

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: P560167

Luminaire Tested: **SDL-PA1-30-727-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560167
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-PA1-30-727-U-T2U
Description: Springdale
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3217 lumens
Efficiency: N/A
Efficacy: 106.9 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

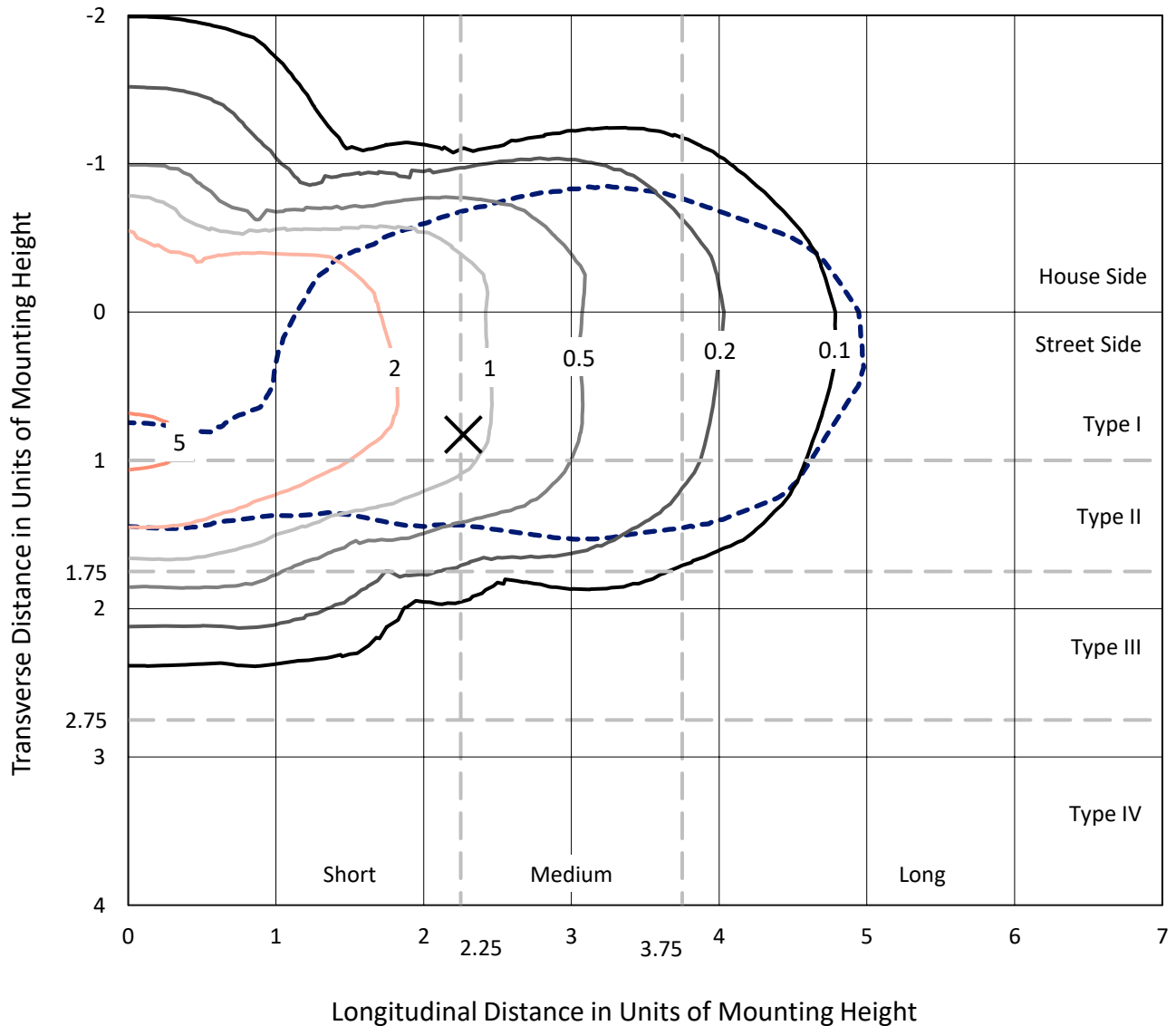
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

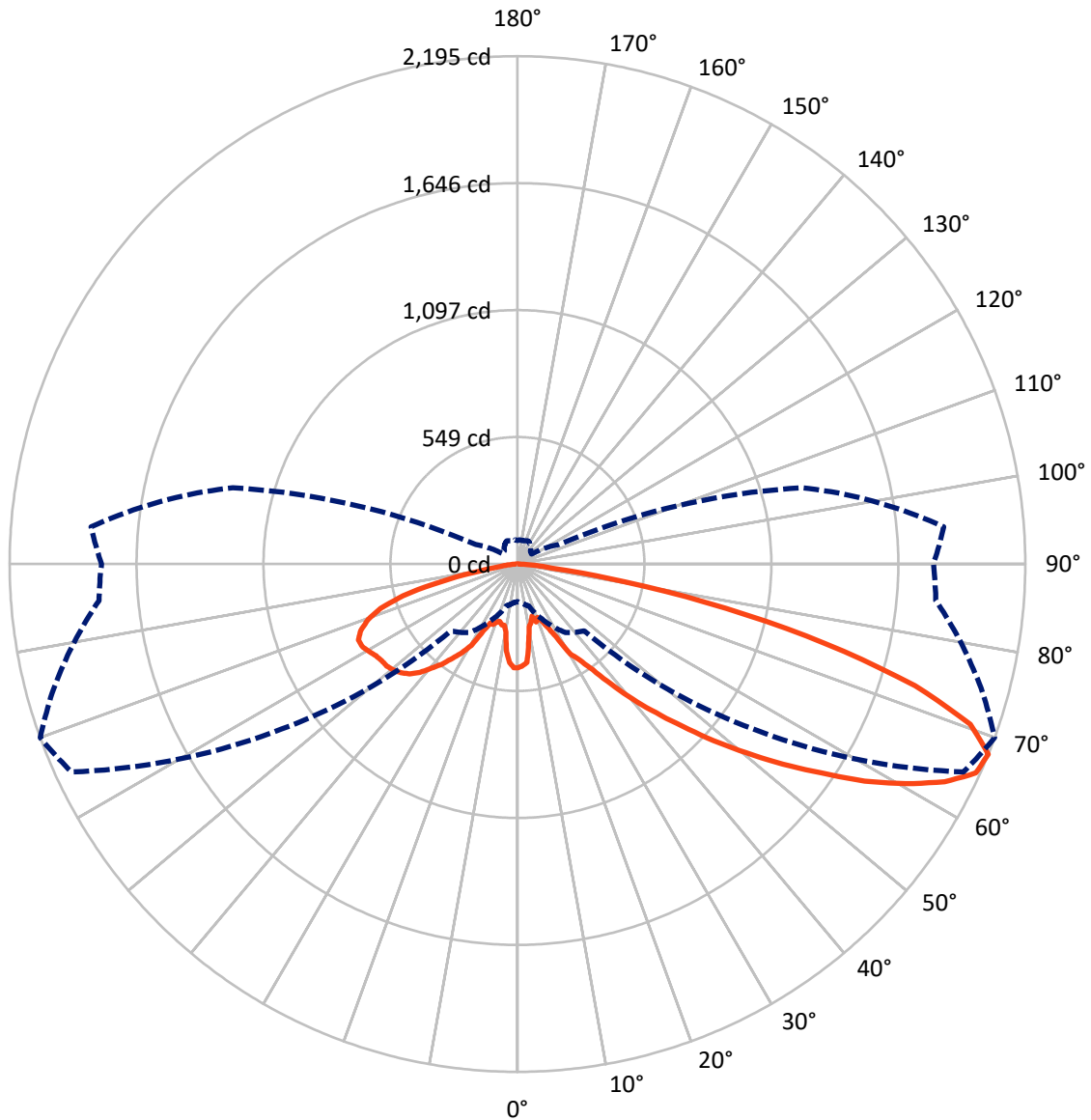
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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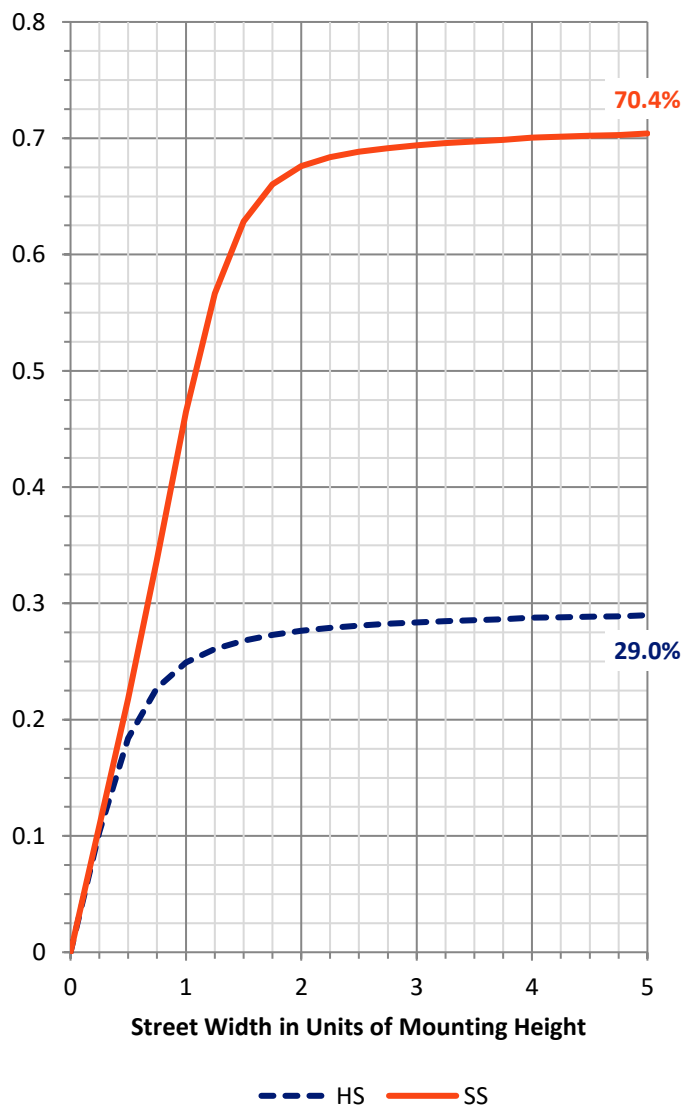
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	943.4	0.0	943.4
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	2273.6	0.0	2273.6
	% Fixture	70.7	0.0	70.7
Total	Lumens	3217.0	0.0	3217.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	1.1
10°-20°	84.2	2.6
20°-30°	149.6	4.7
30°-40°	316.3	9.8
40°-50°	579.1	18.0
50°-60°	790.0	24.6
60°-70°	744.8	23.2
70°-80°	450.7	14.0
80°-90°	66.2	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°	3217.0	100.0
0°-180°	3217.0	100.0



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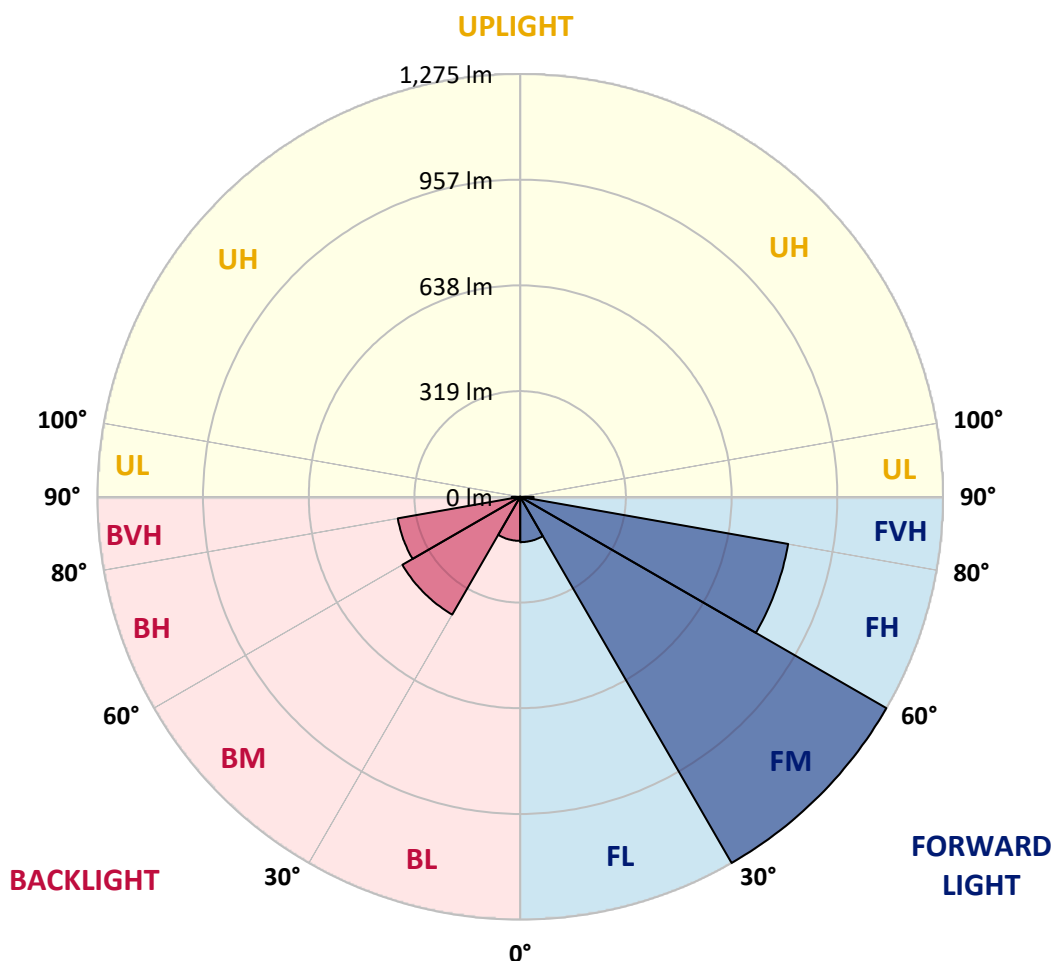
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	136.9	4.3			
FM	(30°-60°)	1275.3	39.6			
FH	(60°-80°)	820.7	25.5			G1/1800
FVH	(80°-90°)	40.6	1.3			G1/100
BL	(0°-30°)	132.9	4.1	B1/500		
BM	(30°-60°)	410.1	12.7	B1/1000		
BH	(60°-80°)	374.8	11.7	B1/500		G1/500
BVH	(80°-90°)	25.6	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°	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9
2.5°	376.2	379.6	402.8	425.9	427.1	427.1	428.2	429.4	432.9	435.2	437.5
5°	350.7	353.0	353.0	353.0	354.2	355.3	356.5	356.5	358.8	360.0	362.3
7.5°	294.0	317.1	325.2	332.2	336.8	340.3	342.6	344.9	347.2	349.5	351.9
10°	334.5	334.5	335.7	335.7	335.7	334.5	311.3	287.0	298.6	310.2	292.8
12.5°	275.5	280.1	300.9	320.6	326.4	331.0	319.4	306.7	285.9	265.0	262.7
15°	327.5	327.5	327.5	326.4	305.6	283.6	261.6	238.4	252.3	266.2	245.4
17.5°	283.6	283.6	300.9	317.1	316.0	313.7	294.0	273.1	240.7	207.2	233.8
20°	357.6	356.5	350.7	343.8	300.9	258.1	267.4	276.6	278.9	280.1	272.0
22.5°	319.4	320.6	327.5	334.5	335.7	336.8	287.0	236.1	265.0	294.0	266.2
25°	444.4	442.1	431.7	420.1	372.7	324.1	333.3	342.6	295.1	246.5	276.6
27.5°	422.5	415.5	410.9	406.3	414.4	422.5	378.5	333.3	343.8	354.2	316.0
30°	604.2	604.2	592.6	579.9	508.1	435.2	423.6	412.0	384.3	355.3	362.3
32.5°	765.1	765.1	722.2	678.2	635.4	592.6	535.9	479.2	467.6	454.9	443.3
35°	963.0	957.2	932.9	907.4	814.8	722.2	649.3	576.4	553.2	530.1	518.5
37.5°	1148.2	1135.4	1101.9	1067.1	969.9	871.5	775.5	679.4	653.9	628.5	603.0
40°	1300.9	1294.0	1270.8	1246.5	1136.6	1026.6	917.8	807.9	774.3	740.7	703.7
42.5°	1441.0	1435.2	1414.4	1392.4	1283.6	1173.6	1070.6	966.4	916.7	866.9	822.9
45°	1544.0	1534.7	1520.8	1505.8	1419.0	1331.0	1226.9	1121.5	1101.9	1082.2	996.5
47.5°	1576.4	1560.2	1557.9	1555.6	1486.1	1416.7	1333.3	1250.0	1253.5	1257.0	1157.4
50°	1528.9	1504.6	1515.1	1525.5	1497.7	1468.8	1403.9	1339.1	1368.1	1395.8	1317.1
52.5°	1356.5	1350.7	1377.3	1402.8	1409.7	1416.7	1402.8	1387.7	1441.0	1494.2	1465.3
55°	1119.2	1144.7	1181.7	1218.8	1247.7	1275.5	1316.0	1356.5	1447.9	1539.4	1560.2
57.5°	881.9	908.6	951.4	994.2	1027.8	1061.3	1144.7	1228.0	1365.7	1503.5	1597.2
60°	593.8	621.5	692.1	761.6	809.0	856.5	931.7	1007.0	1180.6	1354.2	1544.0
62.5°	395.8	386.6	445.6	503.5	579.9	656.3	689.8	722.2	903.9	1084.5	1391.2
65°	243.1	244.2	267.4	289.4	373.8	457.2	483.8	509.3	612.3	715.3	1133.1
67.5°	163.2	166.7	177.1	187.5	228.0	268.5	314.8	361.1	385.4	408.6	826.4
70°	144.7	145.8	150.5	155.1	166.7	178.2	221.1	263.9	250.0	235.0	468.8
72.5°	127.3	128.5	136.6	143.5	149.3	155.1	180.6	206.0	189.8	173.6	233.8
75°	104.2	107.6	115.7	122.7	134.3	144.7	150.5	156.3	148.1	138.9	150.5
77.5°	85.6	88.0	93.8	99.5	111.1	121.5	127.3	133.1	120.4	107.6	114.6
80°	67.1	68.3	72.9	77.5	86.8	94.9	101.9	107.6	96.1	83.3	86.8
82.5°	40.5	41.7	48.6	54.4	62.5	69.4	74.1	77.5	81.0	83.3	72.9
85°	22.0	22.0	26.6	31.3	32.4	33.6	38.2	41.7	52.1	61.3	53.2
87.5°	3.5	3.5	4.6	4.6	6.9	8.1	9.3	9.3	10.4	10.4	11.6
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°	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9
2.5°	438.7	439.8	439.8	439.8	441.0	442.1	443.3	443.3	444.4	445.6	446.8
5°	364.6	394.7	423.6	428.2	431.7	434.0	436.3	437.5	439.8	442.1	443.3
7.5°	354.2	354.2	354.2	346.1	376.2	379.6	383.1	385.4	387.7	385.4	381.9
10°	274.3	274.3	273.1	275.5	288.2	310.2	331.0	333.3	335.7	317.1	297.5
12.5°	259.3	262.7	266.2	260.4	237.3	256.9	276.6	280.1	281.3	265.0	247.7
15°	223.4	224.5	225.7	233.8	281.3	300.9	320.6	324.1	327.5	310.2	291.7
17.5°	259.3	251.2	241.9	263.9	245.4	258.1	269.7	241.9	267.4	262.7	258.1
20°	263.9	236.1	207.2	246.5	288.2	307.9	326.4	328.7	329.9	316.0	300.9
22.5°	238.4	265.0	291.7	265.0	248.8	246.5	244.2	243.1	244.2	252.3	259.3
25°	306.7	273.1	239.6	300.9	339.1	348.4	357.6	353.0	350.7	333.3	316.0
27.5°	277.8	304.4	329.9	355.3	366.9	379.6	391.2	394.7	376.2	357.6	339.1
30°	368.1	384.3	399.3	451.4	489.6	501.2	512.7	501.2	494.2	471.1	446.8
32.5°	430.6	463.0	495.4	494.2	530.1	539.4	547.5	532.4	519.7	494.2	467.6
35°	506.9	527.8	548.6	560.2	596.1	599.5	603.0	583.3	564.8	534.7	504.6
37.5°	577.5	604.2	629.6	658.6	689.8	682.9	674.8	650.5	620.4	597.2	574.1
40°	665.5	697.9	730.3	767.4	785.9	775.5	763.9	726.9	697.9	673.6	649.3
42.5°	777.8	812.5	846.1	878.5	885.4	873.8	861.1	820.6	776.6	752.3	726.9
45°	909.7	937.5	965.3	998.8	1012.7	991.9	969.9	919.0	866.9	832.2	797.5
47.5°	1056.7	1069.5	1082.2	1140.1	1158.6	1123.8	1088.0	1032.4	959.5	914.4	868.1
50°	1238.4	1235.0	1230.3	1281.3	1324.1	1266.2	1207.2	1142.4	1070.6	1007.0	942.1
52.5°	1436.4	1402.8	1368.1	1436.4	1457.2	1387.7	1318.3	1248.8	1177.1	1094.9	1011.6
55°	1581.0	1562.5	1544.0	1592.6	1590.3	1509.3	1427.1	1344.9	1285.9	1175.9	1066.0
57.5°	1689.8	1706.0	1721.1	1769.7	1714.1	1621.5	1528.9	1446.8	1395.8	1258.1	1120.4
60°	1732.6	1816.0	1898.2	1927.1	1842.6	1738.4	1633.1	1552.1	1509.3	1342.6	1175.9
62.5°	1697.9	1882.0	2066.0	2071.8	1960.7	1843.8	1726.9	1660.9	1638.9	1434.0	1228.0
65°	1550.9	1854.2	2156.3	2177.1	2052.1	1929.4	1805.6	1757.0	1770.8	1519.7	1267.4
67.5°	1243.1	1685.2	2126.2	2194.5	2074.1	1944.5	1814.8	1797.5	1849.5	1561.4	1273.2
70°	702.6	1295.1	1886.6	2076.4	2012.7	1884.3	1754.6	1762.7	1840.3	1538.2	1236.1
72.5°	292.8	895.8	1498.9	1796.3	1851.9	1743.1	1633.1	1663.2	1716.4	1429.4	1141.2
75°	162.0	571.8	981.5	1377.3	1548.6	1519.7	1489.6	1523.2	1497.7	1219.9	942.1
77.5°	120.4	309.0	497.7	922.5	1165.5	1231.5	1296.3	1312.5	1170.1	891.2	612.3
80°	90.3	147.0	202.5	471.1	625.0	743.1	861.1	788.2	688.7	481.5	274.3
82.5°	62.5	84.5	106.5	151.6	243.1	280.1	316.0	300.9	225.7	158.6	90.3
85°	44.0	55.6	67.1	83.3	104.2	83.3	62.5	50.9	59.0	54.4	49.8
87.5°	11.6	11.6	10.4	11.6	8.1	6.9	5.8	4.6	4.6	4.6	4.6
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°	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9
2.5°	447.9	449.1	449.1	449.1	449.1	447.9	442.1	436.3	422.5	408.6	403.9
5°	428.2	413.2	401.6	390.0	390.0	390.0	392.4	394.7	395.8	397.0	398.2
7.5°	381.9	380.8	385.4	390.0	393.5	397.0	399.3	401.6	397.0	392.4	381.9
10°	298.6	298.6	304.4	309.0	317.1	325.2	348.4	371.5	391.2	410.9	414.4
12.5°	270.8	292.8	280.1	266.2	295.1	324.1	349.5	373.8	393.5	412.0	397.0
15°	272.0	251.2	255.8	260.4	291.7	322.9	299.8	275.5	321.8	366.9	377.3
17.5°	259.3	260.4	281.3	302.1	270.8	238.4	278.9	319.4	336.8	353.0	338.0
20°	266.2	230.3	254.6	278.9	300.9	321.8	300.9	278.9	284.7	290.5	329.9
22.5°	281.3	303.2	282.4	261.6	287.0	311.3	300.9	290.5	309.0	326.4	310.2
25°	280.1	243.1	277.8	312.5	289.4	265.0	277.8	290.5	281.3	270.8	300.9
27.5°	322.9	306.7	297.5	287.0	299.8	312.5	285.9	259.3	259.3	259.3	255.8
30°	403.9	361.1	342.6	322.9	291.7	260.4	251.2	241.9	243.1	244.2	261.6
32.5°	451.4	435.2	379.6	324.1	295.1	266.2	241.9	217.6	219.9	222.2	244.2
35°	493.1	480.3	406.3	331.0	283.6	235.0	214.1	192.1	202.5	211.8	230.3
37.5°	540.5	505.8	405.1	303.2	252.3	201.4	188.7	175.9	182.9	188.7	200.2
40°	583.3	516.2	394.7	272.0	221.1	169.0	163.2	156.3	162.0	167.8	174.8
42.5°	629.6	531.3	379.6	226.9	186.3	145.8	143.5	141.2	147.0	152.8	157.4
45°	665.5	533.6	360.0	185.2	158.6	131.9	131.9	130.8	136.6	141.2	143.5
47.5°	688.7	508.1	328.7	148.1	136.6	125.0	126.2	126.2	130.8	134.3	135.4
50°	704.9	466.4	298.6	130.8	125.0	119.2	119.2	119.2	123.8	127.3	129.6
52.5°	716.4	420.1	270.8	120.4	118.1	114.6	114.6	113.4	119.2	125.0	126.2
55°	719.9	372.7	243.1	112.3	110.0	107.6	110.0	111.1	118.1	123.8	125.0
57.5°	728.0	335.7	219.9	104.2	103.0	101.9	105.3	108.8	115.7	122.7	122.7
60°	744.2	311.3	203.7	96.1	96.1	96.1	101.9	106.5	113.4	120.4	119.2
62.5°	759.3	289.4	188.7	88.0	89.1	90.3	97.2	104.2	111.1	118.1	116.9
65°	761.6	254.6	167.8	81.0	83.3	84.5	92.6	100.7	107.6	114.6	112.3
67.5°	736.1	199.1	136.6	74.1	77.5	79.9	89.1	97.2	104.2	110.0	107.6
70°	689.8	142.4	105.3	68.3	71.8	74.1	83.3	91.4	97.2	103.0	100.7
72.5°	621.5	101.9	82.2	62.5	64.8	67.1	75.2	83.3	90.3	96.1	93.8
75°	512.7	82.2	69.4	56.7	59.0	60.2	68.3	75.2	82.2	88.0	84.5
77.5°	340.3	67.1	59.0	50.9	52.1	53.2	60.2	66.0	71.8	76.4	74.1
80°	164.4	54.4	49.8	44.0	45.1	45.1	50.9	56.7	61.3	64.8	63.7
82.5°	67.1	42.8	39.4	35.9	35.9	35.9	41.7	46.3	50.9	54.4	52.1
85°	41.7	33.6	31.3	27.8	26.6	25.5	27.8	30.1	32.4	33.6	32.4
87.5°	5.8	5.8	6.9	8.1	6.9	4.6	6.9	9.3	9.3	8.1	6.9
90°	0.0	0.0	3.5	3.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	447.9	447.9	447.9	447.9
2.5°	399.3	399.3	399.3	401.6
5°	398.2	398.2	398.2	400.5
7.5°	371.5	360.0	348.4	349.5
10°	416.7	417.8	417.8	419.0
12.5°	380.8	362.3	343.8	346.1
15°	387.7	387.7	386.6	387.7
17.5°	322.9	317.1	311.3	311.3
20°	369.2	369.2	369.2	369.2
22.5°	294.0	292.8	291.7	292.8
25°	331.0	332.2	332.2	331.0
27.5°	252.3	267.4	281.3	282.4
30°	277.8	277.8	277.8	277.8
32.5°	266.2	277.8	289.4	290.5
35°	247.7	246.5	245.4	248.8
37.5°	210.6	208.3	206.0	206.0
40°	181.7	177.1	172.5	172.5
42.5°	160.9	157.4	152.8	151.6
45°	145.8	142.4	137.7	137.7
47.5°	135.4	133.1	130.8	129.6
50°	130.8	128.5	126.2	126.2
52.5°	127.3	126.2	123.8	123.8
55°	125.0	123.8	121.5	121.5
57.5°	122.7	121.5	119.2	119.2
60°	118.1	116.9	115.7	115.7
62.5°	114.6	113.4	112.3	112.3
65°	110.0	110.0	108.8	107.6
67.5°	104.2	104.2	104.2	101.9
70°	97.2	97.2	97.2	94.9
72.5°	90.3	90.3	89.1	85.6
75°	81.0	79.9	78.7	76.4
77.5°	71.8	69.4	67.1	66.0
80°	61.3	59.0	56.7	54.4
82.5°	48.6	47.5	45.1	39.4
85°	30.1	26.6	22.0	19.7
87.5°	5.8	4.6	3.5	1.2
90°	0.0	0.0	0.0	0.0

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