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: P559885

Luminaire Tested: **SDL-PA1-100-750-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P559885
	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-PA1-100-750-U-T3
Description:	Springdale
	(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10279 lumens
Efficiency:	N/A
Efficacy:	109.6 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:	B2 - U0 - G3

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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Scaled Data Report

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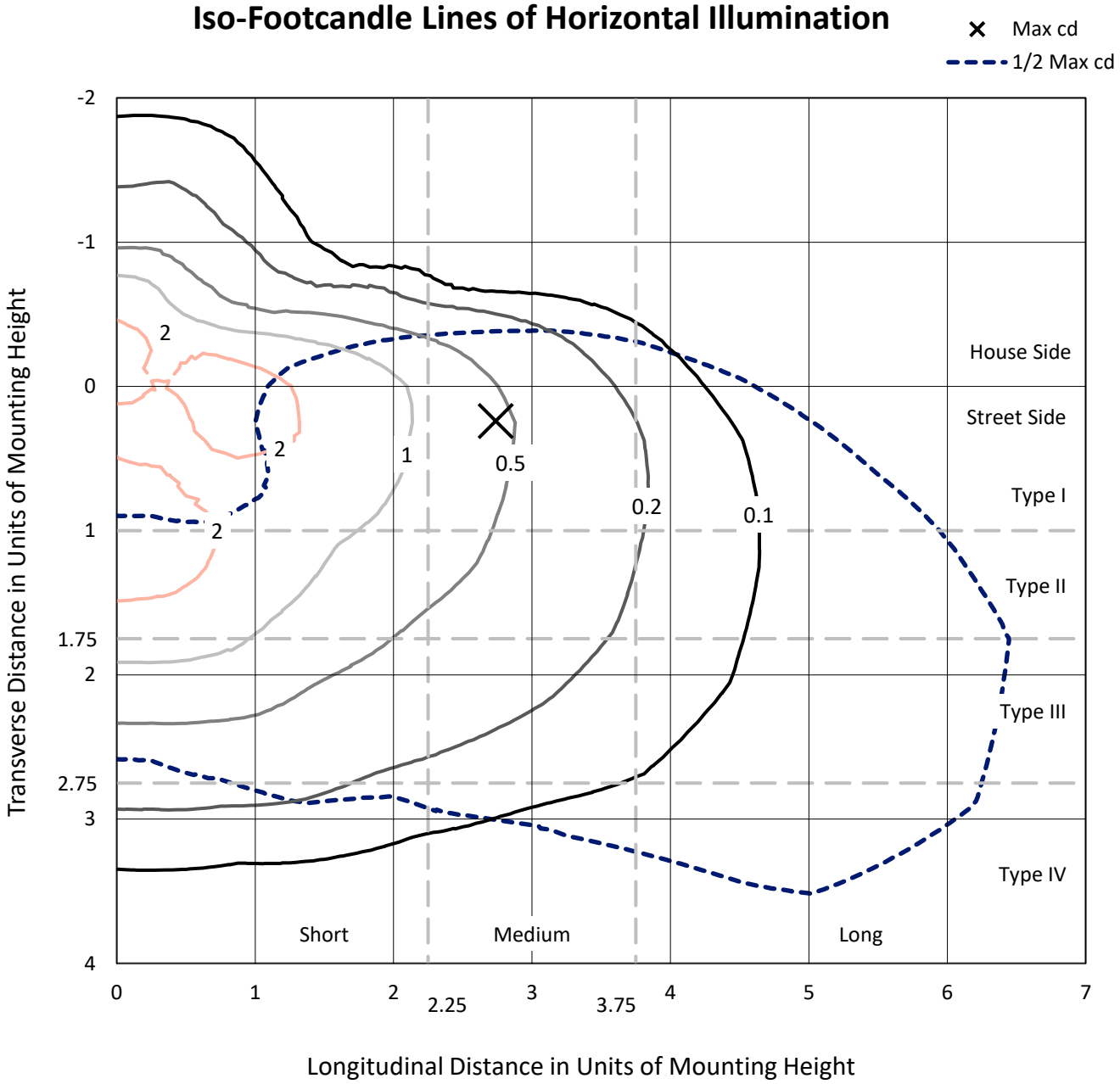
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 3.1 fc
Type IV - Medium - N/A

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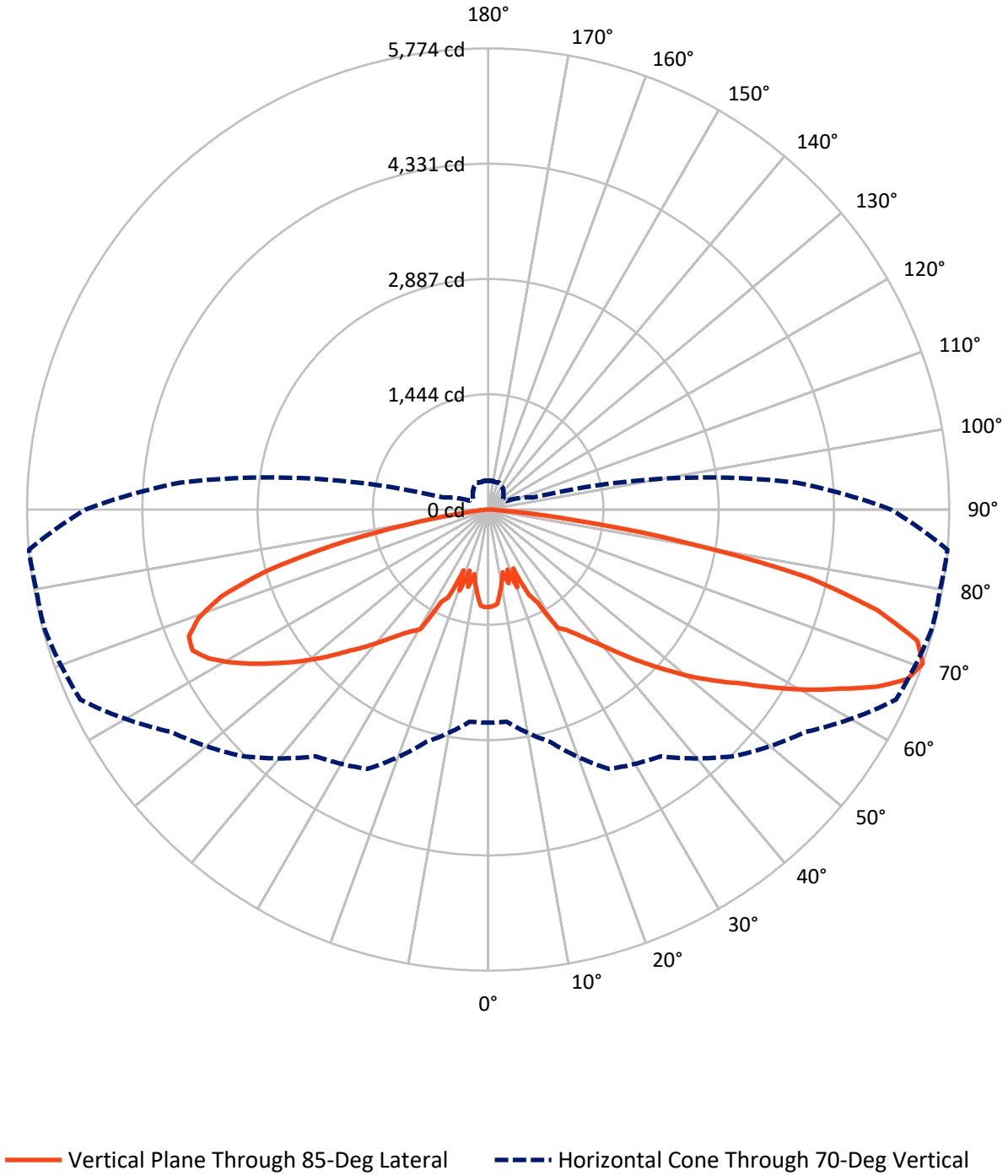
Luminous Intensity Polar Plot



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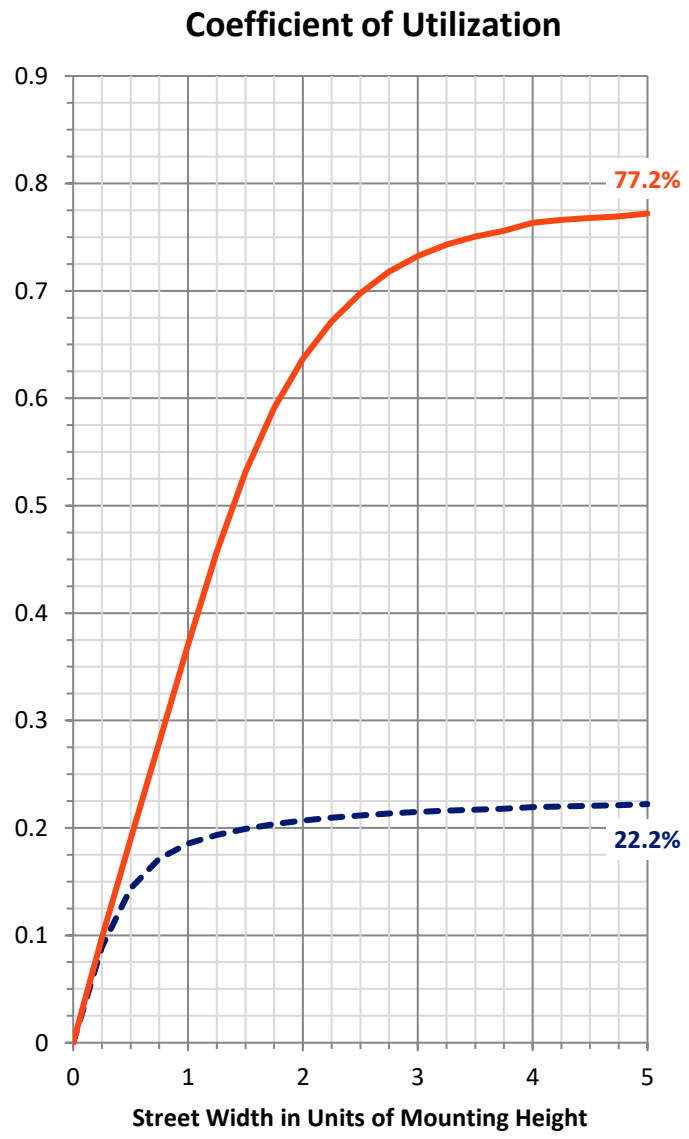
CATALOG NUMBER: SDL-PA1-100-750-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2324.1	0.0	2324.1
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	7954.9	0.0	7954.9
	% Fixture	77.4	0.0	77.4
Total	Lumens	10279.0	0.0	10279.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	1.0
10°-20°	248.2	2.4
20°-30°	453.6	4.4
30°-40°	856.6	8.3
40°-50°	1395.5	13.6
50°-60°	2152.8	20.9
60°-70°	2638.7	25.7
70°-80°	2066.5	20.1
80°-90°	368.0	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°	10279.0	100.0
0°-180°	10279.0	100.0



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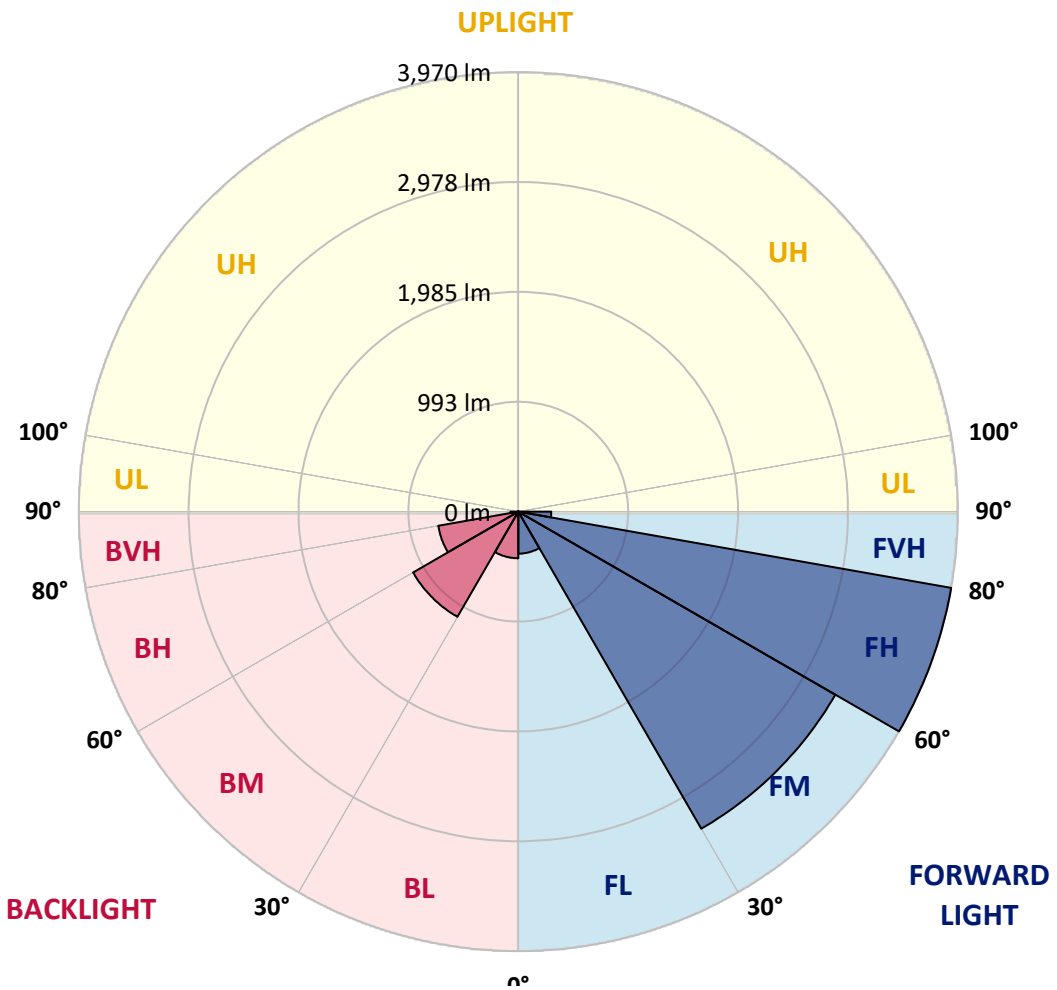
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	379.5	3.7			
FM	(30°-60°)	3307.0	32.2			
FH	(60°-80°)	3970.4	38.6			G2/5000
FVH	(80°-90°)	298.0	2.9			G3/500
BL	(0°-30°)	421.5	4.1	B1/500		
BM	(30°-60°)	1097.9	10.7	B2/2500		
BH	(60°-80°)	734.8	7.1	B2/1000		G2/1000
BVH	(80°-90°)	70.0	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Medium



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CATALOG NUMBER: SDL-PA1-100-750-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0
2.5°	1006.9	1097.0	1097.0	1097.0	1115.8	1130.8	1138.3	1142.1	1157.1	1168.4	1175.9
5°	939.2	943.0	943.0	943.0	946.7	950.5	954.3	958.0	965.5	969.3	980.6
7.5°	789.0	804.0	834.0	860.3	879.1	897.9	912.9	924.2	931.7	939.2	943.0
10°	879.1	879.1	879.1	879.1	879.1	879.1	834.0	789.0	792.7	792.7	770.2
12.5°	736.4	758.9	792.7	822.8	849.1	871.6	841.6	811.5	755.1	698.8	698.8
15°	852.8	852.8	849.1	845.3	796.5	747.6	702.5	657.5	687.5	717.6	665.0
17.5°	732.6	736.4	781.4	822.8	815.3	804.0	762.7	717.6	646.2	571.1	646.2
20°	939.2	928.0	905.4	882.9	777.7	672.5	691.3	710.1	728.8	743.9	743.9
22.5°	864.1	871.6	886.6	901.7	890.4	875.4	766.4	657.5	721.3	785.2	728.8
25°	1183.4	1183.4	1138.3	1093.3	980.6	864.1	882.9	897.9	789.0	676.2	770.2
27.5°	1093.3	1085.8	1067.0	1044.4	1067.0	1085.8	988.1	886.6	916.7	946.7	867.8
30°	1453.9	1453.9	1435.1	1416.4	1254.8	1089.5	1078.2	1063.2	999.3	931.7	976.8
32.5°	1743.2	1739.5	1653.0	1566.6	1476.5	1382.5	1284.9	1183.4	1175.9	1168.4	1160.9
35°	2088.8	2088.8	2040.0	1991.2	1792.1	1589.2	1472.7	1356.2	1322.4	1288.6	1314.9
37.5°	2284.2	2310.5	2291.7	2269.2	2051.3	1829.6	1668.1	1502.8	1469.0	1435.1	1446.4
40°	2554.7	2547.2	2543.4	2535.9	2284.2	2032.5	1859.7	1683.1	1660.6	1638.0	1638.0
42.5°	2964.2	2922.9	2877.8	2829.0	2573.5	2318.0	2126.4	1931.1	1889.7	1844.6	1848.4
45°	3527.7	3482.7	3377.5	3268.5	3009.3	2750.1	2494.6	2239.1	2167.7	2092.6	2085.1
47.5°	3873.4	3824.5	3771.9	3715.6	3437.6	3159.6	2896.6	2629.8	2524.7	2419.5	2378.1
50°	4230.3	4185.2	4143.9	4102.6	3858.4	3614.2	3351.2	3088.2	2922.9	2757.6	2686.2
52.5°	4568.4	4485.8	4444.4	4403.1	4196.5	3986.1	3711.8	3437.6	3313.6	3189.6	3035.6
55°	4733.7	4632.3	4617.3	4598.5	4444.4	4286.6	4023.7	3760.7	3621.7	3478.9	3324.9
57.5°	4500.8	4508.3	4591.0	4673.6	4587.2	4500.8	4252.8	4004.9	3865.9	3726.9	3610.4
60°	4290.4	4346.8	4448.2	4549.6	4557.1	4560.9	4429.4	4297.9	4143.9	3989.8	3899.7
62.5°	4001.1	4042.4	4200.2	4354.3	4470.7	4583.4	4448.2	4312.9	4260.3	4204.0	4147.6
65°	3610.4	3621.7	3802.0	3978.6	4189.0	4395.6	4290.4	4185.2	4275.4	4361.8	4369.3
67.5°	3133.3	3167.1	3343.7	3520.2	3775.7	4027.4	4023.7	4019.9	4211.5	4399.4	4530.8
70°	*2667.4*	*2667.4*	*2840.2*	*3013.1*	*3298.6*	*3584.1*	*3678.0*	*3771.9*	*4068.7*	*4365.5*	*4609.7*
72.5°	2010.0	2103.9	2194.0	2284.2	2603.5	2919.1	3125.8	3332.4	3775.7	4215.3	4587.2
75°	1108.3	1115.8	1194.7	1273.6	1592.9	1912.3	2224.1	2535.9	3129.5	3723.1	4309.2
77.5°	364.4	353.2	398.2	439.6	627.4	811.5	1074.5	1337.5	1991.2	2644.9	3587.9
80°	202.9	206.6	221.7	236.7	296.8	353.2	480.9	608.6	886.6	1160.9	2280.5
82.5°	135.2	139.0	154.0	169.1	195.4	221.7	293.0	360.7	387.0	409.5	1029.4
85°	86.4	90.2	97.7	105.2	112.7	116.5	165.3	214.1	195.4	176.6	308.1
87.5°	18.8	18.8	22.5	22.5	26.3	30.1	37.6	45.1	41.3	33.8	45.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	*1221.0*	1221.0	1221.0	1221.0	1221.0
2.5°	1179.7	1187.2	1190.9	1194.7	1198.5	1206.0	*1209.7*	1213.5	1221.0	1224.8	1224.8
5°	991.8	1059.5	1123.3	1145.9	1168.4	1179.7	*1187.2*	1198.5	1206.0	1213.5	1221.0
7.5°	946.7	950.5	954.3	980.6	1006.9	1029.4	*1051.9*	1059.5	1078.2	1067.0	1051.9
10°	743.9	747.6	747.6	773.9	800.2	879.1	*931.7*	943.0	954.3	909.2	860.3
12.5°	695.0	713.8	732.6	721.3	710.1	766.4	*804.0*	819.0	826.5	796.5	766.4
15°	608.6	627.4	642.4	728.8	815.3	890.4	*958.0*	976.8	999.3	950.5	897.9
17.5°	721.3	713.8	702.5	717.6	732.6	751.4	*789.0*	800.2	800.2	815.3	830.3
20°	743.9	661.2	578.6	732.6	886.6	954.3	*1040.7*	1070.7	1078.2	1036.9	995.6
22.5°	668.7	762.7	856.6	837.8	819.0	800.2	*800.2*	811.5	822.8	830.3	837.8
25°	860.3	781.4	702.5	882.9	1063.2	1134.6	*1175.9*	1194.7	1209.7	1157.1	1100.8
27.5°	789.0	894.1	995.6	1074.5	1153.4	1232.3	*1318.7*	1401.3	1299.9	1251.1	1202.2
30°	1018.1	1104.5	1190.9	1378.8	1566.6	1668.1	*1720.7*	1720.7	1720.7	1649.3	1574.1
32.5°	1153.4	1303.7	1453.9	1555.4	1653.0	1754.5	*1795.8*	1795.8	1795.8	1709.4	1619.2
35°	1337.5	1457.7	1577.9	1694.4	1810.8	1889.7	*1919.8*	1908.5	1886.0	1769.5	1653.0
37.5°	1457.7	1619.2	1780.8	1901.0	2017.5	2066.3	*2077.6*	2043.8	2010.0	1855.9	1698.1
40°	1638.0	1814.6	1987.4	2115.1	2242.9	2284.2	*2261.7*	2216.6	2156.5	1949.8	1743.2
42.5°	1848.4	2025.0	2201.6	2351.8	2498.4	2524.7	*2490.8*	2419.5	2314.3	2032.5	1747.0
45°	2077.6	2254.2	2427.0	2596.0	2765.1	2783.9	*2738.8*	2633.6	2479.6	2111.4	1743.2
47.5°	2333.0	2472.1	2611.1	2851.5	3091.9	3069.4	*3001.8*	2881.6	2678.7	2205.3	1728.2
50°	2614.8	2723.8	2829.0	3129.5	3430.1	3362.4	*3287.3*	3155.8	2889.1	2314.3	1735.7
52.5°	2877.8	2983.0	3088.2	3400.0	3708.1	3644.2	*3561.6*	3445.1	3103.2	2430.7	1754.5
55°	3170.8	3283.5	3396.3	3726.9	4057.5	3948.5	*3843.3*	3768.2	3313.6	2528.4	1743.2
57.5°	3490.2	3632.9	3775.7	4080.0	4380.6	4264.1	*4204.0*	4106.3	3546.5	2644.9	1743.2
60°	3809.5	3982.3	4155.2	4421.9	4688.6	4594.7	*4583.4*	4448.2	3764.4	2731.3	1694.4
62.5°	4091.3	4350.5	4609.7	4820.1	5026.8	4936.6	*4940.4*	4782.6	3967.3	2750.1	1529.1
65°	4376.8	4711.2	5041.8	5195.8	5349.9	5286.0	*5349.9*	5068.1	4102.6	2674.9	1247.3
67.5°	4658.6	5026.8	5394.9	5511.4	5627.9	5590.3	*5665.4*	5162.0	4072.5	2479.6	882.9
70°	*4853.9*	*5244.7*	*5635.4*	*5695.5*	*5755.6*	*5748.1*	*5774.4*	*5045.5*	*3869.6*	*2227.9*	*582.3*
72.5°	4959.1	5327.3	5691.7	5718.0	5740.6	5729.3	*5620.4*	4681.1	3505.2	1953.6	402.0
75°	4891.5	5248.4	5605.3	5552.7	5500.1	5394.9	*5030.5*	4031.2	2874.0	1585.4	296.8
77.5°	4530.8	4917.8	5304.8	5169.5	5030.5	4722.4	*4110.1*	3020.6	1998.7	1115.8	229.2
80°	3400.0	3877.1	4354.3	4192.7	4027.4	3377.5	*2502.1*	1690.6	1033.2	604.9	176.6
82.5°	1645.5	1912.3	2179.0	2137.7	2096.4	1551.6	*1082.0*	608.6	296.8	217.9	139.0
85°	435.8	646.2	856.6	819.0	781.4	413.3	*180.3*	157.8	116.5	109.0	97.7
87.5°	52.6	60.1	63.9	45.1	22.5	18.8	*18.8*	11.3	11.3	15.0	15.0
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°	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0	1221.0
2.5°	1232.3	1236.0	1236.0	1236.0	1236.0	1236.0	1206.0	1175.9	1168.4	1160.9	1145.9
5°	1187.2	1149.6	1123.3	1097.0	1097.0	1093.3	1104.5	1115.8	1123.3	1127.1	1130.8
7.5°	1055.7	1059.5	1082.0	1100.8	1119.6	1134.6	1145.9	1153.4	1145.9	1134.6	1089.5
10°	864.1	867.8	886.6	901.7	928.0	950.5	1014.4	1074.5	1145.9	1217.2	1236.0
12.5°	822.8	875.4	845.3	815.3	897.9	976.8	1059.5	1138.3	1194.7	1247.3	1209.7
15°	837.8	777.7	789.0	800.2	901.7	1003.1	943.0	879.1	1029.4	1179.7	1213.5
17.5°	834.0	834.0	890.4	946.7	852.8	755.1	894.1	1029.4	1089.5	1145.9	1100.8
20°	890.4	781.4	822.8	860.3	935.5	1006.9	946.7	886.6	909.2	931.7	1078.2
22.5°	928.0	1014.4	920.4	822.8	890.4	958.0	946.7	935.5	1003.1	1070.7	1033.2
25°	969.3	834.0	901.7	965.5	890.4	811.5	871.6	928.0	909.2	890.4	1006.9
27.5°	1112.0	1018.1	931.7	845.3	890.4	931.7	886.6	837.8	856.6	875.4	867.8
30°	1345.0	1112.0	1003.1	894.1	837.8	777.7	781.4	785.2	807.7	830.3	894.1
32.5°	1405.1	1190.9	1033.2	875.4	837.8	800.2	766.4	728.8	762.7	796.5	871.6
35°	1420.1	1183.4	1014.4	845.3	785.2	725.1	702.5	680.0	736.4	792.7	860.3
37.5°	1412.6	1123.3	943.0	762.7	717.6	672.5	661.2	646.2	683.8	717.6	766.4
40°	1393.8	1044.4	864.1	683.8	646.2	608.6	601.1	593.6	619.9	646.2	676.2
42.5°	1360.0	969.3	789.0	608.6	582.3	556.0	548.5	537.2	559.8	582.3	593.6
45°	1318.7	894.1	725.1	552.3	533.5	510.9	499.7	484.6	507.2	526.0	529.7
47.5°	1277.4	822.8	668.7	510.9	495.9	477.1	465.9	450.8	469.6	484.6	488.4
50°	1243.5	747.6	608.6	469.6	454.6	439.6	428.3	417.0	435.8	450.8	450.8
52.5°	1224.8	691.3	556.0	420.8	413.3	405.7	402.0	394.5	409.5	424.5	428.3
55°	1179.7	612.4	495.9	375.7	379.4	379.4	375.7	368.2	398.2	424.5	435.8
57.5°	1130.8	518.5	432.0	341.9	349.4	356.9	360.7	364.4	398.2	428.3	443.3
60°	1067.0	439.6	375.7	311.8	323.1	330.6	349.4	364.4	394.5	424.5	432.0
62.5°	954.3	375.7	330.6	285.5	300.6	315.6	338.1	360.7	383.2	405.7	405.7
65°	789.0	326.9	296.8	263.0	285.5	304.3	330.6	356.9	375.7	390.7	387.0
67.5°	589.8	293.0	270.5	244.2	270.5	293.0	315.6	338.1	360.7	383.2	375.7
70°	*424.5*	*263.0*	*248.0*	*229.2*	*251.7*	*274.3*	*296.8*	*319.3*	*341.9*	*364.4*	*360.7*
72.5°	323.1	240.4	225.4	210.4	232.9	251.7	278.0	304.3	326.9	349.4	341.9
75°	259.2	217.9	206.6	191.6	214.1	236.7	263.0	285.5	308.1	330.6	323.1
77.5°	214.1	195.4	184.1	172.8	191.6	210.4	236.7	263.0	285.5	304.3	296.8
80°	172.8	165.3	157.8	146.5	169.1	187.8	214.1	236.7	255.5	274.3	263.0
82.5°	135.2	131.5	127.7	120.2	139.0	157.8	184.1	210.4	225.4	240.4	232.9
85°	101.4	101.4	97.7	93.9	109.0	120.2	135.2	146.5	161.5	172.8	165.3
87.5°	15.0	15.0	22.5	26.3	26.3	26.3	37.6	48.8	48.8	45.1	37.6
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°	1221.0	1221.0	1221.0	1221.0
2.5°	1130.8	1130.8	1130.8	1134.6
5°	1134.6	1138.3	1138.3	1145.9
7.5°	1040.7	1036.9	1033.2	1033.2
10°	1251.1	1258.6	1262.3	1269.8
12.5°	1168.4	1123.3	1078.2	1078.2
15°	1247.3	1254.8	1258.6	1266.1
17.5°	1055.7	1051.9	1048.2	1040.7
20°	1221.0	1228.5	1232.3	1232.3
22.5°	995.6	995.6	991.8	991.8
25°	1123.3	1123.3	1123.3	1130.8
27.5°	856.6	882.9	909.2	943.0
30°	958.0	961.8	965.5	965.5
32.5°	946.7	995.6	1044.4	1051.9
35°	928.0	928.0	924.2	928.0
37.5°	815.3	804.0	789.0	796.5
40°	702.5	676.2	649.9	646.2
42.5°	604.9	582.3	556.0	556.0
45°	533.5	518.5	499.7	492.2
47.5°	488.4	473.4	458.3	454.6
50°	447.1	432.0	417.0	417.0
52.5°	432.0	420.8	405.7	402.0
55°	447.1	424.5	402.0	394.5
57.5°	454.6	428.3	402.0	390.7
60°	435.8	420.8	402.0	387.0
62.5°	402.0	394.5	387.0	379.4
65°	379.4	379.4	375.7	368.2
67.5°	368.2	371.9	371.9	364.4
70°	*353.2*	*360.7*	*364.4*	*356.9*
72.5°	334.4	338.1	338.1	326.9
75°	311.8	308.1	304.3	296.8
77.5°	285.5	281.8	274.3	266.7
80°	251.7	248.0	244.2	232.9
82.5°	221.7	229.2	232.9	191.6
85°	154.0	139.0	124.0	101.4
87.5°	30.1	22.5	11.3	11.3
90°	0.0	0.0	0.0	0.0

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