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: P559910

Luminaire Tested: **SDL-PA1-100-760-U-T4W-HSS**

Issue Date: 7/26/2021

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P559910
	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-PA1-100-760-U-T4W-HSS
Description:	Springdale
	(1) 70 CRI, 5700K, 1200mA 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:	7474.3 lumens
Efficiency:	N/A
Efficacy:	79.7 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:	B1 - 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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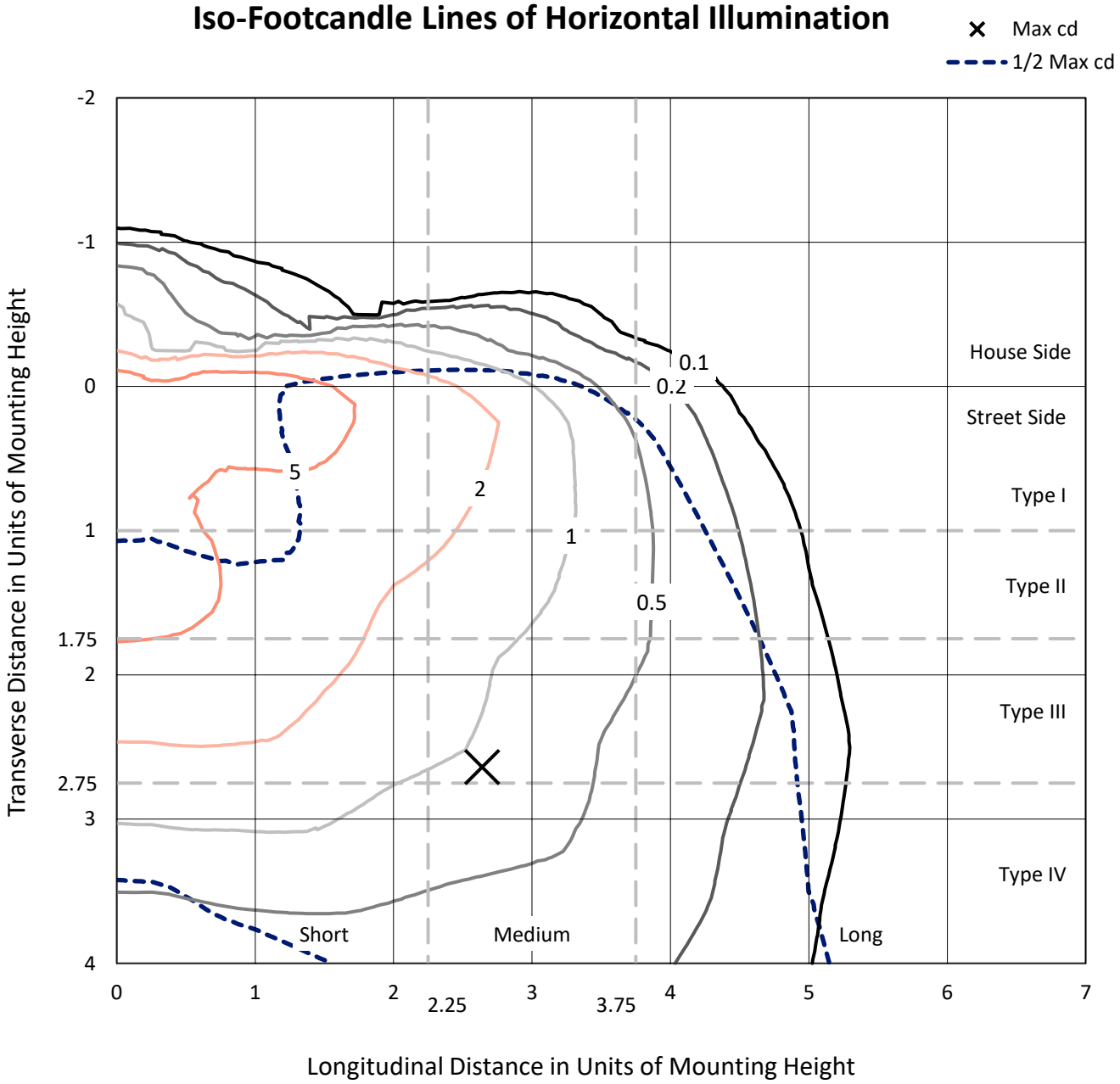
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
Type IV - Medium - N/A

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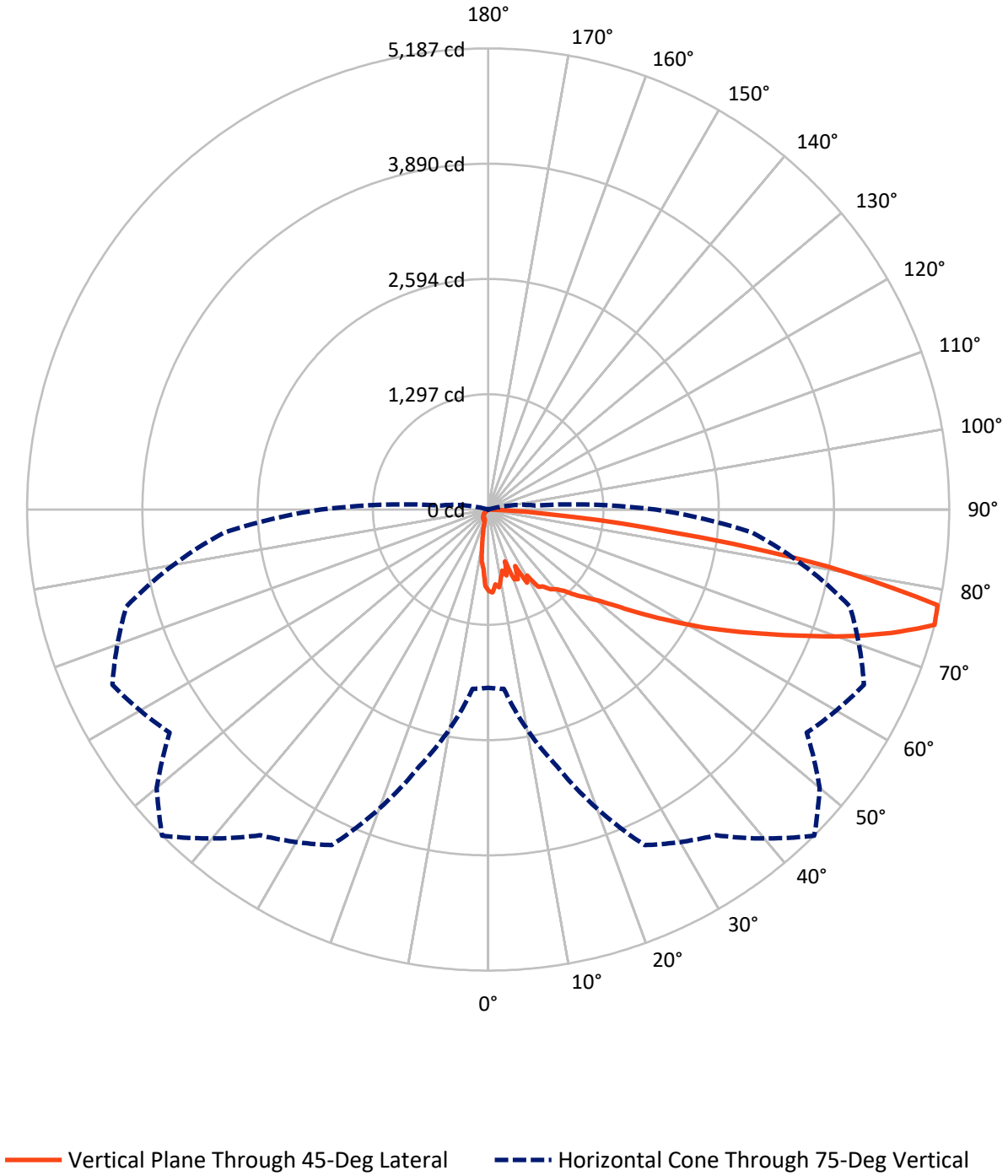
Luminous Intensity Polar Plot



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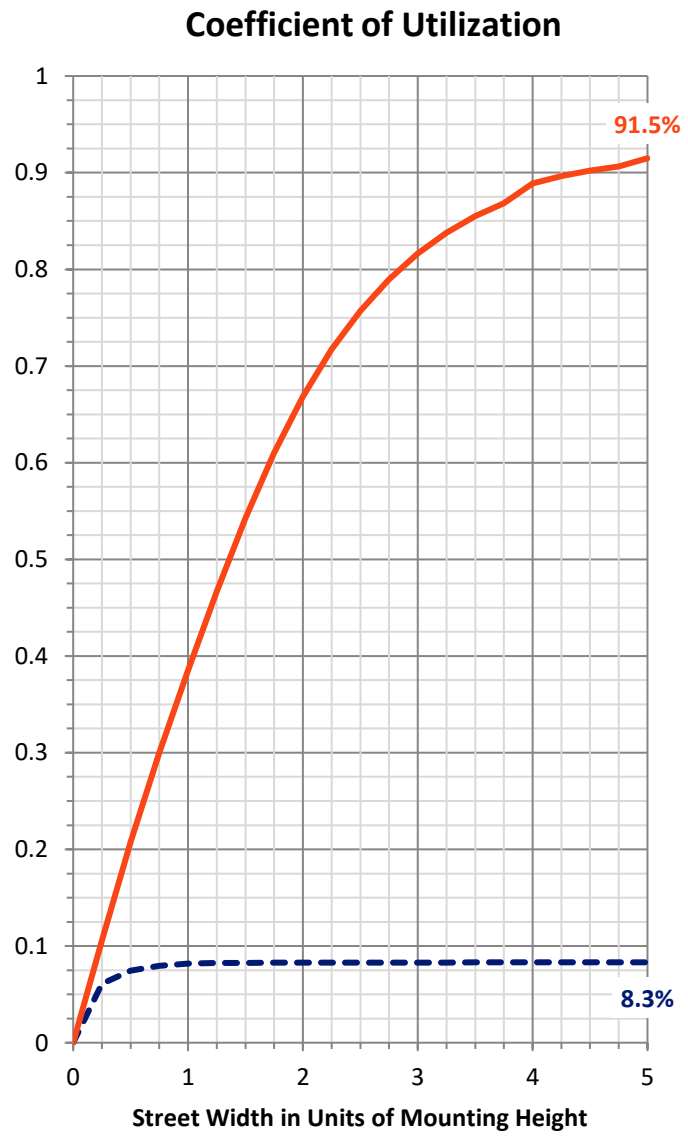
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	627.5	0.0	627.5
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	6846.8	0.0	6846.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	7474.3	0.0	7474.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	1.0
10°-20°	156.4	2.1
20°-30°	264.6	3.5
30°-40°	487.2	6.5
40°-50°	799.5	10.7
50°-60°	1423.0	19.0
60°-70°	2129.2	28.5
70°-80°	1895.7	25.4
80°-90°	247.6	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°	7474.3	100.0
0°-180°	7474.3	100.0



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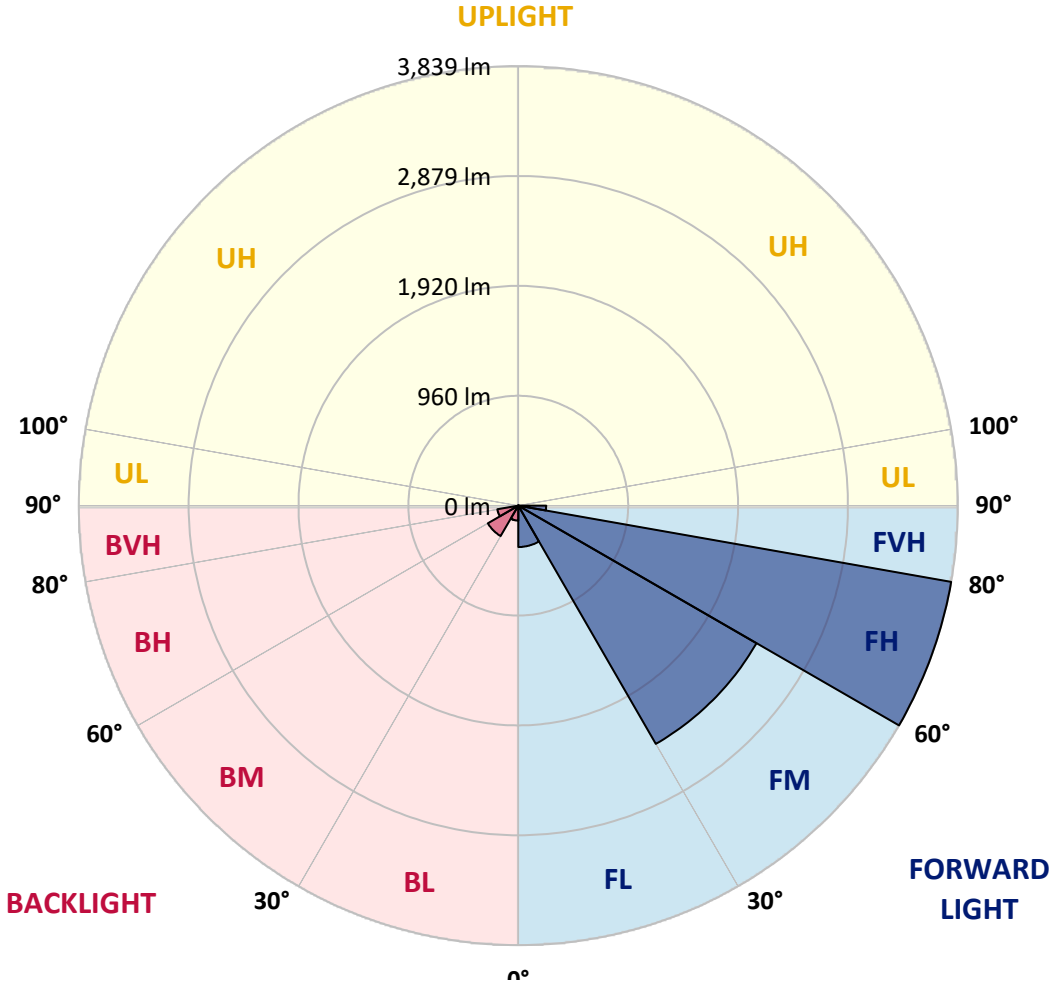
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	361.3	4.8			
FM	(30°-60°)	2402.7	32.1			
FH	(60°-80°)	3839.0	51.4			G2/5000
FVH	(80°-90°)	243.8	3.3			G3/500
BL	(0°-30°)	130.9	1.8	B1/500		
BM	(30°-60°)	307.0	4.1	B1/1000		
BH	(60°-80°)	185.8	2.5	B1/500		G1/500
BVH	(80°-90°)	3.8	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-G3
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5	*916.5*	916.5
2.5°	852.6	916.5	924.0	927.7	935.2	939.0	939.0	939.0	939.0	*935.2*	935.2
5°	901.4	897.7	893.9	890.2	886.4	878.9	871.4	860.1	852.6	*845.1*	837.6
7.5°	882.6	886.4	897.7	905.2	901.4	897.7	905.2	908.9	897.7	*882.6*	867.6
10°	1029.1	1021.6	1014.1	1006.6	995.3	984.1	893.9	803.8	796.3	*785.0*	777.5
12.5°	901.4	1014.1	1014.1	1014.1	1014.1	1014.1	954.0	893.9	800.0	*706.1*	597.2
15°	1126.8	1123.0	1108.0	1093.0	991.6	886.4	830.1	773.7	773.7	*770.0*	724.9
17.5°	935.2	935.2	1010.4	1081.7	1040.4	999.1	920.2	841.3	728.7	*612.2*	657.3
20°	1183.1	1183.1	1168.1	1153.1	980.3	807.5	815.0	822.6	830.1	*837.6*	694.9
22.5°	972.8	965.3	957.8	950.3	969.0	987.8	833.8	676.1	766.2	*852.6*	664.8
25°	1186.9	1198.1	1190.6	1179.4	1025.4	871.4	905.2	935.2	818.8	*702.4*	815.0
27.5°	1017.9	1006.6	991.6	972.8	984.1	995.3	924.0	848.8	890.2	*931.5*	747.4
30°	1247.0	1250.7	1243.2	1235.7	1089.2	942.7	939.0	931.5	897.7	*860.1*	841.3
32.5°	1543.7	1513.6	1408.5	1303.3	1213.2	1123.0	1051.7	980.3	1010.4	*1036.6*	935.2
35°	1686.4	1630.1	1585.0	1536.2	1385.9	1232.0	1145.6	1055.4	1059.2	*1062.9*	1021.6
37.5°	1825.4	1742.8	1686.4	1630.1	1449.8	1269.5	1175.6	1081.7	1111.8	*1138.1*	1093.0
40°	1874.2	1829.1	1795.3	1761.5	1570.0	1374.7	1265.8	1153.1	1168.1	*1179.4*	1164.3
42.5°	1998.2	1990.7	1971.9	1949.3	1720.2	1487.4	1355.9	1224.4	1239.5	*1250.7*	1243.2
45°	2294.9	2283.6	2283.6	2279.9	1983.1	1682.7	1509.9	1337.1	1352.1	*1367.2*	1359.7
47.5°	2678.0	2659.2	2636.7	2610.4	2294.9	1975.6	1727.7	1476.1	1476.1	*1476.1*	1487.4
50°	3079.9	3053.6	3004.8	2952.2	2632.9	2313.7	1998.2	1682.7	1648.9	*1611.3*	1652.6
52.5°	3496.8	3451.7	3369.1	3282.7	3001.0	2719.3	2362.5	2001.9	1900.5	*1795.3*	1847.9
55°	3722.1	3673.3	3617.0	3556.9	3327.8	3094.9	2730.6	2366.2	2208.5	*2047.0*	2103.3
57.5°	3906.2	3894.9	3868.6	3842.3	3665.8	3489.3	3125.0	2756.9	2542.8	*2328.7*	2377.5
60°	4157.8	4142.8	4154.1	4165.3	4030.1	3894.9	3549.4	3200.1	2925.9	*2647.9*	2632.9
62.5°	4345.6	4341.9	4398.2	4454.6	4383.2	4308.1	3921.2	3530.6	3263.9	*2993.5*	2918.4
65°	4172.9	4221.7	4432.0	4642.4	4631.1	4616.1	4255.5	3891.2	3628.2	*3361.6*	3263.9
67.5°	3808.5	3831.1	4142.8	4450.8	4586.0	4717.5	4462.1	4202.9	3996.3	*3786.0*	3605.7
70°	3466.7	3515.6	3789.8	4063.9	4413.2	4762.5	4559.7	4356.9	4315.6	*4270.5*	4037.6
72.5°	3136.2	3222.6	3478.0	3733.4	4199.2	4661.1	4540.9	4420.8	4582.3	*4743.8*	4465.8
75°	*2005.7*	*2024.5*	*2509.0*	*2989.7*	*3579.4*	*4165.3*	*4319.3*	*4473.3*	*4830.2*	*5187.0*	*4867.7*
77.5°	585.9	649.8	1014.1	1378.4	2054.5	2726.8	3252.7	3778.5	4473.3	*5168.2*	4777.6
80°	199.1	214.1	266.7	315.5	676.1	1036.6	1645.1	2249.8	3057.3	*3864.9*	3590.7
82.5°	97.7	101.4	127.7	150.2	229.1	308.0	619.7	927.7	1498.6	*2065.8*	2114.6
85°	30.0	30.0	45.1	60.1	97.7	135.2	232.9	326.8	518.3	*706.1*	597.2
87.5°	7.5	7.5	11.3	15.0	22.5	30.0	30.0	30.0	22.5	*15.0*	18.8
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°	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5
2.5°	939.0	939.0	939.0	935.2	927.7	924.0	916.5	908.9	901.4	897.7	890.2
5°	826.3	875.1	920.2	924.0	924.0	912.7	901.4	890.2	878.9	867.6	856.4
7.5°	848.8	822.6	796.3	800.0	803.8	800.0	792.5	773.7	758.7	728.7	694.9
10°	679.8	661.0	638.5	646.0	653.5	672.3	691.1	676.1	653.5	597.2	537.1
12.5°	668.6	664.8	657.3	601.0	540.9	570.9	597.2	582.2	559.6	503.3	443.2
15°	570.9	574.7	574.7	631.0	687.3	709.9	728.7	709.9	683.6	608.5	529.6
17.5°	736.2	698.6	661.0	638.5	612.2	619.7	627.2	544.6	570.9	522.1	469.5
20°	762.5	638.5	514.6	616.0	717.4	751.2	785.0	766.2	732.4	612.2	488.3
22.5°	694.9	739.9	785.0	721.1	657.3	616.0	570.9	552.1	529.6	477.0	424.4
25°	860.1	736.2	608.5	728.7	845.1	852.6	860.1	826.3	788.7	638.5	488.3
27.5°	770.0	811.3	848.8	875.1	901.4	935.2	969.0	931.5	841.3	664.8	484.5
30°	916.5	972.8	1029.1	1115.5	1201.9	1228.2	1250.7	1209.4	1138.1	841.3	540.9
32.5°	957.8	1070.4	1183.1	1216.9	1247.0	1280.8	1314.6	1280.8	1194.4	833.8	469.5
35°	1070.4	1149.3	1224.4	1277.0	1329.6	1359.7	1389.7	1367.2	1250.7	822.6	394.4
37.5°	1104.2	1209.4	1310.8	1370.9	1427.3	1453.6	1476.1	1476.1	1310.8	815.0	315.5
40°	1156.8	1288.3	1419.7	1476.1	1528.7	1570.0	1607.5	1622.6	1378.4	811.3	240.4
42.5°	1262.0	1378.4	1494.9	1585.0	1671.4	1731.5	1791.6	1802.9	1457.3	822.6	184.0
45°	1374.7	1498.6	1622.6	1742.8	1863.0	1949.3	2032.0	2024.5	1551.2	852.6	150.2
47.5°	1536.2	1652.6	1769.1	1971.9	2170.9	2253.6	2332.4	2279.9	1648.9	890.2	131.5
50°	1701.4	1844.2	1986.9	2246.1	2501.5	2576.6	2647.9	2539.0	1742.8	935.2	123.9
52.5°	1915.5	2084.6	2253.6	2550.3	2847.0	2914.6	2982.2	2760.6	1814.1	965.3	116.4
55°	2167.2	2385.0	2602.9	2884.6	3162.5	3241.4	3320.3	2978.5	1847.9	980.3	112.7
57.5°	2471.4	2723.1	2971.0	3230.1	3485.5	3594.4	3699.6	3192.6	1863.0	984.1	105.2
60°	2768.1	3046.1	3324.0	3545.6	3767.2	3936.2	4101.5	3402.9	1855.4	976.5	93.9
62.5°	3042.3	3350.3	3654.5	3861.1	4067.7	4270.5	4473.3	3571.9	1806.6	942.7	75.1
65°	3327.8	3654.5	3977.6	4157.8	4338.1	4601.0	4860.2	3718.4	1739.0	897.7	52.6
67.5°	3586.9	3898.7	4210.4	4413.2	4616.1	4875.2	5130.6	3756.0	1641.4	841.3	37.6
70°	3804.8	4142.8	4477.1	4683.7	4890.2	5021.7	5149.4	3590.7	1446.0	736.2	26.3
72.5°	4105.3	4409.5	4710.0	4815.1	4916.5	4687.4	4454.6	2993.5	1085.5	555.9	22.5
75°	*4375.7*	*4522.2*	*4664.9*	*4439.5*	*4214.2*	*3598.2*	*2982.2*	*1885.5*	*529.6*	*277.9*	*22.5*
77.5°	4101.5	4022.6	3943.7	3252.7	2557.8	1900.5	1239.5	739.9	165.3	90.1	15.0
80°	2971.0	2610.4	2246.1	1555.0	860.1	574.7	285.5	165.3	41.3	26.3	11.3
82.5°	1600.0	1235.7	867.6	559.6	251.6	169.0	82.6	56.3	18.8	15.0	7.5
85°	578.4	458.2	334.3	259.2	184.0	108.9	30.0	18.8	11.3	11.3	7.5
87.5°	52.6	60.1	67.6	52.6	33.8	22.5	7.5	7.5	7.5	7.5	3.8
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°	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5
2.5°	886.4	882.6	878.9	871.4	867.6	863.9	837.6	811.3	781.2	751.2	751.2
5°	807.5	758.7	732.4	706.1	687.3	668.6	664.8	657.3	649.8	642.3	638.5
7.5°	676.1	657.3	642.3	627.2	608.5	589.7	570.9	552.1	537.1	522.1	488.3
10°	507.1	477.0	454.5	431.9	420.7	405.6	383.1	356.8	356.8	356.8	353.1
12.5°	439.4	435.7	379.4	319.3	300.5	281.7	277.9	274.2	266.7	255.4	240.4
15°	435.7	338.0	289.2	236.6	225.4	210.3	187.8	161.5	157.7	150.2	169.0
17.5°	394.4	319.3	262.9	206.6	165.3	123.9	131.5	135.2	154.0	169.0	180.3
20°	356.8	225.4	187.8	146.5	135.2	120.2	127.7	135.2	131.5	123.9	142.7
22.5°	334.3	240.4	176.5	112.7	120.2	127.7	120.2	108.9	127.7	146.5	157.7
25°	323.0	154.0	139.0	120.2	112.7	105.2	120.2	131.5	123.9	116.4	139.0
27.5°	319.3	154.0	131.5	105.2	112.7	120.2	116.4	108.9	123.9	135.2	131.5
30°	341.8	139.0	123.9	108.9	105.2	101.4	108.9	116.4	116.4	112.7	131.5
32.5°	304.2	139.0	123.9	105.2	105.2	101.4	101.4	101.4	112.7	123.9	131.5
35°	262.9	127.7	116.4	101.4	97.7	93.9	97.7	97.7	108.9	116.4	131.5
37.5°	217.8	120.2	108.9	93.9	90.1	86.4	86.4	82.6	93.9	105.2	116.4
40°	176.5	112.7	101.4	86.4	82.6	78.9	78.9	78.9	86.4	90.1	97.7
42.5°	146.5	105.2	93.9	78.9	75.1	71.4	71.4	67.6	71.4	75.1	78.9
45°	127.7	101.4	90.1	75.1	71.4	63.9	60.1	56.3	56.3	56.3	56.3
47.5°	112.7	93.9	86.4	75.1	67.6	56.3	52.6	45.1	41.3	37.6	33.8
50°	105.2	86.4	78.9	67.6	60.1	48.8	41.3	33.8	30.0	22.5	22.5
52.5°	97.7	78.9	71.4	60.1	48.8	37.6	30.0	18.8	18.8	15.0	15.0
55°	93.9	75.1	63.9	52.6	41.3	26.3	18.8	11.3	11.3	7.5	7.5
57.5°	90.1	71.4	60.1	45.1	30.0	15.0	11.3	7.5	7.5	7.5	7.5
60°	78.9	63.9	48.8	30.0	18.8	7.5	7.5	3.8	7.5	7.5	7.5
62.5°	63.9	48.8	33.8	18.8	11.3	3.8	3.8	3.8	7.5	7.5	7.5
65°	45.1	33.8	22.5	11.3	7.5	3.8	3.8	3.8	3.8	3.8	3.8
67.5°	33.8	26.3	18.8	7.5	7.5	3.8	3.8	3.8	3.8	3.8	3.8
70°	22.5	18.8	15.0	7.5	7.5	3.8	3.8	3.8	3.8	3.8	3.8
72.5°	18.8	15.0	11.3	3.8	3.8	0.0	3.8	3.8	3.8	3.8	3.8
75°	*18.8*	*15.0*	*11.3*	*3.8*	*3.8*	*0.0*	*3.8*	*3.8*	*3.8*	*3.8*	*3.8*
77.5°	15.0	11.3	7.5	3.8	3.8	0.0	3.8	7.5	7.5	7.5	7.5
80°	11.3	7.5	7.5	3.8	3.8	0.0	3.8	7.5	7.5	7.5	7.5
82.5°	7.5	7.5	7.5	3.8	3.8	0.0	7.5	11.3	11.3	7.5	7.5
85°	7.5	3.8	3.8	3.8	3.8	3.8	7.5	11.3	11.3	11.3	7.5
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	7.5	11.3	11.3	11.3	7.5
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°	916.5	916.5	916.5	916.5
2.5°	747.4	747.4	743.7	743.7
5°	631.0	631.0	627.2	627.2
7.5°	454.5	447.0	435.7	439.4
10°	349.3	341.8	334.3	341.8
12.5°	225.4	229.1	229.1	217.8
15°	184.0	199.1	210.3	210.3
17.5°	191.6	191.6	187.8	187.8
20°	161.5	176.5	191.6	191.6
22.5°	165.3	157.7	150.2	150.2
25°	157.7	169.0	176.5	176.5
27.5°	127.7	131.5	135.2	135.2
30°	146.5	154.0	157.7	157.7
32.5°	139.0	146.5	150.2	154.0
35°	142.7	150.2	154.0	154.0
37.5°	127.7	131.5	135.2	135.2
40°	101.4	105.2	108.9	108.9
42.5°	78.9	78.9	75.1	78.9
45°	52.6	52.6	48.8	52.6
47.5°	30.0	30.0	30.0	30.0
50°	18.8	18.8	18.8	18.8
52.5°	11.3	11.3	11.3	11.3
55°	7.5	7.5	7.5	7.5
57.5°	7.5	7.5	3.8	3.8
60°	3.8	3.8	3.8	3.8
62.5°	3.8	3.8	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°	*3.8*	*3.8*	*0.0*	*0.0*
77.5°	3.8	3.8	0.0	0.0
80°	3.8	3.8	0.0	0.0
82.5°	3.8	3.8	0.0	0.0
85°	3.8	3.8	3.8	0.0
87.5°	3.8	3.8	3.8	0.0
90°	0.0	0.0	0.0	0.0

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