	97.8	124.1	142.9	161.7	188.0	210.5	169.2
85°	22.6	26.3	33.8	37.6	52.6	63.9	75.2	86.5	109.0	131.6	109.0
87.5°	3.8	3.8	7.5	11.3	15.0	18.8	18.8	18.8	18.8	15.0	18.8
90°	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.5

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1248.2	1248.2	*1248.2*	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2
2.5°	1252.0	1248.2	*1244.5*	1244.5	1244.5	1240.7	1236.9	1236.9	1236.9	1233.2	1229.4
5°	1033.9	1127.9	*1221.9*	1225.7	1233.2	1229.4	1225.7	1221.9	1218.1	1214.4	1206.9
7.5°	1022.6	1015.1	*1007.6*	981.3	1071.5	1071.5	1067.8	1067.8	1060.2	1030.2	1000.1
10°	782.0	778.3	*770.7*	782.0	800.8	864.7	924.9	921.1	909.9	838.4	767.0
12.5°	740.7	751.9	*763.2*	725.6	654.2	714.3	774.5	767.0	759.5	695.5	627.9
15°	627.9	635.4	*642.9*	703.1	812.1	868.5	921.1	913.6	906.1	830.9	751.9
17.5°	770.7	740.7	*710.6*	751.9	714.3	740.7	767.0	736.9	714.3	684.3	654.2
20°	740.7	661.7	*582.8*	703.1	842.2	887.3	932.4	921.1	898.6	827.1	751.9
22.5°	695.5	774.5	*849.7*	812.1	744.4	703.1	661.7	642.9	627.9	631.6	635.4
25°	883.5	782.0	*676.7*	857.2	966.2	981.3	992.6	958.7	921.1	842.2	759.5
27.5°	778.3	853.5	*924.9*	996.3	1033.9	1045.2	1052.7	1101.6	1022.6	917.4	812.1
30°	981.3	1045.2	*1109.1*	1267.0	1394.9	1417.4	1440.0	1383.6	1319.7	1191.8	1064.0
32.5°	1079.0	1225.7	*1368.5*	1443.7	1496.4	1515.2	1534.0	1458.8	1387.3	1221.9	1052.7
35°	1282.1	1391.1	*1500.1*	1586.6	1688.1	1691.9	1695.6	1612.9	1522.7	1282.1	1041.4
37.5°	1406.1	1549.0	*1688.1*	1785.9	1943.8	1932.5	1921.2	1823.5	1714.4	1376.1	1037.7
40°	1594.1	1778.3	*1958.8*	2052.8	2244.5	2210.7	2176.9	2064.1	1943.8	1477.6	1011.4
42.5°	1898.7	2094.2	*2289.7*	2368.6	2579.2	2541.6	2500.2	2349.8	2195.7	1560.3	924.9
45°	2304.7	2481.4	*2658.1*	2797.2	2962.7	2902.5	2842.3	2680.7	2455.1	1631.7	808.3
47.5°	2804.7	2936.3	*3067.9*	3342.4	3462.7	3342.4	3218.3	3022.8	2737.1	1691.9	646.7
50°	3470.2	3500.3	*3526.6*	3868.7	3989.1	3804.8	3620.6	3368.7	3026.6	1759.5	488.8
52.5°	4128.2	4071.8	*4011.6*	4380.1	4425.2	4180.8	3932.7	3669.5	3240.9	1797.1	349.7
55°	4748.5	4669.6	*4586.8*	4850.0	4819.9	4496.6	4173.3	3853.7	3372.5	1808.4	244.4
57.5°	5222.2	5173.4	*5120.7*	5241.0	5128.2	4748.5	4368.8	4049.2	3470.2	1827.2	180.5
60°	5395.2	5504.2	*5613.2*	5598.2	5391.4	4989.1	4586.8	4248.5	3530.4	1834.7	135.3
62.5°	5301.2	5654.6	*6004.3*	5861.4	5609.5	5184.6	4756.0	4428.9	3556.7	1831.0	105.3
65°	4959.1	5639.6	*6316.3*	6079.5	5763.6	5338.8	4913.9	4620.7	3586.8	1834.7	82.7
67.5°	*4150.7*	*5278.6*	*6402.8*	*6252.4*	*5891.5*	*5440.3*	*4985.4*	*4748.5*	*3571.7*	*1819.7*	*67.7*
70°	2598.0	4297.3	*5996.7*	6113.3	5891.5	5395.2	4898.9	4710.9	3436.4	1744.5	52.6
72.5°	1101.6	3034.1	*4966.6*	5474.1	5628.3	5147.0	4665.8	4432.7	3146.9	1594.1	41.4
75°	436.1	1744.5	*3052.9*	3857.5	4331.2	4128.2	3921.4	3609.3	2064.1	1049.0	30.1
77.5°	293.3	797.1	*1300.9*	1894.9	2259.6	2338.5	2417.5	2060.3	823.4	424.8	22.6
80°	195.5	319.6	*443.6*	680.5	812.1	767.0	718.1	590.3	251.9	135.3	18.8
82.5°	124.1	165.4	*206.8*	233.1	240.6	172.9	105.3	86.5	30.1	22.6	11.3
85°	82.7	97.8	*112.8*	116.6	116.6	82.7	45.1	22.6	11.3	11.3	7.5
87.5°	22.6	26.3	*26.3*	26.3	18.8	15.0	11.3	7.5	7.5	7.5	7.5
90°	11.3	15.0	*15.0*	15.0	11.3	11.3	7.5	7.5	7.5	7.5	7.5

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2
2.5°	1229.4	1229.4	1225.7	1221.9	1221.9	1218.1	1180.5	1139.2	1101.6	1060.2	1056.5
5°	1158.0	1105.4	1056.5	1007.6	1000.1	988.8	988.8	985.0	985.0	981.3	981.3
7.5°	992.6	985.0	977.5	970.0	966.2	958.7	955.0	947.4	943.7	936.2	894.8
10°	751.9	733.1	733.1	729.4	736.9	744.4	740.7	733.1	782.0	830.9	827.1
12.5°	669.2	706.8	673.0	635.4	646.7	654.2	665.5	676.7	673.0	665.5	609.1
15°	673.0	590.3	564.0	533.9	548.9	560.2	462.4	360.9	342.1	323.3	300.8
17.5°	627.9	601.6	582.8	560.2	428.6	293.3	263.2	233.1	206.8	176.7	172.9
20°	635.4	515.1	481.2	443.6	342.1	240.6	184.2	127.8	112.8	97.8	112.8
22.5°	620.4	601.6	439.9	278.2	206.8	135.3	112.8	86.5	94.0	101.5	101.5
25°	582.8	406.0	315.8	225.6	157.9	86.5	90.2	90.2	82.7	71.4	79.0
27.5°	631.6	447.4	285.7	120.3	105.3	86.5	79.0	67.7	67.7	67.7	63.9
30°	729.4	391.0	244.4	97.8	82.7	67.7	63.9	60.2	56.4	48.9	52.6
32.5°	691.8	330.9	206.8	82.7	71.4	60.2	52.6	45.1	45.1	45.1	45.1
35°	627.9	210.5	142.9	71.4	60.2	48.9	45.1	37.6	37.6	37.6	37.6
37.5°	586.5	135.3	97.8	56.4	48.9	41.4	37.6	30.1	30.1	30.1	33.8
40°	552.7	94.0	71.4	48.9	41.4	30.1	26.3	22.6	26.3	26.3	26.3
42.5°	503.8	79.0	60.2	41.4	33.8	26.3	22.6	18.8	22.6	22.6	22.6
45°	439.9	71.4	52.6	33.8	30.1	22.6	18.8	15.0	18.8	18.8	18.8
47.5°	353.4	60.2	45.1	30.1	26.3	18.8	18.8	15.0	15.0	15.0	15.0
50°	274.5	56.4	41.4	26.3	22.6	15.0	15.0	11.3	15.0	15.0	15.0
52.5°	199.3	48.9	37.6	22.6	18.8	11.3	11.3	11.3	11.3	11.3	11.3
55°	142.9	41.4	30.1	18.8	15.0	11.3	11.3	7.5	11.3	11.3	11.3
57.5°	109.0	37.6	26.3	15.0	11.3	7.5	7.5	7.5	7.5	7.5	7.5
60°	86.5	33.8	26.3	15.0	11.3	7.5	7.5	3.8	7.5	7.5	7.5
62.5°	67.7	26.3	22.6	15.0	11.3	7.5	7.5	3.8	7.5	7.5	7.5
65°	52.6	22.6	18.8	11.3	7.5	3.8	3.8	3.8	7.5	7.5	7.5
67.5°	*45.1*	*18.8*	*15.0*	*11.3*	*7.5*	*3.8*	*7.5*	*7.5*	*7.5*	*7.5*	*7.5*
70°	37.6	18.8	15.0	11.3	7.5	3.8	7.5	7.5	11.3	11.3	7.5
72.5°	30.1	15.0	11.3	7.5	7.5	3.8	7.5	7.5	11.3	11.3	7.5
75°	22.6	11.3	11.3	7.5	7.5	3.8	7.5	11.3	11.3	11.3	7.5
77.5°	18.8	11.3	11.3	7.5	7.5	3.8	7.5	11.3	11.3	11.3	11.3
80°	15.0	7.5	7.5	7.5	3.8	0.0	7.5	15.0	15.0	11.3	11.3
82.5°	11.3	7.5	7.5	7.5	3.8	0.0	7.5	15.0	15.0	11.3	11.3
85°	7.5	7.5	7.5	7.5	7.5	3.8	11.3	15.0	15.0	11.3	11.3
87.5°	7.5	7.5	7.5	7.5	7.5	3.8	7.5	11.3	11.3	11.3	11.3
90°	7.5	7.5	11.3	11.3	7.5	3.8	7.5	11.3	11.3	11.3	11.3

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1248.2	1248.2	1248.2	1248.2
2.5°	1049.0	1056.5	1060.2	1052.7
5°	977.5	977.5	973.8	985.0
7.5°	849.7	827.1	800.8	782.0
10°	819.6	800.8	782.0	785.8
12.5°	548.9	492.5	436.1	454.9
15°	278.2	263.2	248.1	248.1
17.5°	165.4	150.4	131.6	135.3
20°	124.1	124.1	124.1	124.1
22.5°	97.8	94.0	86.5	82.7
25°	82.7	82.7	82.7	82.7
27.5°	60.2	60.2	56.4	52.6
30°	52.6	52.6	52.6	48.9
32.5°	41.4	45.1	45.1	45.1
35°	37.6	37.6	37.6	37.6
37.5°	33.8	33.8	30.1	30.1
40°	26.3	26.3	26.3	26.3
42.5°	22.6	22.6	22.6	22.6
45°	18.8	18.8	18.8	18.8
47.5°	15.0	15.0	15.0	15.0
50°	15.0	15.0	11.3	11.3
52.5°	11.3	11.3	7.5	7.5
55°	7.5	7.5	7.5	7.5
57.5°	7.5	7.5	3.8	3.8
60°	7.5	7.5	3.8	3.8
62.5°	3.8	3.8	3.8	3.8
65°	3.8	3.8	0.0	0.0
67.5°	*3.8*	*3.8*	*0.0*	*0.0*
70°	3.8	3.8	0.0	0.0
72.5°	3.8	3.8	0.0	0.0
75°	3.8	3.8	0.0	0.0
77.5°	7.5	3.8	0.0	0.0
80°	7.5	7.5	3.8	0.0
82.5°	7.5	7.5	3.8	0.0
85°	7.5	7.5	3.8	0.0
87.5°	7.5	7.5	3.8	0.0
90°	7.5	7.5	3.8	0.0

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