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: P561297

Luminaire Tested: **SDL-PA1-90-750-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P561297
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-90-750-U-T4W
Description:	Springdale
	(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10170.7 lumens
Efficiency:	N/A
Efficacy:	110.1 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):	92.4
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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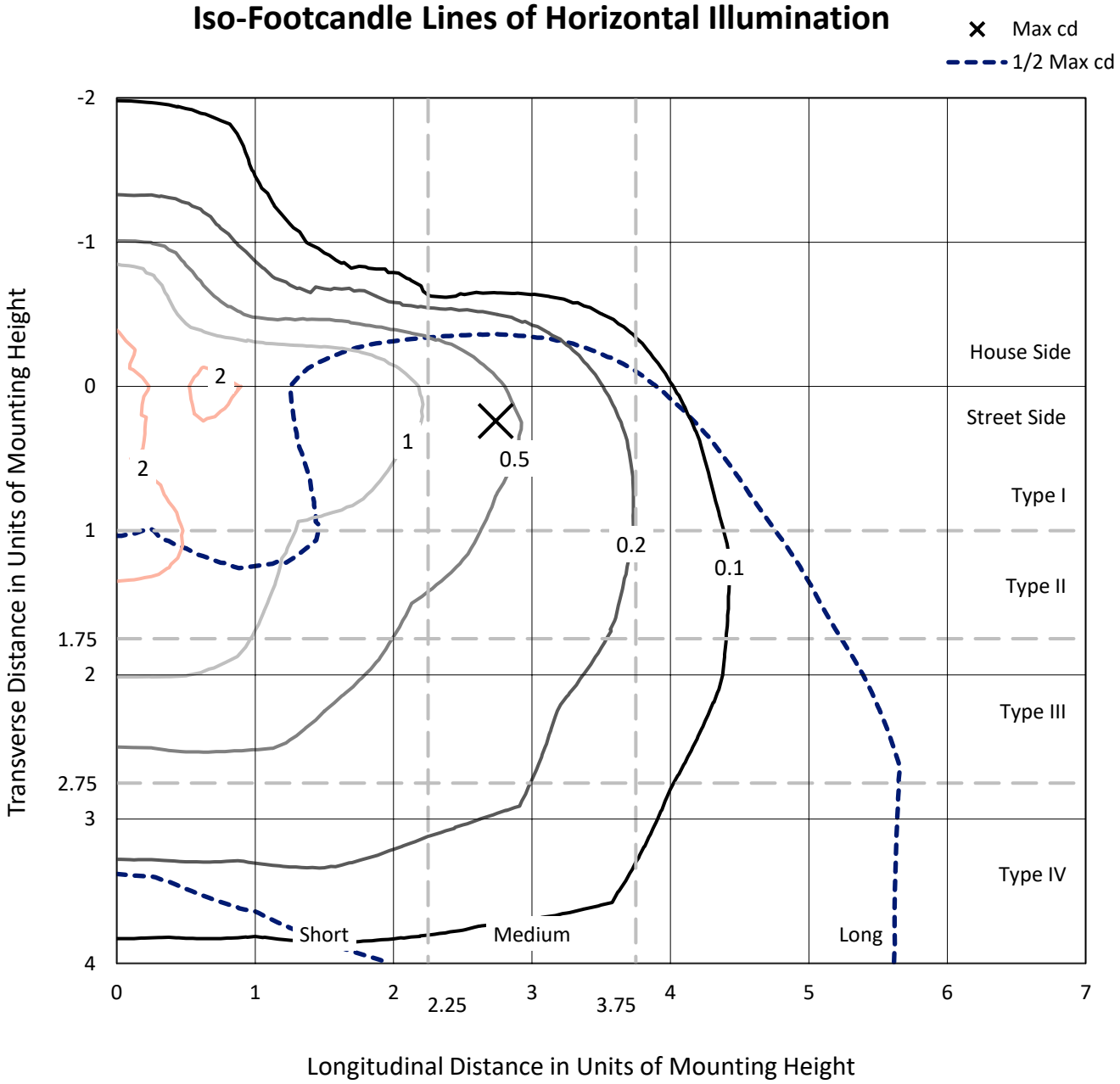
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 3 fc
Type IV - Medium - N/A

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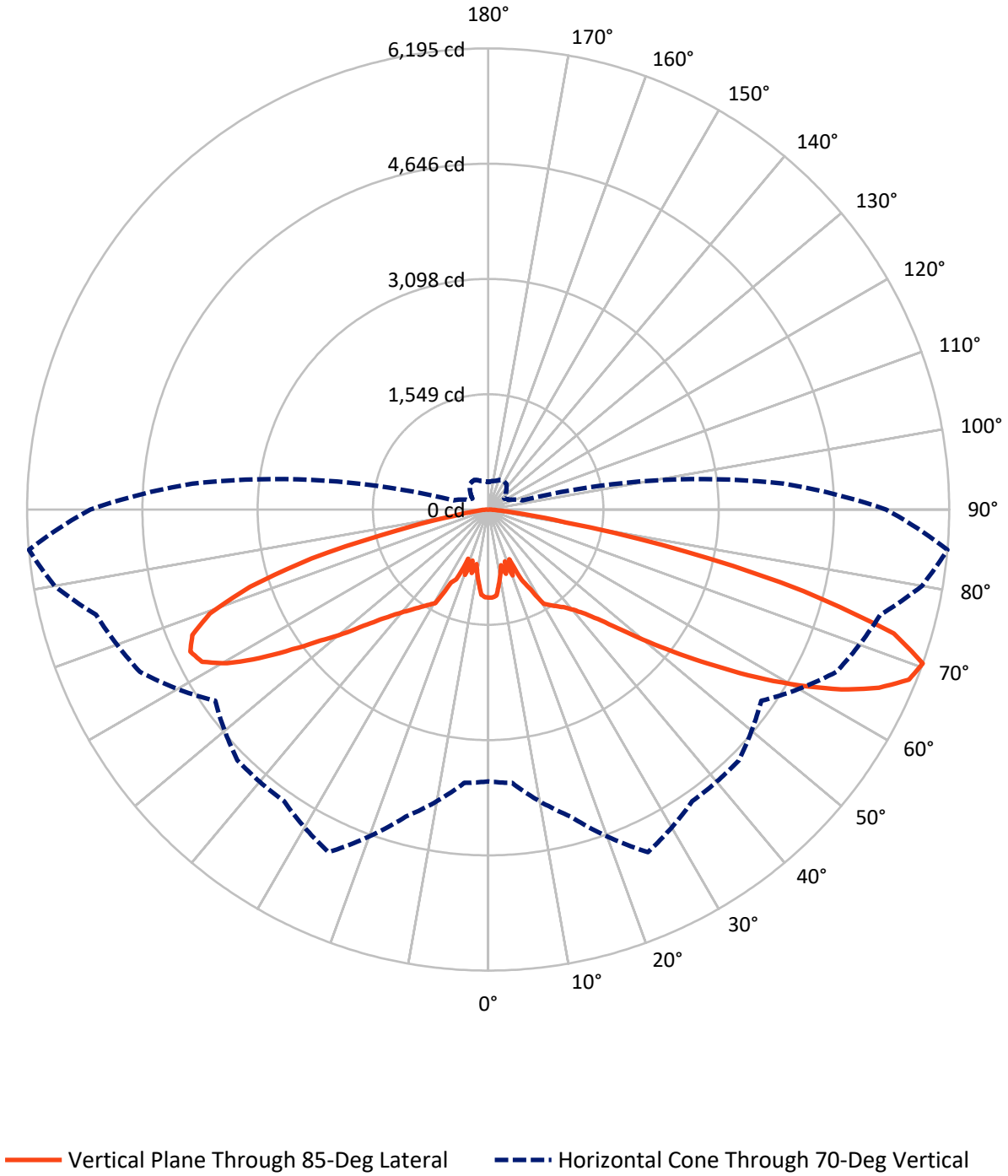
Luminous Intensity Polar Plot



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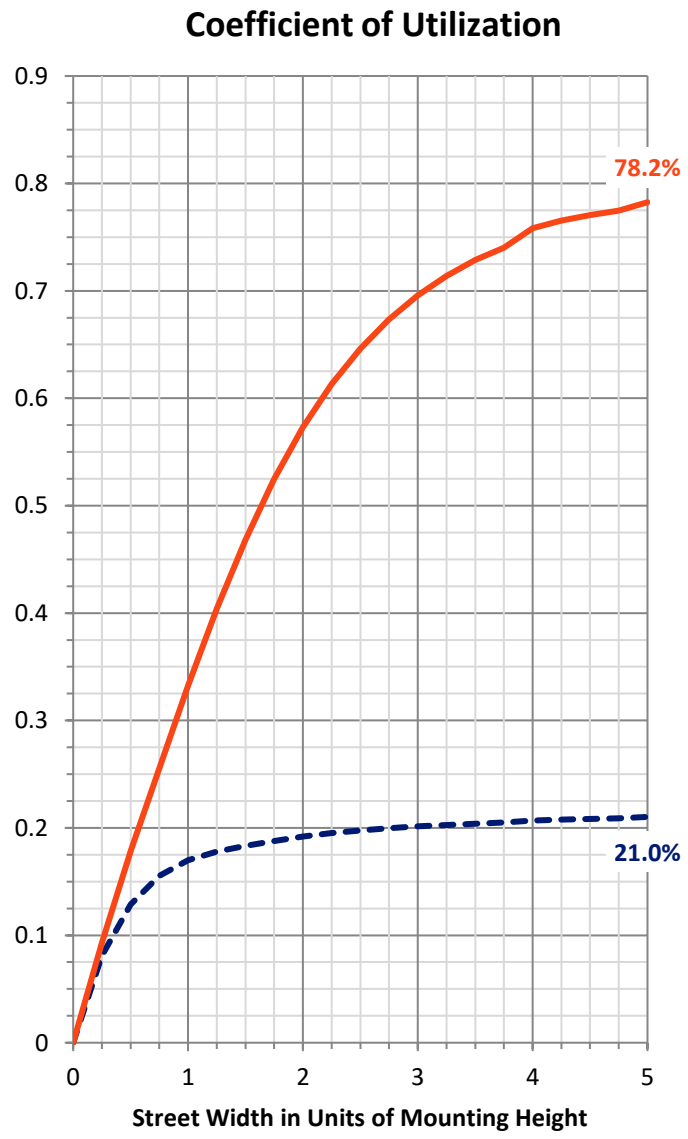
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2186.8	0.0	2186.8
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	7983.9	0.0	7983.9
	% Fixture	78.5	0.0	78.5
Total	Lumens	10170.7	0.0	10170.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	1.0
10°-20°	247.5	2.4
20°-30°	432.7	4.3
30°-40°	762.2	7.5
40°-50°	1149.8	11.3
50°-60°	1829.0	18.0
60°-70°	2682.0	26.4
70°-80°	2515.0	24.7
80°-90°	454.1	4.5
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°	10170.7	100.0
0°-180°	10170.7	100.0



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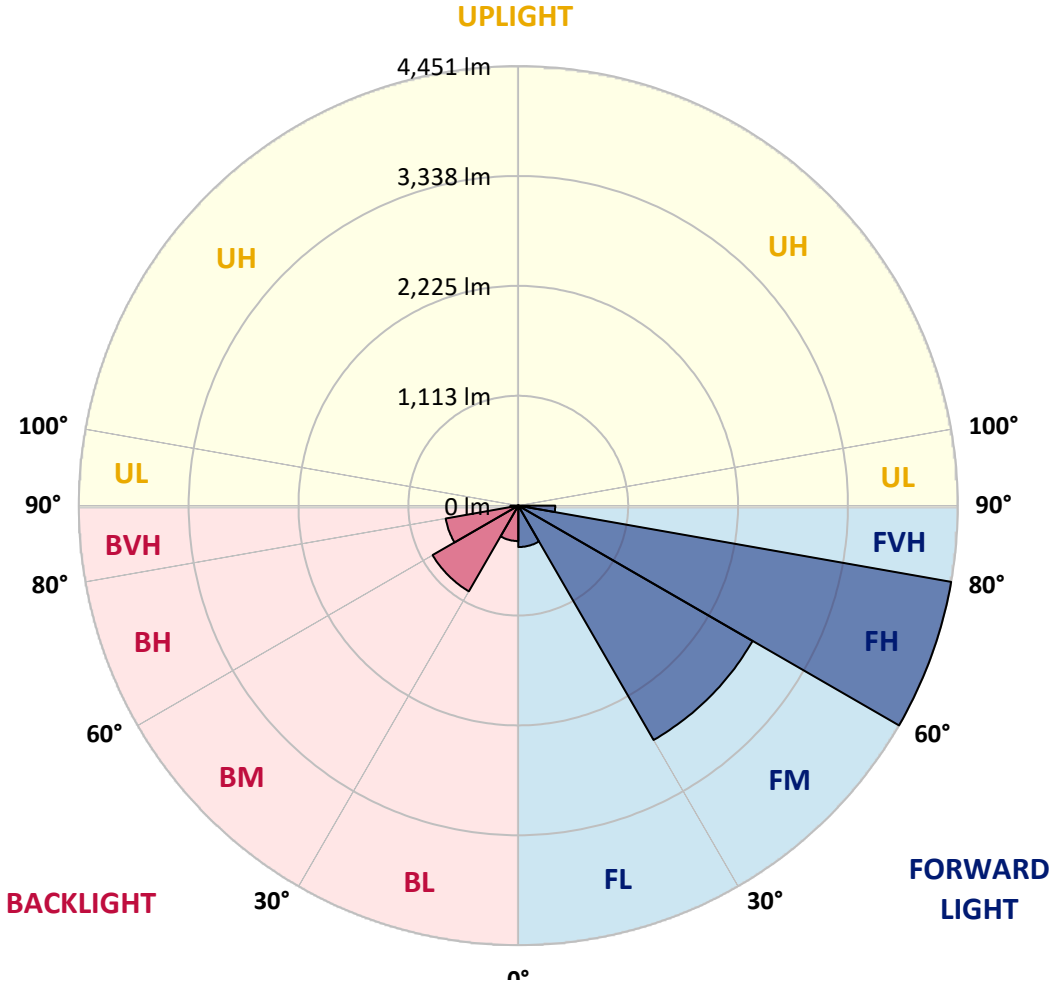
CATALOG NUMBER: SDL-PA1-90-750-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	419.4	4.1			
FM	(30°-60°)	2740.0	26.9			
FH	(60°-80°)	4450.6	43.8			G2/5000
FVH	(80°-90°)	373.9	3.7			G3/500
BL	(0°-30°)	359.1	3.5	B1/500		
BM	(30°-60°)	1001.0	9.8	B2/2500		
BH	(60°-80°)	746.5	7.3	B2/1000		G2/1000
BVH	(80°-90°)	80.2	0.8			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-PA1-90-750-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7
2.5°	1073.8	1118.9	1141.4	1163.9	1171.4	1178.9	1178.9	1175.2	1175.2	1175.2	1182.7
5°	1092.6	1088.8	1088.8	1088.8	1085.1	1081.3	1077.6	1070.0	1066.3	1058.8	1055.0
7.5°	1002.5	1077.6	1081.3	1085.1	1085.1	1081.3	1088.8	1096.3	1088.8	1077.6	1062.5
10°	1190.2	1186.4	1178.9	1171.4	1160.2	1148.9	1062.5	972.4	979.9	987.4	916.1
12.5°	1032.5	1103.8	1133.9	1163.9	1167.7	1167.7	1107.6	1043.8	961.2	878.6	844.8
15°	1261.5	1254.0	1239.0	1224.0	1122.6	1017.5	957.4	897.3	897.3	897.3	796.0
17.5°	1062.5	1058.8	1126.4	1193.9	1156.4	1118.9	1032.5	946.1	818.5	687.1	769.7
20°	1302.8	1302.8	1284.1	1265.3	1092.6	916.1	927.4	934.9	938.6	938.6	901.1
22.5°	1092.6	1085.1	1092.6	1096.3	1096.3	1096.3	938.6	780.9	867.3	949.9	863.5
25°	1302.8	1306.6	1302.8	1299.1	1141.4	979.9	1006.2	1032.5	912.4	788.5	871.1
27.5°	1137.6	1133.9	1115.1	1096.3	1100.1	1103.8	1021.2	934.9	983.7	1032.5	946.1
30°	1392.9	1396.7	1385.4	1370.4	1212.7	1055.0	1047.5	1036.3	1002.5	968.7	998.7
32.5°	1682.0	1682.0	1565.6	1449.3	1351.6	1250.3	1167.7	1085.1	1118.9	1152.6	1115.1
35°	1836.0	1828.5	1790.9	1749.6	1569.4	1385.4	1272.8	1156.4	1167.7	1175.2	1175.2
37.5°	2110.1	2106.3	2053.7	2001.2	1757.1	1509.3	1362.9	1212.7	1235.2	1254.0	1227.7
40°	2451.7	2451.7	2410.4	2365.4	2053.7	1738.4	1531.9	1325.4	1321.6	1314.1	1284.1
42.5°	2782.1	2793.4	2767.1	2740.8	2376.6	2012.4	1742.1	1471.8	1438.0	1404.2	1374.2
45°	2999.9	3014.9	3037.4	3060.0	2699.5	2339.1	2023.7	1704.6	1640.7	1573.2	1520.6
47.5°	3221.4	3198.9	3228.9	3258.9	2951.1	2643.2	2297.8	1952.4	1847.2	1742.1	1685.8
50°	3427.9	3420.4	3431.7	3442.9	3191.4	2939.8	2583.1	2226.4	2098.8	1967.4	1903.6
52.5°	3698.2	3671.9	3656.9	3641.9	3427.9	3213.9	2876.0	2534.3	2384.1	2230.2	2155.1
55°	3957.3	3946.0	3923.5	3897.2	3713.2	3529.3	3172.6	2815.9	2658.2	2500.5	2414.2
57.5°	4223.9	4216.3	4212.6	4208.8	4047.4	3886.0	3521.8	3153.8	2973.6	2789.6	2718.3
60°	4475.4	4479.2	4509.2	4535.5	4411.6	4287.7	3919.7	3551.8	3322.8	3090.0	3018.7
62.5°	4625.6	4636.9	4711.9	4783.3	4715.7	4648.1	4268.9	3886.0	3645.7	3401.6	3352.8
65°	4434.1	4490.4	4708.2	4926.0	4926.0	4926.0	4580.5	4231.4	4021.1	3810.9	3769.6
67.5°	4006.1	4062.4	4374.0	4681.9	4843.4	5004.8	4779.5	4554.3	4411.6	4265.2	4212.6
70°	*3653.2*	*3687.0*	*3979.8*	*4268.9*	*4674.4*	*5079.9*	*4933.5*	*4783.3*	*4775.8*	*4764.5*	*4621.8*
72.5°	3356.6	3431.7	3671.9	3908.5	4467.9	5027.3	5023.6	5019.8	5173.8	5327.7	5053.6
75°	2684.5	2677.0	2902.3	3127.5	3758.3	4385.3	4738.2	5087.4	5530.4	5969.7	5549.2
77.5°	1197.7	1280.3	1494.3	1708.3	2275.3	2838.4	3518.0	4197.6	5173.8	6146.2	5718.2
80°	341.7	360.4	420.5	476.8	743.4	1006.2	1719.6	2429.2	3656.9	4880.9	4591.8
82.5°	180.2	187.7	225.3	259.1	334.2	405.5	675.8	942.4	1997.4	3048.7	2785.9
85°	86.4	78.8	101.4	120.1	161.4	202.7	311.6	420.5	773.4	1126.4	972.4
87.5°	18.8	18.8	22.5	22.5	33.8	45.1	67.6	90.1	86.4	78.8	93.9
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°	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	*1182.7*	1182.7	1182.7	1182.7	1182.7
2.5°	1186.4	1190.2	1193.9	1190.2	1186.4	1182.7	*1182.7*	1178.9	1178.9	1175.2	1167.7
5°	1051.3	1103.8	1156.4	1160.2	1163.9	1163.9	*1160.2*	1156.4	1148.9	1145.1	1137.6
7.5°	1047.5	1028.7	1010.0	1013.7	1017.5	1021.2	*1021.2*	1010.0	1006.2	976.2	946.1
10°	841.0	822.2	803.5	814.7	826.0	867.3	*889.8*	882.3	874.8	822.2	765.9
12.5°	811.0	803.5	796.0	739.6	683.3	732.1	*765.9*	762.2	750.9	702.1	653.3
15°	694.6	698.3	698.3	762.2	826.0	867.3	*897.3*	889.8	882.3	822.2	762.2
17.5°	848.5	807.2	762.2	750.9	739.6	758.4	*732.1*	690.8	717.1	709.6	702.1
20°	859.8	758.4	653.3	758.4	863.5	889.8	*946.1*	942.4	931.1	878.6	826.0
22.5°	777.2	837.3	893.6	837.3	780.9	743.4	*724.6*	717.1	713.4	728.4	739.6
25°	953.7	841.0	724.6	863.5	998.7	1028.7	*1043.8*	1032.5	1028.7	961.2	893.6
27.5°	856.0	916.1	976.2	1021.2	1066.3	1103.8	*1216.5*	1107.6	1103.8	1040.0	972.4
30°	1025.0	1088.8	1152.6	1269.0	1385.4	1449.3	*1471.8*	1464.3	1445.5	1344.1	1242.8
32.5°	1077.6	1205.2	1329.1	1381.7	1430.5	1498.1	*1531.9*	1528.1	1509.3	1389.2	1265.3
35°	1175.2	1269.0	1362.9	1434.2	1501.8	1565.6	*1595.7*	1606.9	1584.4	1434.2	1280.3
37.5°	1201.5	1321.6	1441.7	1516.8	1591.9	1640.7	*1667.0*	1700.8	1674.5	1494.3	1310.3
40°	1254.0	1396.7	1535.6	1610.7	1682.0	1727.1	*1772.1*	1813.4	1779.7	1561.9	1340.4
42.5°	1340.4	1486.8	1629.5	1715.8	1798.4	1862.3	*1914.8*	1971.1	1907.3	1625.7	1340.4
45°	1468.0	1603.2	1738.4	1854.7	1967.4	2046.2	*2121.3*	2200.2	2072.5	1708.3	1340.4
47.5°	1629.5	1760.9	1888.5	2072.5	2256.5	2327.8	*2417.9*	2493.0	2286.5	1813.4	1340.4
50°	1836.0	1982.4	2128.8	2372.9	2613.2	2680.7	*2793.4*	2849.7	2571.9	1974.9	1374.2
52.5°	2076.3	2237.7	2395.4	2680.7	2966.1	3078.7	*3228.9*	3266.5	2861.0	2136.3	1408.0
55°	2327.8	2545.6	2759.6	3075.0	3386.6	3495.5	*3709.5*	3739.5	3232.7	2335.3	1434.2
57.5°	2647.0	2902.3	3153.8	3461.7	3765.8	3919.7	*4253.9*	4265.2	3664.4	2579.4	1490.6
60°	2947.3	3266.5	3581.8	3874.7	4167.5	4407.8	*4794.5*	4798.3	4069.9	2763.3	1453.0
62.5°	3304.0	3683.2	4058.7	4310.2	4561.8	4858.4	*5323.9*	5256.4	4355.3	2785.9	1216.5
65°	3724.5	4115.0	4505.4	4719.5	4929.7	5267.6	*5770.7*	5511.7	4434.1	2658.2	878.6
67.5°	4156.3	4520.5	4884.7	5053.6	5222.6	5650.6	*6097.4*	5541.7	4317.7	2466.7	612.0
70°	*4479.2*	*4820.8*	*5162.5*	*5308.9*	*5455.3*	*5917.2*	*6195.0*	*5346.5*	*3991.1*	*2234.0*	*476.8*
72.5°	4775.8	5098.7	5417.8	5492.9	5564.2	5800.8	*5699.4*	4711.9	3364.1	1881.0	394.2
75°	5128.7	5335.2	5537.9	5402.8	5267.6	4948.5	*4374.0*	3435.4	2463.0	1400.4	337.9
77.5°	5290.1	5241.3	5188.8	4727.0	4265.2	3409.1	*2718.3*	1986.2	1250.3	769.7	289.1
80°	4302.7	4107.5	3908.5	3135.0	2361.6	1614.5	*1058.8*	672.1	458.1	345.4	232.8
82.5°	2519.3	2065.0	1610.7	1182.7	754.7	529.4	*345.4*	274.1	214.0	202.7	187.7
85°	814.7	720.9	627.0	495.6	364.2	225.3	*131.4*	120.1	112.6	123.9	131.4
87.5°	108.9	108.9	105.1	78.8	48.8	26.3	*15.0*	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°	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7
2.5°	1167.7	1163.9	1160.2	1156.4	1152.6	1145.1	1115.1	1085.1	1073.8	1058.8	1047.5
5°	1100.1	1062.5	1036.3	1010.0	998.7	983.7	987.4	991.2	995.0	995.0	995.0
7.5°	953.7	961.2	964.9	964.9	976.2	983.7	991.2	995.0	979.9	964.9	946.1
10°	758.4	747.2	762.2	773.4	792.2	807.2	856.0	904.8	949.9	995.0	1013.7
12.5°	690.8	728.4	698.3	668.3	728.4	784.7	852.3	919.9	961.2	998.7	964.9
15°	702.1	638.3	645.8	649.5	724.6	796.0	754.7	713.4	829.8	942.4	976.2
17.5°	690.8	679.6	720.9	758.4	687.1	615.7	717.1	814.7	867.3	919.9	904.8
20°	747.2	664.6	664.6	664.6	728.4	792.2	743.4	694.6	750.9	807.2	901.1
22.5°	773.4	803.5	743.4	679.6	720.9	762.2	762.2	758.4	822.2	882.3	867.3
25°	780.9	668.3	720.9	769.7	743.4	713.4	747.2	777.2	796.0	814.7	897.3
27.5°	893.6	814.7	754.7	690.8	739.6	788.5	777.2	765.9	780.9	796.0	814.7
30°	1058.8	874.8	807.2	735.9	709.6	679.6	713.4	743.4	799.7	856.0	931.1
32.5°	1107.6	946.1	837.3	724.6	720.9	713.4	724.6	732.1	796.0	856.0	961.2
35°	1100.1	916.1	811.0	702.1	679.6	657.0	675.8	690.8	784.7	878.6	979.9
37.5°	1092.6	871.1	762.2	653.3	638.3	619.5	638.3	657.0	728.4	799.7	893.6
40°	1081.3	818.5	713.4	604.5	585.7	566.9	585.7	600.7	657.0	713.4	788.5
42.5°	1055.0	765.9	660.8	551.9	536.9	518.1	533.1	548.2	597.0	645.8	690.8
45°	1025.0	705.9	604.5	503.1	488.1	473.1	484.3	491.8	536.9	578.2	600.7
47.5°	991.2	642.0	548.2	454.3	439.3	424.3	435.5	443.0	476.8	510.6	518.1
50°	983.7	589.5	503.1	413.0	401.7	386.7	394.2	401.7	428.0	450.5	450.5
52.5°	968.7	525.6	454.3	379.2	371.7	360.4	364.2	367.9	386.7	405.5	401.7
55°	957.4	480.6	416.8	352.9	345.4	334.2	337.9	341.7	360.4	375.5	371.7
57.5°	968.7	443.0	386.7	326.6	319.1	311.6	319.1	326.6	345.4	364.2	364.2
60°	931.1	405.5	352.9	300.4	296.6	289.1	307.9	322.9	352.9	379.2	386.7
62.5°	796.0	371.7	326.6	281.6	285.3	285.3	319.1	349.2	390.5	428.0	435.5
65°	612.0	345.4	307.9	266.6	285.3	304.1	349.2	394.2	431.8	469.3	458.1
67.5°	469.3	326.6	296.6	262.8	304.1	341.7	383.0	424.3	443.0	458.1	439.3
70°	*394.2*	*307.9*	*285.3*	*259.1*	*300.4*	*341.7*	*383.0*	*424.3*	*431.8*	*439.3*	*420.5*
72.5°	345.4	292.9	270.3	247.8	281.6	315.4	364.2	409.2	416.8	420.5	401.7
75°	307.9	274.1	247.8	221.5	255.3	285.3	334.2	383.0	390.5	394.2	379.2
77.5°	270.3	251.6	221.5	191.5	225.3	259.1	304.1	349.2	360.4	371.7	352.9
80°	225.3	214.0	191.5	169.0	206.5	240.3	281.6	322.9	334.2	345.4	326.6
82.5°	180.2	172.7	157.7	142.7	180.2	217.8	259.1	296.6	307.9	315.4	292.9
85°	131.4	131.4	123.9	116.4	153.9	187.7	214.0	240.3	236.5	232.8	217.8
87.5°	18.8	18.8	26.3	33.8	45.1	52.6	67.6	78.8	82.6	82.6	63.8
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):

	165°	170°	175°	180°
0°	1182.7	1182.7	1182.7	1182.7
2.5°	1036.3	1036.3	1032.5	1040.0
5°	995.0	998.7	998.7	1002.5
7.5°	927.4	908.6	886.1	889.8
10°	1032.5	1036.3	1040.0	1040.0
12.5°	927.4	912.4	893.6	897.3
15°	1006.2	1017.5	1028.7	1032.5
17.5°	886.1	882.3	878.6	874.8
20°	991.2	1010.0	1028.7	1028.7
22.5°	852.3	852.3	852.3	856.0
25°	979.9	1002.5	1021.2	1021.2
27.5°	829.8	882.3	934.9	976.2
30°	1002.5	1013.7	1025.0	1028.7
32.5°	1062.5	1118.9	1171.4	1182.7
35°	1077.6	1103.8	1126.4	1137.6
37.5°	987.4	1010.0	1032.5	1047.5
40°	859.8	878.6	897.3	908.6
42.5°	732.1	735.9	739.6	758.4
45°	623.3	604.5	585.7	582.0
47.5°	521.9	495.6	469.3	465.6
50°	446.8	424.3	401.7	401.7
52.5°	394.2	379.2	364.2	364.2
55°	367.9	360.4	349.2	349.2
57.5°	364.2	360.4	356.7	356.7
60°	390.5	394.2	394.2	394.2
62.5°	439.3	443.0	443.0	443.0
65°	443.0	435.5	428.0	428.0
67.5°	420.5	409.2	398.0	390.5
70°	*398.0*	*390.5*	*379.2*	*367.9*
72.5°	379.2	371.7	360.4	349.2
75°	360.4	349.2	334.2	326.6
77.5°	334.2	326.6	315.4	307.9
80°	304.1	296.6	285.3	270.3
82.5°	270.3	274.1	274.1	236.5
85°	199.0	187.7	172.7	142.7
87.5°	41.3	37.5	30.0	26.3
90°	0.0	0.0	0.0	0.0

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