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: P560413

Luminaire Tested: **SDL-PA1-40-750-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560413
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-40-750-U-T3
Description:	Springdale
	(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4939.4 lumens
Efficiency:	N/A
Efficacy:	125.4 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):	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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Scaled Data Report

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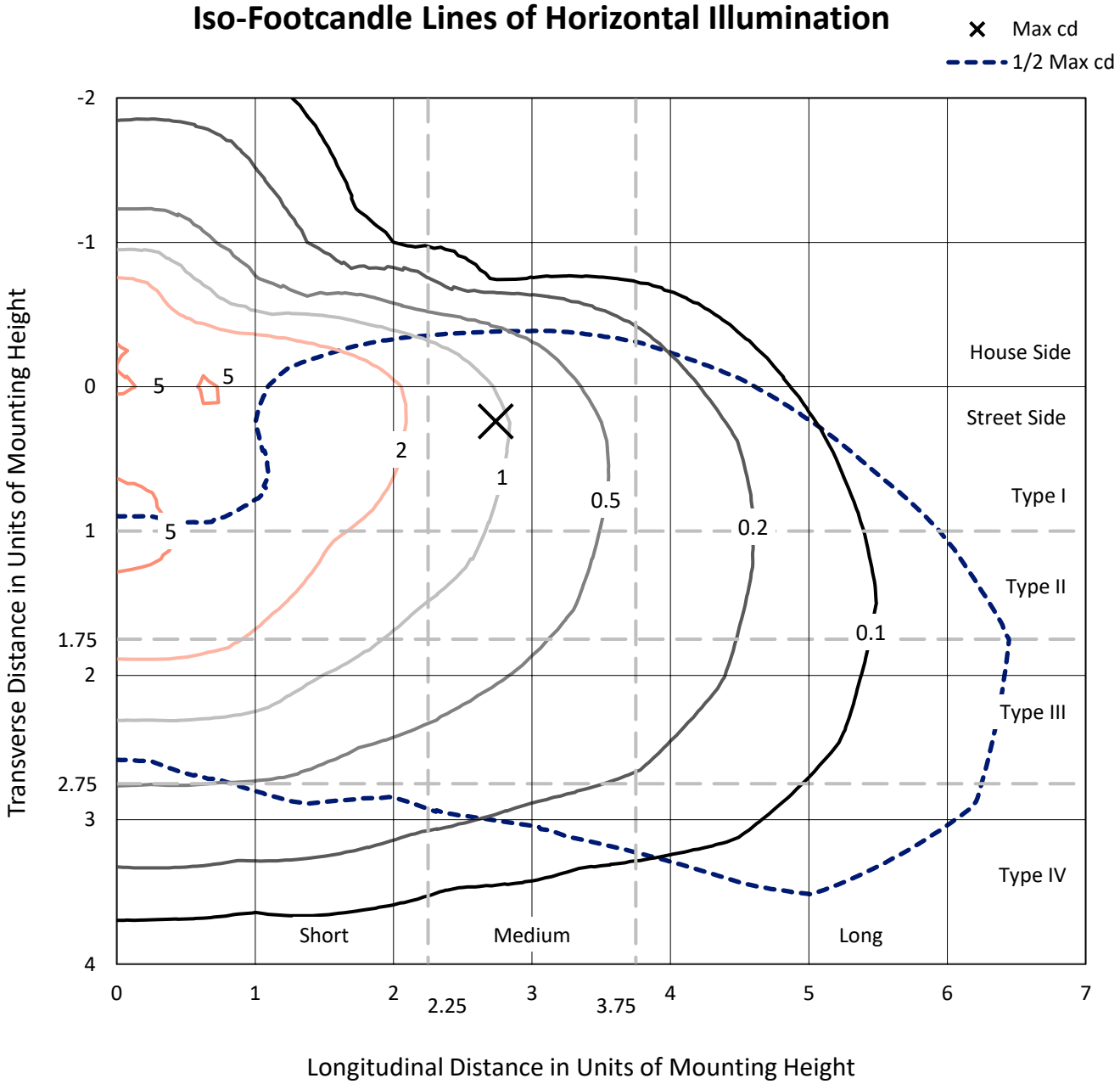
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 6 fc
Type IV - Medium - N/A

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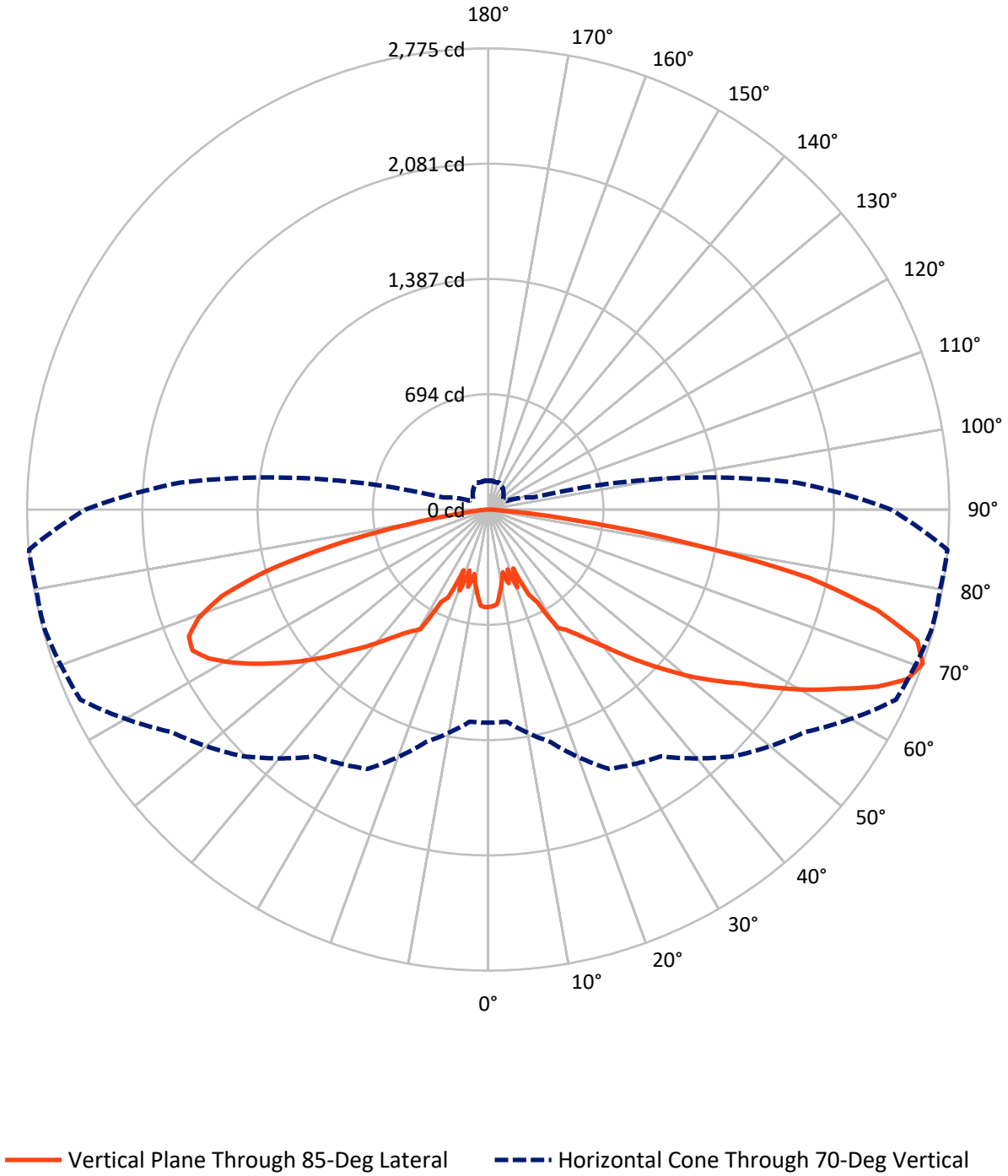
Luminous Intensity Polar Plot



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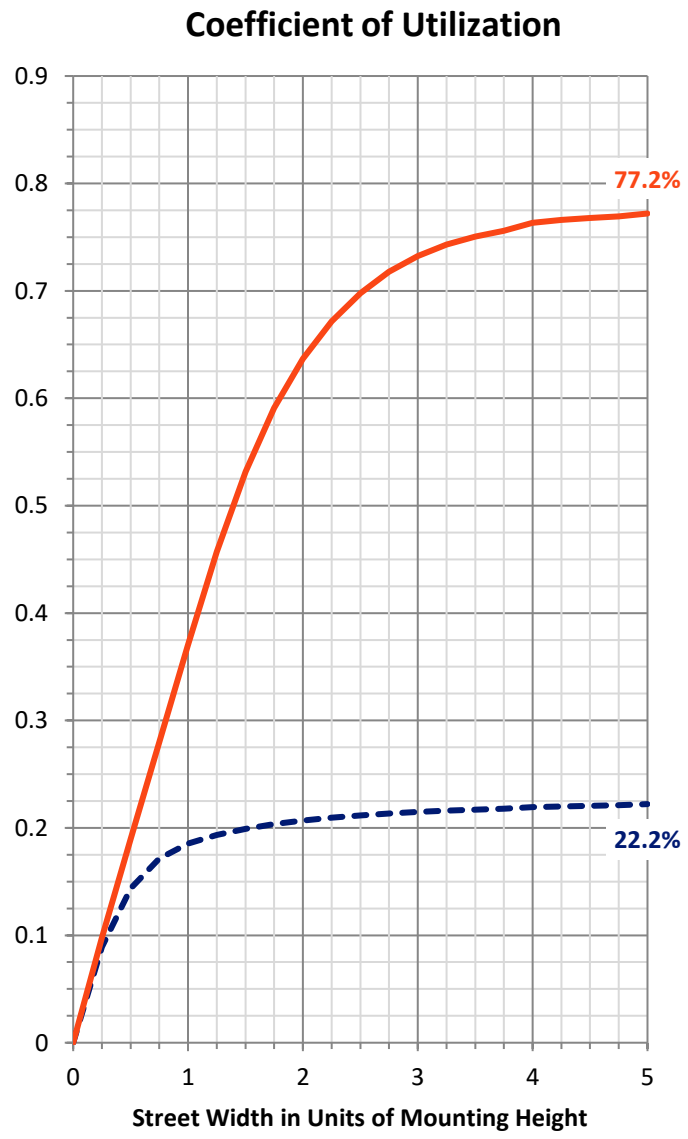
CATALOG NUMBER: SDL-PA1-40-750-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1116.8	0.0	1116.8
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	3822.6	0.0	3822.6
	% Fixture	77.4	0.0	77.4
Total	Lumens	4939.4	0.0	4939.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	1.0
10°-20°	119.3	2.4
20°-30°	218.0	4.4
30°-40°	411.6	8.3
40°-50°	670.6	13.6
50°-60°	1034.5	20.9
60°-70°	1268.0	25.7
70°-80°	993.0	20.1
80°-90°	176.8	3.6
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°	4939.4	100.0
0°-180°	4939.4	100.0



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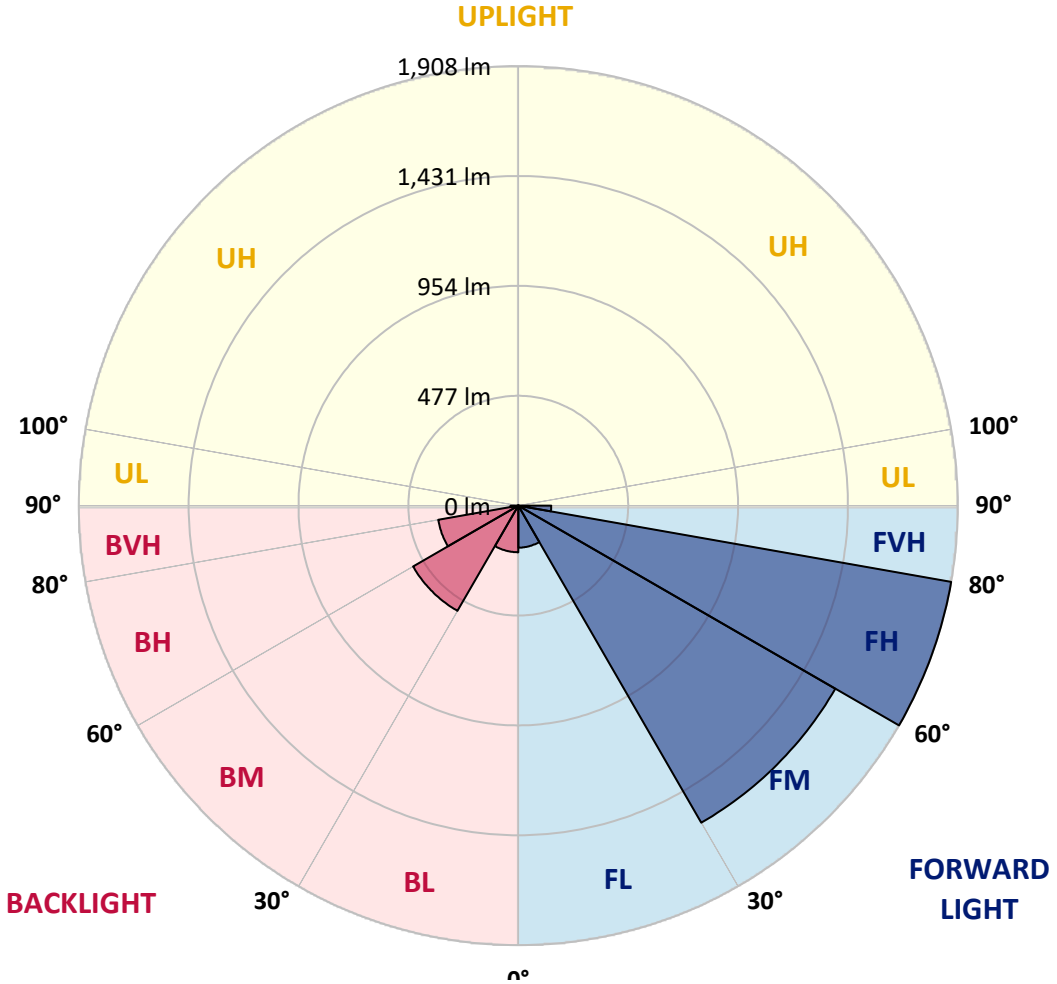
CATALOG NUMBER: SDL-PA1-40-750-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	182.4	3.7			
FM	(30°-60°)	1589.1	32.2			
FH	(60°-80°)	1907.9	38.6			G2/5000
FVH	(80°-90°)	143.2	2.9			G2/225
BL	(0°-30°)	202.6	4.1	B1/500		
BM	(30°-60°)	527.6	10.7	B1/1000		
BH	(60°-80°)	353.1	7.1	B1/500		G1/500
BVH	(80°-90°)	33.6	0.7			G1/100
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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	586.7	586.7	586.7	586.7	586.7	586.7	586.7	586.7	586.7	586.7	586.7
2.5°	483.8	527.2	527.2	527.2	536.2	543.4	547.0	548.8	556.0	561.5	565.1
5°	451.3	453.1	453.1	453.1	454.9	456.8	458.6	460.4	464.0	465.8	471.2
7.5°	379.1	386.3	400.8	413.4	422.4	431.5	438.7	444.1	447.7	451.3	453.1
10°	422.4	422.4	422.4	422.4	422.4	422.4	400.8	379.1	380.9	380.9	370.1
12.5°	353.8	364.7	380.9	395.4	408.0	418.8	404.4	390.0	362.9	335.8	335.8
15°	409.8	409.8	408.0	406.2	382.7	359.3	337.6	315.9	330.4	344.8	319.5
17.5°	352.0	353.8	375.5	395.4	391.8	386.3	366.5	344.8	310.5	274.4	310.5
20°	451.3	445.9	435.1	424.3	373.7	323.2	332.2	341.2	350.2	357.5	357.5
22.5°	415.2	418.8	426.1	433.3	427.9	420.6	368.3	315.9	346.6	377.3	350.2
25°	568.7	568.7	547.0	525.4	471.2	415.2	424.3	431.5	379.1	325.0	370.1
27.5°	525.4	521.7	512.7	501.9	512.7	521.7	474.8	426.1	440.5	454.9	417.0
30°	698.7	698.7	689.6	680.6	603.0	523.5	518.1	510.9	480.2	447.7	469.4
32.5°	837.7	835.9	794.3	752.8	709.5	664.4	617.4	568.7	565.1	561.5	557.8
35°	1003.8	1003.8	980.3	956.8	861.1	763.7	707.7	651.7	635.5	619.2	631.9
37.5°	1097.6	1110.3	1101.3	1090.4	985.7	879.2	801.6	722.1	705.9	689.6	695.1
40°	1227.6	1224.0	1222.2	1218.6	1097.6	976.7	893.6	808.8	798.0	787.1	787.1
42.5°	1424.4	1404.6	1382.9	1359.4	1236.7	1113.9	1021.8	927.9	908.1	886.4	888.2
45°	1695.2	1673.5	1623.0	1570.6	1446.1	1321.5	1198.7	1076.0	1041.7	1005.6	1002.0
47.5°	1861.3	1837.8	1812.6	1785.5	1651.9	1518.3	1391.9	1263.7	1213.2	1162.6	1142.8
50°	2032.8	2011.1	1991.3	1971.4	1854.1	1736.7	1610.4	1484.0	1404.6	1325.1	1290.8
52.5°	2195.3	2155.6	2135.7	2115.9	2016.6	1915.5	1783.7	1651.9	1592.3	1532.7	1458.7
55°	2274.7	2226.0	2218.8	2209.7	2135.7	2059.9	1933.5	1807.1	1740.3	1671.7	1597.7
57.5°	2162.8	2166.4	2206.1	2245.8	2204.3	2162.8	2043.6	1924.5	1857.7	1790.9	1734.9
60°	2061.7	2088.8	2137.5	2186.3	2189.9	2191.7	2128.5	2065.3	1991.3	1917.3	1873.9
62.5°	1922.7	1942.5	2018.4	2092.4	2148.4	2202.5	2137.5	2072.5	2047.3	2020.2	1993.1
65°	1734.9	1740.3	1827.0	1911.9	2013.0	2112.2	2061.7	2011.1	2054.5	2096.0	2099.6
67.5°	1505.7	1521.9	1606.8	1691.6	1814.4	1935.3	1933.5	1931.7	2023.8	2114.1	2177.2
70°	*1281.8*	*1281.8*	*1364.8*	*1447.9*	*1585.1*	*1722.3*	*1767.4*	*1812.6*	*1955.2*	*2097.8*	*2215.1*
72.5°	965.9	1011.0	1054.3	1097.6	1251.1	1402.7	1502.0	1601.3	1814.4	2025.6	2204.3
75°	532.6	536.2	574.1	612.0	765.5	918.9	1068.8	1218.6	1503.8	1789.1	2070.7
77.5°	175.1	169.7	191.4	211.2	301.5	390.0	516.3	642.7	956.8	1271.0	1724.1
80°	97.5	99.3	106.5	113.7	142.6	169.7	231.1	292.5	426.1	557.8	1095.8
82.5°	65.0	66.8	74.0	81.2	93.9	106.5	140.8	173.3	185.9	196.8	494.7
85°	41.5	43.3	46.9	50.5	54.2	56.0	79.4	102.9	93.9	84.9	148.0
87.5°	9.0	9.0	10.8	10.8	12.6	14.4	18.1	21.7	19.9	16.2	21.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	586.7	586.7	586.7	586.7	586.7	586.7	*586.7*	586.7	586.7	586.7	586.7
2.5°	566.9	570.5	572.3	574.1	575.9	579.5	*581.3*	583.1	586.7	588.5	588.5
5°	476.6	509.1	539.8	550.6	561.5	566.9	*570.5*	575.9	579.5	583.1	586.7
7.5°	454.9	456.8	458.6	471.2	483.8	494.7	*505.5*	509.1	518.1	512.7	505.5
10°	357.5	359.3	359.3	371.9	384.5	422.4	*447.7*	453.1	458.6	436.9	413.4
12.5°	334.0	343.0	352.0	346.6	341.2	368.3	*386.3*	393.6	397.2	382.7	368.3
15°	292.5	301.5	308.7	350.2	391.8	427.9	*460.4*	469.4	480.2	456.8	431.5
17.5°	346.6	343.0	337.6	344.8	352.0	361.1	*379.1*	384.5	384.5	391.8	399.0
20°	357.5	317.7	278.0	352.0	426.1	458.6	*500.1*	514.5	518.1	498.3	478.4
22.5°	321.4	366.5	411.6	402.6	393.6	384.5	*384.5*	390.0	395.4	399.0	402.6
25°	413.4	375.5	337.6	424.3	510.9	545.2	*565.1*	574.1	581.3	556.0	529.0
27.5°	379.1	429.7	478.4	516.3	554.2	592.2	*633.7*	673.4	624.6	601.2	577.7
30°	489.2	530.8	572.3	662.6	752.8	801.6	*826.8*	826.8	826.8	792.5	756.4
32.5°	554.2	626.5	698.7	747.4	794.3	843.1	*863.0*	863.0	863.0	821.4	778.1
35°	642.7	700.5	758.2	814.2	870.2	908.1	*922.5*	917.1	906.3	850.3	794.3
37.5°	700.5	778.1	855.7	913.5	969.5	992.9	*998.4*	982.1	965.9	891.8	816.0
40°	787.1	872.0	955.0	1016.4	1077.8	1097.6	*1086.8*	1065.1	1036.3	937.0	837.7
42.5°	888.2	973.1	1057.9	1130.1	1200.5	1213.2	*1196.9*	1162.6	1112.1	976.7	839.5
45°	998.4	1083.2	1166.2	1247.5	1328.7	1337.8	*1316.1*	1265.5	1191.5	1014.6	837.7
47.5°	1121.1	1187.9	1254.7	1370.3	1485.8	1475.0	*1442.5*	1384.7	1287.2	1059.7	830.5
50°	1256.5	1308.9	1359.4	1503.8	1648.3	1615.8	*1579.7*	1516.5	1388.3	1112.1	834.1
52.5°	1382.9	1433.4	1484.0	1633.8	1781.9	1751.2	*1711.5*	1655.5	1491.2	1168.1	843.1
55°	1523.7	1577.9	1632.0	1790.9	1949.8	1897.4	*1846.9*	1810.8	1592.3	1215.0	837.7
57.5°	1677.2	1745.8	1814.4	1960.6	2105.0	2049.1	*2020.2*	1973.2	1704.2	1271.0	837.7
60°	1830.6	1913.7	1996.7	2124.9	2253.1	2207.9	*2202.5*	2137.5	1808.9	1312.5	814.2
62.5°	1966.0	2090.6	2215.1	2316.2	2415.5	2372.2	*2374.0*	2298.2	1906.4	1321.5	734.8
65°	2103.2	2263.9	2422.8	2496.8	2570.8	2540.1	*2570.8*	2435.4	1971.4	1285.4	599.4
67.5°	2238.6	2415.5	2592.5	2648.4	2704.4	2686.3	*2722.4*	2480.5	1957.0	1191.5	424.3
70°	*2332.5*	*2520.3*	*2708.0*	*2736.9*	*2765.8*	*2762.2*	*2774.8*	*2424.6*	*1859.5*	*1070.6*	*279.8*
72.5°	2383.0	2560.0	2735.1	2747.7	2758.6	2753.1	*2700.8*	2249.5	1684.4	938.8	193.2
75°	2350.5	2522.1	2693.6	2668.3	2643.0	2592.5	*2417.3*	1937.1	1381.1	761.9	142.6
77.5°	2177.2	2363.2	2549.1	2484.1	2417.3	2269.3	*1975.0*	1451.5	960.4	536.2	110.1
80°	1633.8	1863.1	2092.4	2014.8	1935.3	1623.0	*1202.4*	812.4	496.5	290.7	84.9
82.5°	790.7	918.9	1047.1	1027.2	1007.4	745.6	*519.9*	292.5	142.6	104.7	66.8
85°	209.4	310.5	411.6	393.6	375.5	198.6	*86.7*	75.8	56.0	52.4	46.9
87.5°	25.3	28.9	30.7	21.7	10.8	9.0	*9.0*	5.4	5.4	7.2	7.2
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°	586.7	586.7	586.7	586.7	586.7	586.7	586.7	586.7	586.7	586.7	586.7
2.5°	592.2	594.0	594.0	594.0	594.0	594.0	579.5	565.1	561.5	557.8	550.6
5°	570.5	552.4	539.8	527.2	527.2	525.4	530.8	536.2	539.8	541.6	543.4
7.5°	507.3	509.1	519.9	529.0	538.0	545.2	550.6	554.2	550.6	545.2	523.5
10°	415.2	417.0	426.1	433.3	445.9	456.8	487.4	516.3	550.6	584.9	594.0
12.5°	395.4	420.6	406.2	391.8	431.5	469.4	509.1	547.0	574.1	599.4	581.3
15°	402.6	373.7	379.1	384.5	433.3	482.0	453.1	422.4	494.7	566.9	583.1
17.5°	400.8	400.8	427.9	454.9	409.8	362.9	429.7	494.7	523.5	550.6	529.0
20°	427.9	375.5	395.4	413.4	449.5	483.8	454.9	426.1	436.9	447.7	518.1
22.5°	445.9	487.4	442.3	395.4	427.9	460.4	454.9	449.5	482.0	514.5	496.5
25°	465.8	400.8	433.3	464.0	427.9	390.0	418.8	445.9	436.9	427.9	483.8
27.5°	534.4	489.2	447.7	406.2	427.9	447.7	426.1	402.6	411.6	420.6	417.0
30°	646.3	534.4	482.0	429.7	402.6	373.7	375.5	377.3	388.1	399.0	429.7
32.5°	675.2	572.3	496.5	420.6	402.6	384.5	368.3	350.2	366.5	382.7	418.8
35°	682.4	568.7	487.4	406.2	377.3	348.4	337.6	326.8	353.8	380.9	413.4
37.5°	678.8	539.8	453.1	366.5	344.8	323.2	317.7	310.5	328.6	344.8	368.3
40°	669.8	501.9	415.2	328.6	310.5	292.5	288.9	285.2	297.9	310.5	325.0
42.5°	653.5	465.8	379.1	292.5	279.8	267.2	263.6	258.2	269.0	279.8	285.2
45°	633.7	429.7	348.4	265.4	256.4	245.5	240.1	232.9	243.7	252.7	254.6
47.5°	613.8	395.4	321.4	245.5	238.3	229.3	223.9	216.6	225.7	232.9	234.7
50°	597.6	359.3	292.5	225.7	218.4	211.2	205.8	200.4	209.4	216.6	216.6
52.5°	588.5	332.2	267.2	202.2	198.6	195.0	193.2	189.6	196.8	204.0	205.8
55°	566.9	294.3	238.3	180.5	182.3	182.3	180.5	176.9	191.4	204.0	209.4
57.5°	543.4	249.1	207.6	164.3	167.9	171.5	173.3	175.1	191.4	205.8	213.0
60°	512.7	211.2	180.5	149.8	155.3	158.9	167.9	175.1	189.6	204.0	207.6
62.5°	458.6	180.5	158.9	137.2	144.4	151.6	162.5	173.3	184.1	195.0	195.0
65°	379.1	157.1	142.6	126.4	137.2	146.2	158.9	171.5	180.5	187.8	185.9
67.5°	283.4	140.8	130.0	117.3	130.0	140.8	151.6	162.5	173.3	184.1	180.5
70°	*204.0*	*126.4*	*119.2*	*110.1*	*121.0*	*131.8*	*142.6*	*153.5*	*164.3*	*175.1*	*173.3*
72.5°	155.3	115.5	108.3	101.1	111.9	121.0	133.6	146.2	157.1	167.9	164.3
75°	124.6	104.7	99.3	92.1	102.9	113.7	126.4	137.2	148.0	158.9	155.3
77.5°	102.9	93.9	88.5	83.0	92.1	101.1	113.7	126.4	137.2	146.2	142.6
80°	83.0	79.4	75.8	70.4	81.2	90.3	102.9	113.7	122.8	131.8	126.4
82.5°	65.0	63.2	61.4	57.8	66.8	75.8	88.5	101.1	108.3	115.5	111.9
85°	48.7	48.7	46.9	45.1	52.4	57.8	65.0	70.4	77.6	83.0	79.4
87.5°	7.2	7.2	10.8	12.6	12.6	12.6	18.1	23.5	23.5	21.7	18.1
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):

	165°	170°	175°	180°
0°	586.7	586.7	586.7	586.7
2.5°	543.4	543.4	543.4	545.2
5°	545.2	547.0	547.0	550.6
7.5°	500.1	498.3	496.5	496.5
10°	601.2	604.8	606.6	610.2
12.5°	561.5	539.8	518.1	518.1
15°	599.4	603.0	604.8	608.4
17.5°	507.3	505.5	503.7	500.1
20°	586.7	590.3	592.2	592.2
22.5°	478.4	478.4	476.6	476.6
25°	539.8	539.8	539.8	543.4
27.5°	411.6	424.3	436.9	453.1
30°	460.4	462.2	464.0	464.0
32.5°	454.9	478.4	501.9	505.5
35°	445.9	445.9	444.1	445.9
37.5°	391.8	386.3	379.1	382.7
40°	337.6	325.0	312.3	310.5
42.5°	290.7	279.8	267.2	267.2
45°	256.4	249.1	240.1	236.5
47.5°	234.7	227.5	220.3	218.4
50°	214.8	207.6	200.4	200.4
52.5°	207.6	202.2	195.0	193.2
55°	214.8	204.0	193.2	189.6
57.5°	218.4	205.8	193.2	187.8
60°	209.4	202.2	193.2	185.9
62.5°	193.2	189.6	185.9	182.3
65°	182.3	182.3	180.5	176.9
67.5°	176.9	178.7	178.7	175.1
70°	*169.7*	*173.3*	*175.1*	*171.5*
72.5°	160.7	162.5	162.5	157.1
75°	149.8	148.0	146.2	142.6
77.5°	137.2	135.4	131.8	128.2
80°	121.0	119.2	117.3	111.9
82.5°	106.5	110.1	111.9	92.1
85°	74.0	66.8	59.6	48.7
87.5°	14.4	10.8	5.4	5.4
90°	0.0	0.0	0.0	0.0

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