

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: P560012

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
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-HSS
Description: Springdale
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1813.2 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B0 - 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

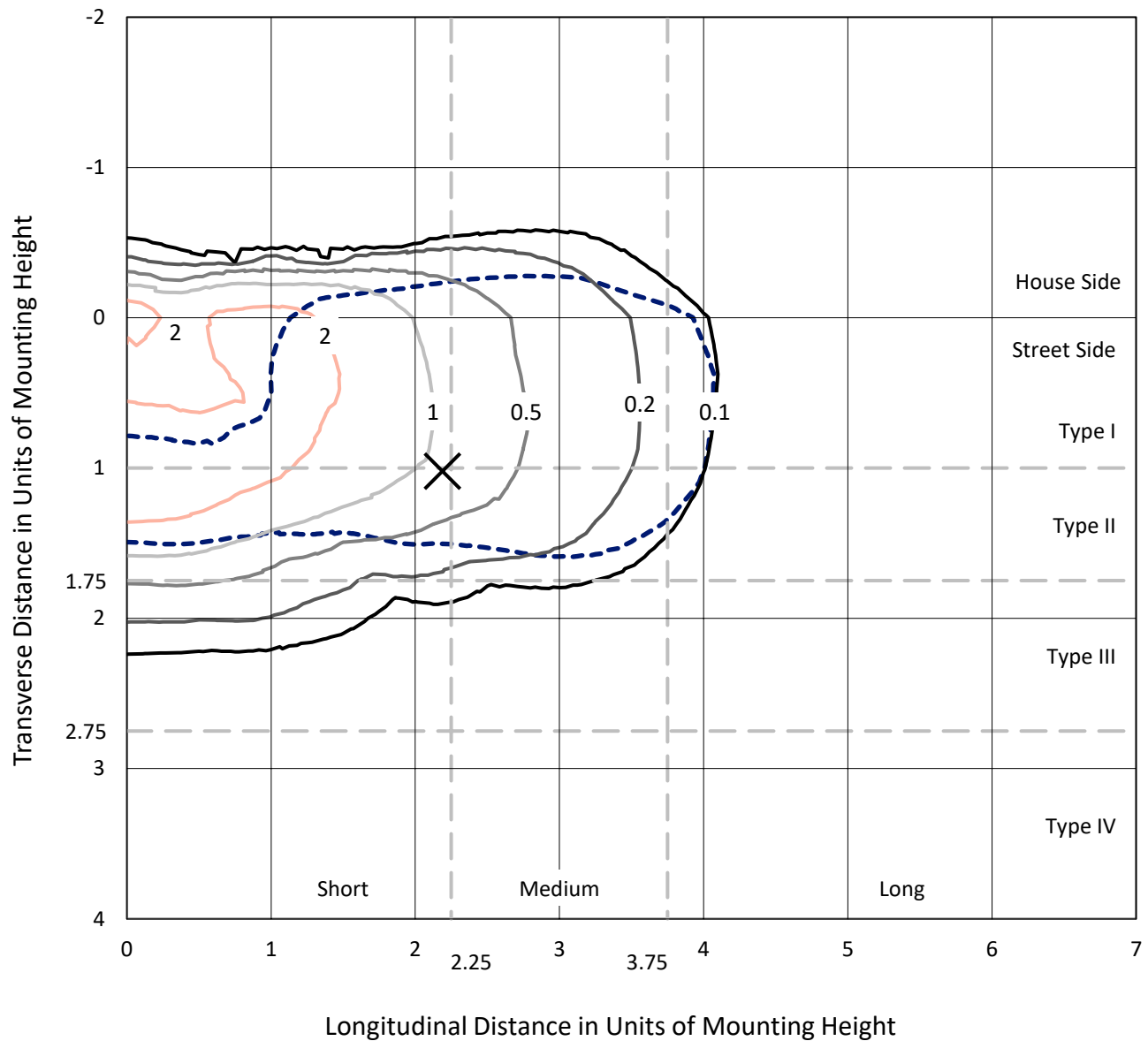


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

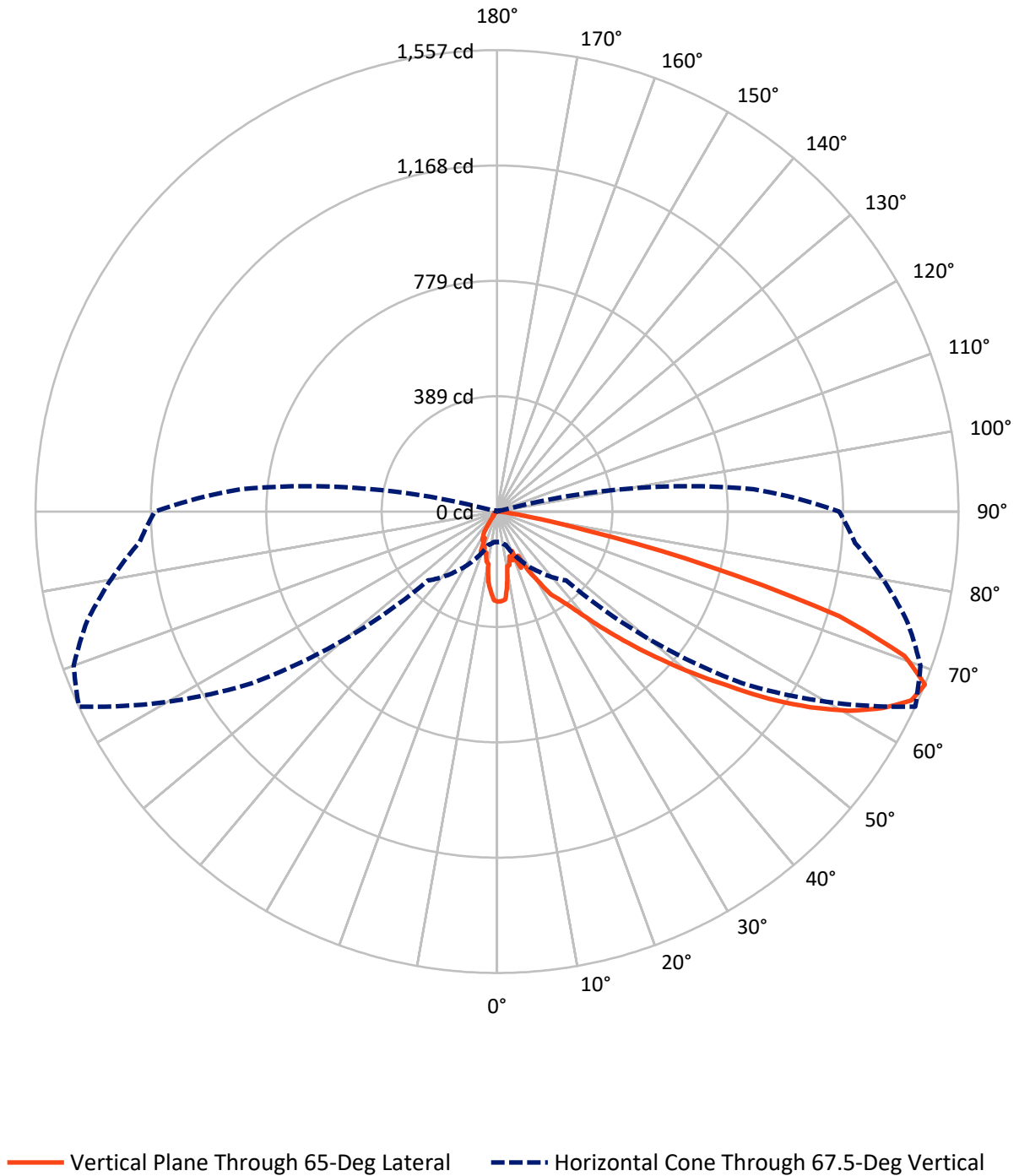


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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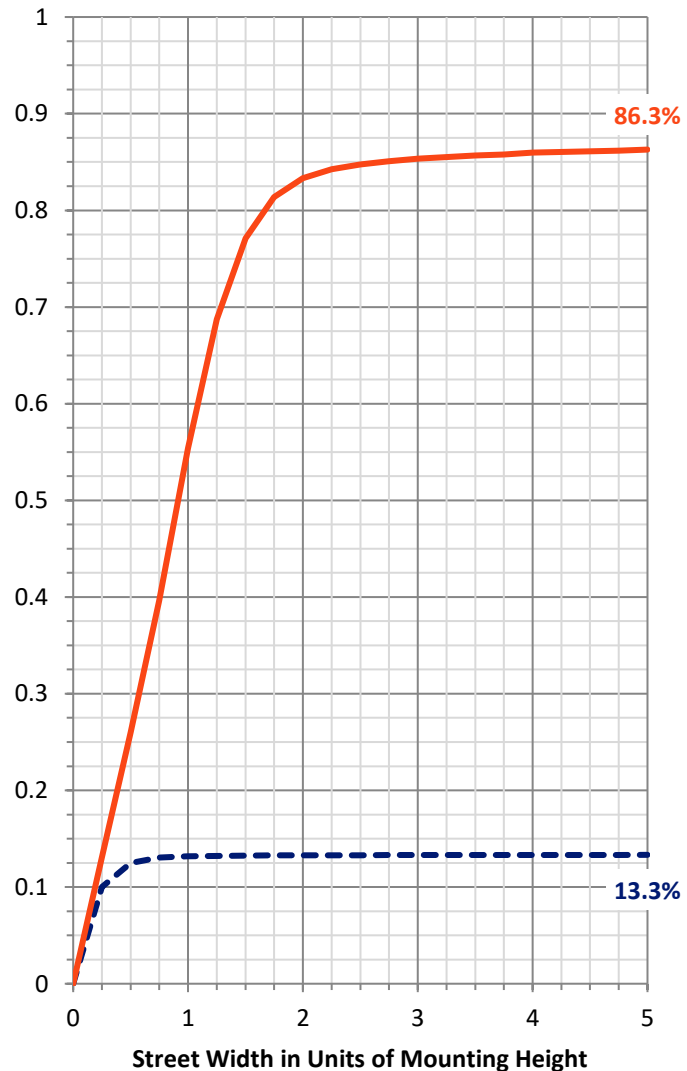
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	245.2	0.0	245.2
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	1568.0	0.0	1568.0
	% Fixture	86.5	0.0	86.5
Total	Lumens	1813.2	0.0	1813.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	1.3
10°-20°	45.1	2.5
20°-30°	68.1	3.8
30°-40°	156.8	8.6
40°-50°	343.9	19.0
50°-60°	504.8	27.8
60°-70°	438.5	24.2
70°-80°	217.4	12.0
80°-90°	15.4	0.9
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°	1813.2	100.0
0°-180°	1813.2	100.0



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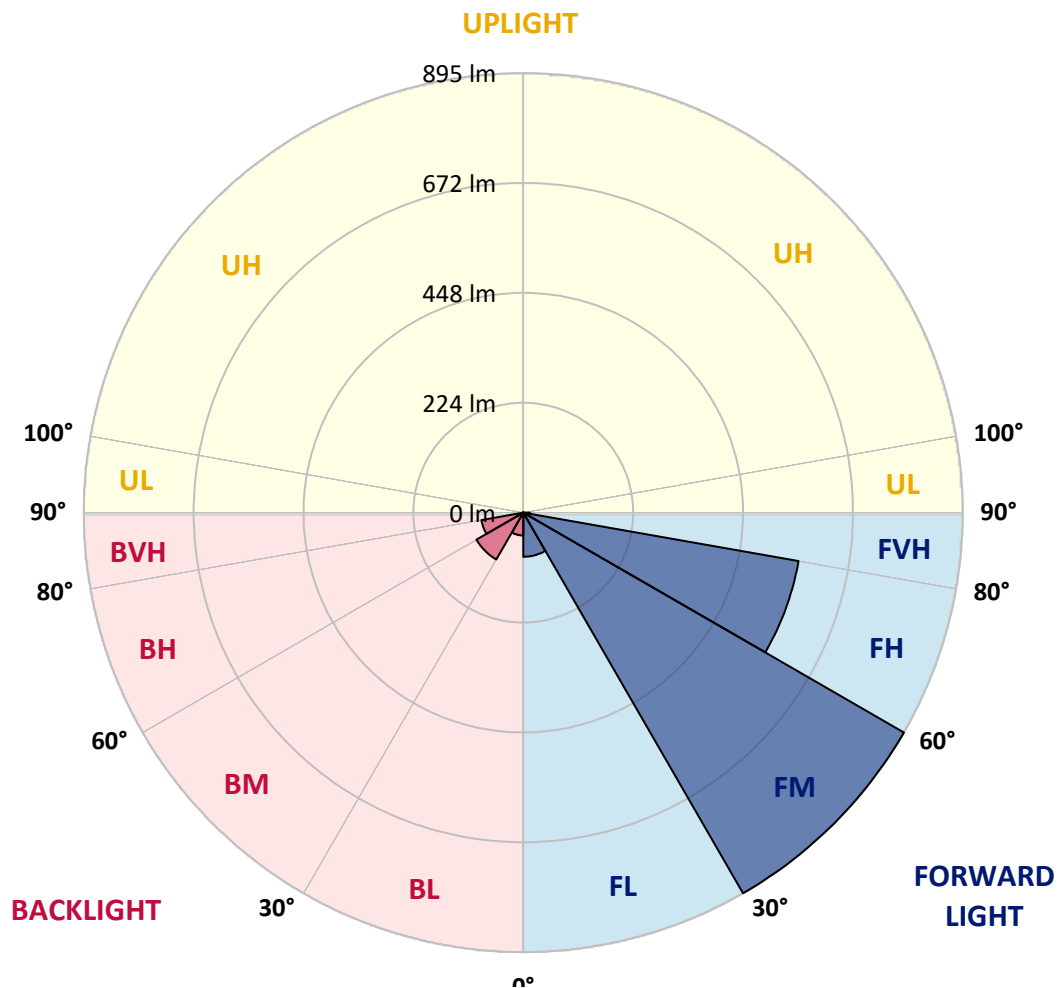
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	89.9	5.0			
FM	(30°-60°)	895.3	49.4			
FH	(60°-80°)	569.3	31.4			G0/660
FVH	(80°-90°)	13.6	0.7			G1/100
BL	(0°-30°)	46.6	2.6	B0/110		
BM	(30°-60°)	110.1	6.1	B0/220		
BH	(60°-80°)	86.6	4.8	B0/110		G0/110
BVH	(80°-90°)	1.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6
2.5°	254.2	275.2	281.6	288.0	293.5	299.0	299.9	300.8	302.7	303.6	304.5
5°	248.7	249.6	249.6	248.7	249.6	250.5	250.5	250.5	250.5	250.5	251.5
7.5°	199.3	223.1	230.4	236.8	240.5	243.2	245.1	246.0	246.9	247.8	248.7
10°	240.5	239.6	240.5	240.5	241.4	241.4	220.4	199.3	206.6	213.1	202.1
12.5°	191.1	210.3	218.5	226.8	232.3	236.8	227.7	217.6	198.4	178.3	179.2
15°	230.4	230.4	230.4	230.4	213.1	194.8	182.9	170.1	180.1	189.3	171.0
17.5°	185.6	185.6	202.1	218.5	218.5	217.6	205.7	192.9	167.3	141.7	164.6
20°	229.5	229.5	230.4	231.3	201.2	171.0	181.0	190.2	193.8	197.5	189.3
22.5°	187.4	187.4	190.2	192.0	203.0	214.0	184.7	155.4	179.2	203.0	186.5
25°	242.3	243.2	245.1	246.0	218.5	190.2	203.0	215.8	190.2	164.6	190.2
27.5°	219.5	215.8	215.8	214.9	224.0	232.3	214.0	195.7	212.1	228.6	209.4
30°	308.1	305.4	301.7	298.1	263.3	228.6	229.5	229.5	223.1	216.7	227.7
32.5°	427.0	422.4	391.4	360.3	334.7	309.1	282.5	256.0	265.2	273.4	267.9
35°	573.3	573.3	544.1	514.8	457.2	399.6	354.8	309.1	305.4	301.7	307.2
37.5°	747.0	728.8	694.0	659.3	587.9	515.7	447.1	378.6	370.3	361.2	352.0
40°	876.0	873.2	846.7	820.2	732.4	644.6	564.2	482.8	456.3	428.8	408.7
42.5°	1010.4	1000.3	979.3	957.4	868.7	779.1	693.1	606.2	569.7	533.1	497.4
45°	1107.3	1104.6	1086.3	1068.0	995.8	922.6	833.0	742.5	718.7	694.9	628.2
47.5°	1167.7	1152.1	1144.8	1136.6	1074.4	1012.2	936.3	859.5	855.9	851.3	767.2
50°	1149.4	1135.7	1137.5	1139.3	1109.1	1079.0	1021.4	962.8	972.9	983.0	913.5
52.5°	1052.5	1040.6	1057.0	1072.6	1071.7	1070.7	1049.7	1027.8	1064.3	1100.0	1052.5
55°	858.6	866.8	899.7	932.7	954.6	975.6	1005.8	1035.1	1104.6	1173.1	1164.0
57.5°	673.0	691.3	725.1	758.0	793.7	828.4	892.4	956.4	1073.5	1189.6	1229.8
60°	451.7	463.6	523.0	581.5	614.5	647.4	716.9	785.5	944.6	1102.7	1207.9
62.5°	280.7	287.1	320.9	354.8	421.5	488.3	523.0	556.9	728.8	899.7	1094.5
65°	172.8	171.0	184.7	197.5	263.3	328.3	351.1	373.1	487.4	600.7	903.4
67.5°	103.3	102.4	109.7	117.0	147.2	177.4	213.1	248.7	288.9	328.3	669.3
70°	84.1	86.0	88.7	91.4	99.7	107.9	140.8	173.7	172.8	171.9	402.3
72.5°	70.4	72.2	77.7	82.3	88.7	94.2	113.4	131.7	123.4	115.2	192.0
75°	52.1	53.0	60.3	66.7	76.8	86.0	90.5	94.2	90.5	86.9	96.9
77.5°	34.7	34.7	41.1	47.5	57.6	67.7	73.2	78.6	72.2	65.8	68.6
80°	21.9	21.9	25.6	28.3	38.4	48.5	54.9	61.3	55.8	49.4	48.5
82.5°	12.8	13.7	15.5	17.4	23.8	30.2	34.7	39.3	45.7	51.2	41.1
85°	5.5	6.4	8.2	9.1	12.8	15.5	18.3	21.0	26.5	32.0	26.5
87.5°	0.9	0.9	1.8	2.7	3.7	4.6	4.6	4.6	4.6	3.7	4.6
90°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6
2.5°	304.5	303.6	302.7	302.7	302.7	301.7	300.8	300.8	300.8	299.9	299.0
5°	251.5	274.3	297.2	298.1	299.9	299.0	298.1	297.2	296.3	295.3	293.5
7.5°	248.7	246.9	245.1	238.7	260.6	260.6	259.7	259.7	257.9	250.5	243.2
10°	190.2	189.3	187.4	190.2	194.8	210.3	224.9	224.0	221.3	203.9	186.5
12.5°	180.1	182.9	185.6	176.5	159.1	173.7	188.4	186.5	184.7	169.2	152.7
15°	152.7	154.5	156.4	171.0	197.5	211.2	224.0	222.2	220.4	202.1	182.9
17.5°	187.4	180.1	172.8	182.9	173.7	180.1	186.5	179.2	173.7	166.4	159.1
20°	180.1	160.9	141.7	171.0	204.8	215.8	226.8	224.0	218.5	201.2	182.9
22.5°	169.2	188.4	206.6	197.5	181.0	171.0	160.9	156.4	152.7	153.6	154.5
25°	214.9	190.2	164.6	208.5	235.0	238.7	241.4	233.2	224.0	204.8	184.7
27.5°	189.3	207.6	224.9	242.3	251.5	254.2	256.0	267.9	248.7	223.1	197.5
30°	238.7	254.2	269.7	308.1	339.2	344.7	350.2	336.5	320.9	289.9	258.8
32.5°	262.4	298.1	332.8	351.1	363.9	368.5	373.1	354.8	337.4	297.2	256.0
35°	311.8	338.3	364.8	385.9	410.6	411.5	412.4	392.3	370.3	311.8	253.3
37.5°	342.0	376.7	410.6	434.3	472.7	470.0	467.2	443.5	417.0	334.7	252.4
40°	387.7	432.5	476.4	499.3	545.9	537.7	529.4	502.0	472.7	359.4	246.0
42.5°	461.8	509.3	556.9	576.1	627.3	618.1	608.1	571.5	534.0	379.5	224.9
45°	560.5	603.5	646.5	680.3	720.5	705.9	691.3	652.0	597.1	396.8	196.6
47.5°	682.1	714.1	746.1	812.9	842.1	812.9	782.7	735.2	665.7	411.5	157.3
50°	844.0	851.3	857.7	940.9	970.2	925.4	880.5	819.3	736.1	427.9	118.9
52.5°	1004.0	990.3	975.6	1065.3	1076.2	1016.8	956.4	892.4	788.2	437.1	85.0
55°	1154.9	1135.7	1115.5	1179.5	1172.2	1093.6	1015.0	937.2	820.2	439.8	59.4
57.5°	1270.1	1258.2	1245.4	1274.6	1247.2	1154.9	1062.5	984.8	844.0	444.4	43.9
60°	1312.1	1338.7	1365.2	1361.5	1311.2	1213.4	1115.5	1033.2	858.6	446.2	32.9
62.5°	1289.3	1375.2	1460.3	1425.5	1364.3	1260.9	1156.7	1077.1	865.0	445.3	25.6
65°	1206.1	1371.6	1536.2	1478.6	1401.7	1298.4	1195.1	1123.8	872.3	446.2	20.1
67.5°	1009.5	1283.8	1557.2	1520.6	1432.8	1323.1	1212.5	1154.9	868.7	442.6	16.5
70°	631.8	1045.1	1458.4	1486.8	1432.8	1312.1	1191.4	1145.7	835.7	424.3	12.8
72.5°	267.9	737.9	1207.9	1331.3	1368.8	1251.8	1134.7	1078.1	765.3	387.7	10.1
75°	106.1	424.3	742.5	938.2	1053.4	1004.0	953.7	877.8	502.0	255.1	7.3
77.5°	71.3	193.8	316.4	460.8	549.5	568.7	587.9	501.1	200.2	103.3	5.5
80°	47.5	77.7	107.9	165.5	197.5	186.5	174.6	143.6	61.3	32.9	4.6
82.5°	30.2	40.2	50.3	56.7	58.5	42.1	25.6	21.0	7.3	5.5	2.7
85°	20.1	23.8	27.4	28.3	28.3	20.1	11.0	5.5	2.7	2.7	1.8
87.5°	5.5	6.4	6.4	6.4	4.6	3.7	2.7	1.8	1.8	1.8	1.8
90°	2.7	3.7	3.7	3.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6
2.5°	299.0	299.0	298.1	297.2	297.2	296.3	287.1	277.1	267.9	257.9	256.9
5°	281.6	268.8	256.9	245.1	243.2	240.5	240.5	239.6	239.6	238.7	238.7
7.5°	241.4	239.6	237.7	235.9	235.0	233.2	232.3	230.4	229.5	227.7	217.6
10°	182.9	178.3	178.3	177.4	179.2	181.0	180.1	178.3	190.2	202.1	201.2
12.5°	162.8	171.9	163.7	154.5	157.3	159.1	161.8	164.6	163.7	161.8	148.1
15°	163.7	143.6	137.2	129.8	133.5	136.2	112.5	87.8	83.2	78.6	73.2
17.5°	152.7	146.3	141.7	136.2	104.2	71.3	64.0	56.7	50.3	43.0	42.1
20°	154.5	125.3	117.0	107.9	83.2	58.5	44.8	31.1	27.4	23.8	27.4
22.5°	150.9	146.3	107.0	67.7	50.3	32.9	27.4	21.0	22.9	24.7	24.7
25°	141.7	98.8	76.8	54.9	38.4	21.0	21.9	21.9	20.1	17.4	19.2
27.5°	153.6	108.8	69.5	29.3	25.6	21.0	19.2	16.5	16.5	16.5	15.5
30°	177.4	95.1	59.4	23.8	20.1	16.5	15.5	14.6	13.7	11.9	12.8
32.5°	168.2	80.5	50.3	20.1	17.4	14.6	12.8	11.0	11.0	11.0	11.0
35°	152.7	51.2	34.7	17.4	14.6	11.9	11.0	9.1	9.1	9.1	9.1
37.5°	142.6	32.9	23.8	13.7	11.9	10.1	9.1	7.3	7.3	7.3	8.2
40°	134.4	22.9	17.4	11.9	10.1	7.3	6.4	5.5	6.4	6.4	6.4
42.5°	122.5	19.2	14.6	10.1	8.2	6.4	5.5	4.6	5.5	5.5	5.5
45°	107.0	17.4	12.8	8.2	7.3	5.5	4.6	3.7	4.6	4.6	4.6
47.5°	86.0	14.6	11.0	7.3	6.4	4.6	4.6	3.7	3.7	3.7	3.7
50°	66.7	13.7	10.1	6.4	5.5	3.7	3.7	2.7	3.7	3.7	3.7
52.5°	48.5	11.9	9.1	5.5	4.6	2.7	2.7	2.7	2.7	2.7	2.7
55°	34.7	10.1	7.3	4.6	3.7	2.7	2.7	1.8	2.7	2.7	2.7
57.5°	26.5	9.1	6.4	3.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8
60°	21.0	8.2	6.4	3.7	2.7	1.8	1.8	0.9	1.8	1.8	1.8
62.5°	16.5	6.4	5.5	3.7	2.7	1.8	1.8	0.9	1.8	1.8	1.8
65°	12.8	5.5	4.6	2.7	1.8	0.9	0.9	0.9	1.8	1.8	1.8
67.5°	11.0	4.6	3.7	2.7	1.8	0.9	1.8	1.8	1.8	1.8	1.8
70°	9.1	4.6	3.7	2.7	1.8	0.9	1.8	1.8	2.7	2.7	1.8
72.5°	7.3	3.7	2.7	1.8	1.8	0.9	1.8	1.8	2.7	2.7	1.8
75°	5.5	2.7	2.7	1.8	1.8	0.9	1.8	2.7	2.7	2.7	1.8
77.5°	4.6	2.7	2.7	1.8	1.8	0.9	1.8	2.7	2.7	2.7	2.7
80°	3.7	1.8	1.8	1.8	0.9	0.0	1.8	3.7	3.7	2.7	2.7
82.5°	2.7	1.8	1.8	1.8	0.9	0.0	1.8	3.7	3.7	2.7	2.7
85°	1.8	1.8	1.8	1.8	1.8	0.9	2.7	3.7	3.7	2.7	2.7
87.5°	1.8	1.8	1.8	1.8	1.8	0.9	1.8	2.7	2.7	2.7	2.7
90°	1.8	1.8	2.7	2.7	1.8	0.9	1.8	2.7	2.7	2.7	2.7

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	303.6	303.6	303.6	303.6
2.5°	255.1	256.9	257.9	256.0
5°	237.7	237.7	236.8	239.6
7.5°	206.6	201.2	194.8	190.2
10°	199.3	194.8	190.2	191.1
12.5°	133.5	119.8	106.1	110.6
15°	67.7	64.0	60.3	60.3
17.5°	40.2	36.6	32.0	32.9
20°	30.2	30.2	30.2	30.2
22.5°	23.8	22.9	21.0	20.1
25°	20.1	20.1	20.1	20.1
27.5°	14.6	14.6	13.7	12.8
30°	12.8	12.8	12.8	11.9
32.5°	10.1	11.0	11.0	11.0
35°	9.1	9.1	9.1	9.1
37.5°	8.2	8.2	7.3	7.3
40°	6.4	6.4	6.4	6.4
42.5°	5.5	5.5	5.5	5.5
45°	4.6	4.6	4.6	4.6
47.5°	3.7	3.7	3.7	3.7
50°	3.7	3.7	2.7	2.7
52.5°	2.7	2.7	1.8	1.8
55°	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	0.9	0.9
60°	1.8	1.8	0.9	0.9
62.5°	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.0	0.0
67.5°	0.9	0.9	0.0	0.0
70°	0.9	0.9	0.0	0.0
72.5°	0.9	0.9	0.0	0.0
75°	0.9	0.9	0.0	0.0
77.5°	1.8	0.9	0.0	0.0
80°	1.8	1.8	0.9	0.0
82.5°	1.8	1.8	0.9	0.0
85°	1.8	1.8	0.9	0.0
87.5°	1.8	1.8	0.9	0.0
90°	1.8	1.8	0.9	0.0



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