

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: P560343

Luminaire Tested: **SDL-PA1-40-727-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-727-U-T2U
Description: Springdale
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4195.6 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 39.4
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

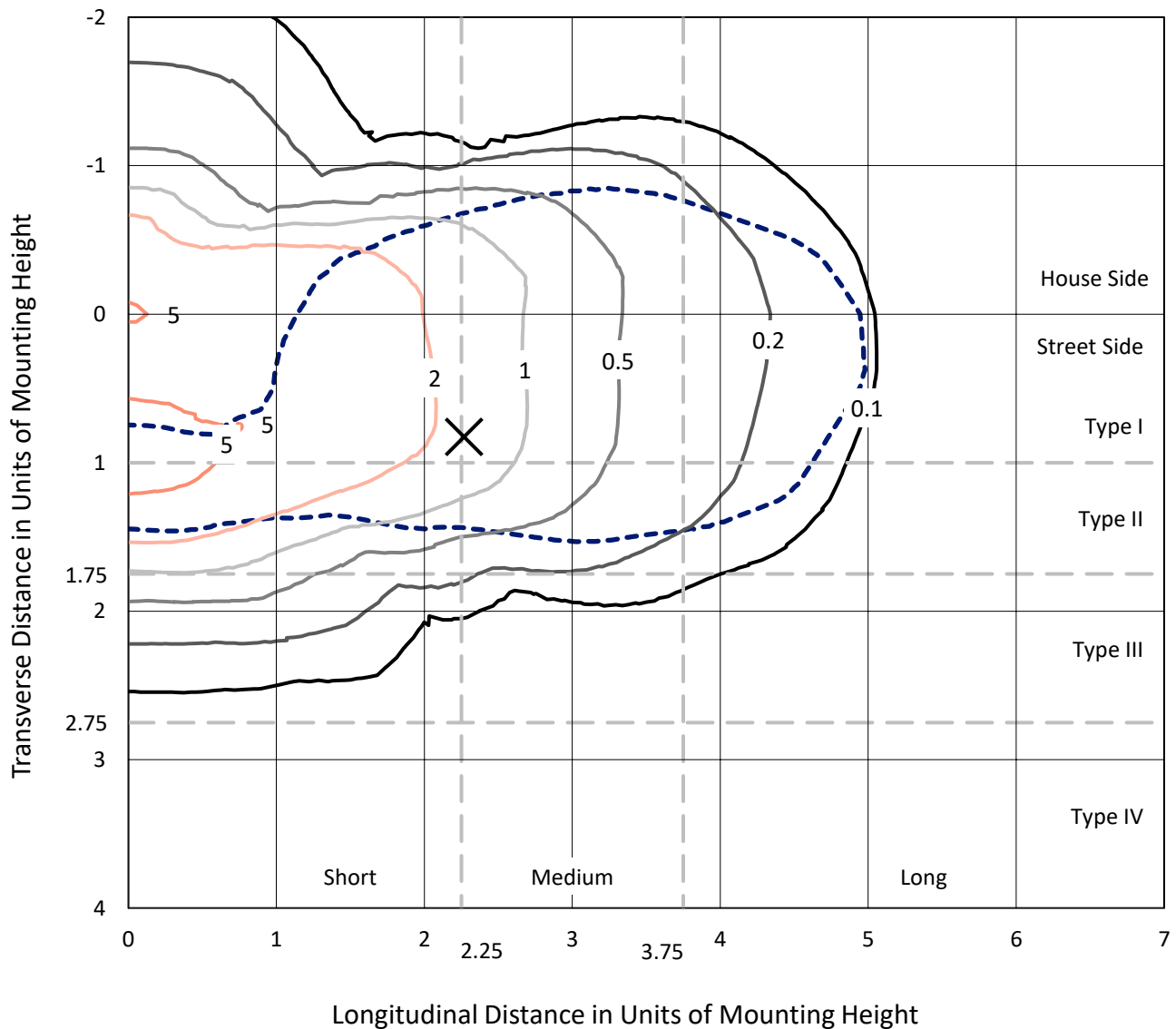


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

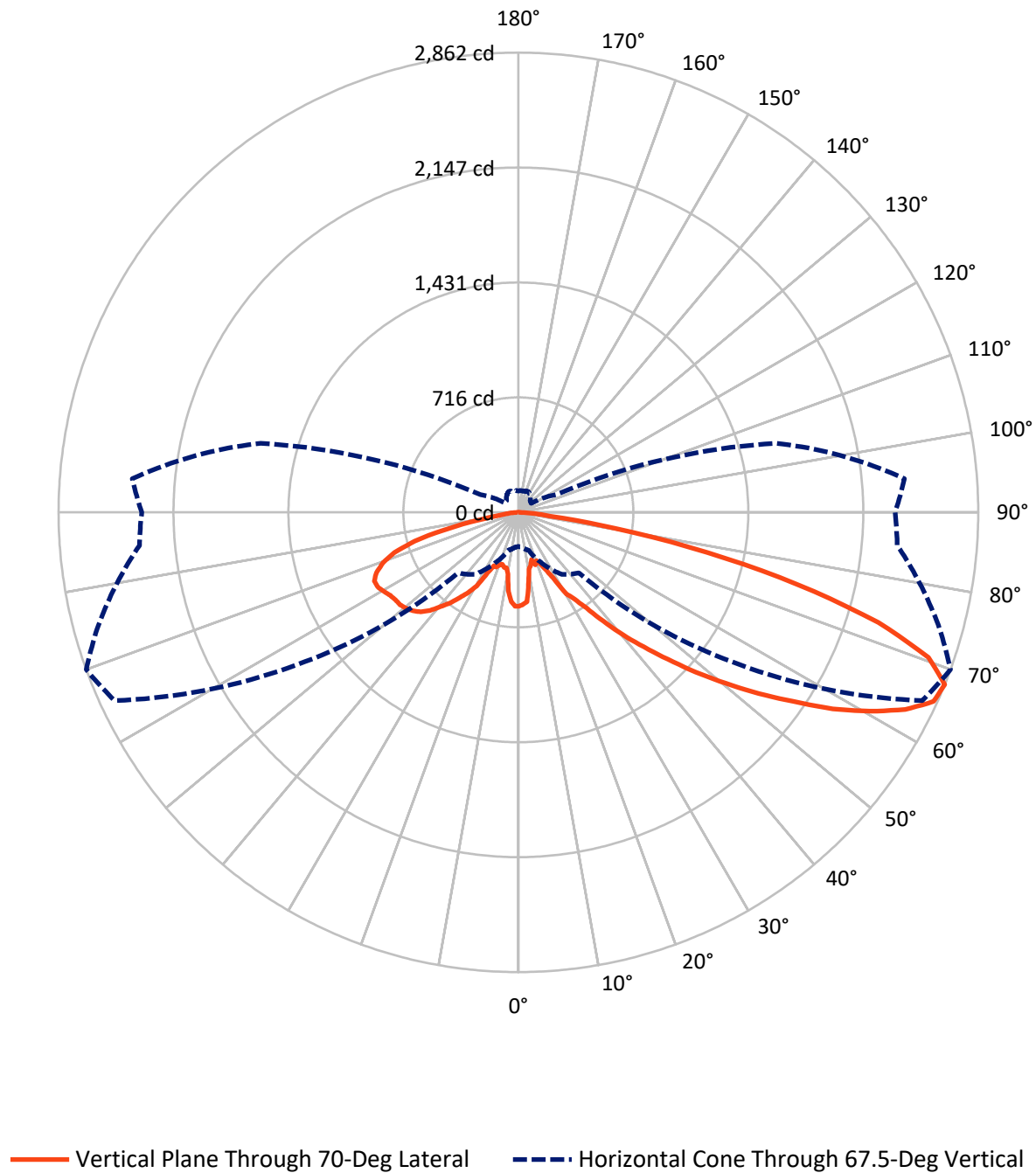


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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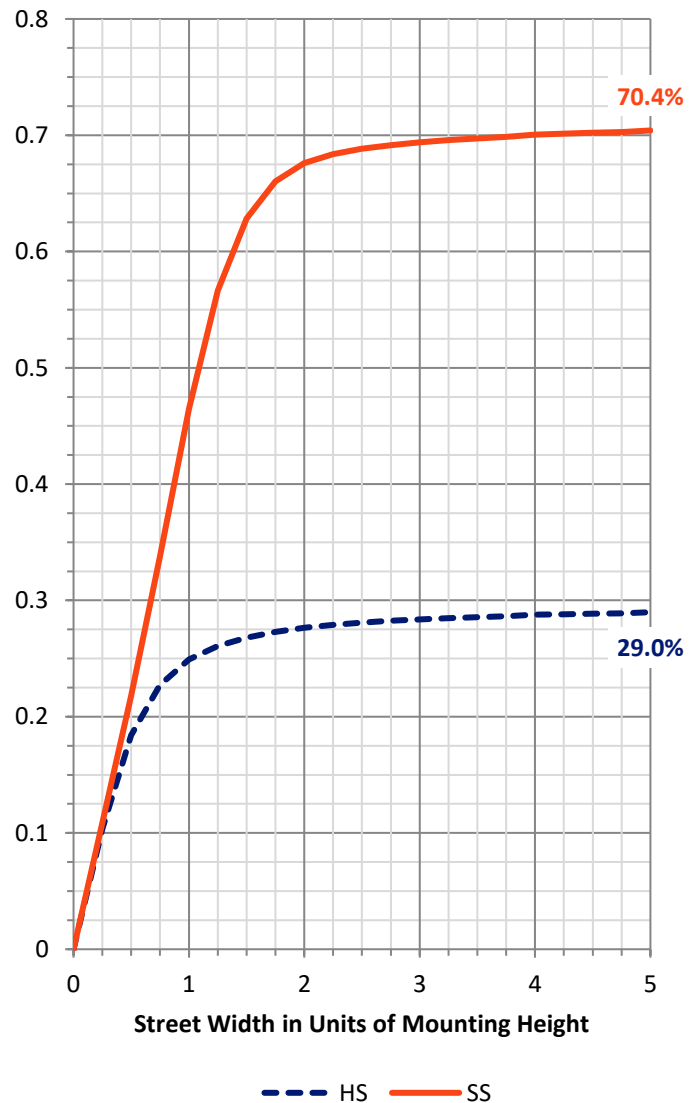
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1230.4	0.0	1230.4
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	2965.2	0.0	2965.2
	% Fixture	70.7	0.0	70.7
Total	Lumens	4195.6	0.0	4195.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	1.1
10°-20°	109.9	2.6
20°-30°	195.2	4.7
30°-40°	412.6	9.8
40°-50°	755.3	18.0
50°-60°	1030.4	24.6
60°-70°	971.4	23.2
70°-80°	587.9	14.0
80°-90°	86.4	2.1
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°	4195.6	100.0
0°-180°	4195.6	100.0

Coefficient of Utilization



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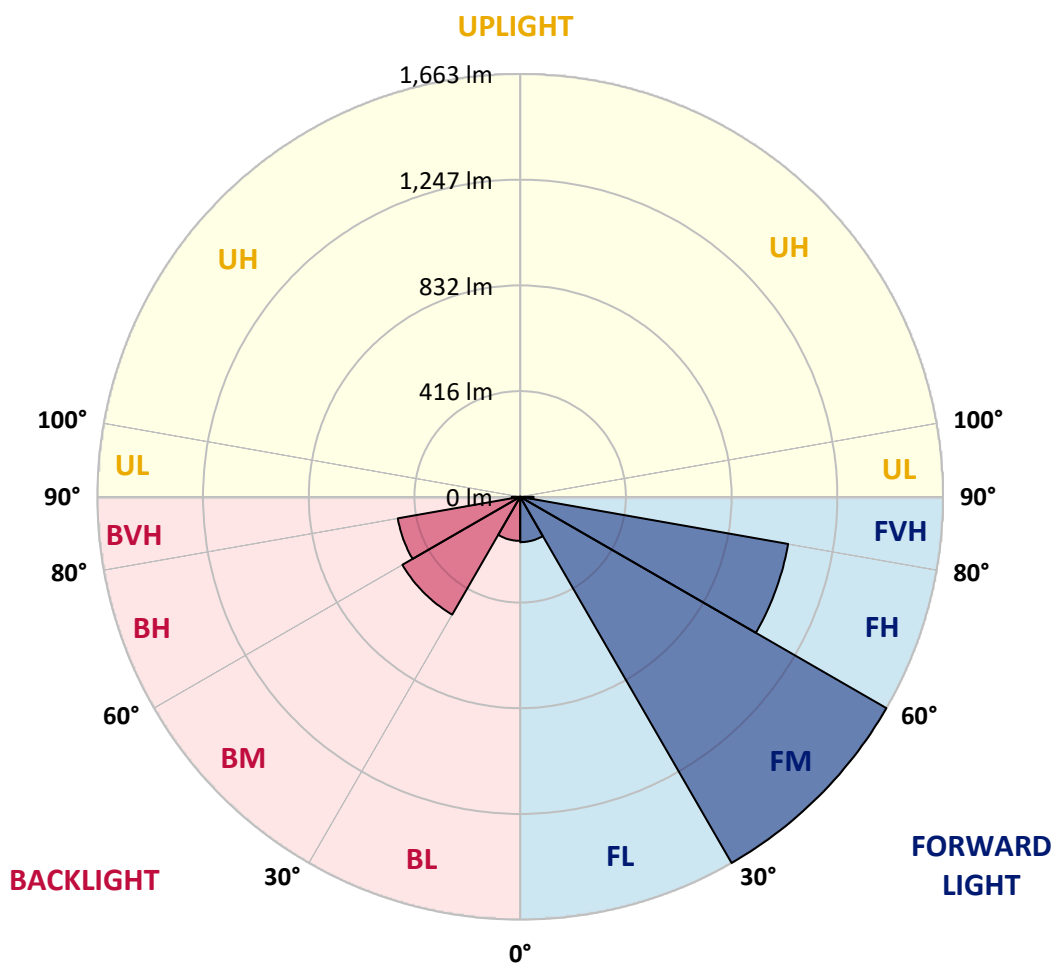
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.5	4.3			
FM	(30°-60°)	1663.3	39.6			
FH	(60°-80°)	1070.4	25.5			G1/1800
FVH	(80°-90°)	53.0	1.3			G1/100
BL	(0°-30°)	173.3	4.1	B1/500		
BM	(30°-60°)	534.9	12.7	B1/1000		
BH	(60°-80°)	488.8	11.7	B1/500		G1/500
BVH	(80°-90°)	33.4	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2
2.5°	490.6	495.1	525.3	555.5	557.0	557.0	558.5	560.0	564.6	567.6	570.6
5°	457.4	460.4	460.4	460.4	461.9	463.4	464.9	464.9	468.0	469.5	472.5
7.5°	383.4	413.6	424.2	433.2	439.3	443.8	446.8	449.8	452.9	455.9	458.9
10°	436.3	436.3	437.8	437.8	437.8	436.3	406.1	374.4	389.5	404.6	381.9
12.5°	359.3	365.3	392.5	418.1	425.7	431.7	416.6	400.0	372.9	345.7	342.7
15°	427.2	427.2	427.2	425.7	398.5	369.8	341.2	311.0	329.1	347.2	320.0
17.5°	369.8	369.8	392.5	413.6	412.1	409.1	383.4	356.2	314.0	270.2	304.9
20°	466.4	464.9	457.4	448.3	392.5	336.6	348.7	360.8	363.8	365.3	354.7
22.5°	416.6	418.1	427.2	436.3	437.8	439.3	374.4	307.9	345.7	383.4	347.2
25°	579.7	576.6	563.1	548.0	486.1	422.7	434.7	446.8	384.9	321.5	360.8
27.5°	551.0	541.9	535.9	529.8	540.4	551.0	493.6	434.7	448.3	461.9	412.1
30°	788.0	788.0	772.9	756.3	662.7	567.6	552.5	537.4	501.2	463.4	472.5
32.5°	997.8	997.8	941.9	884.6	828.7	772.9	698.9	624.9	609.8	593.2	578.1
35°	1255.9	1248.4	1216.7	1183.5	1062.7	941.9	846.8	751.7	721.6	691.4	676.3
37.5°	1497.5	1480.8	1437.1	1391.8	1265.0	1136.7	1011.4	886.1	852.9	819.7	786.5
40°	1696.7	1687.7	1657.5	1625.8	1482.4	1339.0	1197.1	1053.7	1009.9	966.1	917.8
42.5°	1879.4	1871.8	1844.6	1816.0	1674.1	1530.7	1396.3	1260.5	1195.5	1130.6	1073.3
45°	2013.7	2001.6	1983.5	1963.9	1850.7	1736.0	1600.1	1462.7	1437.1	1411.4	1299.7
47.5°	2056.0	2034.8	2031.8	2028.8	1938.2	1847.7	1739.0	1630.3	1634.8	1639.3	1509.5
50°	1994.1	1962.4	1976.0	1989.6	1953.3	1915.6	1831.1	1746.5	1784.3	1820.5	1717.8
52.5°	1769.2	1761.6	1796.3	1829.5	1838.6	1847.7	1829.5	1809.9	1879.4	1948.8	1911.1
55°	1459.7	1492.9	1541.2	1589.5	1627.3	1663.5	1716.3	1769.2	1888.4	2007.7	2034.8
57.5°	1150.3	1185.0	1240.8	1296.7	1340.5	1384.2	1492.9	1601.6	1781.2	1960.9	2083.2
60°	774.4	810.6	902.7	993.3	1055.2	1117.1	1215.2	1313.3	1539.7	1766.1	2013.7
62.5°	516.3	504.2	581.2	656.6	756.3	855.9	899.7	941.9	1178.9	1414.4	1814.5
65°	317.0	318.5	348.7	377.4	487.6	596.3	631.0	664.2	798.5	932.9	1477.8
67.5°	212.8	217.4	231.0	244.5	297.4	350.2	410.6	471.0	502.7	532.9	1077.8
70°	188.7	190.2	196.2	202.3	217.4	232.5	288.3	344.2	326.1	306.4	611.4
72.5°	166.0	167.6	178.1	187.2	194.7	202.3	235.5	268.7	247.6	226.4	304.9
75°	135.9	140.4	151.0	160.0	175.1	188.7	196.2	203.8	193.2	181.1	196.2
77.5°	111.7	114.7	122.3	129.8	144.9	158.5	166.0	173.6	157.0	140.4	149.4
80°	87.6	89.1	95.1	101.1	113.2	123.8	132.8	140.4	125.3	108.7	113.2
82.5°	52.8	54.3	63.4	70.9	81.5	90.6	96.6	101.1	105.7	108.7	95.1
85°	28.7	28.7	34.7	40.8	42.3	43.8	49.8	54.3	67.9	80.0	69.4
87.5°	4.5	4.5	6.0	6.0	9.1	10.6	12.1	12.1	13.6	13.6	15.1
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°	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2
2.5°	572.1	573.6	573.6	573.6	575.1	576.6	578.1	578.1	579.7	581.2	582.7
5°	475.5	514.7	552.5	558.5	563.1	566.1	569.1	570.6	573.6	576.6	578.1
7.5°	461.9	461.9	461.9	451.3	490.6	495.1	499.7	502.7	505.7	502.7	498.1
10°	357.8	357.8	356.2	359.3	375.9	404.6	431.7	434.7	437.8	413.6	387.9
12.5°	338.1	342.7	347.2	339.6	309.5	335.1	360.8	365.3	366.8	345.7	323.0
15°	291.3	292.8	294.4	304.9	366.8	392.5	418.1	422.7	427.2	404.6	380.4
17.5°	338.1	327.6	315.5	344.2	320.0	336.6	351.7	315.5	348.7	342.7	336.6
20°	344.2	307.9	270.2	321.5	375.9	401.5	425.7	428.7	430.2	412.1	392.5
22.5°	311.0	345.7	380.4	345.7	324.5	321.5	318.5	317.0	318.5	329.1	338.1
25°	400.0	356.2	312.5	392.5	442.3	454.4	466.4	460.4	457.4	434.7	412.1
27.5°	362.3	397.0	430.2	463.4	478.5	495.1	510.2	514.7	490.6	466.4	442.3
30°	480.0	501.2	520.8	588.7	638.5	653.6	668.7	653.6	644.6	614.4	582.7
32.5°	561.5	603.8	646.1	644.6	691.4	703.4	714.0	694.4	677.8	644.6	609.8
35°	661.2	688.3	715.5	730.6	777.4	781.9	786.5	760.8	736.7	697.4	658.2
37.5°	753.3	788.0	821.2	858.9	899.7	890.6	880.1	848.4	809.1	778.9	748.7
40°	868.0	910.2	952.5	1000.8	1025.0	1011.4	996.3	948.0	910.2	878.5	846.8
42.5°	1014.4	1059.7	1103.5	1145.7	1154.8	1139.7	1123.1	1070.3	1012.9	981.2	948.0
45°	1186.5	1222.7	1258.9	1302.7	1320.8	1293.7	1265.0	1198.6	1130.6	1085.4	1040.1
47.5°	1378.2	1394.8	1411.4	1486.9	1511.0	1465.8	1419.0	1346.5	1251.4	1192.5	1132.1
50°	1615.2	1610.7	1604.6	1671.0	1726.9	1651.4	1574.4	1489.9	1396.3	1313.3	1228.8
52.5°	1873.3	1829.5	1784.3	1873.3	1900.5	1809.9	1719.4	1628.8	1535.2	1428.0	1319.3
55°	2062.0	2037.9	2013.7	2077.1	2074.1	1968.4	1861.2	1754.1	1677.1	1533.7	1390.3
57.5°	2203.9	2225.0	2244.7	2308.1	2235.6	2114.9	1994.1	1886.9	1820.5	1640.9	1461.2
60°	2259.8	2368.5	2475.6	2513.4	2403.2	2267.3	2129.9	2024.3	1968.4	1751.1	1533.7
62.5°	2214.5	2454.5	2694.5	2702.1	2557.1	2404.7	2252.2	2166.2	2137.5	1870.3	1601.6
65°	2022.8	2418.3	2812.3	2839.4	2676.4	2516.4	2354.9	2291.5	2309.6	1982.0	1652.9
67.5°	1621.2	2197.9	2773.0	2862.1	2705.1	2536.0	2366.9	2344.3	2412.2	2036.4	1660.5
70°	916.3	1689.2	2460.5	2708.1	2625.1	2457.5	2288.4	2299.0	2400.2	2006.2	1612.2
72.5°	381.9	1168.4	1954.8	2342.8	2415.2	2273.4	2129.9	2169.2	2238.6	1864.3	1488.4
75°	211.3	745.7	1280.1	1796.3	2019.8	1982.0	1942.8	1986.5	1953.3	1591.0	1228.8
77.5°	157.0	403.0	649.1	1203.1	1520.1	1606.1	1690.7	1711.8	1526.1	1162.3	798.5
80°	117.7	191.7	264.2	614.4	815.1	969.1	1123.1	1028.0	898.2	628.0	357.8
82.5°	81.5	110.2	138.9	197.7	317.0	365.3	412.1	392.5	294.4	206.8	117.7
85°	57.4	72.5	87.6	108.7	135.9	108.7	81.5	66.4	77.0	70.9	64.9
87.5°	15.1	15.1	13.6	15.1	10.6	9.1	7.5	6.0	6.0	6.0	6.0
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°	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2
2.5°	584.2	585.7	585.7	585.7	585.7	584.2	576.6	569.1	551.0	532.9	526.8
5°	558.5	538.9	523.8	508.7	508.7	508.7	511.7	514.7	516.3	517.8	519.3
7.5°	498.1	496.6	502.7	508.7	513.2	517.8	520.8	523.8	517.8	511.7	498.1
10°	389.5	389.5	397.0	403.0	413.6	424.2	454.4	484.6	510.2	535.9	540.4
12.5°	353.2	381.9	365.3	347.2	384.9	422.7	455.9	487.6	513.2	537.4	517.8
15°	354.7	327.6	333.6	339.6	380.4	421.2	391.0	359.3	419.6	478.5	492.1
17.5°	338.1	339.6	366.8	394.0	353.2	311.0	363.8	416.6	439.3	460.4	440.8
20°	347.2	300.4	332.1	363.8	392.5	419.6	392.5	363.8	371.3	378.9	430.2
22.5°	366.8	395.5	368.3	341.2	374.4	406.1	392.5	378.9	403.0	425.7	404.6
25°	365.3	317.0	362.3	407.6	377.4	345.7	362.3	378.9	366.8	353.2	392.5
27.5°	421.2	400.0	387.9	374.4	391.0	407.6	372.9	338.1	338.1	338.1	333.6
30°	526.8	471.0	446.8	421.2	380.4	339.6	327.6	315.5	317.0	318.5	341.2
32.5°	588.7	567.6	495.1	422.7	384.9	347.2	315.5	283.8	286.8	289.8	318.5
35°	643.1	626.5	529.8	431.7	369.8	306.4	279.3	250.6	264.2	276.2	300.4
37.5°	705.0	659.7	528.3	395.5	329.1	262.7	246.1	229.4	238.5	246.1	261.1
40°	760.8	673.3	514.7	354.7	288.3	220.4	212.8	203.8	211.3	218.9	227.9
42.5°	821.2	692.9	495.1	295.9	243.0	190.2	187.2	184.2	191.7	199.3	205.3
45°	868.0	695.9	469.5	241.5	206.8	172.1	172.1	170.6	178.1	184.2	187.2
47.5°	898.2	662.7	428.7	193.2	178.1	163.0	164.5	164.5	170.6	175.1	176.6
50°	919.3	608.3	389.5	170.6	163.0	155.5	155.5	155.5	161.5	166.0	169.1
52.5°	934.4	548.0	353.2	157.0	154.0	149.4	149.4	147.9	155.5	163.0	164.5
55°	938.9	486.1	317.0	146.4	143.4	140.4	143.4	144.9	154.0	161.5	163.0
57.5°	949.5	437.8	286.8	135.9	134.3	132.8	137.4	141.9	151.0	160.0	160.0
60°	970.6	406.1	265.7	125.3	125.3	125.3	132.8	138.9	147.9	157.0	155.5
62.5°	990.3	377.4	246.1	114.7	116.2	117.7	126.8	135.9	144.9	154.0	152.5
65°	993.3	332.1	218.9	105.7	108.7	110.2	120.8	131.3	140.4	149.4	146.4
67.5°	960.1	259.6	178.1	96.6	101.1	104.2	116.2	126.8	135.9	143.4	140.4
70°	899.7	185.7	137.4	89.1	93.6	96.6	108.7	119.3	126.8	134.3	131.3
72.5°	810.6	132.8	107.2	81.5	84.5	87.6	98.1	108.7	117.7	125.3	122.3
75°	668.7	107.2	90.6	74.0	77.0	78.5	89.1	98.1	107.2	114.7	110.2
77.5°	443.8	87.6	77.0	66.4	67.9	69.4	78.5	86.0	93.6	99.6	96.6
80°	214.4	70.9	64.9	57.4	58.9	58.9	66.4	74.0	80.0	84.5	83.0
82.5°	87.6	55.9	51.3	46.8	46.8	46.8	54.3	60.4	66.4	70.9	67.9
85°	54.3	43.8	40.8	36.2	34.7	33.2	36.2	39.2	42.3	43.8	42.3
87.5°	7.5	7.5	9.1	10.6	9.1	6.0	9.1	12.1	12.1	10.6	9.1
90°	0.0	0.0	4.5	4.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	584.2	584.2	584.2	584.2
2.5°	520.8	520.8	520.8	523.8
5°	519.3	519.3	519.3	522.3
7.5°	484.6	469.5	454.4	455.9
10°	543.4	544.9	544.9	546.4
12.5°	496.6	472.5	448.3	451.3
15°	505.7	505.7	504.2	505.7
17.5°	421.2	413.6	406.1	406.1
20°	481.5	481.5	481.5	481.5
22.5°	383.4	381.9	380.4	381.9
25°	431.7	433.2	433.2	431.7
27.5°	329.1	348.7	366.8	368.3
30°	362.3	362.3	362.3	362.3
32.5°	347.2	362.3	377.4	378.9
35°	323.0	321.5	320.0	324.5
37.5°	274.7	271.7	268.7	268.7
40°	237.0	231.0	224.9	224.9
42.5°	209.8	205.3	199.3	197.7
45°	190.2	185.7	179.6	179.6
47.5°	176.6	173.6	170.6	169.1
50°	170.6	167.6	164.5	164.5
52.5°	166.0	164.5	161.5	161.5
55°	163.0	161.5	158.5	158.5
57.5°	160.0	158.5	155.5	155.5
60°	154.0	152.5	151.0	151.0
62.5°	149.4	147.9	146.4	146.4
65°	143.4	143.4	141.9	140.4
67.5°	135.9	135.9	135.9	132.8
70°	126.8	126.8	126.8	123.8
72.5°	117.7	117.7	116.2	111.7
75°	105.7	104.2	102.6	99.6
77.5°	93.6	90.6	87.6	86.0
80°	80.0	77.0	74.0	70.9
82.5°	63.4	61.9	58.9	51.3
85°	39.2	34.7	28.7	25.7
87.5°	7.5	6.0	4.5	1.5
90°	0.0	0.0	0.0	0.0

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