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: P561215

Luminaire Tested: **SDL-PA1-90-727-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P561215
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-90-727-U-SL3
Description:	Springdale
	(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8505.8 lumens
Efficiency:	N/A
Efficacy:	92.1 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type III - 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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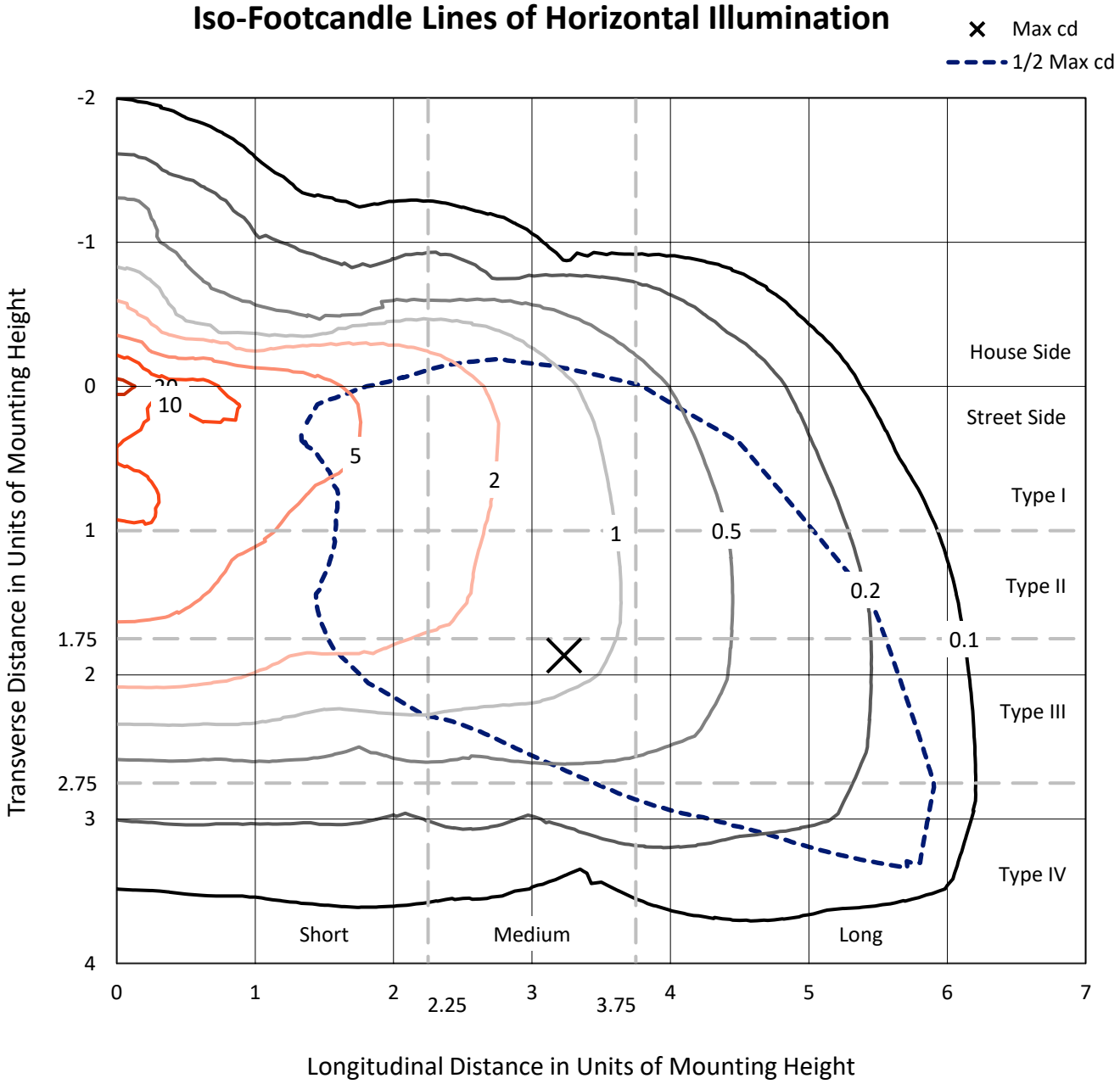
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 24.3 fc
Type III - Medium - N/A

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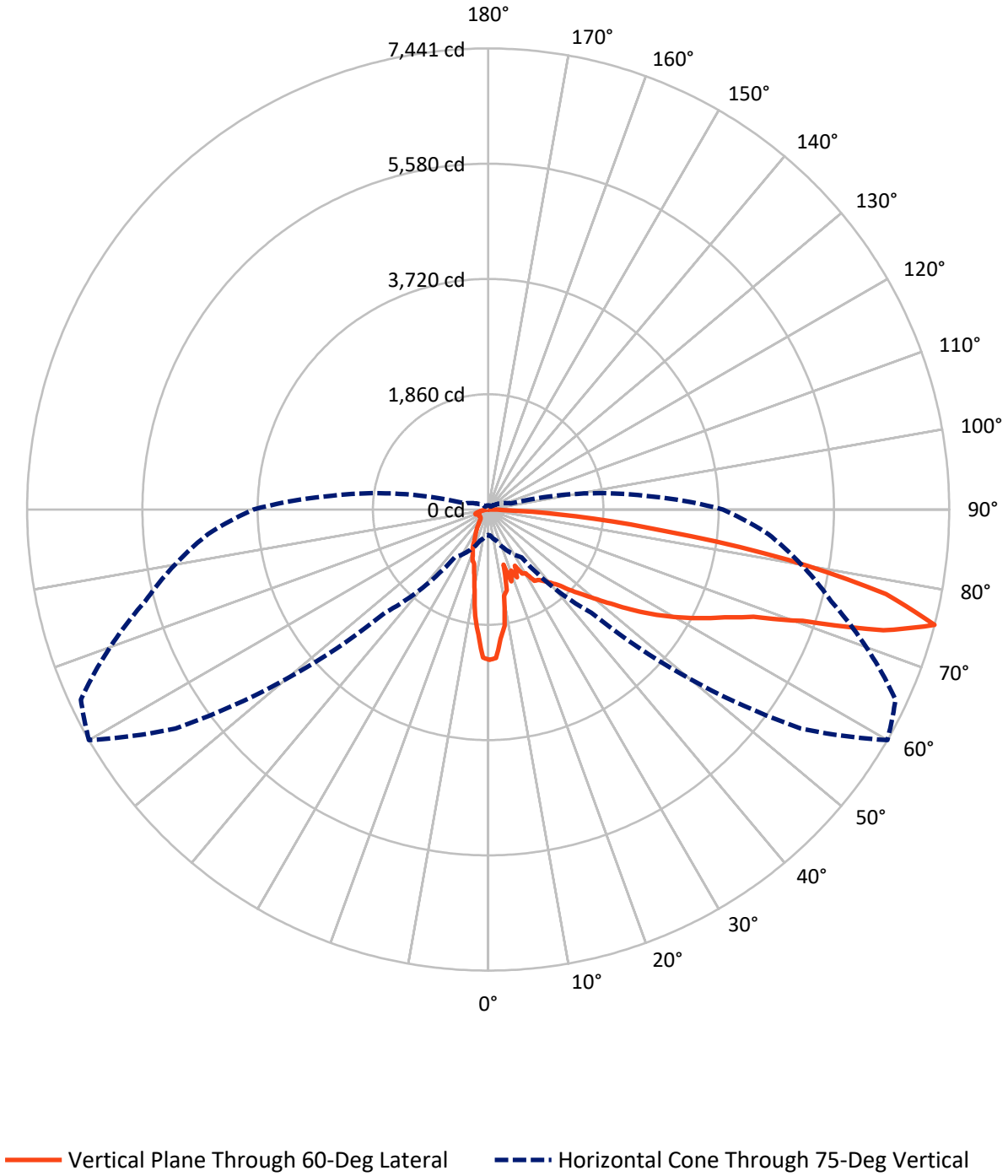
Luminous Intensity Polar Plot



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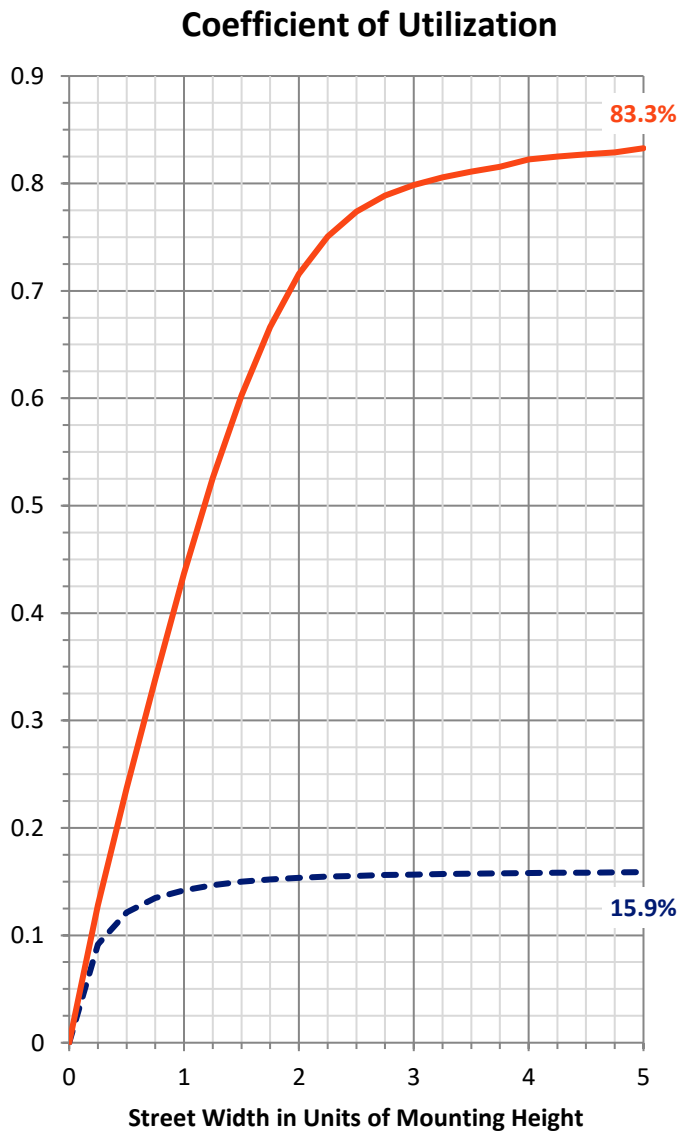
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1367.2	0.0	1367.2
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	7138.7	0.0	7138.7
	% Fixture	83.9	0.0	83.9
Total	Lumens	8505.8	0.0	8505.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.0	2.1
10°-20°	319.3	3.8
20°-30°	418.3	4.9
30°-40°	690.3	8.1
40°-50°	1078.0	12.7
50°-60°	1641.1	19.3
60°-70°	2033.4	23.9
70°-80°	1796.4	21.1
80°-90°	352.1	4.1
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°	8505.8	100.0
0°-180°	8505.8	100.0



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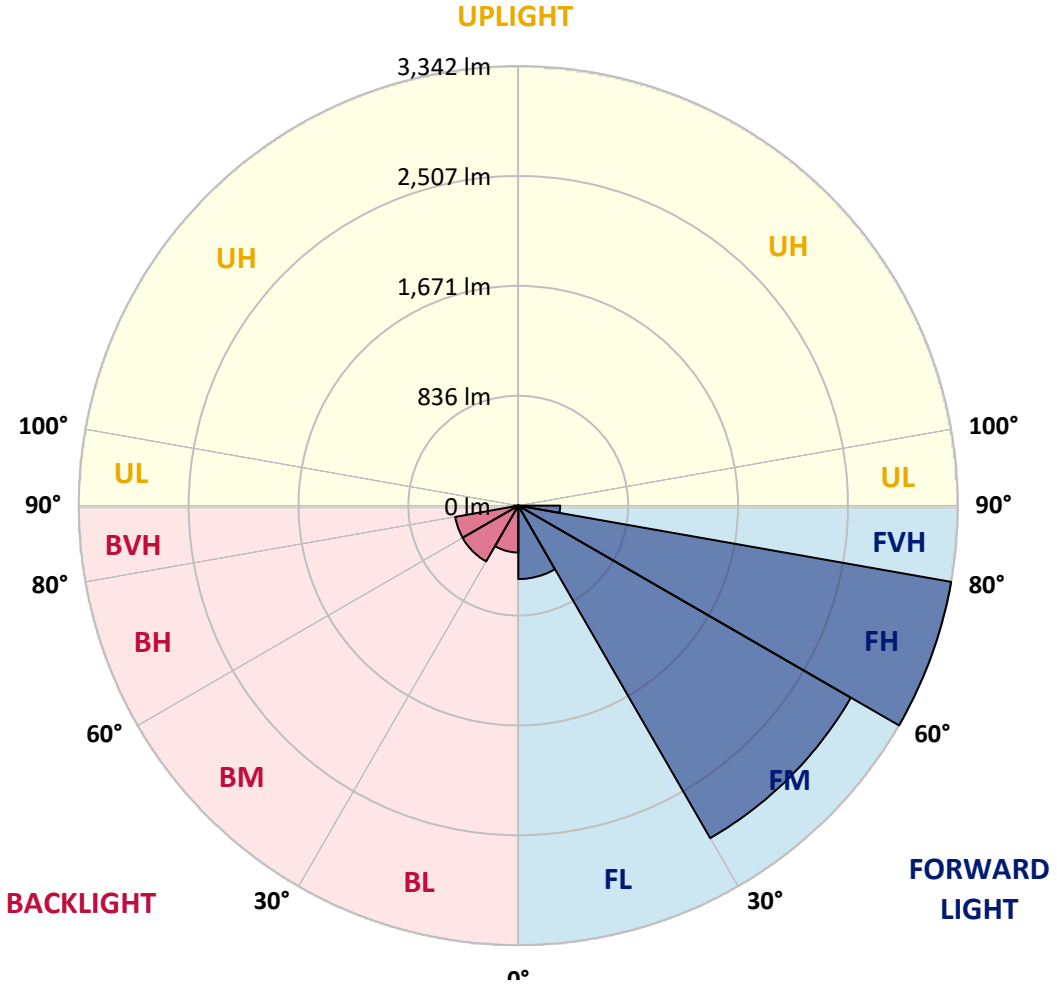
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	558.4	6.6			
FM	(30°-60°)	2919.5	34.3			
FH	(60°-80°)	3342.2	39.3			G2/5000
FVH	(80°-90°)	318.6	3.7			G3/500
BL	(0°-30°)	356.2	4.2	B1/500		
BM	(30°-60°)	489.9	5.8	B1/1000		
BH	(60°-80°)	487.6	5.7	B1/500		G1/500
BVH	(80°-90°)	33.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2
2.5°	2015.1	2242.4	2189.5	2136.6	2217.5	2295.4	2320.3	2342.1	2354.6	2367.0	2379.5
5°	1871.8	1874.9	1878.0	1881.2	1890.5	1896.7	1909.2	1921.7	1934.1	1943.5	1955.9
7.5°	1445.1	1495.0	1575.9	1656.9	1706.8	1753.5	1781.5	1806.4	1825.1	1843.8	1862.5
10°	1607.1	1616.4	1619.5	1619.5	1635.1	1650.7	1532.3	1410.9	1470.0	1529.2	1463.8
12.5°	1261.4	1295.6	1398.4	1498.1	1529.2	1557.3	1501.2	1445.1	1357.9	1267.6	1261.4
15°	1448.2	1457.6	1460.7	1460.7	1364.2	1267.6	1202.2	1133.7	1186.6	1236.5	1121.2
17.5°	1121.2	1130.6	1211.5	1292.5	1308.1	1323.7	1255.1	1186.6	1034.0	878.3	1024.7
20°	1333.0	1339.2	1339.2	1339.2	1177.3	1015.3	1027.8	1037.1	1087.0	1136.8	1096.3
22.5°	1074.5	1074.5	1074.5	1074.5	1124.3	1171.1	1071.4	971.7	1027.8	1083.8	1034.0
25°	1351.7	1361.0	1339.2	1314.3	1164.8	1015.3	1062.0	1108.8	1024.7	940.6	1015.3
27.5°	1233.3	1224.0	1180.4	1133.7	1155.5	1177.3	1074.5	971.7	1037.1	1102.5	1071.4
30°	1638.2	1610.2	1563.5	1516.8	1339.2	1161.7	1133.7	1105.7	1049.6	990.4	1055.8
32.5°	2177.0	2105.4	1887.4	1669.4	1560.4	1451.4	1311.2	1171.1	1158.6	1143.0	1161.7
35°	2320.3	2273.6	2183.3	2089.8	1903.0	1713.0	1535.5	1354.8	1295.6	1233.3	1245.8
37.5°	2348.3	2332.8	2314.1	2292.3	2102.3	1912.3	1719.2	1526.1	1463.8	1398.4	1351.7
40°	2370.1	2382.6	2416.9	2448.0	2258.0	2064.9	1890.5	1713.0	1647.6	1579.1	1498.1
42.5°	2469.8	2504.1	2547.7	2588.2	2413.7	2239.3	2086.7	1934.1	1850.0	1765.9	1691.2
45°	2700.3	2719.0	2765.7	2809.3	2644.2	2476.0	2301.6	2124.1	2052.5	1980.8	1906.1
47.5°	3036.6	3067.8	3064.7	3061.6	2877.8	2690.9	2494.7	2295.4	2248.7	2198.8	2127.2
50°	3460.2	3438.4	3379.2	3320.1	3120.7	2918.3	2687.8	2454.2	2432.4	2407.5	2348.3
52.5°	3672.0	3656.4	3575.5	3491.4	3288.9	3086.5	2837.3	2585.0	2613.1	2641.1	2585.0
55°	3684.5	3675.1	3615.9	3556.8	3360.6	3164.3	2943.2	2722.1	2790.6	2859.1	2837.3
57.5°	3594.1	3597.3	3578.6	3556.8	3382.4	3207.9	3024.2	2840.4	2958.8	3074.0	3095.8
60°	3363.7	3410.4	3441.5	3472.7	3363.7	3254.7	3095.8	2937.0	3117.6	3298.3	3357.4
62.5°	2937.0	2977.5	3089.6	3198.6	3220.4	3239.1	3133.2	3024.2	3267.1	3506.9	3603.5
65°	2276.7	2332.8	2501.0	2669.1	2843.5	3018.0	3042.9	3067.8	3478.9	3890.0	3971.0
67.5°	1420.2	1451.4	1628.9	1803.3	2155.2	2504.1	2703.4	2902.7	3612.8	4319.8	4447.5
70°	750.6	797.3	884.5	968.6	1270.7	1572.8	1977.7	2382.6	3410.4	4438.2	4961.4
72.5°	570.0	588.6	635.4	682.1	788.0	893.9	1149.3	1404.6	2669.1	3930.5	5135.8
75°	*411.1*	*426.7*	*476.5*	*523.2*	*629.1*	*731.9*	*837.8*	*940.6*	*1647.6*	*2354.6*	*4257.5*
77.5°	239.8	246.0	271.0	292.8	457.8	622.9	738.1	850.3	1021.6	1189.7	3039.8
80°	165.1	168.2	177.5	186.9	258.5	330.1	551.3	772.4	850.3	925.0	2015.1
82.5°	109.0	124.6	130.8	137.0	162.0	186.9	323.9	457.8	672.7	884.5	1376.6
85°	56.1	62.3	74.7	84.1	96.5	105.9	146.4	183.8	557.5	928.1	990.4
87.5°	6.2	9.3	12.5	12.5	15.6	18.7	28.0	37.4	168.2	299.0	255.4
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°	2426.2	*2426.2*	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2
2.5°	2391.9	*2398.2*	2395.1	2401.3	2404.4	2407.5	2410.6	2410.6	2407.5	2401.3	2395.1
5°	1968.4	*2093.0*	2304.7	2326.5	2348.3	2354.6	2360.8	2363.9	2357.7	2348.3	2339.0
7.5°	1878.0	*1896.7*	1706.8	1859.4	2008.9	2021.3	2030.7	2024.4	2027.5	1943.5	1856.2
10°	1398.4	*1414.0*	1420.2	1466.9	1510.5	1613.3	1716.1	1700.5	1688.1	1538.6	1386.0
12.5°	1255.1	*1336.1*	1354.8	1276.9	1199.1	1305.0	1410.9	1398.4	1376.6	1239.6	1102.5
15°	1006.0	*921.9*	1102.5	1270.7	1435.8	1535.5	1632.0	1604.0	1579.1	1404.6	1227.1
17.5°	1167.9	*1217.8*	1158.6	1183.5	1208.4	1283.2	1354.8	1311.2	1295.6	1174.2	1049.6
20°	1055.8	*1052.7*	1012.2	1158.6	1305.0	1451.4	1594.6	1551.0	1476.3	1239.6	999.8
22.5°	984.2	*1186.6*	1273.8	1255.1	1233.3	1177.3	1118.1	1080.7	1024.7	971.7	915.7
25°	1087.0	*1002.9*	1071.4	1295.6	1516.8	1557.3	1597.7	1504.3	1382.8	1143.0	903.2
27.5°	1040.2	*1171.1*	1258.3	1407.8	1554.1	1694.3	1834.4	1709.9	1551.0	1252.0	949.9
30°	1121.2	*1192.9*	1435.8	1716.1	1996.4	2046.2	2093.0	1921.7	1709.9	1407.8	1105.7
32.5°	1180.4	*1370.4*	1585.3	1803.3	2018.2	2055.6	2093.0	1899.9	1656.9	1323.7	990.4
35°	1255.1	*1395.3*	1591.5	1846.9	2102.3	2111.6	2117.9	1893.6	1619.5	1242.7	862.7
37.5°	1305.0	*1463.8*	1675.6	1946.6	2217.5	2198.8	2177.0	1921.7	1607.1	1186.6	766.2
40°	1417.1	*1554.1*	1781.5	2058.7	2335.9	2304.7	2273.6	1980.8	1610.2	1130.6	647.8
42.5°	1613.3	*1666.3*	1912.3	2208.2	2504.1	2469.8	2432.4	2083.6	1647.6	1099.4	548.2
45°	1828.2	*1853.1*	2064.9	2401.3	2737.7	2694.1	2650.4	2242.4	1716.1	1083.8	451.6
47.5°	2052.5	*2046.2*	2242.4	2650.4	3055.3	2961.9	2868.5	2429.3	1843.8	1115.0	386.2
50°	2286.1	*2276.7*	2466.7	2905.8	3345.0	3245.3	3145.7	2653.6	1990.2	1171.1	348.8
52.5°	2525.9	*2547.7*	2687.8	3145.7	3600.4	3510.1	3416.6	2896.5	2133.4	1233.3	333.3
55°	2812.4	*2880.9*	2937.0	3394.8	3852.6	3762.3	3668.9	3145.7	2332.8	1329.9	327.0
57.5°	3114.5	*3204.8*	3229.7	3647.1	4064.4	4005.3	3943.0	3382.4	2535.2	1442.0	345.7
60°	3416.6	*3535.0*	3625.3	3961.7	4294.9	4226.4	4157.9	3622.2	2725.2	1566.6	408.0
62.5°	3696.9	*3862.0*	4008.4	4254.4	4497.4	4416.4	4335.4	3830.8	2940.1	1737.9	532.6
65°	4048.9	*4195.2*	4354.1	4516.0	4674.9	4597.0	4519.2	4092.5	3226.6	1952.8	675.8
67.5°	4575.2	*4618.8*	4699.8	4799.5	4896.0	4849.3	4799.5	4413.3	3475.8	2077.4	675.8
70°	5481.5	*5385.0*	5263.5	5260.4	5254.2	5179.4	5101.6	4593.9	3491.4	2027.5	563.7
72.5°	6338.0	*6668.2*	6282.0	6001.7	5721.4	5391.2	5058.0	4351.0	3083.4	1765.9	448.5
75°	*6157.4*	*7440.6*	*7253.7*	*6493.8*	*5733.8*	*5135.8*	*4537.8*	*3790.4*	*2538.3*	*1460.7*	*383.1*
77.5°	4886.7	*6565.4*	6742.9	6045.3	5344.5	4534.7	3721.8	2930.8	1759.7	1040.2	320.8
80°	3102.1	*4908.5*	4939.6	4291.8	3640.9	2771.9	1903.0	1276.9	847.1	551.3	255.4
82.5°	1868.7	*2905.8*	2529.0	1812.6	1096.3	759.9	420.5	404.9	311.5	230.5	149.5
85°	1052.7	*1423.3*	1021.6	669.6	317.7	227.4	133.9	143.3	137.0	112.1	84.1
87.5°	208.7	*246.0*	168.2	96.5	24.9	24.9	21.8	21.8	15.6	15.6	12.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2	2426.2
2.5°	2395.1	2395.1	2388.8	2382.6	2379.5	2376.4	2282.9	2189.5	2127.2	2061.8	2046.2
5°	2223.8	2108.5	2021.3	1934.1	1915.4	1896.7	1893.6	1890.5	1881.2	1868.7	1865.6
7.5°	1756.6	1653.8	1725.4	1794.0	1781.5	1765.9	1756.6	1744.1	1722.3	1700.5	1591.5
10°	1351.7	1317.4	1317.4	1314.3	1289.4	1264.5	1320.6	1376.6	1438.9	1501.2	1495.0
12.5°	1152.4	1199.1	1077.6	953.0	1021.6	1087.0	1149.3	1208.4	1239.6	1270.7	1174.2
15°	1087.0	943.7	903.2	862.7	893.9	925.0	834.7	741.3	812.9	884.5	900.1
17.5°	974.8	900.1	859.6	816.0	697.7	576.2	616.7	657.2	654.0	650.9	635.4
20°	909.4	816.0	744.4	669.6	613.6	557.5	498.3	436.0	408.0	376.9	451.6
22.5°	865.8	816.0	666.5	517.0	473.4	429.8	383.1	333.3	351.9	367.5	380.0
25°	756.8	607.3	523.2	439.1	370.6	299.0	302.1	305.2	289.6	274.1	345.7
27.5°	766.2	579.3	448.5	317.7	292.8	264.7	249.2	230.5	255.4	277.2	283.4
30°	803.5	501.4	380.0	258.5	230.5	202.4	211.8	218.0	218.0	218.0	249.2
32.5°	713.2	436.0	323.9	208.7	193.1	174.4	177.5	177.5	193.1	208.7	224.2
35°	604.2	342.6	264.7	183.8	168.2	152.6	158.8	165.1	180.6	196.2	218.0
37.5°	520.1	271.0	218.0	165.1	155.7	146.4	149.5	152.6	168.2	180.6	199.3
40°	439.1	227.4	193.1	158.8	149.5	140.2	143.3	143.3	155.7	168.2	180.6
42.5°	380.0	208.7	183.8	155.7	146.4	133.9	137.0	137.0	146.4	155.7	165.1
45°	327.0	199.3	177.5	152.6	143.3	130.8	130.8	127.7	137.0	143.3	149.5
47.5°	292.8	196.2	174.4	152.6	140.2	124.6	121.5	118.4	127.7	133.9	143.3
50°	274.1	196.2	174.4	149.5	133.9	118.4	115.2	112.1	124.6	133.9	149.5
52.5°	267.8	199.3	174.4	149.5	130.8	112.1	112.1	112.1	133.9	155.7	162.0
55°	267.8	205.6	177.5	146.4	127.7	109.0	115.2	121.5	127.7	133.9	133.9
57.5°	274.1	202.4	171.3	140.2	127.7	112.1	109.0	105.9	109.0	112.1	112.1
60°	302.1	196.2	165.1	133.9	118.4	102.8	99.7	96.5	102.8	105.9	105.9
62.5°	364.4	193.1	165.1	133.9	115.2	96.5	96.5	93.4	96.5	99.7	102.8
65°	445.4	214.9	174.4	133.9	115.2	96.5	90.3	84.1	90.3	93.4	93.4
67.5°	464.1	252.3	202.4	149.5	121.5	93.4	87.2	81.0	87.2	90.3	90.3
70°	420.5	277.2	218.0	158.8	127.7	93.4	87.2	77.9	81.0	84.1	81.0
72.5°	361.3	271.0	214.9	155.7	124.6	90.3	84.1	74.7	77.9	77.9	74.7
75°	*308.3*	*233.6*	*183.8*	*130.8*	*105.9*	*77.9*	*71.6*	*65.4*	*68.5*	*68.5*	*68.5*
77.5°	258.5	193.1	149.5	102.8	84.1	62.3	59.2	56.1	59.2	62.3	59.2
80°	202.4	146.4	112.1	74.7	62.3	46.7	49.8	49.8	52.9	52.9	52.9
82.5°	118.4	87.2	71.6	52.9	43.6	34.3	37.4	40.5	43.6	43.6	43.6
85°	71.6	56.1	46.7	37.4	31.1	21.8	28.0	31.1	31.1	31.1	28.0
87.5°	12.5	12.5	12.5	12.5	9.3	6.2	12.5	15.6	15.6	15.6	12.5
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°	2426.2	2426.2	2426.2	2426.2
2.5°	2027.5	2027.5	2024.4	2024.4
5°	1862.5	1856.2	1850.0	1856.2
7.5°	1482.5	1438.9	1395.3	1407.8
10°	1485.6	1482.5	1479.4	1476.3
12.5°	1074.5	1040.2	1006.0	984.2
15°	912.6	903.2	890.8	890.8
17.5°	616.7	588.6	560.6	541.9
20°	526.4	541.9	554.4	560.6
22.5°	392.4	404.9	417.3	423.6
25°	414.2	445.4	473.4	476.5
27.5°	286.5	302.1	314.6	308.3
30°	280.3	289.6	299.0	299.0
32.5°	239.8	264.7	289.6	292.8
35°	239.8	252.3	264.7	267.8
37.5°	214.9	224.2	230.5	233.6
40°	193.1	199.3	202.4	202.4
42.5°	171.3	186.9	199.3	199.3
45°	152.6	193.1	233.6	246.0
47.5°	149.5	208.7	267.8	280.3
50°	162.0	218.0	271.0	277.2
52.5°	165.1	196.2	224.2	224.2
55°	130.8	146.4	158.8	155.7
57.5°	112.1	124.6	133.9	133.9
60°	105.9	121.5	133.9	137.0
62.5°	102.8	109.0	115.2	121.5
65°	93.4	93.4	93.4	93.4
67.5°	87.2	87.2	84.1	84.1
70°	77.9	77.9	77.9	77.9
72.5°	71.6	71.6	71.6	68.5
75°	*65.4*	*65.4*	*62.3*	*62.3*
77.5°	56.1	56.1	56.1	56.1
80°	49.8	49.8	46.7	46.7
82.5°	40.5	40.5	37.4	34.3
85°	24.9	24.9	21.8	18.7
87.5°	9.3	9.3	6.2	3.1
90°	0.0	0.0	0.0	0.0

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