

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: P560057

Luminaire Tested: **SDL-PA1-20-750-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560057
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-PA1-20-750-U-T2U
Description: Springdale
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2788 lumens
Efficiency: N/A
Efficacy: 132.8 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

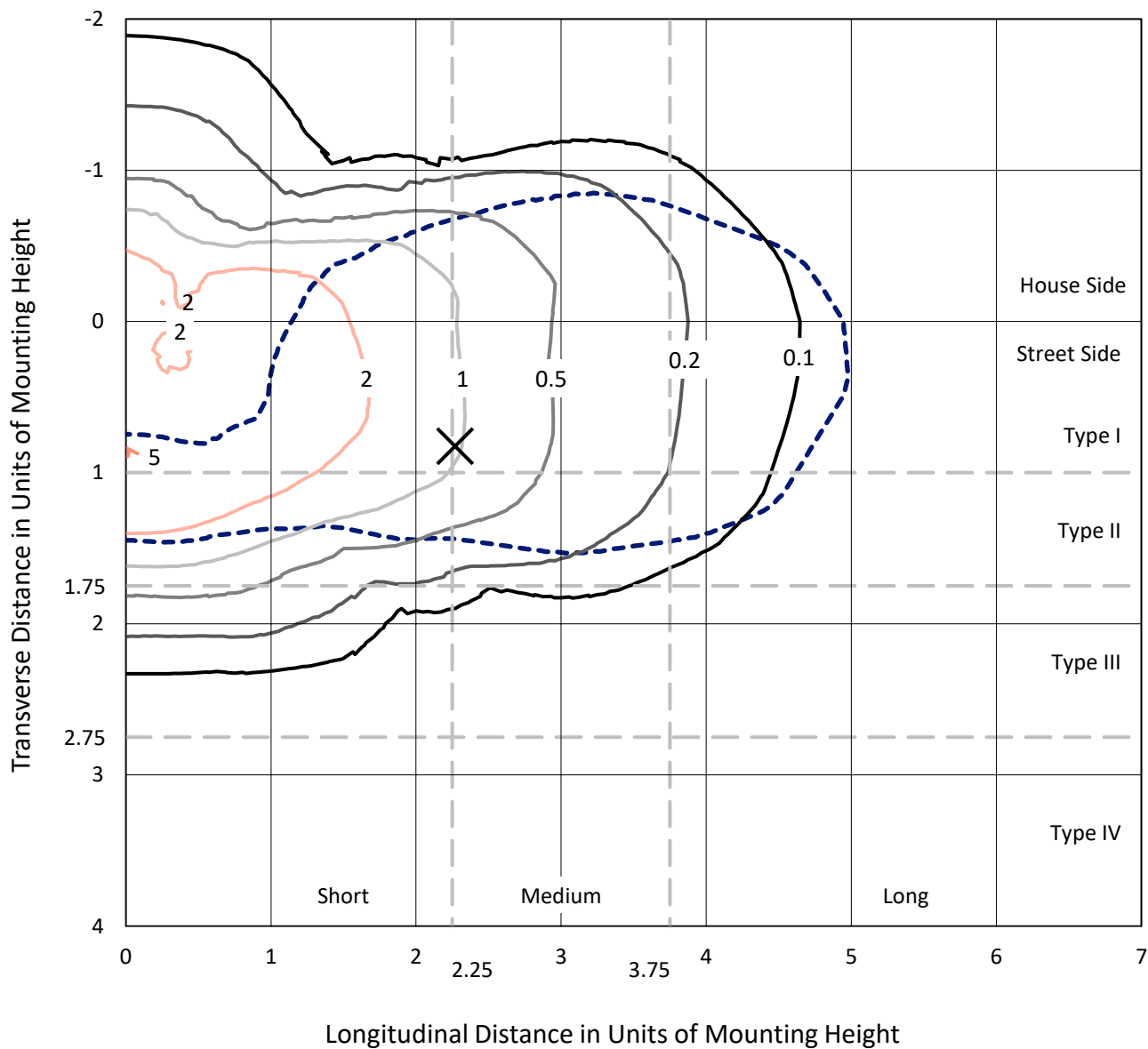
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

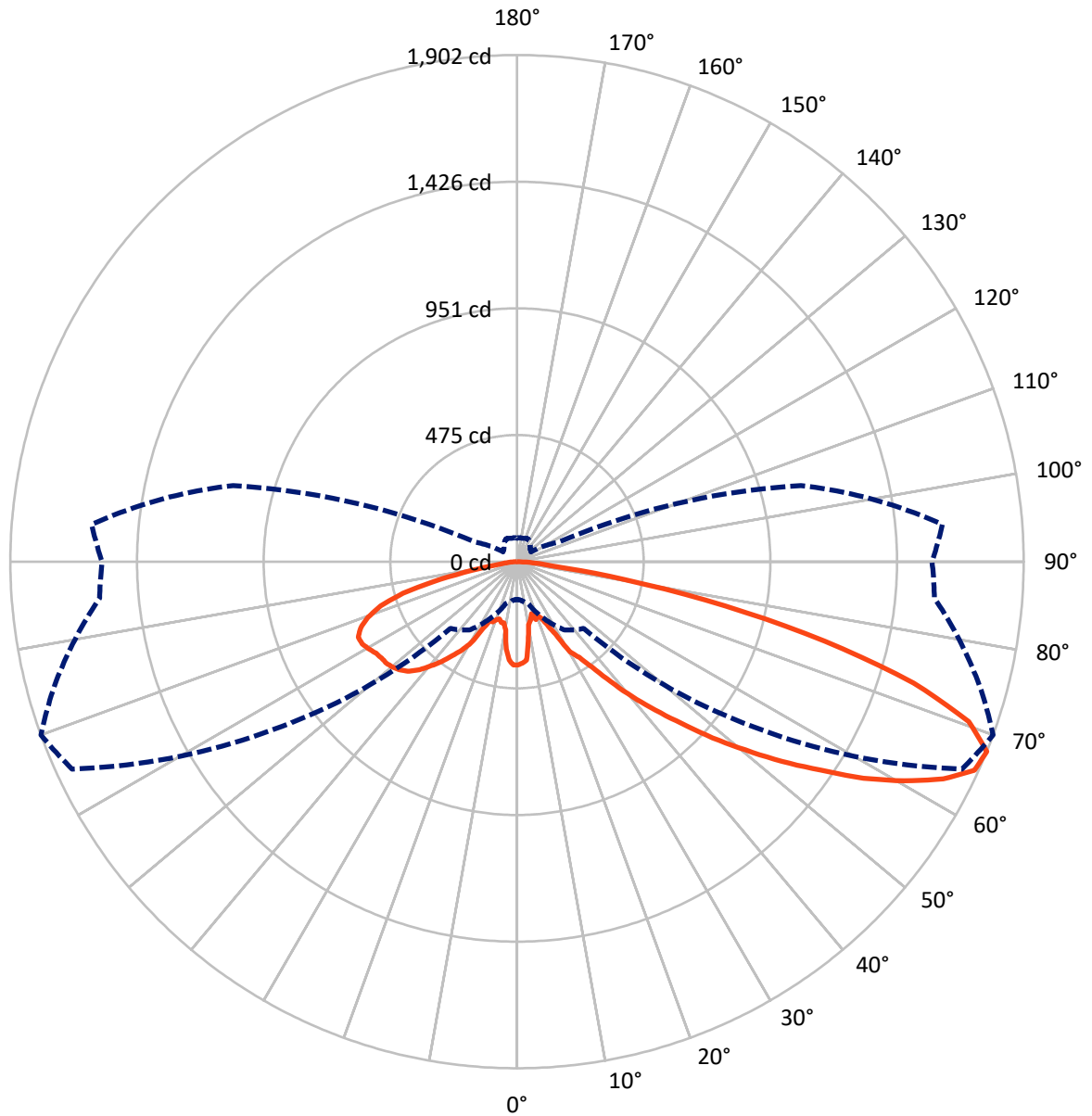
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 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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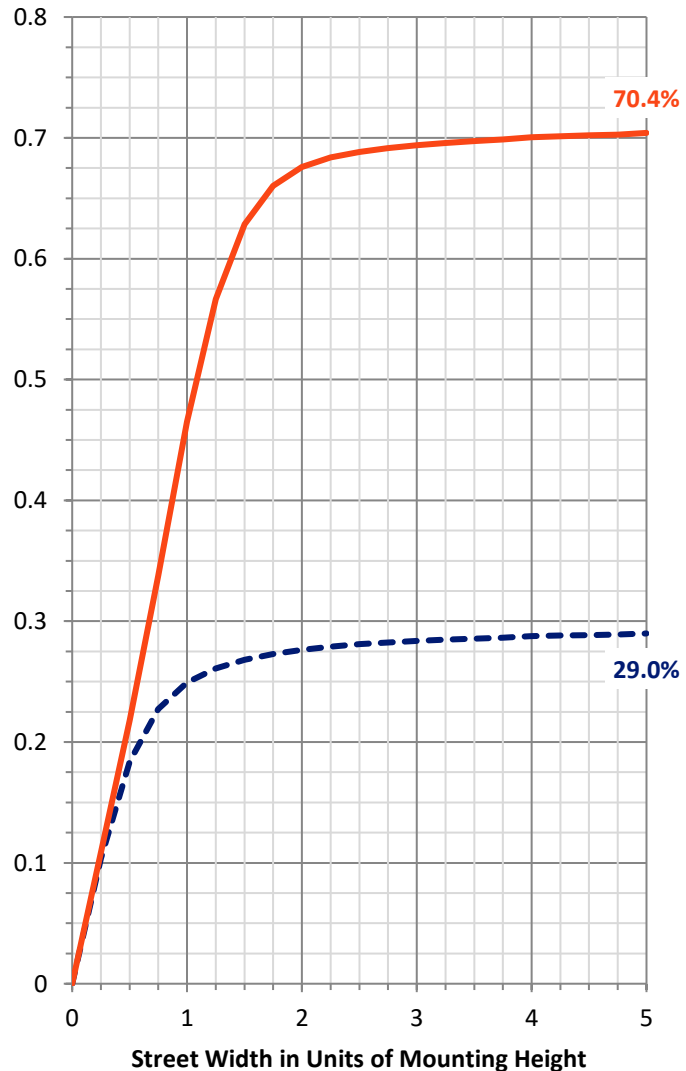
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	817.6	0.0	817.6
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	1970.4	0.0	1970.4
	% Fixture	70.7	0.0	70.7
Total	Lumens	2788.0	0.0	2788.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	1.1
10°-20°	73.0	2.6
20°-30°	129.7	4.7
30°-40°	274.2	9.8
40°-50°	501.9	18.0
50°-60°	684.7	24.6
60°-70°	645.5	23.2
70°-80°	390.6	14.0
80°-90°	57.4	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°	2788.0	100.0
0°-180°	2788.0	100.0



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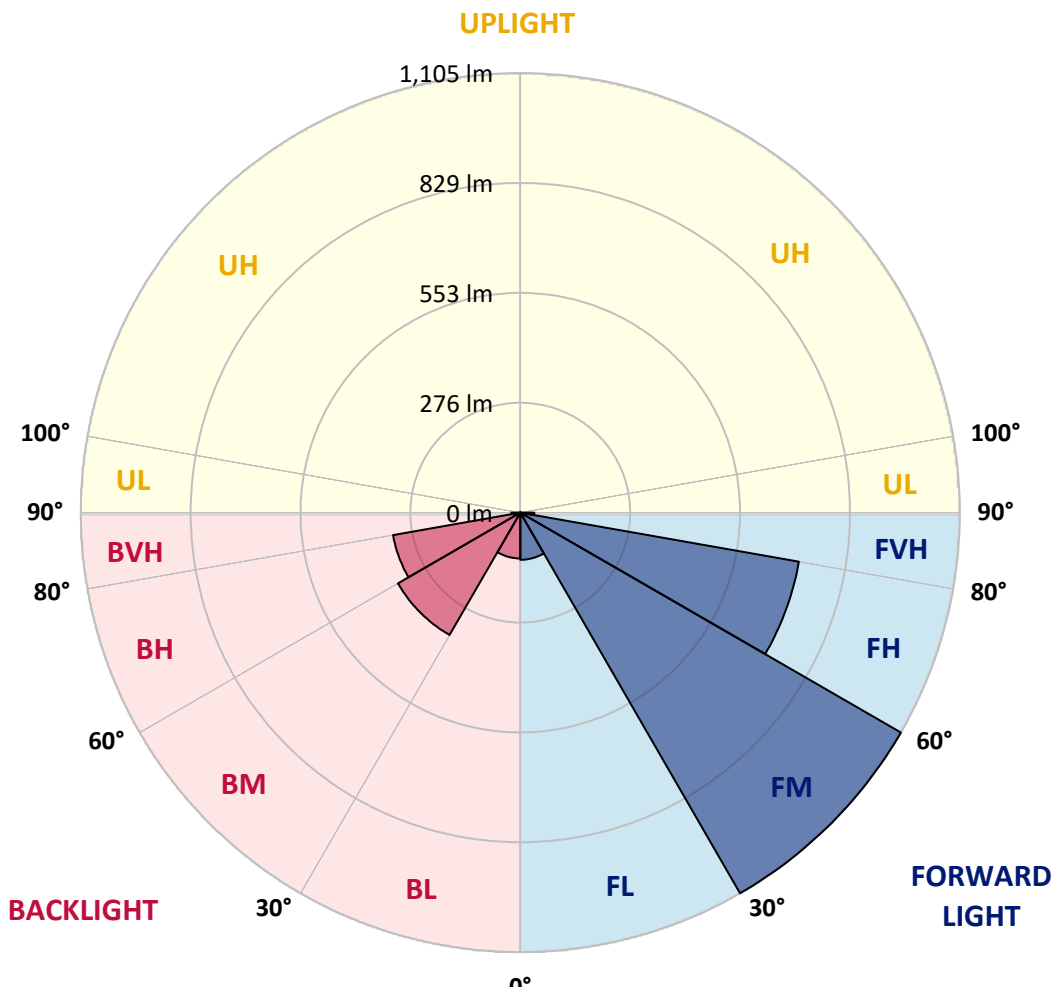
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.6	4.3			
FM (30°-60°)	1105.3	39.6			
FH (60°-80°)	711.3	25.5			G1/1800
FVH (80°-90°)	35.2	1.3			G1/100
BL (0°-30°)	115.2	4.1	B1/500		
BM (30°-60°)	355.4	12.7	B1/1000		
BH (60°-80°)	324.8	11.7	B1/500		G1/500
BVH (80°-90°)	22.2	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°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2
2.5°	326.0	329.0	349.1	369.1	370.1	370.1	371.1	372.1	375.2	377.2	379.2
5°	303.9	305.9	305.9	305.9	306.9	307.9	309.0	309.0	311.0	312.0	314.0
7.5°	254.8	274.8	281.9	287.9	291.9	294.9	296.9	298.9	300.9	302.9	304.9
10°	289.9	289.9	290.9	290.9	290.9	289.9	269.8	248.8	258.8	268.8	253.8
12.5°	238.7	242.7	260.8	277.9	282.9	286.9	276.9	265.8	247.8	229.7	227.7
15°	283.9	283.9	283.9	282.9	264.8	245.8	226.7	206.6	218.7	230.7	212.7
17.5°	245.8	245.8	260.8	274.8	273.8	271.8	254.8	236.7	208.6	179.6	202.6
20°	310.0	309.0	303.9	297.9	260.8	223.7	231.7	239.7	241.7	242.7	235.7
22.5°	276.9	277.9	283.9	289.9	290.9	291.9	248.8	204.6	229.7	254.8	230.7
25°	385.2	383.2	374.2	364.1	323.0	280.9	288.9	296.9	255.8	213.7	239.7
27.5°	366.1	360.1	356.1	352.1	359.1	366.1	328.0	288.9	297.9	306.9	273.8
30°	523.6	523.6	513.6	502.5	440.4	377.2	367.1	357.1	333.0	307.9	314.0
32.5°	663.0	663.0	625.9	587.8	550.7	513.6	464.4	415.3	405.2	394.2	384.2
35°	834.6	829.6	808.5	786.4	706.2	625.9	562.7	499.5	479.5	459.4	449.4
37.5°	995.1	984.0	954.9	924.8	840.6	755.3	672.1	588.8	566.7	544.7	522.6
40°	1127.5	1121.4	1101.4	1080.3	985.0	889.7	795.4	700.2	671.1	642.0	609.9
42.5°	1248.8	1243.8	1225.8	1206.7	1112.4	1017.1	927.9	837.6	794.4	751.3	713.2
45°	1338.1	1330.1	1318.1	1305.0	1229.8	1153.5	1063.3	972.0	954.9	937.9	863.7
47.5°	1366.2	1352.2	1350.2	1348.1	1288.0	1227.8	1155.6	1083.3	1086.3	1089.4	1003.1
50°	1325.1	1304.0	1313.0	1322.1	1298.0	1272.9	1216.7	1160.6	1185.6	1209.7	1141.5
52.5°	1175.6	1170.6	1193.7	1215.7	1221.8	1227.8	1215.7	1202.7	1248.8	1295.0	1269.9
55°	970.0	992.1	1024.1	1056.2	1081.3	1105.4	1140.5	1175.6	1254.9	1334.1	1352.2
57.5°	764.4	787.4	824.5	861.6	890.7	919.8	992.1	1064.3	1183.6	1303.0	1384.3
60°	514.6	538.7	599.8	660.0	701.2	742.3	807.5	872.7	1023.1	1173.6	1338.1
62.5°	343.1	335.0	386.2	436.3	502.5	568.7	597.8	625.9	783.4	939.9	1205.7
65°	210.6	211.7	231.7	250.8	324.0	396.2	419.3	441.4	530.6	619.9	982.0
67.5°	141.4	144.4	153.5	162.5	197.6	232.7	272.8	313.0	334.0	354.1	716.2
70°	125.4	126.4	130.4	134.4	144.4	154.5	191.6	228.7	216.7	203.6	406.2
72.5°	110.3	111.3	118.4	124.4	129.4	134.4	156.5	178.5	164.5	150.5	202.6
75°	90.3	93.3	100.3	106.3	116.4	125.4	130.4	135.4	128.4	120.4	130.4
77.5°	74.2	76.2	81.2	86.3	96.3	105.3	110.3	115.4	104.3	93.3	99.3
80°	58.2	59.2	63.2	67.2	75.2	82.3	88.3	93.3	83.3	72.2	75.2
82.5°	35.1	36.1	42.1	47.1	54.2	60.2	64.2	67.2	70.2	72.2	63.2
85°	19.1	19.1	23.1	27.1	28.1	29.1	33.1	36.1	45.1	53.2	46.1
87.5°	3.0	3.0	4.0	4.0	6.0	7.0	8.0	8.0	9.0	9.0	10.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2
2.5°	380.2	381.2	381.2	381.2	382.2	383.2	384.2	384.2	385.2	386.2	387.2
5°	316.0	342.1	367.1	371.1	374.2	376.2	378.2	379.2	381.2	383.2	384.2
7.5°	306.9	306.9	306.9	299.9	326.0	329.0	332.0	334.0	336.0	334.0	331.0
10°	237.7	237.7	236.7	238.7	249.8	268.8	286.9	288.9	290.9	274.8	257.8
12.5°	224.7	227.7	230.7	225.7	205.6	222.7	239.7	242.7	243.7	229.7	214.7
15°	193.6	194.6	195.6	202.6	243.7	260.8	277.9	280.9	283.9	268.8	252.8
17.5°	224.7	217.7	209.6	228.7	212.7	223.7	233.7	209.6	231.7	227.7	223.7
20°	228.7	204.6	179.6	213.7	249.8	266.8	282.9	284.9	285.9	273.8	260.8
22.5°	206.6	229.7	252.8	229.7	215.7	213.7	211.7	210.6	211.7	218.7	224.7
25°	265.8	236.7	207.6	260.8	293.9	301.9	310.0	305.9	303.9	288.9	273.8
27.5°	240.7	263.8	285.9	307.9	318.0	329.0	339.0	342.1	326.0	310.0	293.9
30°	319.0	333.0	346.1	391.2	424.3	434.3	444.4	434.3	428.3	408.3	387.2
32.5°	373.1	401.2	429.3	428.3	459.4	467.4	474.5	461.4	450.4	428.3	405.2
35°	439.4	457.4	475.5	485.5	516.6	519.6	522.6	505.6	489.5	463.4	437.3
37.5°	500.5	523.6	545.7	570.8	597.8	591.8	584.8	563.7	537.7	517.6	497.5
40°	576.8	604.9	632.9	665.0	681.1	672.1	662.0	629.9	604.9	583.8	562.7
42.5°	674.1	704.2	733.3	761.3	767.4	757.3	746.3	711.2	673.1	652.0	629.9
45°	788.4	812.5	836.6	865.7	877.7	859.6	840.6	796.4	751.3	721.2	691.1
47.5°	915.8	926.9	937.9	988.0	1004.1	974.0	942.9	894.8	831.6	792.4	752.3
50°	1073.3	1070.3	1066.3	1110.4	1147.5	1097.4	1046.2	990.0	927.9	872.7	816.5
52.5°	1244.8	1215.7	1185.6	1244.8	1262.9	1202.7	1142.5	1082.3	1020.1	948.9	876.7
55°	1370.2	1354.2	1338.1	1380.2	1378.2	1308.0	1236.8	1165.6	1114.4	1019.1	923.8
57.5°	1464.5	1478.5	1491.6	1533.7	1485.6	1405.3	1325.1	1253.9	1209.7	1090.4	971.0
60°	1501.6	1573.8	1645.1	1670.1	1596.9	1506.6	1415.4	1345.1	1308.0	1163.6	1019.1
62.5°	1471.5	1631.0	1790.5	1795.5	1699.2	1597.9	1496.6	1439.4	1420.4	1242.8	1064.3
65°	1344.1	1606.9	1868.7	1886.8	1778.5	1672.1	1564.8	1522.7	1534.7	1317.1	1098.4
67.5°	1077.3	1460.5	1842.7	1901.8	1797.5	1685.2	1572.8	1557.8	1602.9	1353.2	1103.4
70°	608.9	1122.5	1635.0	1799.5	1744.4	1633.0	1520.7	1527.7	1594.9	1333.1	1071.3
72.5°	253.8	776.4	1299.0	1556.8	1604.9	1510.6	1415.4	1441.4	1487.6	1238.8	989.0
75°	140.4	495.5	850.6	1193.7	1342.1	1317.1	1291.0	1320.1	1298.0	1057.3	816.5
77.5°	104.3	267.8	431.3	799.5	1010.1	1067.3	1123.5	1137.5	1014.1	772.4	530.6
80°	78.2	127.4	175.5	408.3	541.7	644.0	746.3	683.1	596.8	417.3	237.7
82.5°	54.2	73.2	92.3	131.4	210.6	242.7	273.8	260.8	195.6	137.4	78.2
85°	38.1	48.1	58.2	72.2	90.3	72.2	54.2	44.1	51.2	47.1	43.1
87.5°	10.0	10.0	9.0	10.0	7.0	6.0	5.0	4.0	4.0	4.0	4.0
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°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2
2.5°	388.2	389.2	389.2	389.2	389.2	388.2	383.2	378.2	366.1	354.1	350.1
5°	371.1	358.1	348.1	338.0	338.0	338.0	340.0	342.1	343.1	344.1	345.1
7.5°	331.0	330.0	334.0	338.0	341.0	344.1	346.1	348.1	344.1	340.0	331.0
10°	258.8	258.8	263.8	267.8	274.8	281.9	301.9	322.0	339.0	356.1	359.1
12.5°	234.7	253.8	242.7	230.7	255.8	280.9	302.9	324.0	341.0	357.1	344.1
15°	235.7	217.7	221.7	225.7	252.8	279.9	259.8	238.7	278.9	318.0	327.0
17.5°	224.7	225.7	243.7	261.8	234.7	206.6	241.7	276.9	291.9	305.9	292.9
20°	230.7	199.6	220.7	241.7	260.8	278.9	260.8	241.7	246.8	251.8	285.9
22.5°	243.7	262.8	244.8	226.7	248.8	269.8	260.8	251.8	267.8	282.9	268.8
25°	242.7	210.6	240.7	270.8	250.8	229.7	240.7	251.8	243.7	234.7	260.8
27.5°	279.9	265.8	257.8	248.8	259.8	270.8	247.8	224.7	224.7	224.7	221.7
30°	350.1	313.0	296.9	279.9	252.8	225.7	217.7	209.6	210.6	211.7	226.7
32.5°	391.2	377.2	329.0	280.9	255.8	230.7	209.6	188.6	190.6	192.6	211.7
35°	427.3	416.3	352.1	286.9	245.8	203.6	185.6	166.5	175.5	183.6	199.6
37.5°	468.4	438.3	351.1	262.8	218.7	174.5	163.5	152.5	158.5	163.5	173.5
40°	505.6	447.4	342.1	235.7	191.6	146.5	141.4	135.4	140.4	145.4	151.5
42.5°	545.7	460.4	329.0	196.6	161.5	126.4	124.4	122.4	127.4	132.4	136.4
45°	576.8	462.4	312.0	160.5	137.4	114.4	114.4	113.3	118.4	122.4	124.4
47.5°	596.8	440.4	284.9	128.4	118.4	108.3	109.3	109.3	113.3	116.4	117.4
50°	610.9	404.2	258.8	113.3	108.3	103.3	103.3	103.3	107.3	110.3	112.3
52.5°	620.9	364.1	234.7	104.3	102.3	99.3	99.3	98.3	103.3	108.3	109.3
55°	623.9	323.0	210.6	97.3	95.3	93.3	95.3	96.3	102.3	107.3	108.3
57.5°	630.9	290.9	190.6	90.3	89.3	88.3	91.3	94.3	100.3	106.3	106.3
60°	645.0	269.8	176.5	83.3	83.3	83.3	88.3	92.3	98.3	104.3	103.3
62.5°	658.0	250.8	163.5	76.2	77.2	78.2	84.3	90.3	96.3	102.3	101.3
65°	660.0	220.7	145.4	70.2	72.2	73.2	80.2	87.3	93.3	99.3	97.3
67.5°	638.0	172.5	118.4	64.2	67.2	69.2	77.2	84.3	90.3	95.3	93.3
70°	597.8	123.4	91.3	59.2	62.2	64.2	72.2	79.2	84.3	89.3	87.3
72.5°	538.7	88.3	71.2	54.2	56.2	58.2	65.2	72.2	78.2	83.3	81.2
75°	444.4	71.2	60.2	49.2	51.2	52.2	59.2	65.2	71.2	76.2	73.2
77.5°	294.9	58.2	51.2	44.1	45.1	46.1	52.2	57.2	62.2	66.2	64.2
80°	142.4	47.1	43.1	38.1	39.1	39.1	44.1	49.2	53.2	56.2	55.2
82.5°	58.2	37.1	34.1	31.1	31.1	31.1	36.1	40.1	44.1	47.1	45.1
85°	36.1	29.1	27.1	24.1	23.1	22.1	24.1	26.1	28.1	29.1	28.1
87.5°	5.0	5.0	6.0	7.0	6.0	4.0	6.0	8.0	8.0	7.0	6.0
90°	0.0	0.0	3.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	388.2	388.2	388.2	388.2
2.5°	346.1	346.1	346.1	348.1
5°	345.1	345.1	345.1	347.1
7.5°	322.0	312.0	301.9	302.9
10°	361.1	362.1	362.1	363.1
12.5°	330.0	314.0	297.9	299.9
15°	336.0	336.0	335.0	336.0
17.5°	279.9	274.8	269.8	269.8
20°	320.0	320.0	320.0	320.0
22.5°	254.8	253.8	252.8	253.8
25°	286.9	287.9	287.9	286.9
27.5°	218.7	231.7	243.7	244.8
30°	240.7	240.7	240.7	240.7
32.5°	230.7	240.7	250.8	251.8
35°	214.7	213.7	212.7	215.7
37.5°	182.6	180.6	178.5	178.5
40°	157.5	153.5	149.5	149.5
42.5°	139.4	136.4	132.4	131.4
45°	126.4	123.4	119.4	119.4
47.5°	117.4	115.4	113.3	112.3
50°	113.3	111.3	109.3	109.3
52.5°	110.3	109.3	107.3	107.3
55°	108.3	107.3	105.3	105.3
57.5°	106.3	105.3	103.3	103.3
60°	102.3	101.3	100.3	100.3
62.5°	99.3	98.3	97.3	97.3
65°	95.3	95.3	94.3	93.3
67.5°	90.3	90.3	90.3	88.3
70°	84.3	84.3	84.3	82.3
72.5°	78.2	78.2	77.2	74.2
75°	70.2	69.2	68.2	66.2
77.5°	62.2	60.2	58.2	57.2
80°	53.2	51.2	49.2	47.1
82.5°	42.1	41.1	39.1	34.1
85°	26.1	23.1	19.1	17.1
87.5°	5.0	4.0	3.0	1.0
90°	0.0	0.0	0.0	0.0

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