

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: P560065

Luminaire Tested: **SDL-PA1-20-750-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
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-T4W
Description: Springdale
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2741 lumens
Efficiency: N/A
Efficacy: 130.5 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): 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

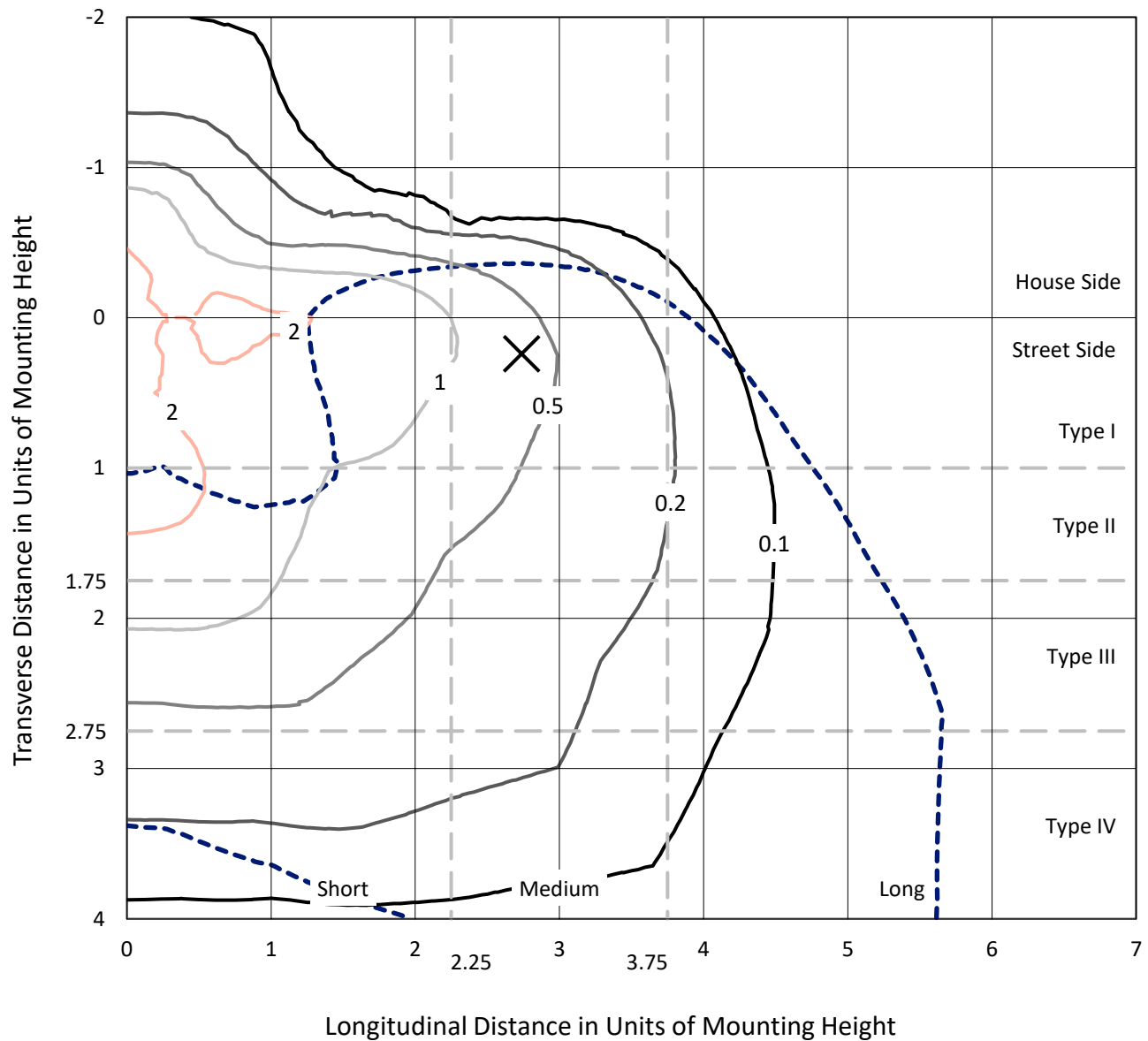


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

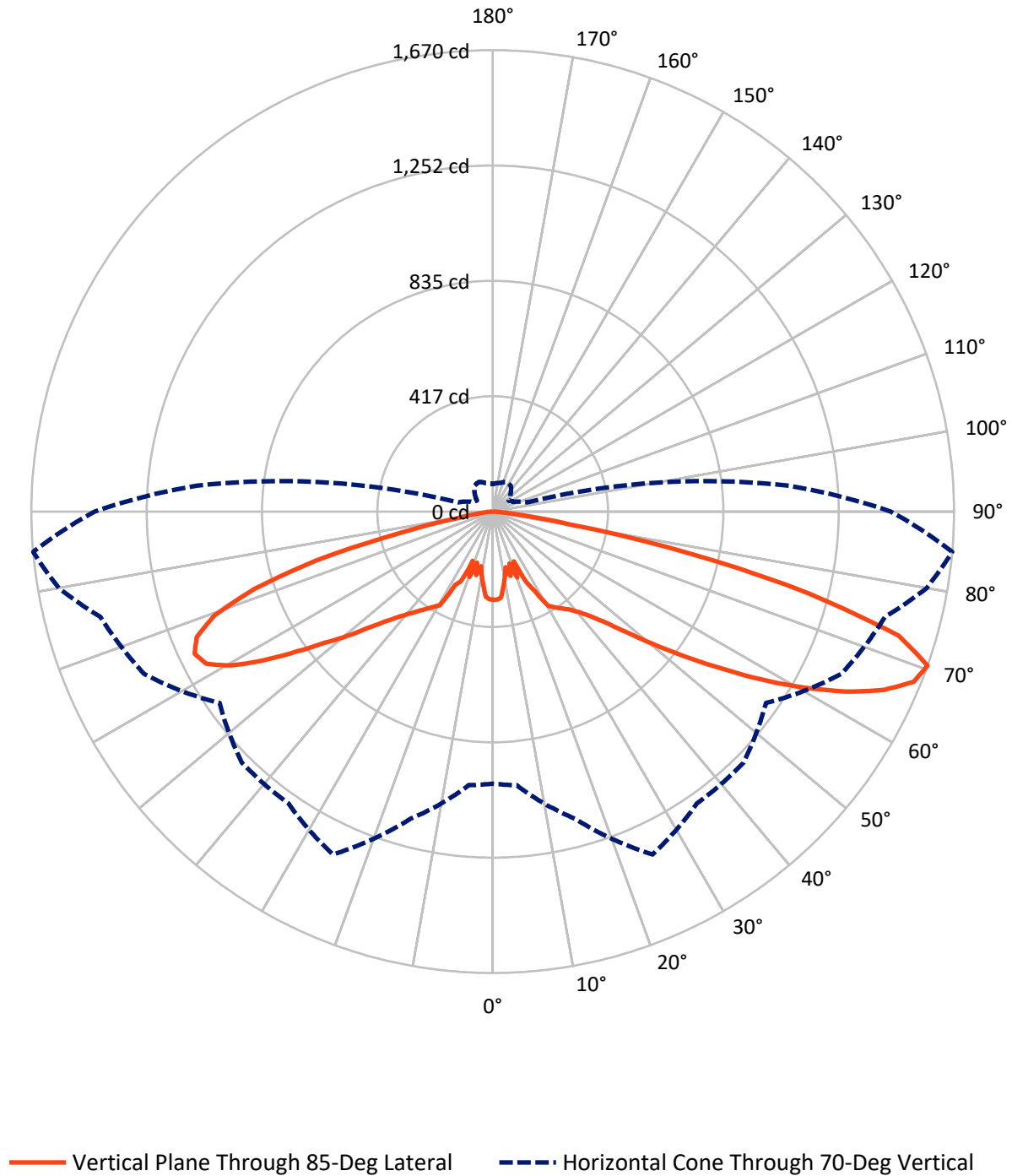


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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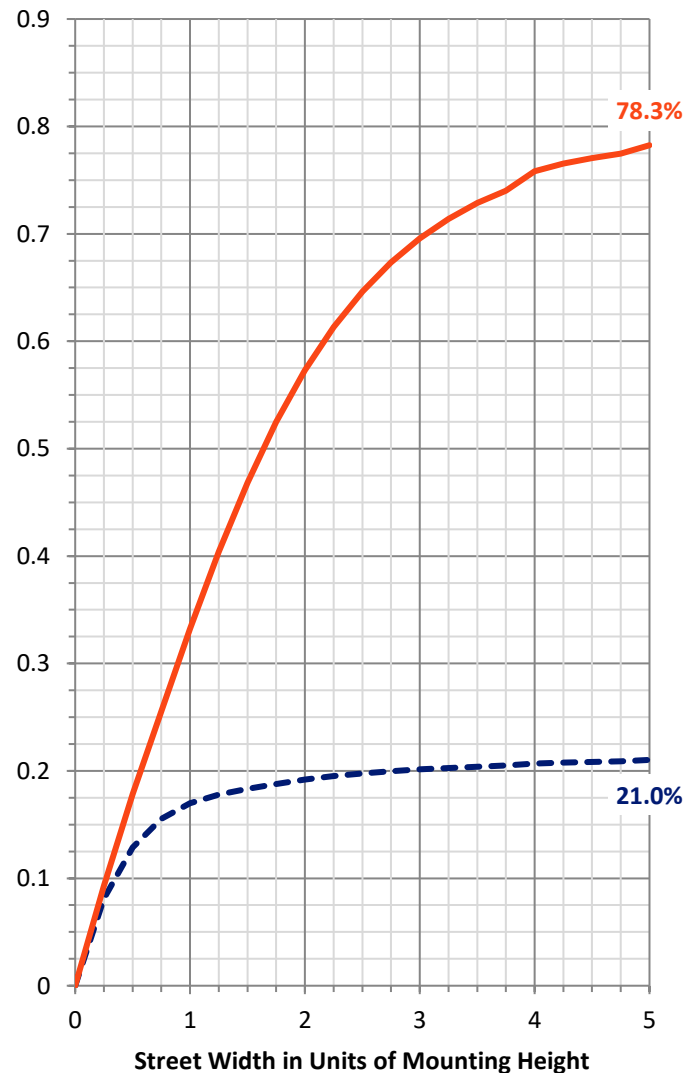
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	589.3	0.0	589.3
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	2151.7	0.0	2151.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	2741.0	0.0	2741.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	1.0
10°-20°	66.7	2.4
20°-30°	116.6	4.3
30°-40°	205.4	7.5
40°-50°	309.9	11.3
50°-60°	492.9	18.0
60°-70°	722.8	26.4
70°-80°	677.8	24.7
80°-90°	122.4	4.5
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°	2741.0	100.0
0°-180°	2741.0	100.0



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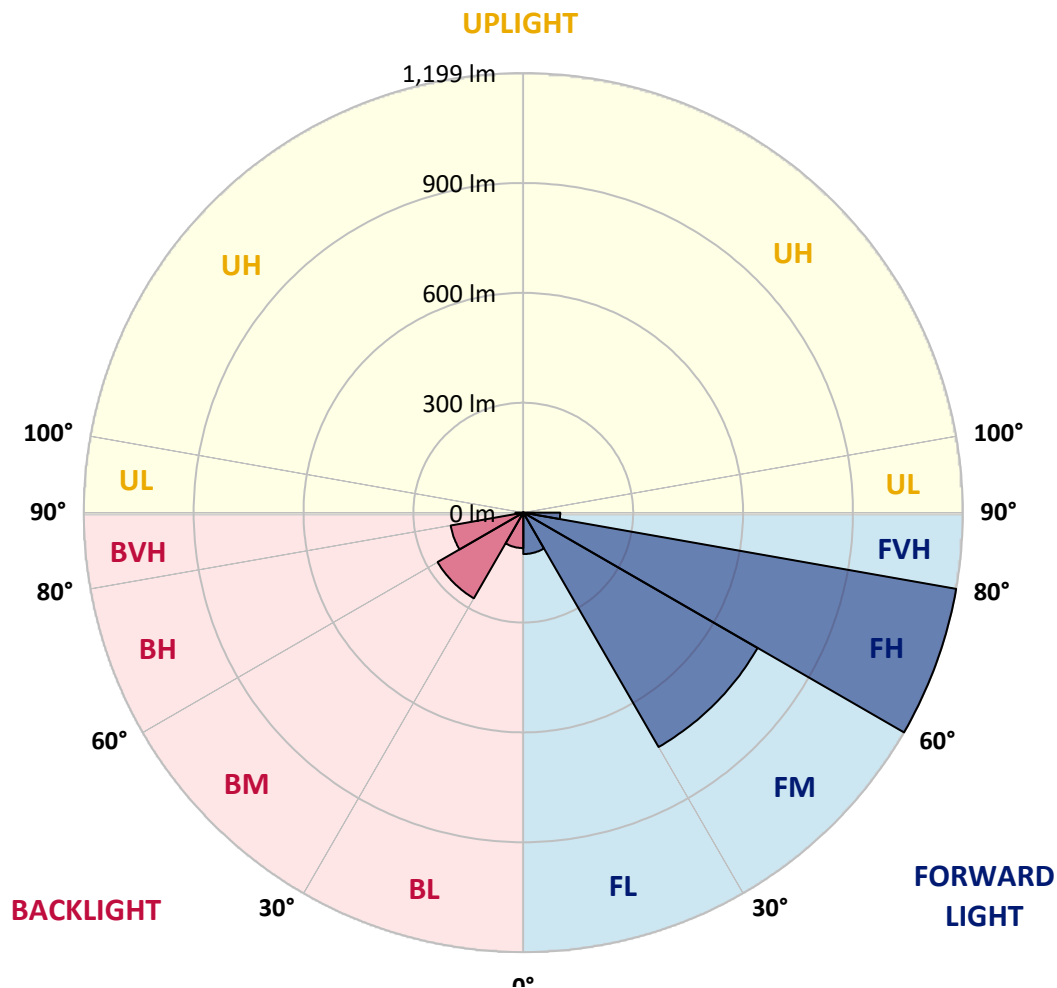
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.0	4.1			
FM	(30°-60°)	738.4	26.9			
FH	(60°-80°)	1199.4	43.8			G1/1800
FVH	(80°-90°)	100.8	3.7			G2/225
BL	(0°-30°)	96.8	3.5	B0/110		
BM	(30°-60°)	269.8	9.8	B1/1000		
BH	(60°-80°)	201.2	7.3	B1/500		G1/500
BVH	(80°-90°)	21.6	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-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7
2.5°	289.4	301.5	307.6	313.7	315.7	317.7	317.7	316.7	316.7	316.7	318.7
5°	294.4	293.4	293.4	293.4	292.4	291.4	290.4	288.4	287.4	285.3	284.3
7.5°	270.2	290.4	291.4	292.4	292.4	291.4	293.4	295.5	293.4	290.4	286.4
10°	320.8	319.7	317.7	315.7	312.7	309.6	286.4	262.1	264.1	266.1	246.9
12.5°	278.3	297.5	305.6	313.7	314.7	314.7	298.5	281.3	259.0	236.8	227.7
15°	340.0	338.0	333.9	329.9	302.5	274.2	258.0	241.8	241.8	241.8	214.5
17.5°	286.4	285.3	303.6	321.8	311.6	301.5	278.3	255.0	220.6	185.2	207.4
20°	351.1	351.1	346.1	341.0	294.4	246.9	249.9	252.0	253.0	253.0	242.8
22.5°	294.4	292.4	294.4	295.5	295.5	295.5	253.0	210.5	233.7	256.0	232.7
25°	351.1	352.1	351.1	350.1	307.6	264.1	271.2	278.3	245.9	212.5	234.7
27.5°	306.6	305.6	300.5	295.5	296.5	297.5	275.2	252.0	265.1	278.3	255.0
30°	375.4	376.4	373.4	369.3	326.8	284.3	282.3	279.3	270.2	261.1	269.2
32.5°	453.3	453.3	421.9	390.6	364.3	336.9	314.7	292.4	301.5	310.6	300.5
35°	494.8	492.8	482.7	471.5	423.0	373.4	343.0	311.6	314.7	316.7	316.7
37.5°	568.7	567.6	553.5	539.3	473.5	406.8	367.3	326.8	332.9	338.0	330.9
40°	660.7	660.7	649.6	637.5	553.5	468.5	412.8	357.2	356.2	354.1	346.1
42.5°	749.8	752.8	745.7	738.7	640.5	542.4	469.5	396.6	387.5	378.4	370.3
45°	808.5	812.5	818.6	824.7	727.5	630.4	545.4	459.4	442.2	424.0	409.8
47.5°	868.2	862.1	870.2	878.3	795.3	712.3	619.3	526.2	497.8	469.5	454.3
50°	923.8	921.8	924.8	927.9	860.1	792.3	696.2	600.0	565.6	530.2	513.0
52.5°	996.7	989.6	985.5	981.5	923.8	866.1	775.1	683.0	642.5	601.0	580.8
55°	1066.5	1063.5	1057.4	1050.3	1000.7	951.1	855.0	758.9	716.4	673.9	650.6
57.5°	1138.3	1136.3	1135.3	1134.3	1090.8	1047.3	949.1	850.0	801.4	751.8	732.6
60°	1206.1	1207.1	1215.2	1222.3	1188.9	1155.5	1056.4	957.2	895.5	832.8	813.5
62.5°	1246.6	1249.6	1269.9	1289.1	1270.9	1252.7	1150.5	1047.3	982.5	916.7	903.6
65°	1195.0	1210.2	1268.9	1327.5	1327.5	1327.5	1234.5	1140.4	1083.7	1027.0	1015.9
67.5°	1079.6	1094.8	1178.8	1261.8	1305.3	1348.8	1288.1	1227.4	1188.9	1149.5	1135.3
70°	984.5	993.6	1072.6	1150.5	1259.8	1369.0	1329.6	1289.1	1287.1	1284.0	1245.6
72.5°	904.6	924.8	989.6	1053.3	1204.1	1354.9	1353.9	1352.8	1394.3	1435.8	1361.9
75°	723.5	721.4	782.2	842.9	1012.9	1181.8	1277.0	1371.1	1490.5	1608.8	1495.5
77.5°	322.8	345.0	402.7	460.4	613.2	765.0	948.1	1131.2	1394.3	1656.4	1541.0
80°	92.1	97.1	113.3	128.5	200.3	271.2	463.4	654.7	985.5	1315.4	1237.5
82.5°	48.6	50.6	60.7	69.8	90.1	109.3	182.1	254.0	538.3	821.6	750.8
85°	23.3	21.2	27.3	32.4	43.5	54.6	84.0	113.3	208.4	303.6	262.1
87.5°	5.1	5.1	6.1	6.1	9.1	12.1	18.2	24.3	23.3	21.2	25.3
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°	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7
2.5°	319.7	320.8	321.8	320.8	319.7	318.7	318.7	317.7	317.7	316.7	314.7
5°	283.3	297.5	311.6	312.7	313.7	313.7	312.7	311.6	309.6	308.6	306.6
7.5°	282.3	277.2	272.2	273.2	274.2	275.2	275.2	272.2	271.2	263.1	255.0
10°	226.7	221.6	216.5	219.6	222.6	233.7	239.8	237.8	235.8	221.6	206.4
12.5°	218.6	216.5	214.5	199.3	184.2	197.3	206.4	205.4	202.4	189.2	176.1
15°	187.2	188.2	188.2	205.4	222.6	233.7	241.8	239.8	237.8	221.6	205.4
17.5°	228.7	217.5	205.4	202.4	199.3	204.4	197.3	186.2	193.3	191.2	189.2
20°	231.7	204.4	176.1	204.4	232.7	239.8	255.0	254.0	250.9	236.8	222.6
22.5°	209.5	225.6	240.8	225.6	210.5	200.3	195.3	193.3	192.3	196.3	199.3
25°	257.0	226.7	195.3	232.7	269.2	277.2	281.3	278.3	277.2	259.0	240.8
27.5°	230.7	246.9	263.1	275.2	287.4	297.5	327.8	298.5	297.5	280.3	262.1
30°	276.2	293.4	310.6	342.0	373.4	390.6	396.6	394.6	389.6	362.2	334.9
32.5°	290.4	324.8	358.2	372.4	385.5	403.7	412.8	411.8	406.8	374.4	341.0
35°	316.7	342.0	367.3	386.5	404.7	421.9	430.0	433.1	427.0	386.5	345.0
37.5°	323.8	356.2	388.6	408.8	429.0	442.2	449.3	458.4	451.3	402.7	353.1
40°	338.0	376.4	413.8	434.1	453.3	465.5	477.6	488.7	479.6	420.9	361.2
42.5°	361.2	400.7	439.1	462.4	484.7	501.9	516.0	531.2	514.0	438.1	361.2
45°	395.6	432.1	468.5	499.9	530.2	551.5	571.7	592.9	558.5	460.4	361.2
47.5°	439.1	474.6	509.0	558.5	608.1	627.3	651.6	671.9	616.2	488.7	361.2
50°	494.8	534.3	573.7	639.5	704.2	722.5	752.8	768.0	693.1	532.2	370.3
52.5°	559.6	603.1	645.6	722.5	799.4	829.7	870.2	880.3	771.0	575.7	379.4
55°	627.3	686.0	743.7	828.7	912.7	942.0	999.7	1007.8	871.2	629.4	386.5
57.5°	713.4	782.2	850.0	932.9	1014.9	1056.4	1146.4	1149.5	987.6	695.1	401.7
60°	794.3	880.3	965.3	1044.2	1123.2	1187.9	1292.1	1293.1	1096.8	744.7	391.6
62.5°	890.4	992.6	1093.8	1161.6	1229.4	1309.3	1434.8	1416.6	1173.7	750.8	327.8
65°	1003.8	1109.0	1214.2	1271.9	1328.6	1419.6	1555.2	1485.4	1195.0	716.4	236.8
67.5°	1120.1	1218.3	1316.4	1361.9	1407.5	1522.8	1643.2	1493.5	1163.6	664.8	164.9
70°	1207.1	1299.2	1391.3	1430.8	1470.2	1594.7	1669.6	1440.9	1075.6	602.1	128.5
72.5°	1287.1	1374.1	1460.1	1480.3	1499.6	1563.3	1536.0	1269.9	906.6	506.9	106.2
75°	1382.2	1437.8	1492.5	1456.1	1419.6	1333.6	1178.8	925.8	663.8	377.4	91.1
77.5°	1425.7	1412.5	1398.4	1273.9	1149.5	918.8	732.6	535.3	336.9	207.4	77.9
80°	1159.6	1107.0	1053.3	844.9	636.5	435.1	285.3	181.1	123.4	93.1	62.7
82.5°	679.0	556.5	434.1	318.7	203.4	142.7	93.1	73.9	57.7	54.6	50.6
85°	219.6	194.3	169.0	133.6	98.1	60.7	35.4	32.4	30.4	33.4	35.4
87.5°	29.3	29.3	28.3	21.2	13.2	7.1	4.0	3.0	3.0	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°	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7
2.5°	314.7	313.7	312.7	311.6	310.6	308.6	300.5	292.4	289.4	285.3	282.3
5°	296.5	286.4	279.3	272.2	269.2	265.1	266.1	267.1	268.1	268.1	268.1
7.5°	257.0	259.0	260.0	260.0	263.1	265.1	267.1	268.1	264.1	260.0	255.0
10°	204.4	201.4	205.4	208.4	213.5	217.5	230.7	243.9	256.0	268.1	273.2
12.5°	186.2	196.3	188.2	180.1	196.3	211.5	229.7	247.9	259.0	269.2	260.0
15°	189.2	172.0	174.0	175.0	195.3	214.5	203.4	192.3	223.6	254.0	263.1
17.5°	186.2	183.1	194.3	204.4	185.2	165.9	193.3	219.6	233.7	247.9	243.9
20°	201.4	179.1	179.1	179.1	196.3	213.5	200.3	187.2	202.4	217.5	242.8
22.5°	208.4	216.5	200.3	183.1	194.3	205.4	205.4	204.4	221.6	237.8	233.7
25°	210.5	180.1	194.3	207.4	200.3	192.3	201.4	209.5	214.5	219.6	241.8
27.5°	240.8	219.6	203.4	186.2	199.3	212.5	209.5	206.4	210.5	214.5	219.6
30°	285.3	235.8	217.5	198.3	191.2	183.1	192.3	200.3	215.5	230.7	250.9
32.5°	298.5	255.0	225.6	195.3	194.3	192.3	195.3	197.3	214.5	230.7	259.0
35°	296.5	246.9	218.6	189.2	183.1	177.1	182.1	186.2	211.5	236.8	264.1
37.5°	294.4	234.7	205.4	176.1	172.0	167.0	172.0	177.1	196.3	215.5	240.8
40°	291.4	220.6	192.3	162.9	157.8	152.8	157.8	161.9	177.1	192.3	212.5
42.5°	284.3	206.4	178.1	148.7	144.7	139.6	143.7	147.7	160.9	174.0	186.2
45°	276.2	190.2	162.9	135.6	131.5	127.5	130.5	132.6	144.7	155.8	161.9
47.5°	267.1	173.0	147.7	122.4	118.4	114.3	117.4	119.4	128.5	137.6	139.6
50°	265.1	158.9	135.6	111.3	108.3	104.2	106.2	108.3	115.4	121.4	121.4
52.5°	261.1	141.7	122.4	102.2	100.2	97.1	98.1	99.2	104.2	109.3	108.3
55°	258.0	129.5	112.3	95.1	93.1	90.1	91.1	92.1	97.1	101.2	100.2
57.5°	261.1	119.4	104.2	88.0	86.0	84.0	86.0	88.0	93.1	98.1	98.1
60°	250.9	109.3	95.1	80.9	79.9	77.9	83.0	87.0	95.1	102.2	104.2
62.5°	214.5	100.2	88.0	75.9	76.9	76.9	86.0	94.1	105.2	115.4	117.4
65°	164.9	93.1	83.0	71.8	76.9	82.0	94.1	106.2	116.4	126.5	123.4
67.5°	126.5	88.0	79.9	70.8	82.0	92.1	103.2	114.3	119.4	123.4	118.4
70°	106.2	83.0	76.9	69.8	80.9	92.1	103.2	114.3	116.4	118.4	113.3
72.5°	93.1	78.9	72.9	66.8	75.9	85.0	98.1	110.3	112.3	113.3	108.3
75°	83.0	73.9	66.8	59.7	68.8	76.9	90.1	103.2	105.2	106.2	102.2
77.5°	72.9	67.8	59.7	51.6	60.7	69.8	82.0	94.1	97.1	100.2	95.1
80°	60.7	57.7	51.6	45.5	55.7	64.8	75.9	87.0	90.1	93.1	88.0
82.5°	48.6	46.5	42.5	38.5	48.6	58.7	69.8	79.9	83.0	85.0	78.9
85°	35.4	35.4	33.4	31.4	41.5	50.6	57.7	64.8	63.7	62.7	58.7
87.5°	5.1	5.1	7.1	9.1	12.1	14.2	18.2	21.2	22.3	22.3	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°	318.7	318.7	318.7	318.7
2.5°	279.3	279.3	278.3	280.3
5°	268.1	269.2	269.2	270.2
7.5°	249.9	244.9	238.8	239.8
10°	278.3	279.3	280.3	280.3
12.5°	249.9	245.9	240.8	241.8
15°	271.2	274.2	277.2	278.3
17.5°	238.8	237.8	236.8	235.8
20°	267.1	272.2	277.2	277.2
22.5°	229.7	229.7	229.7	230.7
25°	264.1	270.2	275.2	275.2
27.5°	223.6	237.8	252.0	263.1
30°	270.2	273.2	276.2	277.2
32.5°	286.4	301.5	315.7	318.7
35°	290.4	297.5	303.6	306.6
37.5°	266.1	272.2	278.3	282.3
40°	231.7	236.8	241.8	244.9
42.5°	197.3	198.3	199.3	204.4
45°	168.0	162.9	157.8	156.8
47.5°	140.6	133.6	126.5	125.5
50°	120.4	114.3	108.3	108.3
52.5°	106.2	102.2	98.1	98.1
55°	99.2	97.1	94.1	94.1
57.5°	98.1	97.1	96.1	96.1
60°	105.2	106.2	106.2	106.2
62.5°	118.4	119.4	119.4	119.4
65°	119.4	117.4	115.4	115.4
67.5°	113.3	110.3	107.3	105.2
70°	107.3	105.2	102.2	99.2
72.5°	102.2	100.2	97.1	94.1
75°	97.1	94.1	90.1	88.0
77.5°	90.1	88.0	85.0	83.0
80°	82.0	79.9	76.9	72.9
82.5°	72.9	73.9	73.9	63.7
85°	53.6	50.6	46.5	38.5
87.5°	11.1	10.1	8.1	7.1
90°	0.0	0.0	0.0	0.0



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