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: P560566

Luminaire Tested: **SDL-PA1-50-740-U-T3-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:	P560566
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-50-740-U-T3-HSS
Description:	Springdale
	(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4769.9 lumens
Efficiency:	N/A
Efficacy:	91.0 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 - G2

Input Watts (W):	52.4
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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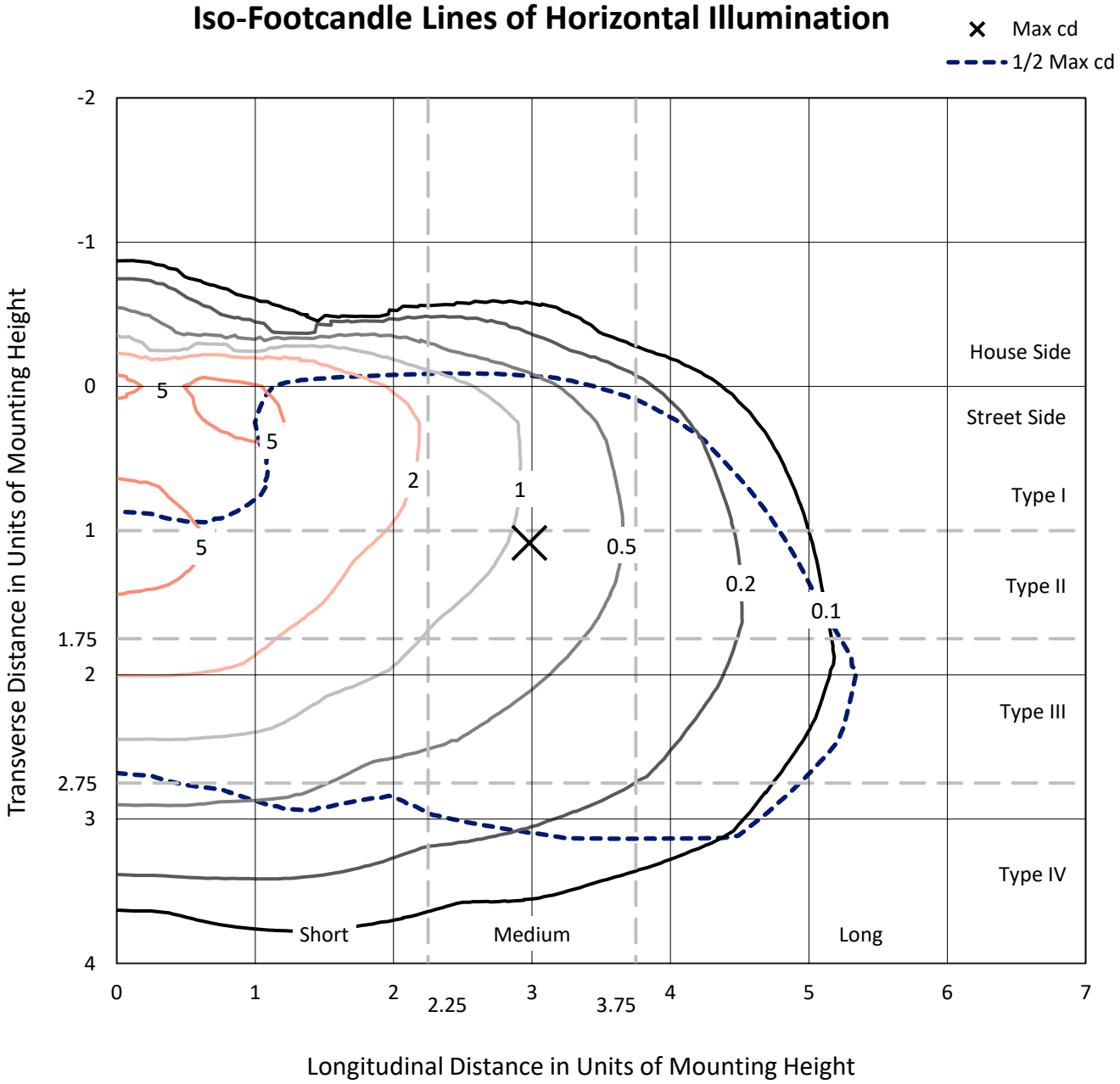
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
Type IV - Medium - N/A

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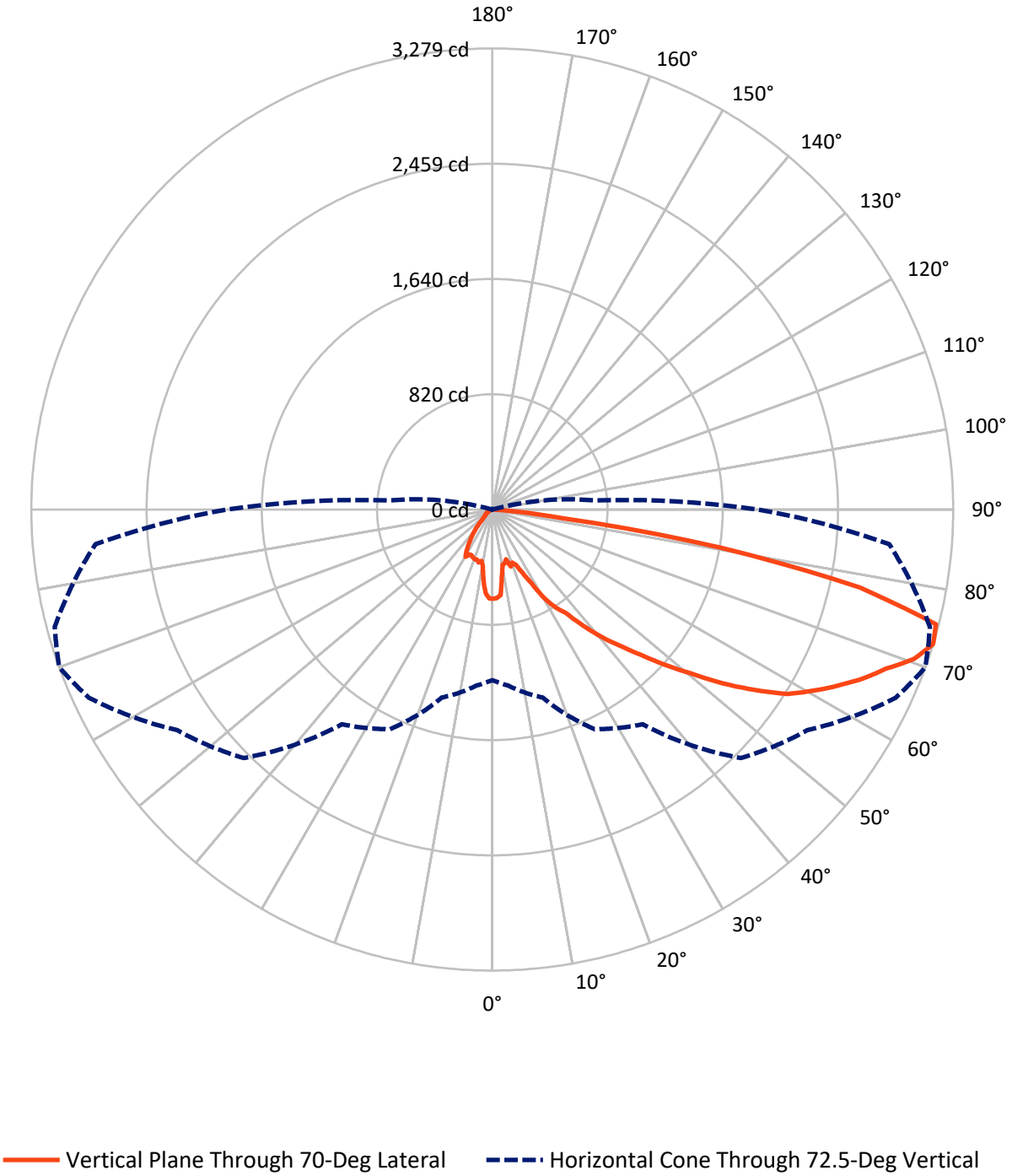
Luminous Intensity Polar Plot



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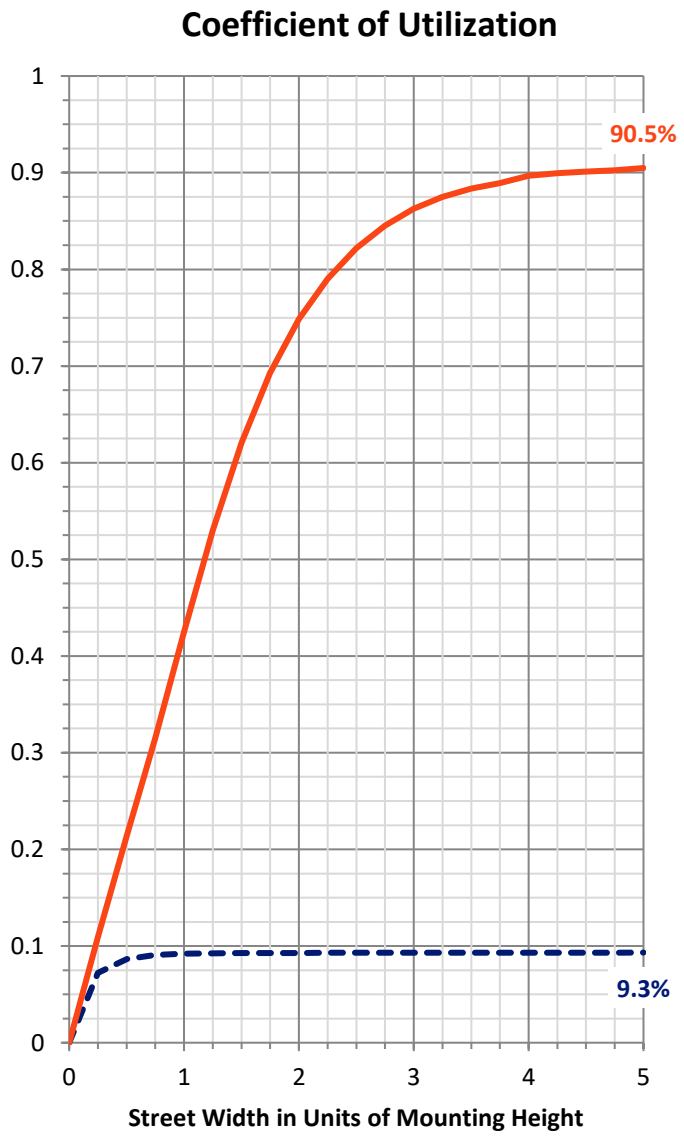
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	449.7	0.0	449.7
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	4320.2	0.0	4320.2
	% Fixture	90.6	0.0	90.6
Total	Lumens	4769.9	0.0	4769.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	1.0
10°-20°	97.7	2.0
20°-30°	159.1	3.3
30°-40°	339.6	7.1
40°-50°	654.3	13.7
50°-60°	1082.1	22.7
60°-70°	1324.6	27.8
70°-80°	970.4	20.3
80°-90°	93.2	2.0
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°	4769.9	100.0
0°-180°	4769.9	100.0



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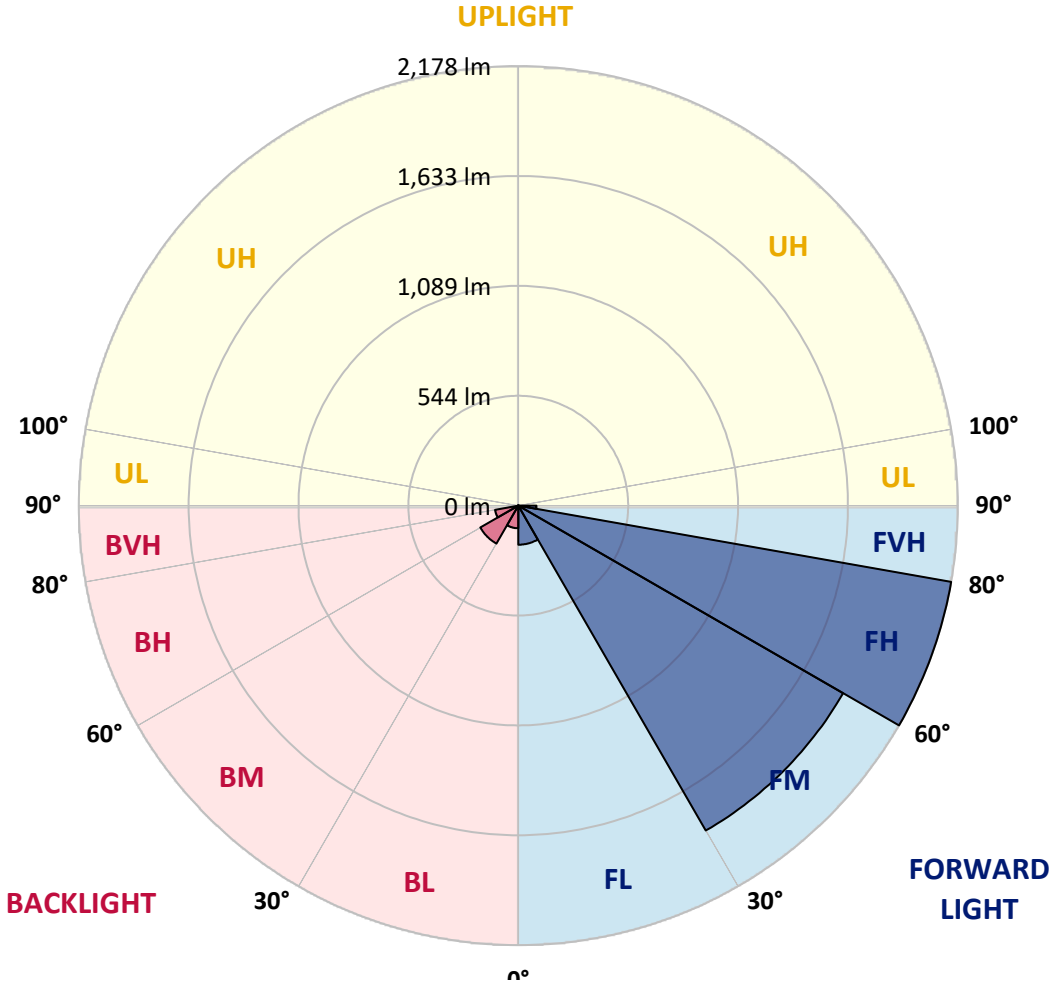
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	193.7	4.1			
FM	(30°-60°)	1858.7	39.0			
FH	(60°-80°)	2177.9	45.7			G2/5000
FVH	(80°-90°)	89.9	1.9			G1/100
BL	(0°-30°)	112.0	2.3	B1/500		
BM	(30°-60°)	217.3	4.6	B0/220		
BH	(60°-80°)	117.1	2.5	B1/500		G1/500
BVH	(80°-90°)	3.3	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 IV Medium



REPORT NUMBER: P560566
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8
2.5°	564.5	580.9	590.3	599.6	597.3	594.9	599.6	604.3	613.7	620.7	625.4
5°	508.3	508.3	508.3	508.3	510.6	510.6	510.6	510.6	513.0	515.3	517.6
7.5°	440.4	449.7	454.4	459.1	470.8	480.2	489.5	498.9	503.6	505.9	508.3
10°	477.8	477.8	477.8	477.8	480.2	480.2	449.7	416.9	419.3	421.6	407.6
12.5°	395.8	393.5	419.3	442.7	459.1	473.1	456.7	438.0	409.9	379.5	374.8
15°	466.1	466.1	466.1	466.1	433.3	400.5	377.1	353.7	372.4	388.8	351.3
17.5°	367.7	377.1	405.2	433.3	433.3	433.3	412.2	391.2	351.3	309.2	353.7
20°	456.7	456.7	456.7	454.4	400.5	346.7	365.4	381.8	398.2	414.6	407.6
22.5°	379.5	374.8	381.8	388.8	405.2	419.3	372.4	323.2	377.1	428.6	402.9
25°	480.2	480.2	482.5	482.5	431.0	379.5	409.9	438.0	398.2	358.4	421.6
27.5°	433.3	419.3	416.9	412.2	428.6	442.7	421.6	400.5	445.0	489.5	468.5
30°	602.0	602.0	585.6	569.2	505.9	440.4	447.4	452.1	452.1	452.1	498.9
32.5°	836.2	838.5	775.3	709.7	653.5	594.9	543.4	489.5	517.6	545.8	576.2
35°	1126.6	1133.7	1089.2	1042.3	904.1	765.9	679.3	592.6	590.3	585.6	630.1
37.5°	1335.1	1349.2	1314.0	1278.9	1114.9	951.0	826.8	702.7	691.0	676.9	693.3
40°	1531.9	1522.5	1501.4	1478.0	1304.7	1129.0	993.1	854.9	824.5	791.7	794.0
42.5°	1787.2	1759.1	1705.2	1651.3	1485.0	1318.7	1173.5	1028.3	979.1	929.9	920.5
45°	2117.4	2070.6	1993.3	1913.7	1749.7	1585.7	1407.7	1227.4	1166.5	1103.2	1089.2
47.5°	2286.1	2253.3	2204.1	2152.6	1983.9	1815.3	1644.3	1471.0	1386.6	1300.0	1276.6
50°	2485.2	2443.0	2410.2	2375.1	2229.9	2082.3	1923.0	1761.4	1649.0	1536.5	1496.7
52.5°	2674.9	2604.6	2574.2	2541.4	2426.6	2309.5	2143.2	1976.9	1904.3	1829.3	1733.3
55°	2742.8	2674.9	2660.9	2646.8	2564.8	2482.8	2330.6	2178.3	2094.0	2007.4	1930.1
57.5°	2595.3	2604.6	2646.8	2689.0	2642.1	2595.3	2471.1	2344.6	2251.0	2157.3	2112.8
60°	2494.5	2515.6	2578.9	2642.1	2642.1	2642.1	2574.2	2506.3	2417.3	2328.2	2297.8
62.5°	2332.9	2358.7	2454.7	2550.8	2611.7	2672.6	2600.0	2527.3	2496.9	2464.1	2436.0
65°	2119.8	2126.8	2234.6	2342.3	2468.8	2592.9	2525.0	2454.7	2513.3	2571.8	2543.7
67.5°	1873.8	1885.6	1986.3	2084.6	2234.6	2384.5	2365.7	2344.6	2473.5	2602.3	2600.0
70°	1581.1	1602.1	1688.8	1773.1	1941.8	2108.1	2126.8	2145.5	2368.1	2588.2	2630.4
72.5°	*1213.3*	*1255.5*	*1321.1*	*1384.3*	*1555.3*	*1723.9*	*1794.2*	*1864.5*	*2183.0*	*2499.2*	*2618.7*
75°	402.9	431.0	613.7	794.0	967.4	1140.7	1295.3	1447.5	1845.7	2241.6	2489.9
77.5°	117.1	121.8	156.9	189.7	325.6	459.1	618.4	775.3	1164.1	1550.6	1962.8
80°	60.9	63.2	70.3	77.3	112.4	147.6	213.1	276.4	454.4	632.4	1065.7
82.5°	42.2	42.2	49.2	53.9	67.9	82.0	117.1	152.2	166.3	180.4	428.6
85°	14.1	14.1	18.7	23.4	32.8	42.2	63.2	82.0	82.0	79.6	114.8
87.5°	2.3	2.3	4.7	7.0	11.7	14.1	11.7	9.4	7.0	4.7	9.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	634.8	634.8	634.8	*634.8*	634.8	634.8	634.8	634.8	634.8	634.8	634.8
2.5°	627.7	630.1	630.1	*630.1*	632.4	632.4	632.4	632.4	630.1	632.4	632.4
5°	517.6	559.8	599.6	*611.3*	618.4	620.7	620.7	620.7	618.4	618.4	618.4
7.5°	510.6	508.3	505.9	*487.2*	531.7	541.1	548.1	545.8	545.8	534.0	520.0
10°	393.5	393.5	393.5	*398.2*	424.0	454.4	484.9	484.9	484.9	449.7	414.6
12.5°	367.7	381.8	393.5	*393.5*	351.3	386.5	421.6	421.6	421.6	386.5	349.0
15°	313.9	330.3	344.3	*367.7*	438.0	480.2	522.3	522.3	520.0	480.2	438.0
17.5°	395.8	391.2	384.1	*426.3*	400.5	407.6	414.6	393.5	424.0	412.2	400.5
20°	400.5	358.4	313.9	*402.9*	494.2	534.0	573.9	576.2	569.2	524.7	477.8
22.5°	377.1	431.0	482.5	*426.3*	440.4	431.0	419.3	414.6	414.6	412.2	409.9
25°	482.5	431.0	379.5	*498.9*	583.2	611.3	639.4	632.4	623.1	559.8	496.6
27.5°	445.0	496.6	545.8	*592.6*	634.8	660.5	686.3	758.9	660.5	587.9	513.0
30°	543.4	606.7	667.6	*735.5*	864.3	901.8	939.3	920.5	897.1	756.6	616.0
32.5°	604.3	705.0	803.4	*833.9*	911.2	946.3	979.1	962.7	934.6	749.5	564.5
35°	672.2	765.9	857.3	*906.5*	1000.2	1028.3	1054.0	1028.3	997.8	742.5	487.2
37.5°	709.7	836.2	960.3	*1044.7*	1124.3	1131.3	1136.0	1112.6	1072.8	742.5	412.2
40°	796.4	932.2	1065.7	*1187.5*	1250.8	1253.1	1255.5	1218.0	1145.4	735.5	323.2
42.5°	911.2	1049.4	1185.2	*1318.7*	1403.0	1396.0	1386.6	1335.1	1215.7	723.8	231.9
45°	1075.1	1196.9	1318.7	*1468.6*	1571.7	1552.9	1531.9	1454.6	1264.8	712.1	156.9
47.5°	1250.8	1346.8	1440.5	*1646.6*	1777.8	1738.0	1695.8	1583.4	1300.0	707.4	112.4
50°	1454.6	1531.9	1609.2	*1834.0*	1991.0	1916.0	1841.0	1712.2	1314.0	702.7	89.0
52.5°	1634.9	1714.6	1791.9	*2054.2*	2173.7	2089.3	2005.0	1812.9	1307.0	693.3	77.3
55°	1850.4	1920.7	1991.0	*2265.0*	2361.0	2248.6	2133.8	1885.6	1271.9	672.2	70.3
57.5°	2065.9	2138.5	2208.8	*2475.8*	2503.9	2393.8	2281.4	1955.8	1236.7	651.2	63.2
60°	2267.3	2349.3	2431.3	*2618.7*	2639.8	2541.4	2443.0	2023.7	1180.5	618.4	56.2
62.5°	2407.9	2520.3	2632.7	*2759.2*	2768.6	2679.6	2588.2	2075.3	1107.9	580.9	51.5
65°	2513.3	2667.9	2820.1	*2897.4*	2892.7	2829.5	2766.3	2119.8	1049.4	545.8	42.2
67.5°	2595.3	2782.7	2970.0	*3021.6*	3033.3	2974.7	2916.2	2126.8	976.7	505.9	32.8
70°	2672.6	2878.7	3084.8	*3183.2*	3159.8	3068.4	2977.1	2072.9	878.4	452.1	23.4
72.5°	*2735.8*	*2951.3*	*3166.8*	*3279.2*	*3223.0*	*3028.6*	*2834.2*	*1890.2*	*735.5*	*377.1*	*16.4*
75°	2735.8	2951.3	3164.4	*3260.5*	3068.4	2681.9	2293.1	1407.7	431.0	222.5	14.1
77.5°	2375.1	2532.0	2689.0	*2674.9*	2337.6	1857.4	1374.9	810.4	145.2	79.6	11.7
80°	1499.1	1602.1	1705.2	*1653.7*	1194.6	857.3	517.6	271.7	51.5	30.4	9.4
82.5°	676.9	665.2	653.5	*503.6*	234.2	156.9	77.3	46.8	14.1	9.4	4.7
85°	149.9	145.2	140.5	*103.1*	70.3	46.8	23.4	14.1	7.0	7.0	4.7
87.5°	14.1	16.4	16.4	*11.7*	11.7	9.4	4.7	4.7	4.7	4.7	4.7
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°	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8	634.8
2.5°	632.4	632.4	632.4	630.1	630.1	630.1	613.7	594.9	583.2	569.2	562.2
5°	597.3	576.2	550.4	524.7	520.0	513.0	515.3	515.3	517.6	517.6	517.6
7.5°	508.3	496.6	501.3	505.9	505.9	505.9	505.9	503.6	501.3	498.9	475.5
10°	405.2	395.8	395.8	395.8	402.9	407.6	395.8	381.8	402.9	421.6	416.9
12.5°	372.4	395.8	365.4	332.6	337.3	339.6	339.6	337.3	327.9	318.6	285.8
15°	388.8	339.6	311.5	281.1	281.1	281.1	227.2	173.3	161.6	149.9	152.2
17.5°	372.4	344.3	311.5	276.4	208.5	138.2	131.2	121.8	121.8	121.8	124.1
20°	374.8	271.7	229.5	187.4	149.9	110.1	103.1	93.7	89.0	82.0	96.0
22.5°	367.7	323.2	220.2	117.1	103.1	89.0	82.0	72.6	84.3	96.0	96.0
25°	356.0	213.1	159.3	103.1	86.7	70.3	79.6	86.7	82.0	75.0	86.7
27.5°	358.4	201.4	138.2	75.0	79.6	82.0	77.3	70.3	77.3	82.0	77.3
30°	386.5	156.9	117.1	75.0	72.6	67.9	70.3	72.6	70.3	65.6	70.3
32.5°	344.3	124.1	98.4	70.3	67.9	65.6	63.2	60.9	63.2	63.2	63.2
35°	290.4	93.7	79.6	65.6	60.9	56.2	56.2	53.9	53.9	53.9	53.9
37.5°	245.9	79.6	70.3	58.6	53.9	49.2	46.8	42.2	42.2	39.8	39.8
40°	199.1	72.6	63.2	51.5	46.8	39.8	37.5	32.8	32.8	30.4	30.4
42.5°	149.9	65.6	56.2	44.5	39.8	32.8	28.1	23.4	23.4	21.1	21.1
45°	107.7	58.6	49.2	37.5	32.8	25.8	21.1	16.4	16.4	14.1	14.1
47.5°	84.3	53.9	44.5	32.8	25.8	18.7	16.4	11.7	11.7	11.7	11.7
50°	67.9	46.8	37.5	25.8	18.7	11.7	9.4	7.0	7.0	7.0	7.0
52.5°	60.9	42.2	32.8	21.1	16.4	9.4	7.0	4.7	7.0	7.0	7.0
55°	53.9	37.5	28.1	16.4	11.7	7.0	7.0	4.7	7.0	7.0	7.0
57.5°	49.2	32.8	23.4	11.7	9.4	4.7	4.7	2.3	4.7	4.7	4.7
60°	42.2	28.1	18.7	9.4	7.0	2.3	2.3	2.3	4.7	4.7	4.7
62.5°	37.5	23.4	16.4	7.0	4.7	2.3	2.3	2.3	4.7	4.7	4.7
65°	30.4	16.4	11.7	4.7	4.7	2.3	2.3	2.3	4.7	4.7	4.7
67.5°	23.4	11.7	9.4	4.7	4.7	2.3	2.3	2.3	4.7	4.7	2.3
70°	16.4	9.4	7.0	2.3	2.3	2.3	2.3	2.3	4.7	4.7	2.3
72.5°	*11.7*	*7.0*	*4.7*	*2.3*	*2.3*	*0.0*	*2.3*	*2.3*	*4.7*	*4.7*	*4.7*
75°	11.7	7.0	4.7	2.3	2.3	0.0	2.3	4.7	4.7	4.7	4.7
77.5°	9.4	4.7	4.7	2.3	2.3	0.0	2.3	4.7	4.7	4.7	4.7
80°	7.0	4.7	4.7	2.3	2.3	0.0	4.7	7.0	7.0	7.0	4.7
82.5°	4.7	4.7	4.7	2.3	2.3	0.0	4.7	7.0	7.0	7.0	4.7
85°	4.7	4.7	4.7	4.7	2.3	0.0	4.7	7.0	7.0	7.0	7.0
87.5°	4.7	4.7	4.7	4.7	4.7	2.3	7.0	9.4	9.4	7.0	7.0
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):

	165°	170°	175°	180°
0°	634.8	634.8	634.8	634.8
2.5°	552.8	552.8	550.4	557.5
5°	517.6	517.6	517.6	520.0
7.5°	449.7	433.3	416.9	419.3
10°	409.9	405.2	398.2	402.9
12.5°	253.0	238.9	222.5	215.5
15°	154.6	154.6	154.6	152.2
17.5°	126.5	117.1	105.4	107.7
20°	110.1	112.4	114.8	114.8
22.5°	96.0	91.3	86.7	86.7
25°	96.0	96.0	96.0	96.0
27.5°	72.6	72.6	70.3	70.3
30°	75.0	75.0	72.6	70.3
32.5°	60.9	60.9	60.9	60.9
35°	51.5	49.2	46.8	46.8
37.5°	39.8	37.5	35.1	35.1
40°	28.1	28.1	25.8	25.8
42.5°	21.1	21.1	18.7	18.7
45°	14.1	14.1	14.1	14.1
47.5°	9.4	9.4	9.4	9.4
50°	7.0	7.0	7.0	7.0
52.5°	7.0	7.0	4.7	4.7
55°	4.7	4.7	4.7	4.7
57.5°	4.7	4.7	4.7	4.7
60°	4.7	4.7	2.3	2.3
62.5°	2.3	2.3	2.3	2.3
65°	2.3	2.3	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°	*2.3*	*2.3*	*0.0*	*0.0*
75°	2.3	2.3	0.0	0.0
77.5°	2.3	2.3	0.0	0.0
80°	2.3	2.3	0.0	0.0
82.5°	2.3	2.3	2.3	0.0
85°	4.7	4.7	2.3	0.0
87.5°	4.7	4.7	2.3	0.0
90°	0.0	0.0	0.0	0.0

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