

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: P560013

Luminaire Tested: **SDL-PA1-20-730-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560013
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-PA1-20-730-U-T2U
Description: Springdale
(1) 70 CRI, 3000K, 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: 2539.1 lumens
Efficiency: N/A
Efficacy: 120.9 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): 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



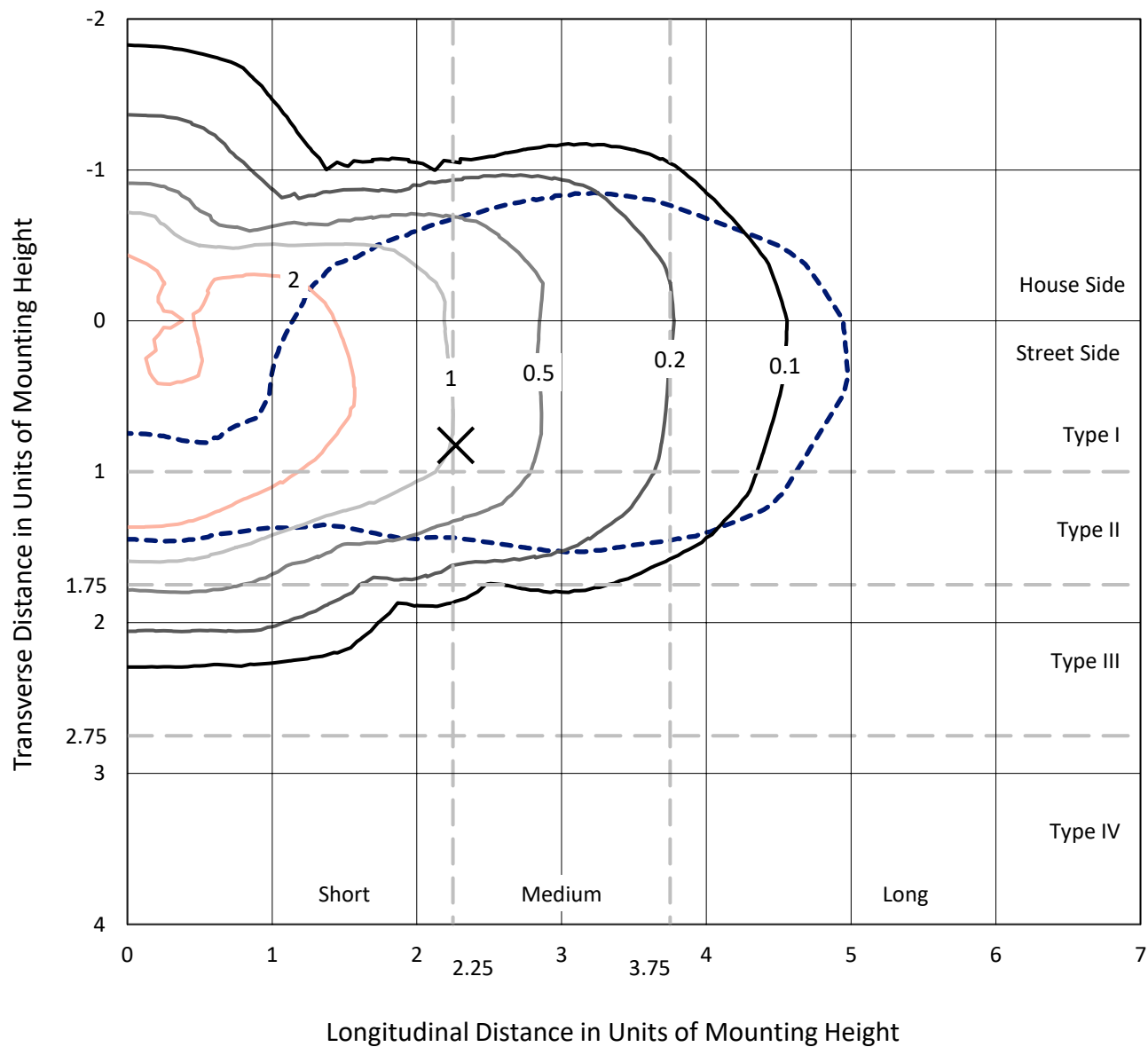
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



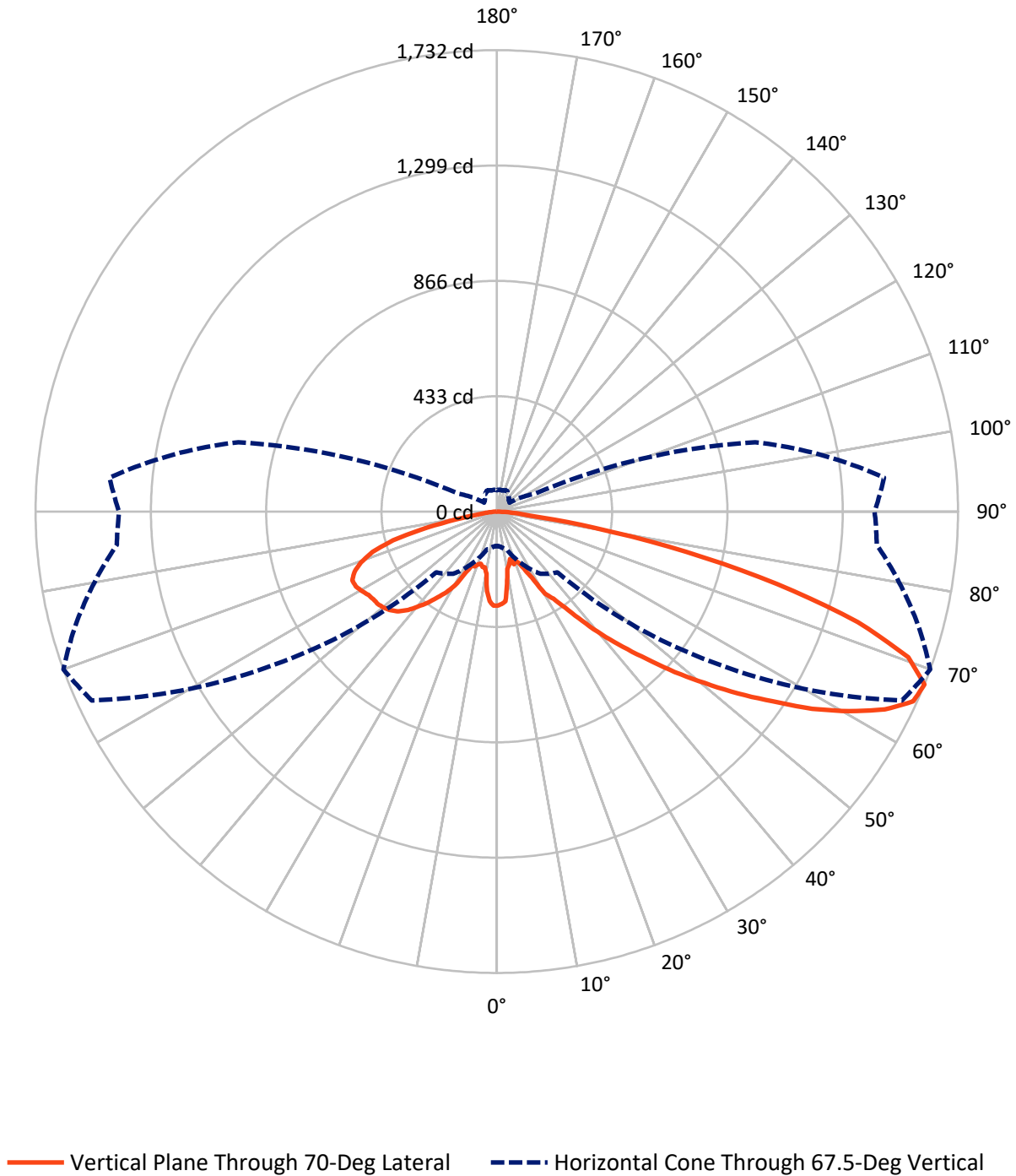
Based on 10 foot mounting height. Maximum calculated value = 4.6 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



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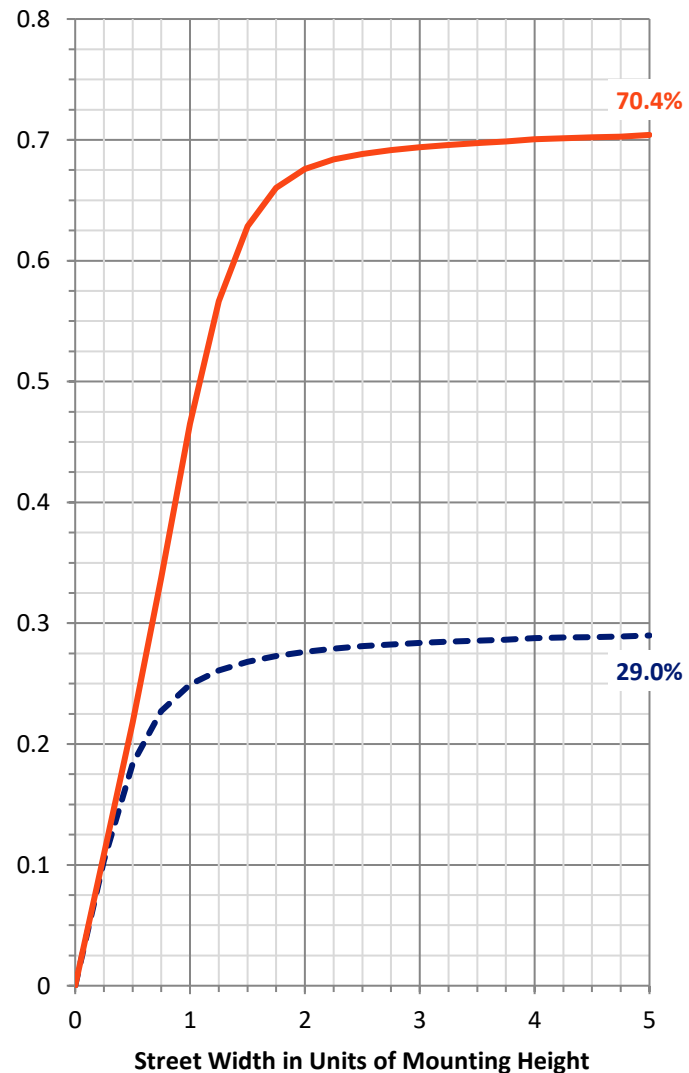
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	744.6	0.0	744.6
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	1794.5	0.0	1794.5
	% Fixture	70.7	0.0	70.7
Total	Lumens	2539.1	0.0	2539.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.3	1.1
10°-20°	66.5	2.6
20°-30°	118.1	4.7
30°-40°	249.7	9.8
40°-50°	457.1	18.0
50°-60°	623.5	24.6
60°-70°	587.8	23.2
70°-80°	355.8	14.0
80°-90°	52.3	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°	2539.1	100.0
0°-180°	2539.1	100.0



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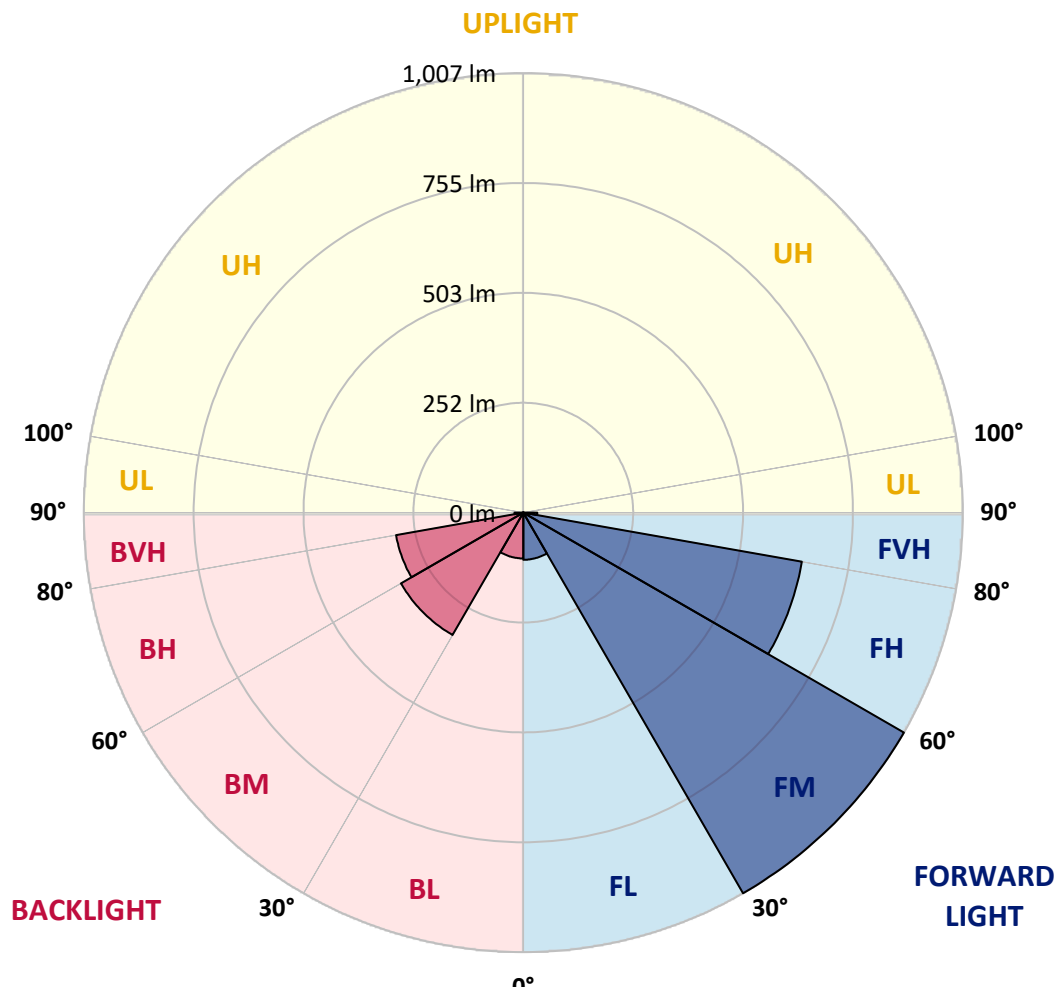
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.0	4.3			
FM	(30°-60°)	1006.6	39.6			
FH	(60°-80°)	647.8	25.5			G0/660
FVH	(80°-90°)	32.0	1.3			G1/100
BL	(0°-30°)	104.9	4.1	B0/110		
BM	(30°-60°)	323.7	12.7	B1/1000		
BH	(60°-80°)	295.8	11.7	B1/500		G1/500
BVH	(80°-90°)	20.2	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°	353.5	353.5	353.5	353.5	353.5	353.5	353.5	353.5	353.5	353.5	353.5
2.5°	296.9	299.6	317.9	336.2	337.1	337.1	338.0	338.9	341.7	343.5	345.3
5°	276.8	278.6	278.6	278.6	279.5	280.5	281.4	281.4	283.2	284.1	285.9
7.5°	232.0	250.3	256.7	262.2	265.8	268.6	270.4	272.2	274.1	275.9	277.7
10°	264.0	264.0	264.9	264.9	264.9	264.0	245.7	226.6	235.7	244.8	231.1
12.5°	217.4	221.1	237.5	253.0	257.6	261.3	252.1	242.1	225.6	209.2	207.4
15°	258.5	258.5	258.5	257.6	241.2	223.8	206.5	188.2	199.1	210.1	193.7
17.5°	223.8	223.8	237.5	250.3	249.4	247.6	232.0	215.6	190.0	163.5	184.5
20°	282.3	281.4	276.8	271.3	237.5	203.7	211.0	218.3	220.2	221.1	214.7
22.5°	252.1	253.0	258.5	264.0	264.9	265.8	226.6	186.4	209.2	232.0	210.1
25°	350.8	349.0	340.7	331.6	294.2	255.8	263.1	270.4	232.9	194.6	218.3
27.5°	333.4	328.0	324.3	320.6	327.0	333.4	298.7	263.1	271.3	279.5	249.4
30°	476.9	476.9	467.7	457.7	401.0	343.5	334.3	325.2	303.3	280.5	285.9
32.5°	603.8	603.8	570.0	535.3	501.5	467.7	423.0	378.2	369.1	359.0	349.9
35°	760.1	755.5	736.3	716.2	643.1	570.0	512.5	454.9	436.7	418.4	409.3
37.5°	906.2	896.2	869.7	842.3	765.5	687.9	612.1	536.2	516.1	496.0	475.9
40°	1026.8	1021.3	1003.0	983.9	897.1	810.3	724.4	637.6	611.1	584.7	555.4
42.5°	1137.3	1132.8	1116.3	1099.0	1013.1	926.3	845.0	762.8	723.5	684.2	649.5
45°	1218.6	1211.3	1200.4	1188.5	1120.0	1050.6	968.3	885.2	869.7	854.1	786.5
47.5°	1244.2	1231.4	1229.6	1227.8	1173.0	1118.2	1052.4	986.6	989.3	992.1	913.5
50°	1206.8	1187.6	1195.8	1204.0	1182.1	1159.3	1108.1	1056.9	1079.8	1101.7	1039.6
52.5°	1070.6	1066.1	1087.1	1107.2	1112.7	1118.2	1107.2	1095.3	1137.3	1179.4	1156.5
55°	883.4	903.5	932.7	961.9	984.8	1006.7	1038.7	1070.6	1142.8	1215.0	1231.4
57.5°	696.1	717.1	750.9	784.7	811.2	837.7	903.5	969.2	1078.0	1186.7	1260.7
60°	468.6	490.6	546.3	601.1	638.6	676.0	735.4	794.8	931.8	1068.8	1218.6
62.5°	312.4	305.1	351.7	397.4	457.7	518.0	544.5	570.0	713.5	856.0	1098.1
65°	191.8	192.8	211.0	228.4	295.1	360.8	381.9	402.0	483.3	564.6	894.3
67.5°	128.8	131.5	139.8	148.0	180.0	211.9	248.5	285.0	304.2	322.5	652.3
70°	114.2	115.1	118.8	122.4	131.5	140.7	174.5	208.3	197.3	185.4	370.0
72.5°	100.5	101.4	107.8	113.3	117.8	122.4	142.5	162.6	149.8	137.0	184.5
75°	82.2	85.0	91.4	96.8	106.0	114.2	118.8	123.3	116.9	109.6	118.8
77.5°	67.6	69.4	74.0	78.6	87.7	95.9	100.5	105.1	95.0	85.0	90.4
80°	53.0	53.9	57.6	61.2	68.5	74.9	80.4	85.0	75.8	65.8	68.5
82.5°	32.0	32.9	38.4	42.9	49.3	54.8	58.5	61.2	63.9	65.8	57.6
85°	17.4	17.4	21.0	24.7	25.6	26.5	30.1	32.9	41.1	48.4	42.0
87.5°	2.7	2.7	3.7	3.7	5.5	6.4	7.3	7.3	8.2	8.2	9.1
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°	353.5	353.5	353.5	353.5	353.5	353.5	353.5	353.5	353.5	353.5	353.5
2.5°	346.2	347.1	347.1	347.1	348.1	349.0	349.9	349.9	350.8	351.7	352.6
5°	287.8	311.5	334.3	338.0	340.7	342.6	344.4	345.3	347.1	349.0	349.9
7.5°	279.5	279.5	279.5	273.1	296.9	299.6	302.4	304.2	306.0	304.2	301.5
10°	216.5	216.5	215.6	217.4	227.5	244.8	261.3	263.1	264.9	250.3	234.8
12.5°	204.6	207.4	210.1	205.5	187.3	202.8	218.3	221.1	222.0	209.2	195.5
15°	176.3	177.2	178.1	184.5	222.0	237.5	253.0	255.8	258.5	244.8	230.2
17.5°	204.6	198.2	190.9	208.3	193.7	203.7	212.9	190.9	211.0	207.4	203.7
20°	208.3	186.4	163.5	194.6	227.5	243.0	257.6	259.4	260.4	249.4	237.5
22.5°	188.2	209.2	230.2	209.2	196.4	194.6	192.8	191.8	192.8	199.1	204.6
25°	242.1	215.6	189.1	237.5	267.7	275.0	282.3	278.6	276.8	263.1	249.4
27.5°	219.2	240.3	260.4	280.5	289.6	299.6	308.8	311.5	296.9	282.3	267.7
30°	290.5	303.3	315.2	356.3	386.4	395.6	404.7	395.6	390.1	371.8	352.6
32.5°	339.8	365.4	391.0	390.1	418.4	425.7	432.1	420.2	410.2	390.1	369.1
35°	400.1	416.6	433.0	442.1	470.5	473.2	475.9	460.4	445.8	422.0	398.3
37.5°	455.8	476.9	497.0	519.8	544.5	539.0	532.6	513.4	489.6	471.4	453.1
40°	525.3	550.9	576.4	605.7	620.3	612.1	602.9	573.7	550.9	531.7	512.5
42.5°	613.9	641.3	667.8	693.4	698.8	689.7	679.7	647.7	613.0	593.8	573.7
45°	718.0	740.0	761.9	788.4	799.3	782.9	765.5	725.3	684.2	656.8	629.4
47.5°	834.0	844.1	854.1	899.8	914.4	887.0	858.7	814.9	757.3	721.7	685.1
50°	977.5	974.7	971.1	1011.3	1045.1	999.4	952.8	901.6	845.0	794.8	743.6
52.5°	1133.7	1107.2	1079.8	1133.7	1150.1	1095.3	1040.5	985.7	929.1	864.2	798.4
55°	1247.9	1233.3	1218.6	1257.0	1255.2	1191.2	1126.4	1061.5	1014.9	928.1	841.4
57.5°	1333.7	1346.5	1358.4	1396.8	1352.9	1279.8	1206.8	1141.9	1101.7	993.0	884.3
60°	1367.5	1433.3	1498.2	1521.0	1454.3	1372.1	1289.0	1225.0	1191.2	1059.7	928.1
62.5°	1340.1	1485.4	1630.6	1635.2	1547.5	1455.2	1363.0	1310.9	1293.5	1131.9	969.2
65°	1224.1	1463.5	1701.9	1718.3	1619.7	1522.8	1425.1	1386.7	1397.7	1199.5	1000.3
67.5°	981.1	1330.1	1678.1	1732.0	1637.0	1534.7	1432.4	1418.7	1459.8	1232.3	1004.9
70°	554.5	1022.2	1489.0	1638.9	1588.6	1487.2	1384.9	1391.3	1452.5	1214.1	975.6
72.5°	231.1	707.1	1183.0	1417.8	1461.6	1375.8	1289.0	1312.7	1354.8	1128.2	900.7
75°	127.9	451.3	774.7	1087.1	1222.3	1199.5	1175.7	1202.2	1182.1	962.9	743.6
77.5°	95.0	243.9	392.8	728.1	919.9	972.0	1023.1	1035.9	923.6	703.4	483.3
80°	71.3	116.0	159.9	371.8	493.3	586.5	679.7	622.1	543.5	380.0	216.5
82.5°	49.3	66.7	84.0	119.7	191.8	221.1	249.4	237.5	178.1	125.2	71.3
85°	34.7	43.8	53.0	65.8	82.2	65.8	49.3	40.2	46.6	42.9	39.3
87.5°	9.1	9.1	8.2	9.1	6.4	5.5	4.6	3.7	3.7	3.7	3.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	353.5	353.5	353.5	353.5	353.5	353.5	353.5	353.5	353.5	353.5	353.5
2.5°	353.5	354.4	354.4	354.4	354.4	353.5	349.0	344.4	333.4	322.5	318.8
5°	338.0	326.1	317.0	307.9	307.9	307.9	309.7	311.5	312.4	313.3	314.3
7.5°	301.5	300.5	304.2	307.9	310.6	313.3	315.2	317.0	313.3	309.7	301.5
10°	235.7	235.7	240.3	243.9	250.3	256.7	275.0	293.2	308.8	324.3	327.0
12.5°	213.8	231.1	221.1	210.1	232.9	255.8	275.9	295.1	310.6	325.2	313.3
15°	214.7	198.2	201.9	205.5	230.2	254.9	236.6	217.4	254.0	289.6	297.8
17.5°	204.6	205.5	222.0	238.4	213.8	188.2	220.2	252.1	265.8	278.6	266.7
20°	210.1	181.8	201.0	220.2	237.5	254.0	237.5	220.2	224.7	229.3	260.4
22.5°	222.0	239.3	222.9	206.5	226.6	245.7	237.5	229.3	243.9	257.6	244.8
25°	221.1	191.8	219.2	246.7	228.4	209.2	219.2	229.3	222.0	213.8	237.5
27.5°	254.9	242.1	234.8	226.6	236.6	246.7	225.6	204.6	204.6	204.6	201.9
30°	318.8	285.0	270.4	254.9	230.2	205.5	198.2	190.9	191.8	192.8	206.5
32.5°	356.3	343.5	299.6	255.8	232.9	210.1	190.9	171.7	173.6	175.4	192.8
35°	389.2	379.1	320.6	261.3	223.8	185.4	169.0	151.6	159.9	167.2	181.8
37.5°	426.6	399.2	319.7	239.3	199.1	159.0	148.9	138.9	144.3	148.9	158.0
40°	460.4	407.4	311.5	214.7	174.5	133.4	128.8	123.3	127.9	132.5	137.9
42.5°	497.0	419.3	299.6	179.1	147.1	115.1	113.3	111.4	116.0	120.6	124.2
45°	525.3	421.1	284.1	146.2	125.2	104.1	104.1	103.2	107.8	111.4	113.3
47.5°	543.5	401.0	259.4	116.9	107.8	98.7	99.6	99.6	103.2	106.0	106.9
50°	556.3	368.2	235.7	103.2	98.7	94.1	94.1	94.1	97.7	100.5	102.3
52.5°	565.5	331.6	213.8	95.0	93.2	90.4	90.4	89.5	94.1	98.7	99.6
55°	568.2	294.2	191.8	88.6	86.8	85.0	86.8	87.7	93.2	97.7	98.7
57.5°	574.6	264.9	173.6	82.2	81.3	80.4	83.1	85.9	91.4	96.8	96.8
60°	587.4	245.7	160.8	75.8	75.8	75.8	80.4	84.0	89.5	95.0	94.1
62.5°	599.3	228.4	148.9	69.4	70.3	71.3	76.7	82.2	87.7	93.2	92.3
65°	601.1	201.0	132.5	63.9	65.8	66.7	73.1	79.5	85.0	90.4	88.6
67.5°	581.0	157.1	107.8	58.5	61.2	63.0	70.3	76.7	82.2	86.8	85.0
70°	544.5	112.4	83.1	53.9	56.6	58.5	65.8	72.2	76.7	81.3	79.5
72.5°	490.6	80.4	64.9	49.3	51.2	53.0	59.4	65.8	71.3	75.8	74.0
75°	404.7	64.9	54.8	44.8	46.6	47.5	53.9	59.4	64.9	69.4	66.7
77.5°	268.6	53.0	46.6	40.2	41.1	42.0	47.5	52.1	56.6	60.3	58.5
80°	129.7	42.9	39.3	34.7	35.6	35.6	40.2	44.8	48.4	51.2	50.2
82.5°	53.0	33.8	31.1	28.3	28.3	28.3	32.9	36.5	40.2	42.9	41.1
85°	32.9	26.5	24.7	21.9	21.0	20.1	21.9	23.8	25.6	26.5	25.6
87.5°	4.6	4.6	5.5	6.4	5.5	3.7	5.5	7.3	7.3	6.4	5.5
90°	0.0	0.0	2.7	2.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	353.5	353.5	353.5	353.5
2.5°	315.2	315.2	315.2	317.0
5°	314.3	314.3	314.3	316.1
7.5°	293.2	284.1	275.0	275.9
10°	328.9	329.8	329.8	330.7
12.5°	300.5	285.9	271.3	273.1
15°	306.0	306.0	305.1	306.0
17.5°	254.9	250.3	245.7	245.7
20°	291.4	291.4	291.4	291.4
22.5°	232.0	231.1	230.2	231.1
25°	261.3	262.2	262.2	261.3
27.5°	199.1	211.0	222.0	222.9
30°	219.2	219.2	219.2	219.2
32.5°	210.1	219.2	228.4	229.3
35°	195.5	194.6	193.7	196.4
37.5°	166.3	164.4	162.6	162.6
40°	143.4	139.8	136.1	136.1
42.5°	127.0	124.2	120.6	119.7
45°	115.1	112.4	108.7	108.7
47.5°	106.9	105.1	103.2	102.3
50°	103.2	101.4	99.6	99.6
52.5°	100.5	99.6	97.7	97.7
55°	98.7	97.7	95.9	95.9
57.5°	96.8	95.9	94.1	94.1
60°	93.2	92.3	91.4	91.4
62.5°	90.4	89.5	88.6	88.6
65°	86.8	86.8	85.9	85.0
67.5°	82.2	82.2	82.2	80.4
70°	76.7	76.7	76.7	74.9
72.5°	71.3	71.3	70.3	67.6
75°	63.9	63.0	62.1	60.3
77.5°	56.6	54.8	53.0	52.1
80°	48.4	46.6	44.8	42.9
82.5°	38.4	37.5	35.6	31.1
85°	23.8	21.0	17.4	15.5
87.5°	4.6	3.7	2.7	0.9
90°	0.0	0.0	0.0	0.0



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