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: P561274

Luminaire Tested: **SDL-PA1-90-740-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P561274
	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-PA1-90-740-U-T4W-HSS
Description:	Springdale
	(1) 70 CRI, 4000K, 1180mA 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:	7406.3 lumens
Efficiency:	N/A
Efficacy:	80.2 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):	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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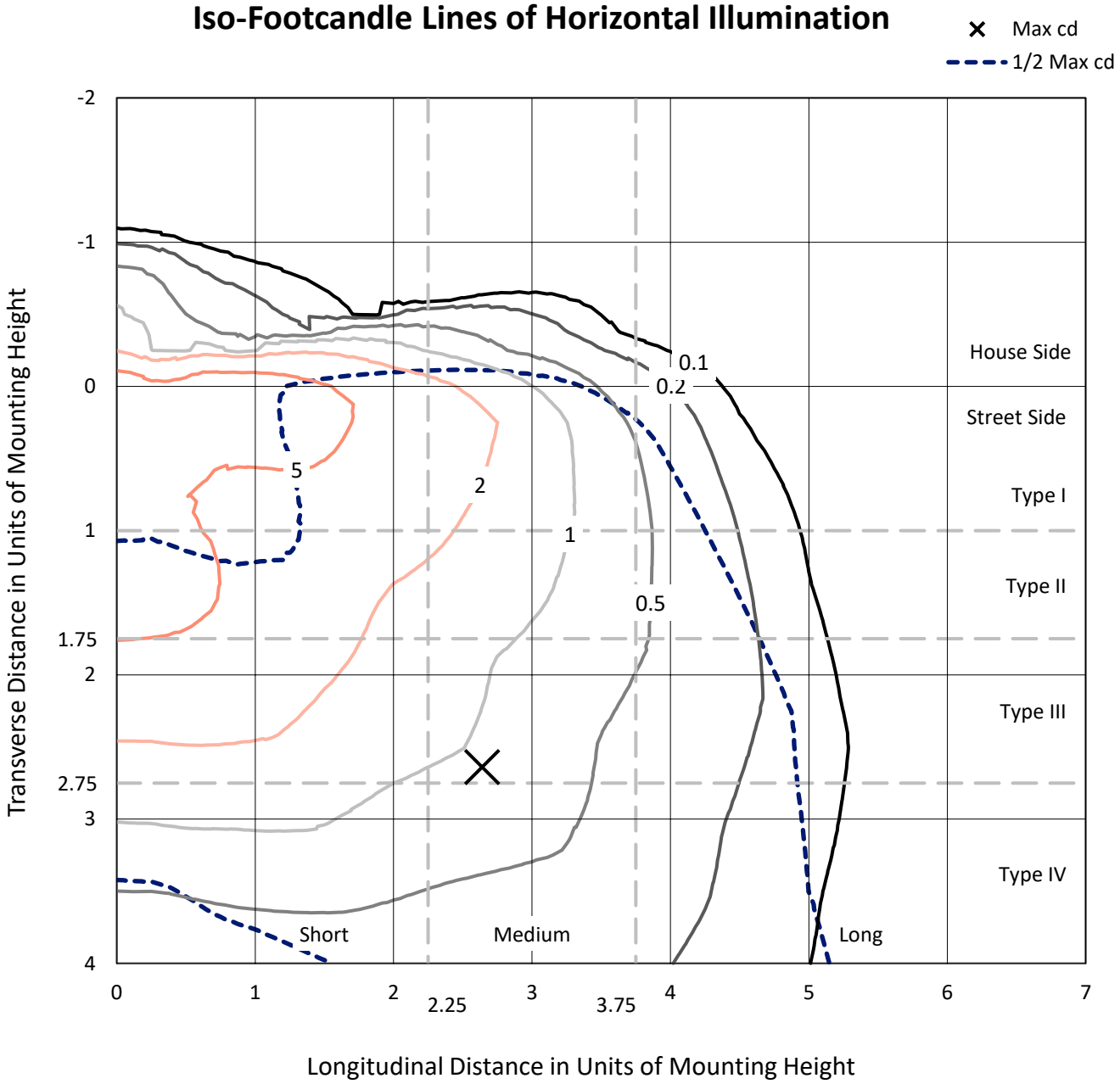
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
Type IV - Medium - N/A

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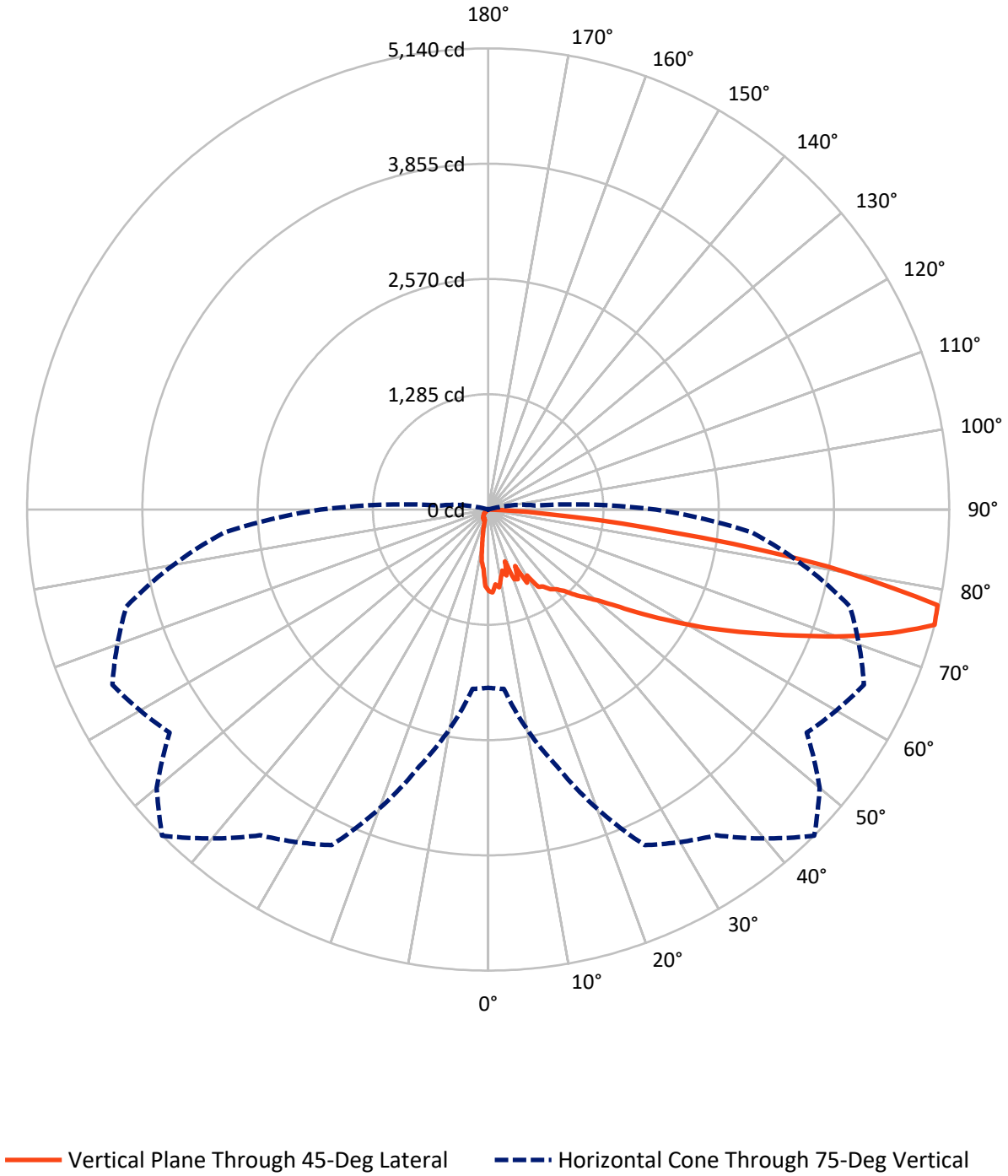
Luminous Intensity Polar Plot



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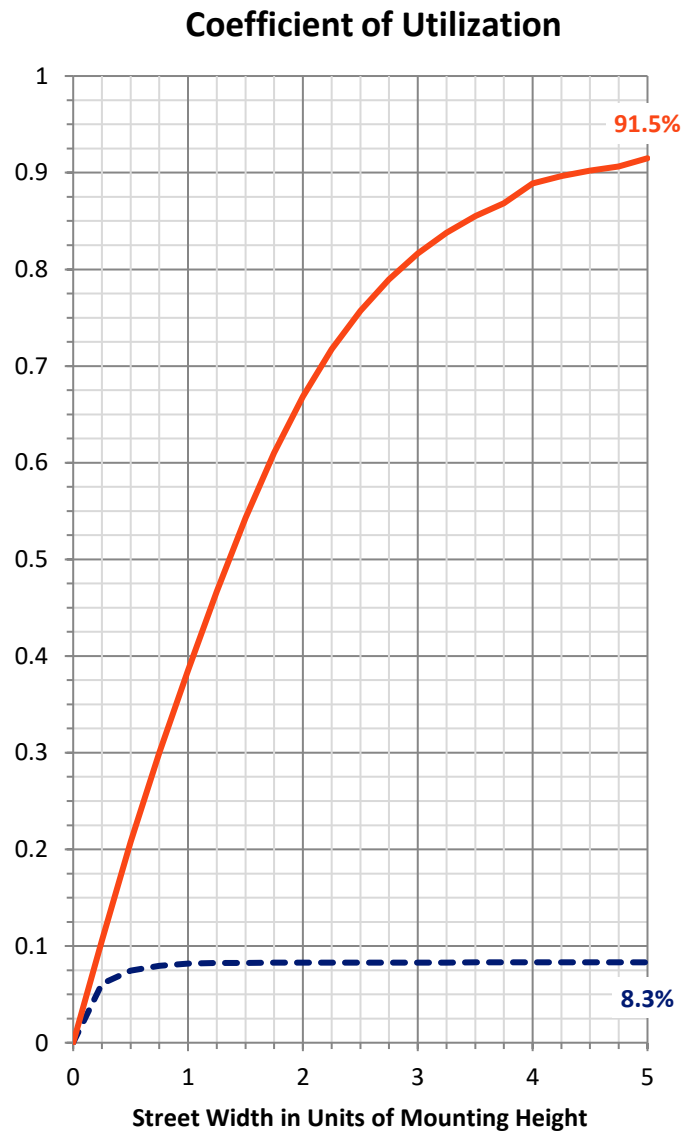
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	621.8	0.0	621.8
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	6784.5	0.0	6784.5
	% Fixture	91.6	0.0	91.6
Total	Lumens	7406.3	0.0	7406.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	1.0
10°-20°	155.0	2.1
20°-30°	262.1	3.5
30°-40°	482.7	6.5
40°-50°	792.2	10.7
50°-60°	1410.0	19.0
60°-70°	2109.8	28.5
70°-80°	1878.4	25.4
80°-90°	245.4	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°	7406.3	100.0
0°-180°	7406.3	100.0



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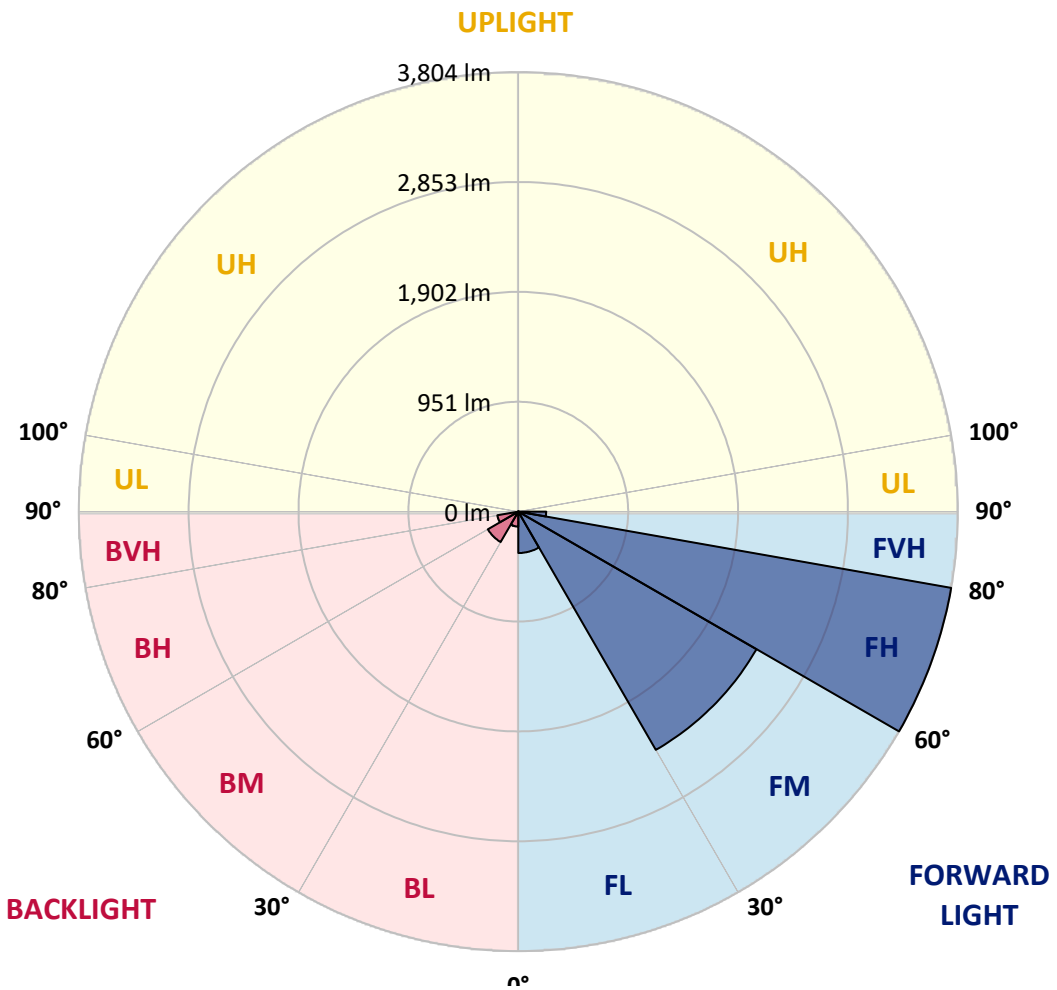
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	358.0	4.8			
FM	(30°-60°)	2380.8	32.1			
FH	(60°-80°)	3804.1	51.4			G2/5000
FVH	(80°-90°)	241.6	3.3			G3/500
BL	(0°-30°)	129.7	1.8	B1/500		
BM	(30°-60°)	304.2	4.1	B1/1000		
BH	(60°-80°)	184.1	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°	908.1	908.1	908.1	908.1	908.1	908.1	908.1	908.1	908.1	*908.1*	908.1
2.5°	844.8	908.1	915.6	919.3	926.7	930.4	930.4	930.4	930.4	*926.7*	926.7
5°	893.2	889.5	885.8	882.1	878.3	870.9	863.5	852.3	844.8	*837.4*	830.0
7.5°	874.6	878.3	889.5	896.9	893.2	889.5	896.9	900.7	889.5	*874.6*	859.7
10°	1019.8	1012.3	1004.9	997.4	986.3	975.1	885.8	796.5	789.0	*777.9*	770.4
12.5°	893.2	1004.9	1004.9	1004.9	1004.9	1004.9	945.3	885.8	792.7	*699.7*	591.8
15°	1116.5	1112.8	1097.9	1083.0	982.5	878.3	822.5	766.7	766.7	*763.0*	718.3
17.5°	926.7	926.7	1001.2	1071.9	1030.9	990.0	911.8	833.7	722.0	*606.6*	651.3
20°	1172.4	1172.4	1157.5	1142.6	971.4	800.2	807.6	815.1	822.5	*830.0*	688.5
22.5°	963.9	956.5	949.1	941.6	960.2	978.8	826.2	669.9	759.2	*844.8*	658.8
25°	1176.1	1187.2	1179.8	1168.6	1016.0	863.5	896.9	926.7	811.3	*696.0*	807.6
27.5°	1008.6	997.4	982.5	963.9	975.1	986.3	915.6	841.1	882.1	*923.0*	740.6
30°	1235.6	1239.4	1231.9	1224.5	1079.3	934.2	930.4	923.0	889.5	*852.3*	833.7
32.5°	1529.7	1499.9	1395.7	1291.5	1202.1	1112.8	1042.1	971.4	1001.2	*1027.2*	926.7
35°	1671.1	1615.3	1570.6	1522.2	1373.3	1220.7	1135.1	1045.8	1049.5	*1053.3*	1012.3
37.5°	1808.8	1726.9	1671.1	1615.3	1436.6	1258.0	1164.9	1071.9	1101.6	*1127.7*	1083.0
40°	1857.2	1812.5	1779.0	1745.5	1555.7	1362.2	1254.2	1142.6	1157.5	*1168.6*	1153.8
42.5°	1980.0	1972.5	1953.9	1931.6	1704.6	1473.8	1343.6	1213.3	1228.2	*1239.4*	1231.9
45°	2274.0	2262.8	2262.8	2259.1	1965.1	1667.4	1496.2	1325.0	1339.8	*1354.7*	1347.3
47.5°	2653.6	2635.0	2612.7	2586.6	2274.0	1957.7	1712.0	1462.7	1462.7	*1462.7*	1473.8
50°	3051.9	3025.8	2977.4	2925.3	2609.0	2292.6	1980.0	1667.4	1633.9	*1596.6*	1637.6
52.5°	3465.0	3420.3	3338.4	3252.8	2973.7	2694.6	2341.0	1983.7	1883.2	*1779.0*	1831.1
55°	3688.3	3639.9	3584.1	3524.5	3297.5	3066.7	2705.7	2344.7	2188.4	*2028.4*	2084.2
57.5°	3870.6	3859.5	3833.4	3807.4	3632.5	3457.5	3096.5	2731.8	2519.6	*2307.5*	2355.9
60°	4120.0	4105.1	4116.3	4127.5	3993.5	3859.5	3517.1	3171.0	2899.3	*2623.9*	2609.0
62.5°	4306.1	4302.4	4358.2	4414.0	4343.3	4268.9	3885.5	3498.5	3234.2	*2966.3*	2891.8
65°	4134.9	4183.3	4391.7	4600.1	4589.0	4574.1	4216.8	3855.8	3595.2	*3331.0*	3234.2
67.5°	3773.9	3796.2	4105.1	4410.3	4544.3	4674.6	4421.5	4164.7	3960.0	*3751.6*	3572.9
70°	3435.2	3483.6	3755.3	4027.0	4373.1	4719.2	4518.2	4317.3	4276.3	*4231.7*	4000.9
72.5°	3107.7	3193.3	3446.4	3699.4	4160.9	4618.7	4499.6	4380.5	4540.6	*4700.6*	4425.2
75°	*1987.4*	*2006.0*	*2486.1*	*2962.5*	*3546.9*	*4127.5*	*4280.0*	*4432.6*	*4786.2*	*5139.8*	*4823.4*
77.5°	580.6	643.9	1004.9	1365.9	2035.8	2702.0	3223.1	3744.1	4432.6	*5121.2*	4734.1
80°	197.3	212.1	264.2	312.6	669.9	1027.2	1630.1	2229.3	3029.5	*3829.7*	3558.0
82.5°	96.8	100.5	126.5	148.9	227.0	305.2	614.1	919.3	1485.0	*2047.0*	2095.4
85°	29.8	29.8	44.7	59.5	96.8	134.0	230.8	323.8	513.6	*699.7*	591.8
87.5°	7.4	7.4	11.2	14.9	22.3	29.8	29.8	29.8	22.3	*14.9*	18.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	908.1	908.1	908.1	908.1	908.1	908.1	908.1	908.1	908.1	908.1	908.1
2.5°	930.4	930.4	930.4	926.7	919.3	915.6	908.1	900.7	893.2	889.5	882.1
5°	818.8	867.2	911.8	915.6	915.6	904.4	893.2	882.1	870.9	859.7	848.6
7.5°	841.1	815.1	789.0	792.7	796.5	792.7	785.3	766.7	751.8	722.0	688.5
10°	673.6	655.0	632.7	640.1	647.6	666.2	684.8	669.9	647.6	591.8	532.2
12.5°	662.5	658.8	651.3	595.5	535.9	565.7	591.8	576.9	554.5	498.7	439.2
15°	565.7	569.4	569.4	625.3	681.1	703.4	722.0	703.4	677.4	602.9	524.8
17.5°	729.5	692.3	655.0	632.7	606.6	614.1	621.5	539.7	565.7	517.3	465.2
20°	755.5	632.7	509.9	610.4	710.9	744.4	777.9	759.2	725.7	606.6	483.8
22.5°	688.5	733.2	777.9	714.6	651.3	610.4	565.7	547.1	524.8	472.7	420.6
25°	852.3	729.5	602.9	722.0	837.4	844.8	852.3	818.8	781.6	632.7	483.8
27.5°	763.0	803.9	841.1	867.2	893.2	926.7	960.2	923.0	833.7	658.8	480.1
30°	908.1	963.9	1019.8	1105.4	1191.0	1217.0	1239.4	1198.4	1127.7	833.7	535.9
32.5°	949.1	1060.7	1172.4	1205.9	1235.6	1269.1	1302.6	1269.1	1183.5	826.2	465.2
35°	1060.7	1138.9	1213.3	1265.4	1317.5	1347.3	1377.1	1354.7	1239.4	815.1	390.8
37.5°	1094.2	1198.4	1298.9	1358.4	1414.3	1440.3	1462.7	1462.7	1298.9	807.6	312.6
40°	1146.3	1276.6	1406.8	1462.7	1514.8	1555.7	1592.9	1607.8	1365.9	803.9	238.2
42.5°	1250.5	1365.9	1481.3	1570.6	1656.2	1715.7	1775.3	1786.5	1444.0	815.1	182.4
45°	1362.2	1485.0	1607.8	1726.9	1846.0	1931.6	2013.5	2006.0	1537.1	844.8	148.9
47.5°	1522.2	1637.6	1753.0	1953.9	2151.2	2233.1	2311.2	2259.1	1633.9	882.1	130.3
50°	1686.0	1827.4	1968.8	2225.6	2478.7	2553.1	2623.9	2515.9	1726.9	926.7	122.8
52.5°	1898.1	2065.6	2233.1	2527.1	2821.1	2888.1	2955.1	2735.5	1797.6	956.5	115.4
55°	2147.5	2363.3	2579.2	2858.3	3133.7	3211.9	3290.1	2951.4	1831.1	971.4	111.7
57.5°	2448.9	2698.3	2943.9	3200.7	3453.8	3561.7	3666.0	3163.5	1846.0	975.1	104.2
60°	2742.9	3018.4	3293.8	3513.4	3732.9	3900.4	4064.2	3371.9	1838.6	967.7	93.0
62.5°	3014.6	3319.8	3621.3	3826.0	4030.7	4231.7	4432.6	3539.4	1790.2	934.2	74.4
65°	3297.5	3621.3	3941.4	4120.0	4298.7	4559.2	4816.0	3684.6	1723.2	889.5	52.1
67.5°	3554.3	3863.2	4172.1	4373.1	4574.1	4830.9	5083.9	3721.8	1626.4	833.7	37.2
70°	3770.2	4105.1	4436.4	4641.1	4845.8	4976.0	5102.6	3558.0	1432.9	729.5	26.1
72.5°	4067.9	4369.4	4667.1	4771.3	4871.8	4644.8	4414.0	2966.3	1075.6	550.8	22.3
75°	*4335.9*	*4481.0*	*4622.4*	*4399.1*	*4175.8*	*3565.5*	*2955.1*	*1868.3*	*524.8*	*275.4*	*22.3*
77.5°	4064.2	3986.0	3907.9	3223.1	2534.5	1883.2	1228.2	733.2	163.8	89.3	14.9
80°	2943.9	2586.6	2225.6	1540.8	852.3	569.4	282.9	163.8	40.9	26.1	11.2
82.5°	1585.5	1224.5	859.7	554.5	249.4	167.5	81.9	55.8	18.6	14.9	7.4
85°	573.2	454.1	331.2	256.8	182.4	107.9	29.8	18.6	11.2	11.2	7.4
87.5°	52.1	59.5	67.0	52.1	33.5	22.3	7.4	7.4	7.4	7.4	3.7
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°	908.1	908.1	908.1	908.1	908.1	908.1	908.1	908.1	908.1	908.1	908.1
2.5°	878.3	874.6	870.9	863.5	859.7	856.0	830.0	803.9	774.1	744.4	744.4
5°	800.2	751.8	725.7	699.7	681.1	662.5	658.8	651.3	643.9	636.4	632.7
7.5°	669.9	651.3	636.4	621.5	602.9	584.3	565.7	547.1	532.2	517.3	483.8
10°	502.4	472.7	450.3	428.0	416.8	402.0	379.6	353.6	353.6	353.6	349.8
12.5°	435.4	431.7	375.9	316.4	297.7	279.1	275.4	271.7	264.2	253.1	238.2
15°	431.7	335.0	286.6	234.5	223.3	208.4	186.1	160.0	156.3	148.9	167.5
17.5°	390.8	316.4	260.5	204.7	163.8	122.8	130.3	134.0	152.6	167.5	178.6
20°	353.6	223.3	186.1	145.1	134.0	119.1	126.5	134.0	130.3	122.8	141.4
22.5°	331.2	238.2	174.9	111.7	119.1	126.5	119.1	107.9	126.5	145.1	156.3
25°	320.1	152.6	137.7	119.1	111.7	104.2	119.1	130.3	122.8	115.4	137.7
27.5°	316.4	152.6	130.3	104.2	111.7	119.1	115.4	107.9	122.8	134.0	130.3
30°	338.7	137.7	122.8	107.9	104.2	100.5	107.9	115.4	115.4	111.7	130.3
32.5°	301.5	137.7	122.8	104.2	104.2	100.5	100.5	100.5	111.7	122.8	130.3
35°	260.5	126.5	115.4	100.5	96.8	93.0	96.8	96.8	107.9	115.4	130.3
37.5°	215.9	119.1	107.9	93.0	89.3	85.6	85.6	81.9	93.0	104.2	115.4
40°	174.9	111.7	100.5	85.6	81.9	78.2	78.2	78.2	85.6	89.3	96.8
42.5°	145.1	104.2	93.0	78.2	74.4	70.7	70.7	67.0	70.7	74.4	78.2
45°	126.5	100.5	89.3	74.4	70.7	63.3	59.5	55.8	55.8	55.8	55.8
47.5°	111.7	93.0	85.6	74.4	67.0	55.8	52.1	44.7	40.9	37.2	33.5
50°	104.2	85.6	78.2	67.0	59.5	48.4	40.9	33.5	29.8	22.3	22.3
52.5°	96.8	78.2	70.7	59.5	48.4	37.2	29.8	18.6	18.6	14.9	14.9
55°	93.0	74.4	63.3	52.1	40.9	26.1	18.6	11.2	11.2	7.4	7.4
57.5°	89.3	70.7	59.5	44.7	29.8	14.9	11.2	7.4	7.4	7.4	7.4
60°	78.2	63.3	48.4	29.8	18.6	7.4	7.4	3.7	7.4	7.4	7.4
62.5°	63.3	48.4	33.5	18.6	11.2	3.7	3.7	3.7	7.4	7.4	7.4
65°	44.7	33.5	22.3	11.2	7.4	3.7	3.7	3.7	3.7	3.7	3.7
67.5°	33.5	26.1	18.6	7.4	7.4	3.7	3.7	3.7	3.7	3.7	3.7
70°	22.3	18.6	14.9	7.4	7.4	3.7	3.7	3.7	3.7	3.7	3.7
72.5°	18.6	14.9	11.2	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7
75°	*18.6*	*14.9*	*11.2*	*3.7*	*3.7*	*0.0*	*3.7*	*3.7*	*3.7*	*3.7*	*3.7*
77.5°	14.9	11.2	7.4	3.7	3.7	0.0	3.7	7.4	7.4	7.4	7.4
80°	11.2	7.4	7.4	3.7	3.7	0.0	3.7	7.4	7.4	7.4	7.4
82.5°	7.4	7.4	7.4	3.7	3.7	0.0	7.4	11.2	11.2	7.4	7.4
85°	7.4	3.7	3.7	3.7	3.7	3.7	7.4	11.2	11.2	11.2	7.4
87.5°	3.7	3.7	3.7	3.7	3.7	3.7	7.4	11.2	11.2	11.2	7.4
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°	908.1	908.1	908.1	908.1
2.5°	740.6	740.6	736.9	736.9
5°	625.3	625.3	621.5	621.5
7.5°	450.3	442.9	431.7	435.4
10°	346.1	338.7	331.2	338.7
12.5°	223.3	227.0	227.0	215.9
15°	182.4	197.3	208.4	208.4
17.5°	189.8	189.8	186.1	186.1
20°	160.0	174.9	189.8	189.8
22.5°	163.8	156.3	148.9	148.9
25°	156.3	167.5	174.9	174.9
27.5°	126.5	130.3	134.0	134.0
30°	145.1	152.6	156.3	156.3
32.5°	137.7	145.1	148.9	152.6
35°	141.4	148.9	152.6	152.6
37.5°	126.5	130.3	134.0	134.0
40°	100.5	104.2	107.9	107.9
42.5°	78.2	78.2	74.4	78.2
45°	52.1	52.1	48.4	52.1
47.5°	29.8	29.8	29.8	29.8
50°	18.6	18.6	18.6	18.6
52.5°	11.2	11.2	11.2	11.2
55°	7.4	7.4	7.4	7.4
57.5°	7.4	7.4	3.7	3.7
60°	3.7	3.7	3.7	3.7
62.5°	3.7	3.7	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°	*3.7*	*3.7*	*0.0*	*0.0*
77.5°	3.7	3.7	0.0	0.0
80°	3.7	3.7	0.0	0.0
82.5°	3.7	3.7	0.0	0.0
85°	3.7	3.7	3.7	0.0
87.5°	3.7	3.7	3.7	0.0
90°	0.0	0.0	0.0	0.0

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