

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: P560196

Luminaire Tested: **SDL-PA1-30-730-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-730-U-T4W-HSS
Description: Springdale
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2508 lumens
Efficiency: N/A
Efficacy: 83.3 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: B0 - U0 - G1

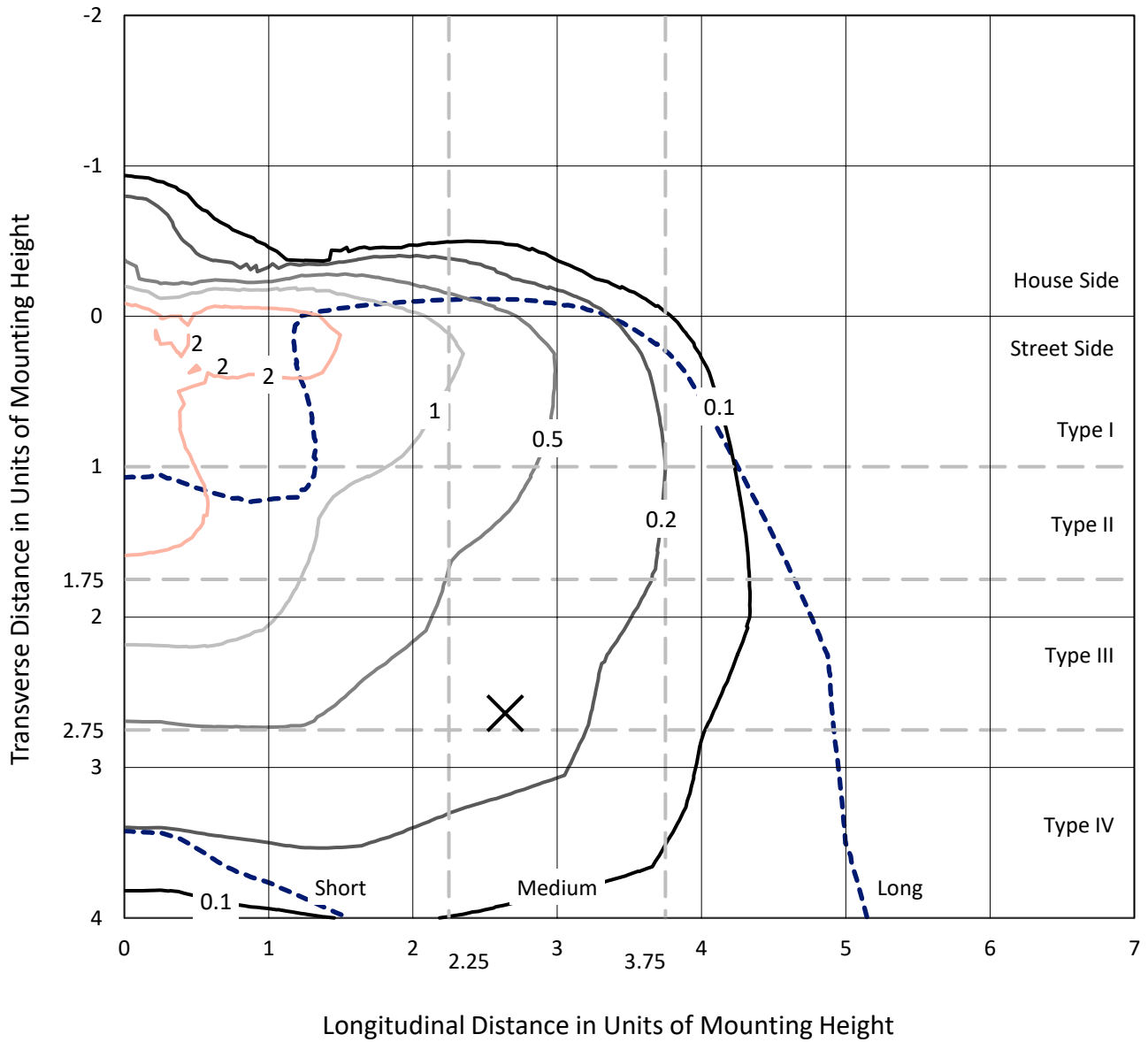
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

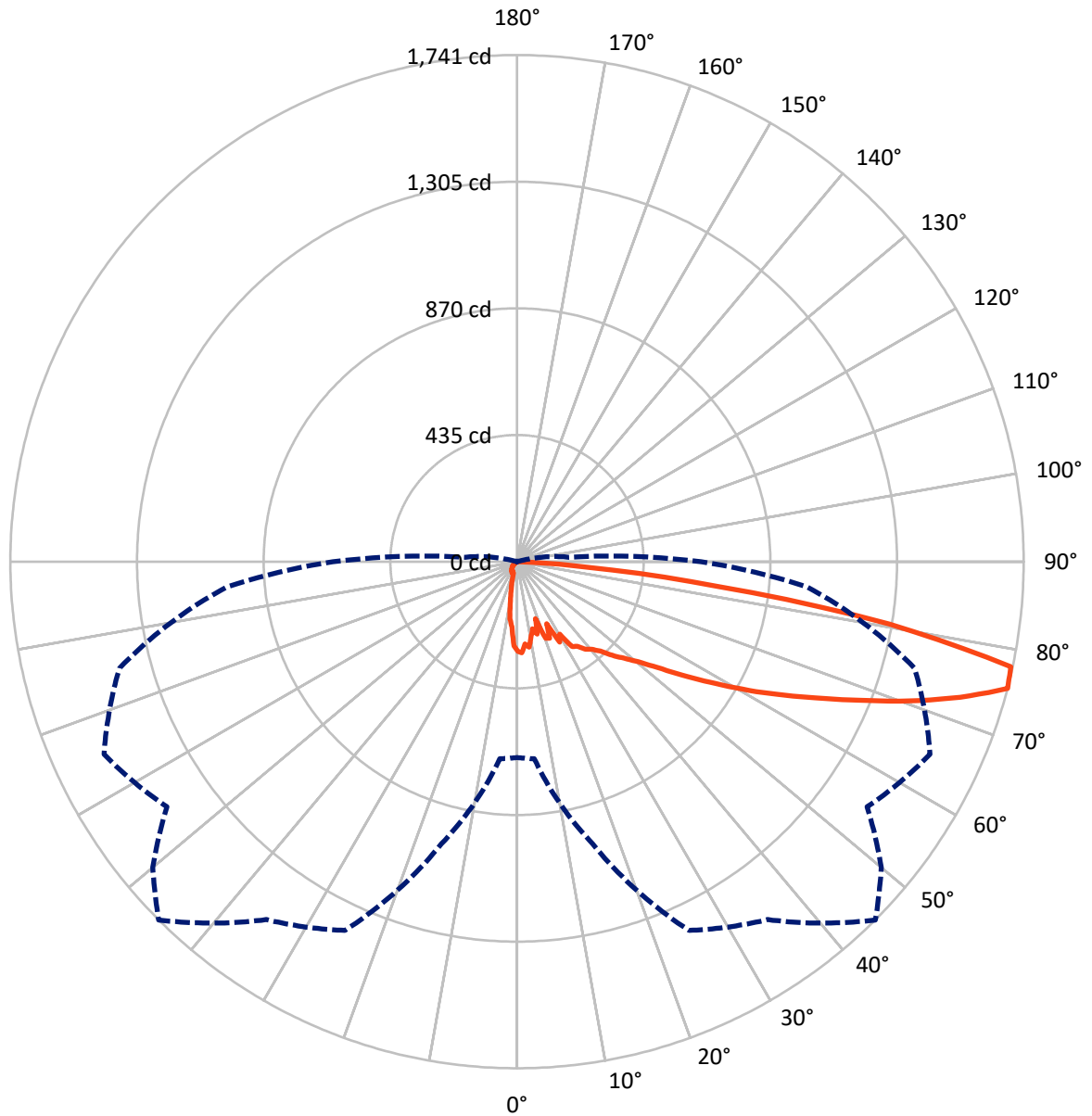
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



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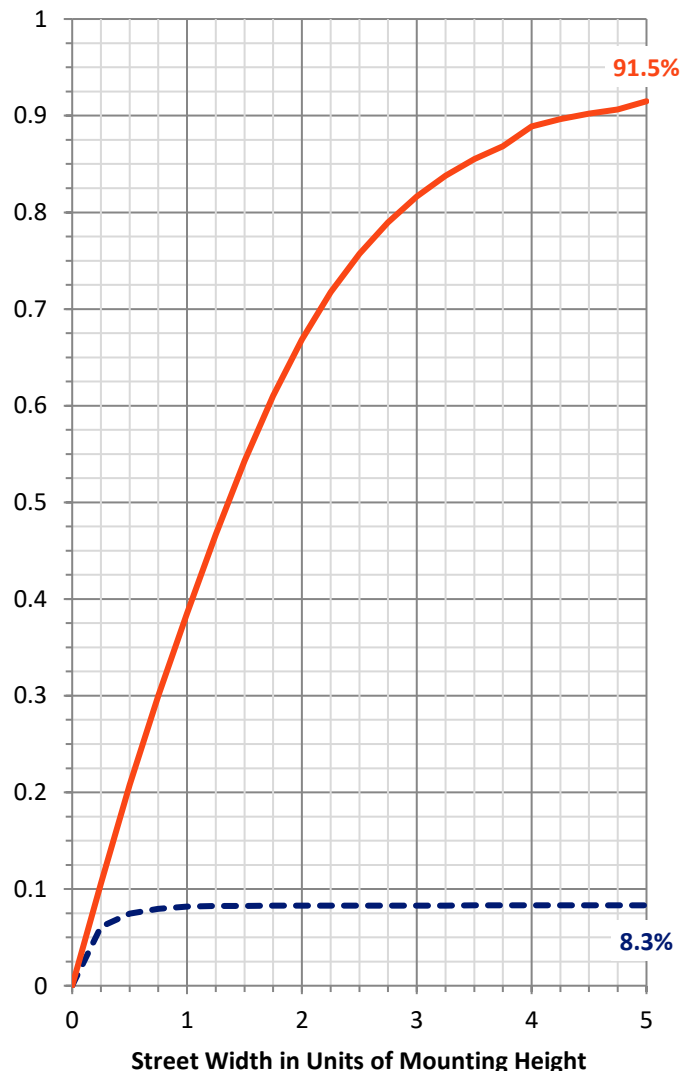
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	210.6	0.0	210.6
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	2297.4	0.0	2297.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	2508.0	0.0	2508.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	1.0
10°-20°	52.5	2.1
20°-30°	88.8	3.5
30°-40°	163.5	6.5
40°-50°	268.3	10.7
50°-60°	477.5	19.0
60°-70°	714.4	28.5
70°-80°	636.1	25.4
80°-90°	83.1	3.3
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°	2508.0	100.0
0°-180°	2508.0	100.0

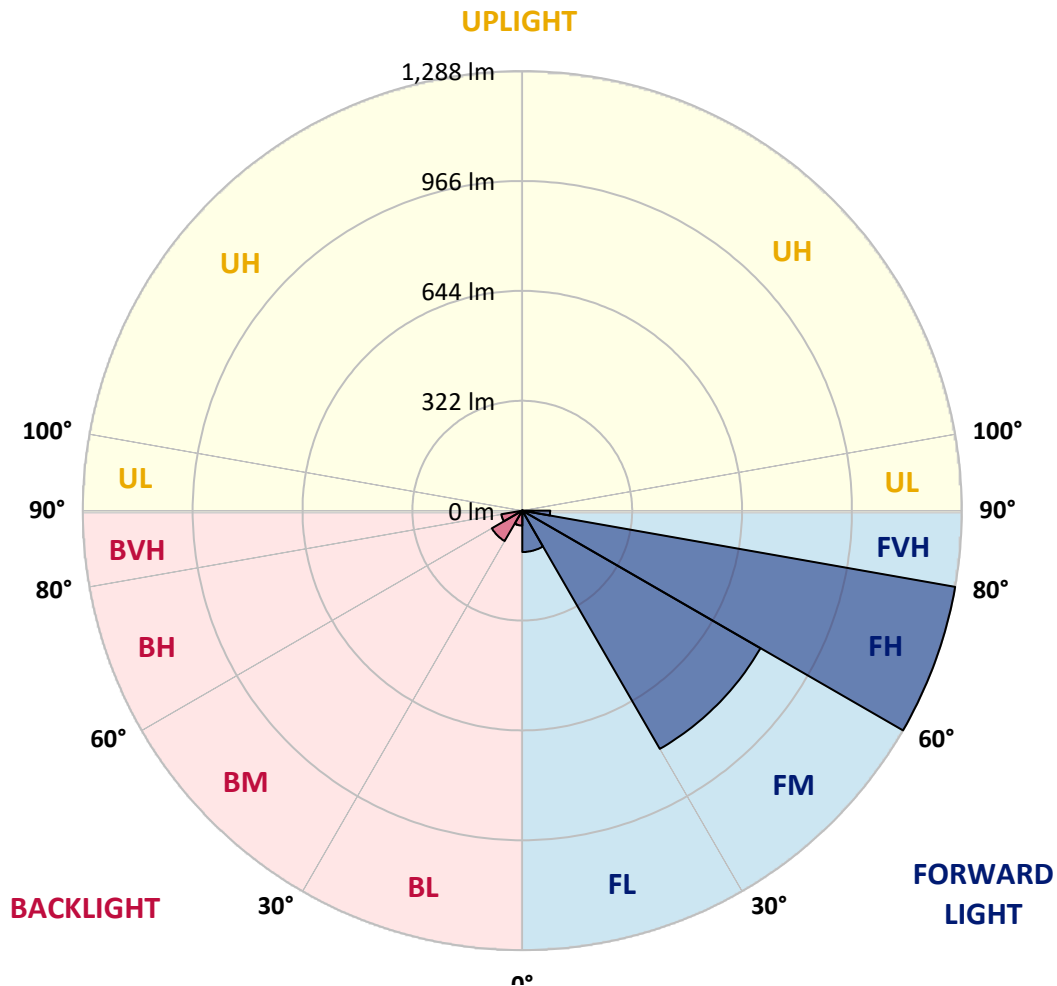


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	121.2	4.8			
FM (30°-60°)	806.2	32.1			
FH (60°-80°)	1288.2	51.4			G1/1800
FVH (80°-90°)	81.8	3.3			G1/100
BL (0°-30°)	43.9	1.8	B0/110		
BM (30°-60°)	103.0	4.1	B0/220		
BH (60°-80°)	62.4	2.5	B0/110		G0/110
BVH (80°-90°)	1.3	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5
2.5°	286.1	307.5	310.0	311.3	313.8	315.1	315.1	315.1	315.1	313.8	313.8
5°	302.5	301.2	300.0	298.7	297.4	294.9	292.4	288.6	286.1	283.6	281.0
7.5°	296.2	297.4	301.2	303.7	302.5	301.2	303.7	305.0	301.2	296.2	291.1
10°	345.3	342.8	340.3	337.8	334.0	330.2	300.0	269.7	267.2	263.4	260.9
12.5°	302.5	340.3	340.3	340.3	340.3	340.3	320.1	300.0	268.4	236.9	200.4
15°	378.1	376.8	371.8	366.7	332.7	297.4	278.5	259.6	259.6	258.4	243.2
17.5°	313.8	313.8	339.0	363.0	349.1	335.2	308.8	282.3	244.5	205.4	220.6
20°	397.0	397.0	392.0	386.9	328.9	271.0	273.5	276.0	278.5	281.0	233.2
22.5°	326.4	323.9	321.4	318.9	325.2	331.5	279.8	226.9	257.1	286.1	223.1
25°	398.3	402.0	399.5	395.7	344.1	292.4	303.7	313.8	274.7	235.7	273.5
27.5°	341.5	337.8	332.7	326.4	330.2	334.0	310.0	284.8	298.7	312.6	250.8
30°	418.4	419.7	417.2	414.6	365.5	316.3	315.1	312.6	301.2	288.6	282.3
32.5°	518.0	507.9	472.6	437.3	407.1	376.8	352.9	328.9	339.0	347.8	313.8
35°	565.9	547.0	531.8	515.5	465.1	413.4	384.4	354.1	355.4	356.7	342.8
37.5°	612.5	584.8	565.9	547.0	486.5	426.0	394.5	363.0	373.1	381.9	366.7
40°	628.9	613.8	602.4	591.1	526.8	461.3	424.7	386.9	392.0	395.7	390.7
42.5°	670.5	668.0	661.7	654.1	577.2	499.1	455.0	410.9	415.9	419.7	417.2
45°	770.0	766.3	766.3	765.0	665.4	564.6	506.6	448.7	453.7	458.8	456.2
47.5°	898.6	892.3	884.7	875.9	770.0	662.9	579.7	495.3	495.3	495.3	499.1
50°	1033.4	1024.6	1008.2	990.6	883.5	776.3	670.5	564.6	553.3	540.7	554.5
52.5°	1173.3	1158.2	1130.5	1101.5	1007.0	912.5	792.7	671.7	637.7	602.4	620.1
55°	1249.0	1232.6	1213.7	1193.5	1116.6	1038.5	916.2	794.0	741.1	686.9	705.8
57.5°	1310.7	1306.9	1298.1	1289.3	1230.1	1170.8	1048.6	925.1	853.2	781.4	797.8
60°	1395.2	1390.1	1393.9	1397.7	1352.3	1306.9	1191.0	1073.8	981.8	888.5	883.5
62.5°	1458.2	1456.9	1475.8	1494.7	1470.8	1445.6	1315.8	1184.7	1095.2	1004.5	979.3
65°	1400.2	1416.6	1487.2	1557.7	1554.0	1548.9	1427.9	1305.7	1217.5	1128.0	1095.2
67.5°	1277.9	1285.5	1390.1	1493.5	1538.8	1582.9	1497.2	1410.3	1341.0	1270.4	1209.9
70°	1163.3	1179.6	1271.6	1363.6	1480.9	1598.1	1530.0	1462.0	1448.1	1433.0	1354.8
72.5°	1052.4	1081.3	1167.0	1252.7	1409.0	1564.0	1523.7	1483.4	1537.6	1591.8	1498.5
75°	673.0	679.3	841.9	1003.2	1201.1	1397.7	1449.4	1501.0	1620.8	1740.5	1633.4
77.5°	196.6	218.0	340.3	462.5	689.4	915.0	1091.4	1267.9	1501.0	1734.2	1603.1
80°	66.8	71.8	89.5	105.9	226.9	347.8	552.0	754.9	1025.9	1296.9	1204.9
82.5°	32.8	34.0	42.9	50.4	76.9	103.3	208.0	311.3	502.9	693.2	709.6
85°	10.1	10.1	15.1	20.2	32.8	45.4	78.1	109.6	173.9	236.9	200.4
87.5°	2.5	2.5	3.8	5.0	7.6	10.1	10.1	10.1	7.6	5.0	6.3
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°	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5
2.5°	315.1	315.1	315.1	313.8	311.3	310.0	307.5	305.0	302.5	301.2	298.7
5°	277.3	293.7	308.8	310.0	310.0	306.3	302.5	298.7	294.9	291.1	287.3
7.5°	284.8	276.0	267.2	268.4	269.7	268.4	265.9	259.6	254.6	244.5	233.2
10°	228.1	221.8	214.3	216.8	219.3	225.6	231.9	226.9	219.3	200.4	180.2
12.5°	224.3	223.1	220.6	201.6	181.5	191.6	200.4	195.3	187.8	168.9	148.7
15°	191.6	192.8	192.8	211.7	230.6	238.2	244.5	238.2	229.4	204.2	177.7
17.5°	247.0	234.4	221.8	214.3	205.4	208.0	210.5	182.7	191.6	175.2	157.5
20°	255.8	214.3	172.7	206.7	240.7	252.1	263.4	257.1	245.8	205.4	163.8
22.5°	233.2	248.3	263.4	242.0	220.6	206.7	191.6	185.3	177.7	160.1	142.4
25°	288.6	247.0	204.2	244.5	283.6	286.1	288.6	277.3	264.7	214.3	163.8
27.5°	258.4	272.2	284.8	293.7	302.5	313.8	325.2	312.6	282.3	223.1	162.6
30°	307.5	326.4	345.3	374.3	403.3	412.1	419.7	405.8	381.9	282.3	181.5
32.5°	321.4	359.2	397.0	408.3	418.4	429.8	441.1	429.8	400.8	279.8	157.5
35°	359.2	385.7	410.9	428.5	446.1	456.2	466.3	458.8	419.7	276.0	132.3
37.5°	370.5	405.8	439.8	460.0	478.9	487.7	495.3	495.3	439.8	273.5	105.9
40°	388.2	432.3	476.4	495.3	512.9	526.8	539.4	544.5	462.5	272.2	80.7
42.5°	423.5	462.5	501.6	531.8	560.8	581.0	601.2	604.9	489.0	276.0	61.8
45°	461.3	502.9	544.5	584.8	625.1	654.1	681.8	679.3	520.5	286.1	50.4
47.5°	515.5	554.5	593.6	661.7	728.5	756.2	782.6	765.0	553.3	298.7	44.1
50°	570.9	618.8	666.7	753.7	839.4	864.6	888.5	852.0	584.8	313.8	41.6
52.5°	642.8	699.5	756.2	855.7	955.3	978.0	1000.7	926.3	608.7	323.9	39.1
55°	727.2	800.3	873.4	967.9	1061.2	1087.6	1114.1	999.4	620.1	328.9	37.8
57.5°	829.3	913.7	996.9	1083.9	1169.6	1206.1	1241.4	1071.3	625.1	330.2	35.3
60°	928.8	1022.1	1115.4	1189.7	1264.1	1320.8	1376.3	1141.8	622.6	327.7	31.5
62.5°	1020.8	1124.2	1226.3	1295.6	1364.9	1433.0	1501.0	1198.5	606.2	316.3	25.2
65°	1116.6	1226.3	1334.7	1395.2	1455.7	1543.9	1630.8	1247.7	583.5	301.2	17.6
67.5°	1203.6	1308.2	1412.8	1480.9	1548.9	1635.9	1721.6	1260.3	550.8	282.3	12.6
70°	1276.7	1390.1	1502.3	1571.6	1640.9	1685.0	1727.9	1204.9	485.2	247.0	8.8
72.5°	1377.5	1479.6	1580.4	1615.7	1649.7	1572.9	1494.7	1004.5	364.2	186.5	7.6
75°	1468.3	1517.4	1565.3	1489.7	1414.1	1207.4	1000.7	632.7	177.7	93.3	7.6
77.5°	1376.3	1349.8	1323.3	1091.4	858.3	637.7	415.9	248.3	55.5	30.2	5.0
80°	996.9	875.9	753.7	521.8	288.6	192.8	95.8	55.5	13.9	8.8	3.8
82.5°	536.9	414.6	291.1	187.8	84.4	56.7	27.7	18.9	6.3	5.0	2.5
85°	194.1	153.8	112.2	87.0	61.8	36.5	10.1	6.3	3.8	3.8	2.5
87.5°	17.6	20.2	22.7	17.6	11.3	7.6	2.5	2.5	2.5	2.5	1.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5	307.5
2.5°	297.4	296.2	294.9	292.4	291.1	289.9	281.0	272.2	262.1	252.1	252.1
5°	271.0	254.6	245.8	236.9	230.6	224.3	223.1	220.6	218.0	215.5	214.3
7.5°	226.9	220.6	215.5	210.5	204.2	197.9	191.6	185.3	180.2	175.2	163.8
10°	170.1	160.1	152.5	144.9	141.2	136.1	128.6	119.7	119.7	119.7	118.5
12.5°	147.5	146.2	127.3	107.1	100.8	94.5	93.3	92.0	89.5	85.7	80.7
15°	146.2	113.4	97.0	79.4	75.6	70.6	63.0	54.2	52.9	50.4	56.7
17.5°	132.3	107.1	88.2	69.3	55.5	41.6	44.1	45.4	51.7	56.7	60.5
20°	119.7	75.6	63.0	49.2	45.4	40.3	42.9	45.4	44.1	41.6	47.9
22.5°	112.2	80.7	59.2	37.8	40.3	42.9	40.3	36.5	42.9	49.2	52.9
25°	108.4	51.7	46.6	40.3	37.8	35.3	40.3	44.1	41.6	39.1	46.6
27.5°	107.1	51.7	44.1	35.3	37.8	40.3	39.1	36.5	41.6	45.4	44.1
30°	114.7	46.6	41.6	36.5	35.3	34.0	36.5	39.1	39.1	37.8	44.1
32.5°	102.1	46.6	41.6	35.3	35.3	34.0	34.0	34.0	37.8	41.6	44.1
35°	88.2	42.9	39.1	34.0	32.8	31.5	32.8	32.8	36.5	39.1	44.1
37.5°	73.1	40.3	36.5	31.5	30.2	29.0	29.0	27.7	31.5	35.3	39.1
40°	59.2	37.8	34.0	29.0	27.7	26.5	26.5	26.5	29.0	30.2	32.8
42.5°	49.2	35.3	31.5	26.5	25.2	23.9	23.9	22.7	23.9	25.2	26.5
45°	42.9	34.0	30.2	25.2	23.9	21.4	20.2	18.9	18.9	18.9	18.9
47.5°	37.8	31.5	29.0	25.2	22.7	18.9	17.6	15.1	13.9	12.6	11.3
50°	35.3	29.0	26.5	22.7	20.2	16.4	13.9	11.3	10.1	7.6	7.6
52.5°	32.8	26.5	23.9	20.2	16.4	12.6	10.1	6.3	6.3	5.0	5.0
55°	31.5	25.2	21.4	17.6	13.9	8.8	6.3	3.8	3.8	2.5	2.5
57.5°	30.2	23.9	20.2	15.1	10.1	5.0	3.8	2.5	2.5	2.5	2.5
60°	26.5	21.4	16.4	10.1	6.3	2.5	2.5	1.3	2.5	2.5	2.5
62.5°	21.4	16.4	11.3	6.3	3.8	1.3	1.3	1.3	2.5	2.5	2.5
65°	15.1	11.3	7.6	3.8	2.5	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	11.3	8.8	6.3	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3
70°	7.6	6.3	5.0	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	6.3	5.0	3.8	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3
75°	6.3	5.0	3.8	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3
77.5°	5.0	3.8	2.5	1.3	1.3	0.0	1.3	2.5	2.5	2.5	2.5
80°	3.8	2.5	2.5	1.3	1.3	0.0	1.3	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	1.3	1.3	0.0	2.5	3.8	3.8	2.5	2.5
85°	2.5	1.3	1.3	1.3	1.3	1.3	2.5	3.8	3.8	3.8	2.5
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	2.5	3.8	3.8	3.8	2.5
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°	307.5	307.5	307.5	307.5
2.5°	250.8	250.8	249.5	249.5
5°	211.7	211.7	210.5	210.5
7.5°	152.5	150.0	146.2	147.5
10°	117.2	114.7	112.2	114.7
12.5°	75.6	76.9	76.9	73.1
15°	61.8	66.8	70.6	70.6
17.5°	64.3	64.3	63.0	63.0
20°	54.2	59.2	64.3	64.3
22.5°	55.5	52.9	50.4	50.4
25°	52.9	56.7	59.2	59.2
27.5°	42.9	44.1	45.4	45.4
30°	49.2	51.7	52.9	52.9
32.5°	46.6	49.2	50.4	51.7
35°	47.9	50.4	51.7	51.7
37.5°	42.9	44.1	45.4	45.4
40°	34.0	35.3	36.5	36.5
42.5°	26.5	26.5	25.2	26.5
45°	17.6	17.6	16.4	17.6
47.5°	10.1	10.1	10.1	10.1
50°	6.3	6.3	6.3	6.3
52.5°	3.8	3.8	3.8	3.8
55°	2.5	2.5	2.5	2.5
57.5°	2.5	2.5	1.3	1.3
60°	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	0.0	0.0
65°	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	1.3	1.3	0.0	0.0
77.5°	1.3	1.3	0.0	0.0
80°	1.3	1.3	0.0	0.0
82.5°	1.3	1.3	0.0	0.0
85°	1.3	1.3	1.3	0.0
87.5°	1.3	1.3	1.3	0.0
90°	0.0	0.0	0.0	0.0

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