

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: P560633

Luminaire Tested: **SDL-PA1-50-827-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560633
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-PA1-50-827-U-T3
Description: Springdale
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4711.3 lumens
Efficiency: N/A
Efficacy: 89.9 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

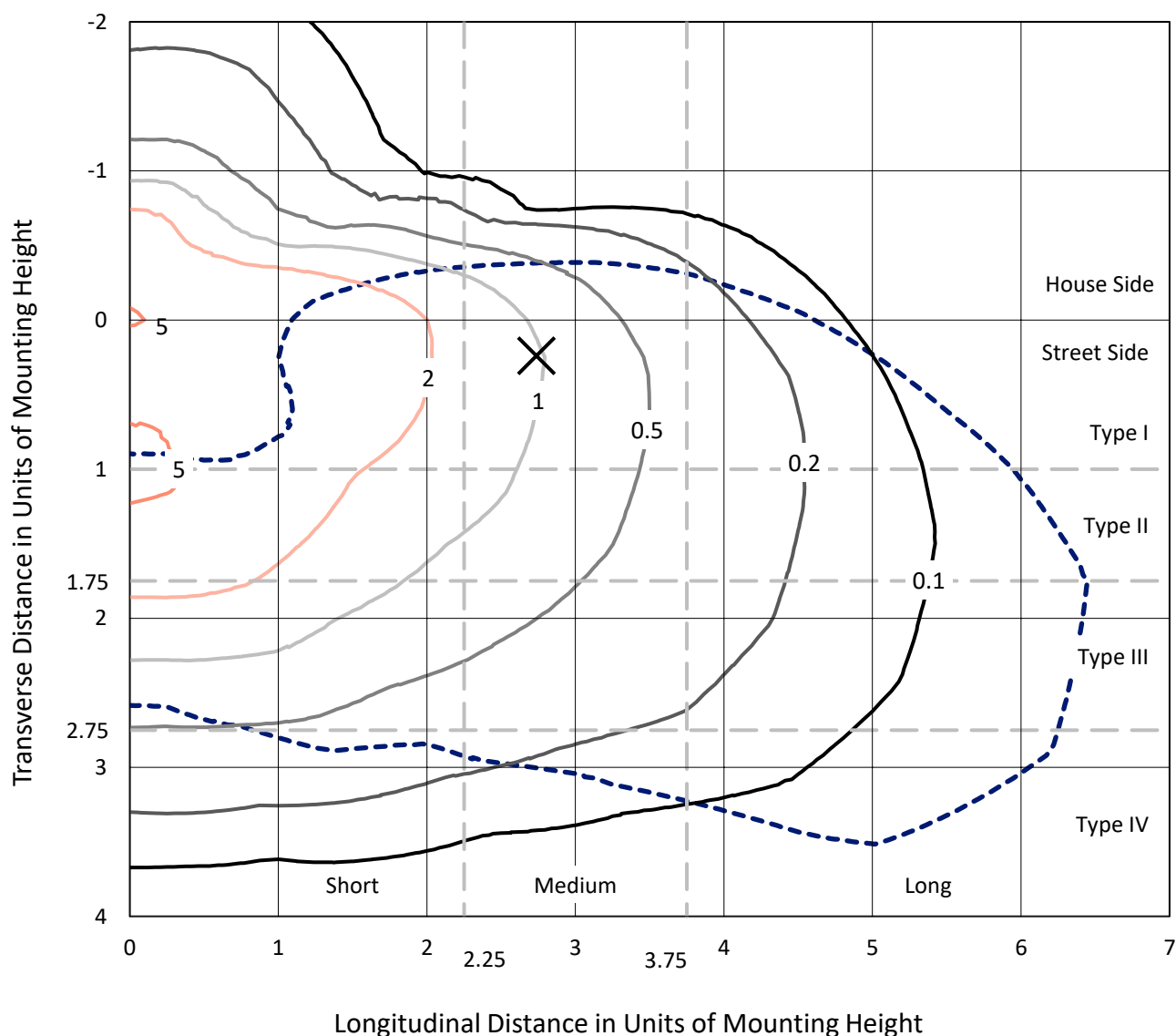


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

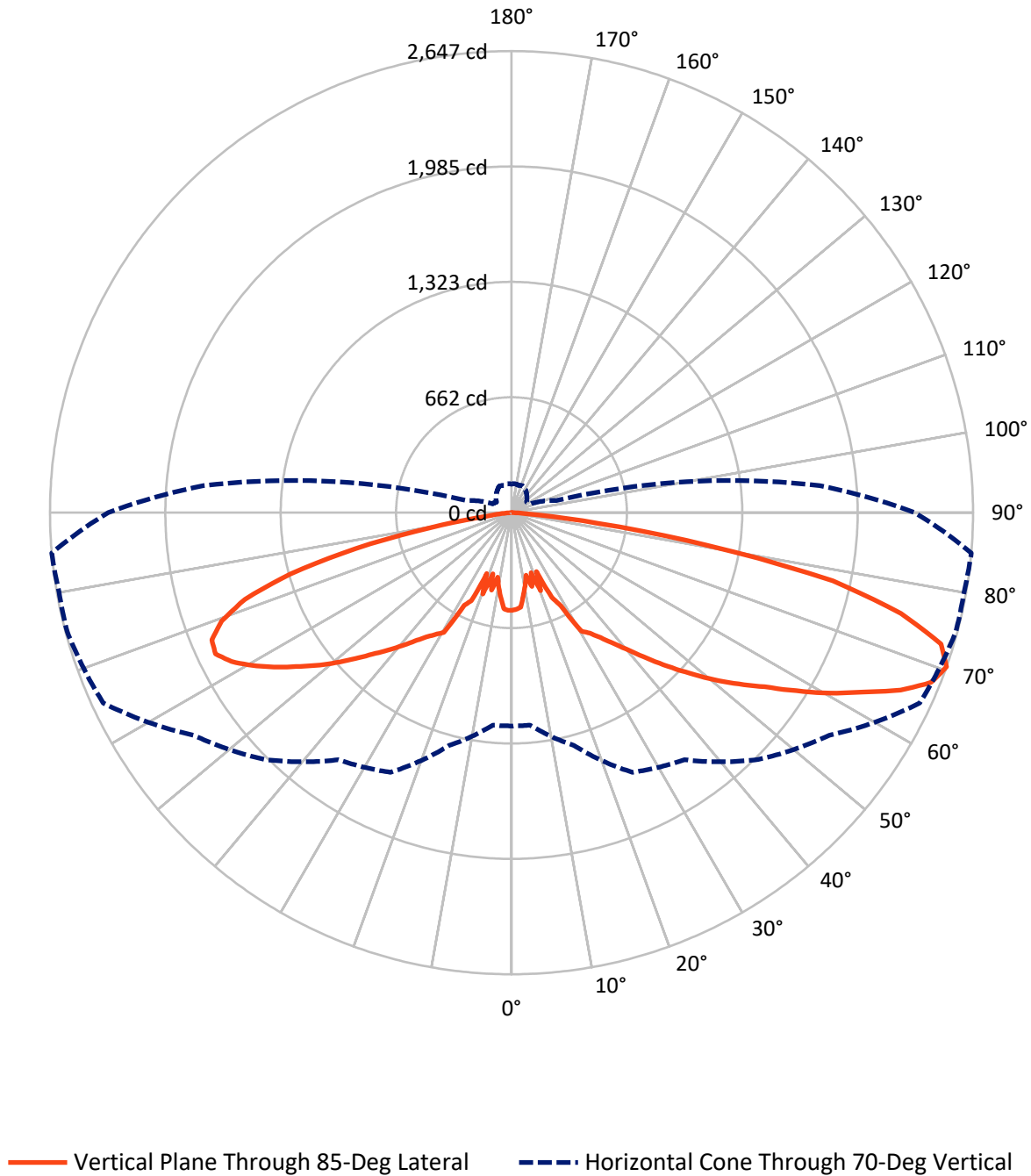


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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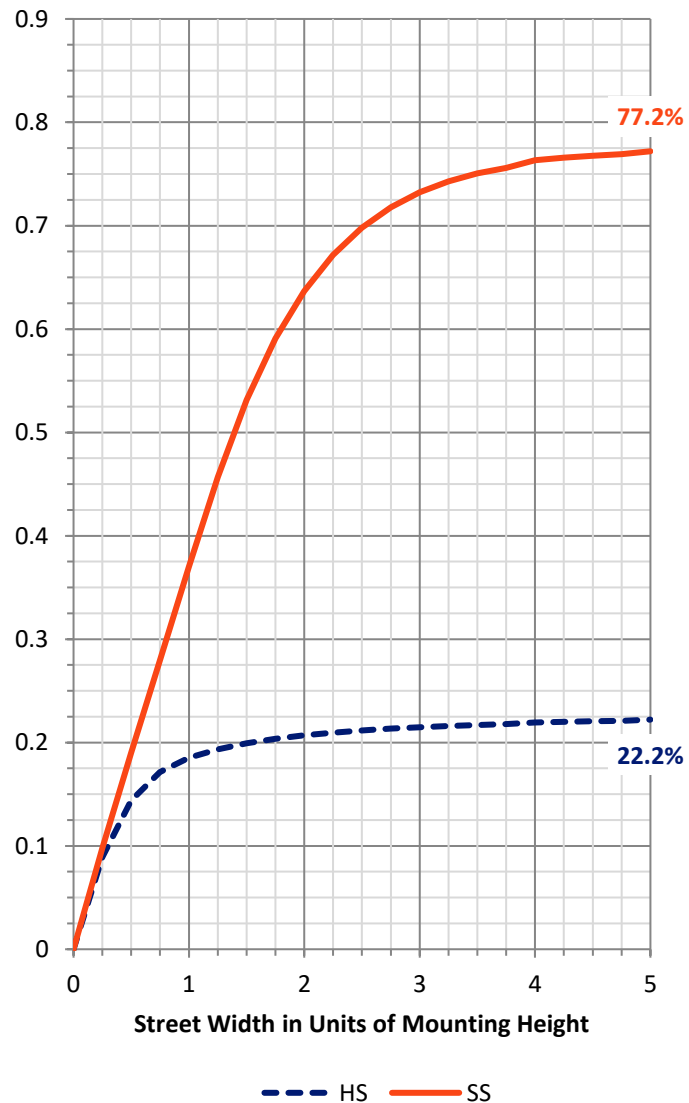
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1065.2	0.0	1065.2
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	3646.0	0.0	3646.0
	% Fixture	77.4	0.0	77.4
Total	Lumens	4711.3	0.0	4711.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	1.0
10°-20°	113.8	2.4
20°-30°	207.9	4.4
30°-40°	392.6	8.3
40°-50°	639.6	13.6
50°-60°	986.7	20.9
60°-70°	1209.4	25.7
70°-80°	947.2	20.1
80°-90°	168.7	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°	4711.3	100.0
0°-180°	4711.3	100.0

Coefficient of Utilization



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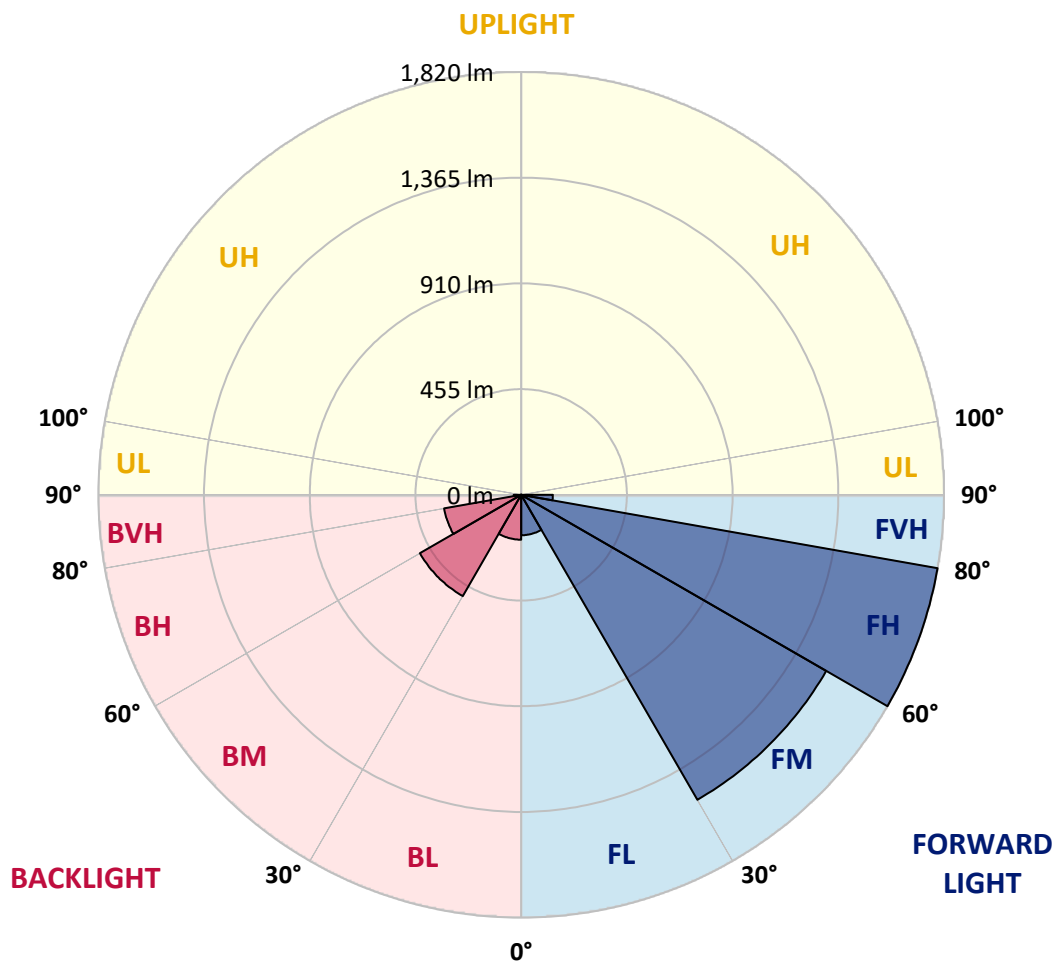
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	173.9	3.7			
FM	(30°-60°)	1515.7	32.2			
FH	(60°-80°)	1819.8	38.6			G2/5000
FVH	(80°-90°)	136.6	2.9			G2/225
BL	(0°-30°)	193.2	4.1	B1/500		
BM	(30°-60°)	503.2	10.7	B1/1000		
BH	(60°-80°)	336.8	7.1	B1/500		G1/500
BVH	(80°-90°)	32.1	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°	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6
2.5°	461.5	502.8	502.8	502.8	511.4	518.3	521.7	523.5	530.4	535.5	539.0
5°	430.5	432.2	432.2	432.2	433.9	435.7	437.4	439.1	442.5	444.3	449.4
7.5°	361.6	368.5	382.3	394.3	402.9	411.5	418.4	423.6	427.0	430.5	432.2
10°	402.9	402.9	402.9	402.9	402.9	402.9	382.3	361.6	363.3	363.3	353.0
12.5°	337.5	347.8	363.3	377.1	389.2	399.5	385.7	371.9	346.1	320.3	320.3
15°	390.9	390.9	389.2	387.4	365.1	342.7	322.0	301.3	315.1	328.9	304.8
17.5°	335.8	337.5	358.2	377.1	373.7	368.5	349.6	328.9	296.2	261.7	296.2
20°	430.5	425.3	415.0	404.7	356.4	308.2	316.8	325.4	334.1	340.9	340.9
22.5°	396.0	399.5	406.4	413.3	408.1	401.2	351.3	301.3	330.6	359.9	334.1
25°	542.4	542.4	521.7	501.1	449.4	396.0	404.7	411.5	361.6	309.9	353.0
27.5°	501.1	497.6	489.0	478.7	489.0	497.6	452.9	406.4	420.2	433.9	397.8
30°	666.4	666.4	657.8	649.2	575.1	499.4	494.2	487.3	458.0	427.0	447.7
32.5°	799.0	797.3	757.7	718.0	676.7	633.7	588.9	542.4	539.0	535.5	532.1
35°	957.4	957.4	935.0	912.6	821.4	728.4	675.0	621.6	606.1	590.6	602.7
37.5°	1046.9	1059.0	1050.4	1040.1	940.2	838.6	764.5	688.8	673.3	657.8	662.9
40°	1170.9	1167.5	1165.8	1162.3	1046.9	931.6	852.4	771.4	761.1	750.8	750.8
42.5°	1358.6	1339.7	1319.0	1296.6	1179.5	1062.4	974.6	885.1	866.1	845.5	847.2
45°	1616.9	1596.2	1548.0	1498.1	1379.3	1260.5	1143.4	1026.3	993.6	959.1	955.7
47.5°	1775.3	1752.9	1728.8	1703.0	1575.6	1448.1	1327.6	1205.4	1157.1	1108.9	1090.0
50°	1938.9	1918.2	1899.3	1880.4	1768.4	1656.5	1536.0	1415.4	1339.7	1263.9	1231.2
52.5°	2093.9	2056.0	2037.1	2018.1	1923.4	1827.0	1701.3	1575.6	1518.7	1461.9	1391.3
55°	2169.6	2123.1	2116.3	2107.7	2037.1	1964.7	1844.2	1723.7	1659.9	1594.5	1523.9
57.5°	2062.9	2066.3	2104.2	2142.1	2102.5	2062.9	1949.2	1835.6	1771.9	1708.2	1654.8
60°	1966.5	1992.3	2038.8	2085.3	2088.7	2090.4	2030.2	1969.9	1899.3	1828.7	1787.4
62.5°	1833.9	1852.8	1925.1	1995.7	2049.1	2100.8	2038.8	1976.8	1952.7	1926.8	1901.0
65°	1654.8	1659.9	1742.6	1823.5	1920.0	2014.7	1966.5	1918.2	1959.6	1999.2	2002.6
67.5°	1436.1	1451.6	1532.5	1613.5	1730.5	1845.9	1844.2	1842.5	1930.3	2016.4	2076.7
70°	1222.6	1222.6	1301.8	1381.0	1511.9	1642.7	1685.8	1728.8	1864.9	2000.9	2112.8
72.5°	921.2	964.3	1005.6	1046.9	1193.3	1337.9	1432.7	1527.4	1730.5	1932.0	2102.5
75°	508.0	511.4	547.6	583.7	730.1	876.5	1019.4	1162.3	1434.4	1706.4	1975.1
77.5°	167.0	161.9	182.5	201.5	287.6	371.9	492.5	613.0	912.6	1212.2	1644.5
80°	93.0	94.7	101.6	108.5	136.0	161.9	220.4	279.0	406.4	532.1	1045.2
82.5°	62.0	63.7	70.6	77.5	89.5	101.6	134.3	165.3	177.4	187.7	471.8
85°	39.6	41.3	44.8	48.2	51.7	53.4	75.8	98.2	89.5	80.9	141.2
87.5°	8.6	8.6	10.3	10.3	12.1	13.8	17.2	20.7	18.9	15.5	20.7
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°	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6
2.5°	540.7	544.1	545.9	547.6	549.3	552.7	554.5	556.2	559.6	561.4	561.4
5°	454.6	485.6	514.9	525.2	535.5	540.7	544.1	549.3	552.7	556.2	559.6
7.5°	433.9	435.7	437.4	449.4	461.5	471.8	482.1	485.6	494.2	489.0	482.1
10°	340.9	342.7	342.7	354.7	366.8	402.9	427.0	432.2	437.4	416.7	394.3
12.5°	318.6	327.2	335.8	330.6	325.4	351.3	368.5	375.4	378.8	365.1	351.3
15°	279.0	287.6	294.5	334.1	373.7	408.1	439.1	447.7	458.0	435.7	411.5
17.5°	330.6	327.2	322.0	328.9	335.8	344.4	361.6	366.8	366.8	373.7	380.5
20°	340.9	303.1	265.2	335.8	406.4	437.4	477.0	490.8	494.2	475.3	456.3
22.5°	306.5	349.6	392.6	384.0	375.4	366.8	366.8	371.9	377.1	380.5	384.0
25°	394.3	358.2	322.0	404.7	487.3	520.0	539.0	547.6	554.5	530.4	504.5
27.5°	361.6	409.8	456.3	492.5	528.6	564.8	604.4	642.3	595.8	573.4	551.0
30°	466.6	506.2	545.9	632.0	718.0	764.5	788.6	788.6	788.6	755.9	721.5
32.5°	528.6	597.5	666.4	712.9	757.7	804.1	823.1	823.1	823.1	783.5	742.2
35°	613.0	668.1	723.2	776.6	830.0	866.1	879.9	874.7	864.4	811.0	757.7
37.5°	668.1	742.2	816.2	871.3	924.7	947.1	952.2	936.7	921.2	850.6	778.3
40°	750.8	831.7	910.9	969.5	1028.0	1046.9	1036.6	1015.9	988.4	893.7	799.0
42.5°	847.2	928.1	1009.1	1077.9	1145.1	1157.1	1141.6	1108.9	1060.7	931.6	800.7
45°	952.2	1033.2	1112.4	1189.9	1267.3	1276.0	1255.3	1207.1	1136.5	967.7	799.0
47.5°	1069.3	1133.0	1196.7	1307.0	1417.2	1406.8	1375.8	1320.7	1227.7	1010.8	792.1
50°	1198.5	1248.4	1296.6	1434.4	1572.1	1541.1	1506.7	1446.4	1324.2	1060.7	795.5
52.5°	1319.0	1367.2	1415.4	1558.4	1699.6	1670.3	1632.4	1579.0	1422.3	1114.1	804.1
55°	1453.3	1505.0	1556.6	1708.2	1859.7	1809.8	1761.5	1727.1	1518.7	1158.9	799.0
57.5°	1599.7	1665.1	1730.5	1870.0	2007.8	1954.4	1926.8	1882.1	1625.5	1212.2	799.0
60°	1746.0	1825.3	1904.5	2026.7	2149.0	2105.9	2100.8	2038.8	1725.4	1251.8	776.6
62.5°	1875.2	1994.0	2112.8	2209.2	2304.0	2262.6	2264.3	2192.0	1818.4	1260.5	700.8
65°	2006.1	2159.3	2310.8	2381.4	2452.0	2422.8	2452.0	2322.9	1880.4	1226.0	571.7
67.5°	2135.2	2304.0	2472.7	2526.1	2579.5	2562.2	2596.7	2365.9	1866.6	1136.5	404.7
70°	2224.7	2403.8	2582.9	2610.5	2638.0	2634.6	2646.6	2312.6	1773.6	1021.1	266.9
72.5°	2273.0	2441.7	2608.7	2620.8	2631.1	2626.0	2576.0	2145.5	1606.6	895.4	184.2
75°	2242.0	2405.5	2569.1	2545.0	2520.9	2472.7	2305.7	1847.6	1317.3	726.7	136.0
77.5°	2076.7	2254.0	2431.4	2369.4	2305.7	2164.5	1883.8	1384.4	916.1	511.4	105.0
80°	1558.4	1777.0	1995.7	1921.7	1845.9	1548.0	1146.8	774.9	473.5	277.2	80.9
82.5°	754.2	876.5	998.7	979.8	960.8	711.2	495.9	279.0	136.0	99.9	63.7
85°	199.7	296.2	392.6	375.4	358.2	189.4	82.7	72.3	53.4	49.9	44.8
87.5°	24.1	27.6	29.3	20.7	10.3	8.6	8.6	5.2	5.2	6.9	6.9
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°	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6
2.5°	564.8	566.5	566.5	566.5	566.5	566.5	552.7	539.0	535.5	532.1	525.2
5°	544.1	526.9	514.9	502.8	502.8	501.1	506.2	511.4	514.9	516.6	518.3
7.5°	483.9	485.6	495.9	504.5	513.1	520.0	525.2	528.6	525.2	520.0	499.4
10°	396.0	397.8	406.4	413.3	425.3	435.7	464.9	492.5	525.2	557.9	566.5
12.5°	377.1	401.2	387.4	373.7	411.5	447.7	485.6	521.7	547.6	571.7	554.5
15°	384.0	356.4	361.6	366.8	413.3	459.8	432.2	402.9	471.8	540.7	556.2
17.5°	382.3	382.3	408.1	433.9	390.9	346.1	409.8	471.8	499.4	525.2	504.5
20°	408.1	358.2	377.1	394.3	428.8	461.5	433.9	406.4	416.7	427.0	494.2
22.5°	425.3	464.9	421.9	377.1	408.1	439.1	433.9	428.8	459.8	490.8	473.5
25°	444.3	382.3	413.3	442.5	408.1	371.9	399.5	425.3	416.7	408.1	461.5
27.5°	509.7	466.6	427.0	387.4	408.1	427.0	406.4	384.0	392.6	401.2	397.8
30°	616.5	509.7	459.8	409.8	384.0	356.4	358.2	359.9	370.2	380.5	409.8
32.5°	644.0	545.9	473.5	401.2	384.0	366.8	351.3	334.1	349.6	365.1	399.5
35°	650.9	542.4	464.9	387.4	359.9	332.3	322.0	311.7	337.5	363.3	394.3
37.5°	647.4	514.9	432.2	349.6	328.9	308.2	303.1	296.2	313.4	328.9	351.3
40°	638.8	478.7	396.0	313.4	296.2	279.0	275.5	272.1	284.1	296.2	309.9
42.5°	623.3	444.3	361.6	279.0	266.9	254.8	251.4	246.2	256.6	266.9	272.1
45°	604.4	409.8	332.3	253.1	244.5	234.2	229.0	222.1	232.5	241.1	242.8
47.5°	585.5	377.1	306.5	234.2	227.3	218.7	213.5	206.6	215.2	222.1	223.9
50°	570.0	342.7	279.0	215.2	208.4	201.5	196.3	191.1	199.7	206.6	206.6
52.5°	561.4	316.8	254.8	192.9	189.4	186.0	184.2	180.8	187.7	194.6	196.3
55°	540.7	280.7	227.3	172.2	173.9	173.9	172.2	168.7	182.5	194.6	199.7
57.5°	518.3	237.6	198.0	156.7	160.1	163.6	165.3	167.0	182.5	196.3	203.2
60°	489.0	201.5	172.2	142.9	148.1	151.5	160.1	167.0	180.8	194.6	198.0
62.5°	437.4	172.2	151.5	130.9	137.8	144.6	155.0	165.3	175.6	186.0	186.0
65°	361.6	149.8	136.0	120.5	130.9	139.5	151.5	163.6	172.2	179.1	177.4
67.5°	270.3	134.3	124.0	111.9	124.0	134.3	144.6	155.0	165.3	175.6	172.2
70°	194.6	120.5	113.6	105.0	115.4	125.7	136.0	146.4	156.7	167.0	165.3
72.5°	148.1	110.2	103.3	96.4	106.8	115.4	127.4	139.5	149.8	160.1	156.7
75°	118.8	99.9	94.7	87.8	98.2	108.5	120.5	130.9	141.2	151.5	148.1
77.5°	98.2	89.5	84.4	79.2	87.8	96.4	108.5	120.5	130.9	139.5	136.0
80°	79.2	75.8	72.3	67.2	77.5	86.1	98.2	108.5	117.1	125.7	120.5
82.5°	62.0	60.3	58.5	55.1	63.7	72.3	84.4	96.4	103.3	110.2	106.8
85°	46.5	46.5	44.8	43.0	49.9	55.1	62.0	67.2	74.0	79.2	75.8
87.5°	6.9	6.9	10.3	12.1	12.1	12.1	17.2	22.4	22.4	20.7	17.2
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):

	165°	170°	175°	180°
0°	559.6	559.6	559.6	559.6
2.5°	518.3	518.3	518.3	520.0
5°	520.0	521.7	521.7	525.2
7.5°	477.0	475.3	473.5	473.5
10°	573.4	576.8	578.6	582.0
12.5°	535.5	514.9	494.2	494.2
15°	571.7	575.1	576.8	580.3
17.5°	483.9	482.1	480.4	477.0
20°	559.6	563.1	564.8	564.8
22.5°	456.3	456.3	454.6	454.6
25°	514.9	514.9	514.9	518.3
27.5°	392.6	404.7	416.7	432.2
30°	439.1	440.8	442.5	442.5
32.5°	433.9	456.3	478.7	482.1
35°	425.3	425.3	423.6	425.3
37.5°	373.7	368.5	361.6	365.1
40°	322.0	309.9	297.9	296.2
42.5°	277.2	266.9	254.8	254.8
45°	244.5	237.6	229.0	225.6
47.5°	223.9	217.0	210.1	208.4
50°	204.9	198.0	191.1	191.1
52.5°	198.0	192.9	186.0	184.2
55°	204.9	194.6	184.2	180.8
57.5°	208.4	196.3	184.2	179.1
60°	199.7	192.9	184.2	177.4
62.5°	184.2	180.8	177.4	173.9
65°	173.9	173.9	172.2	168.7
67.5°	168.7	170.5	170.5	167.0
70°	161.9	165.3	167.0	163.6
72.5°	153.3	155.0	155.0	149.8
75°	142.9	141.2	139.5	136.0
77.5°	130.9	129.1	125.7	122.3
80°	115.4	113.6	111.9	106.8
82.5°	101.6	105.0	106.8	87.8
85°	70.6	63.7	56.8	46.5
87.5°	13.8	10.3	5.2	5.2
90°	0.0	0.0	0.0	0.0

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