

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: P559840

Luminaire Tested: **SDL-PA1-100-730-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-730-U-T3-HSS
Description: Springdale
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6967.2 lumens
Efficiency: N/A
Efficacy: 74.3 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: B1 - U0 - G2

Input Watts (W): 93.8
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

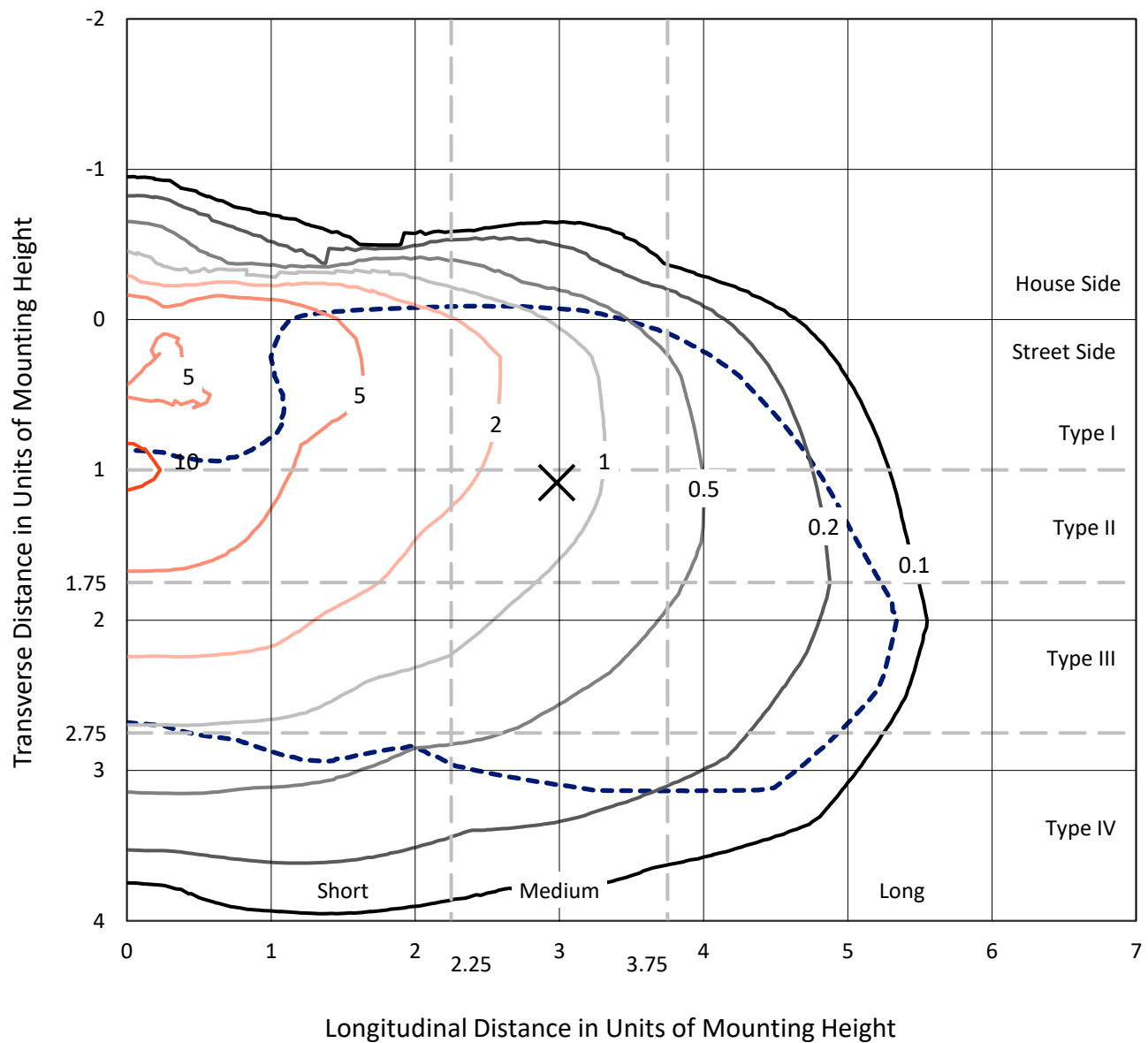


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

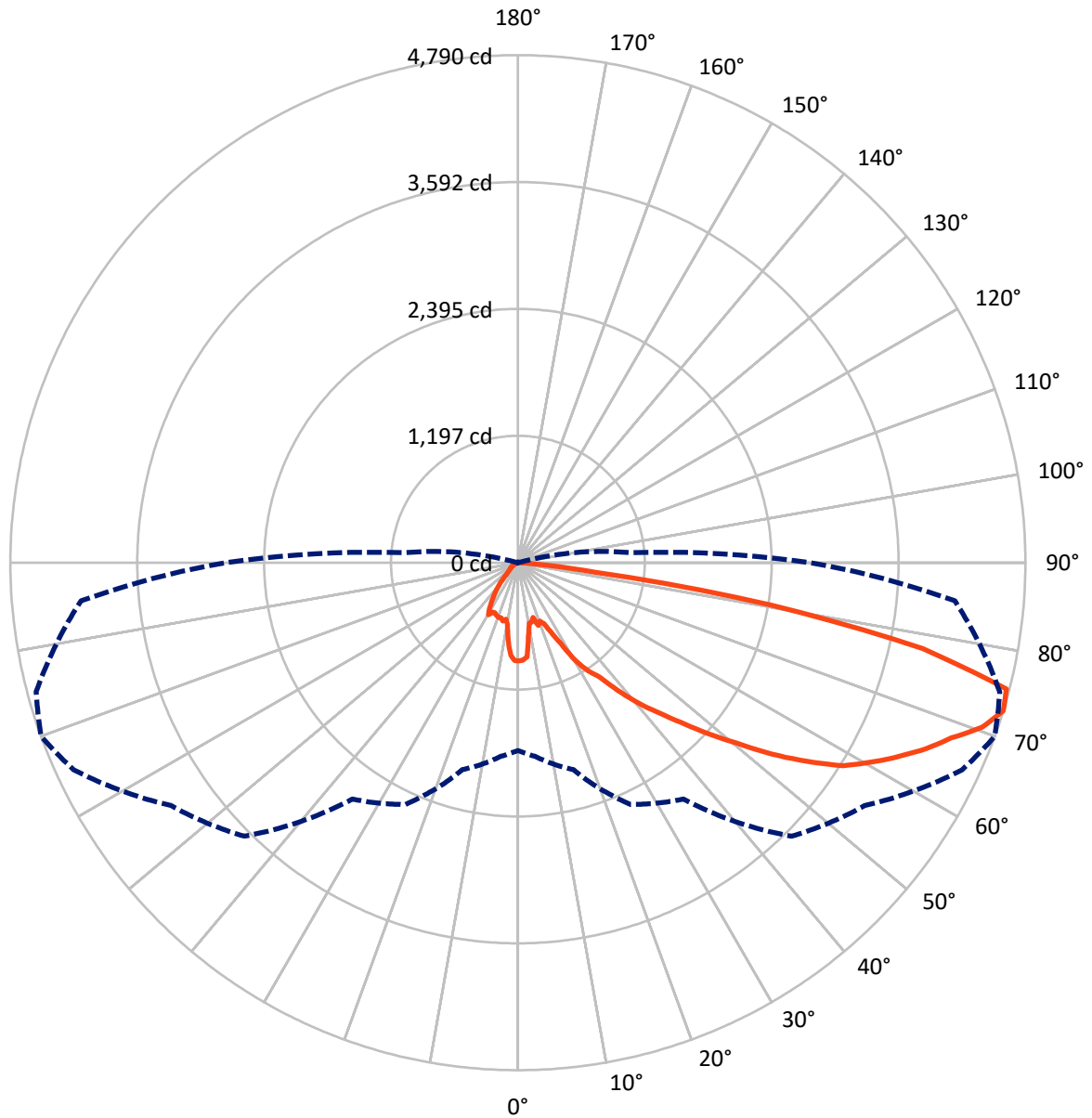


Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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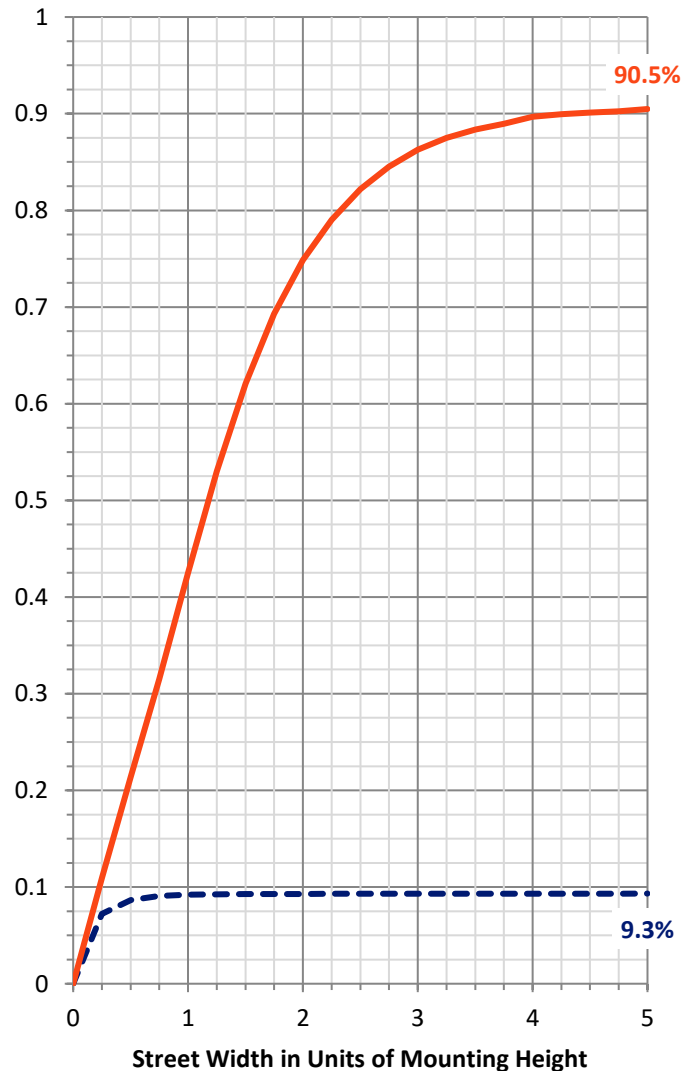
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	656.8	0.0	656.8
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	6310.4	0.0	6310.4
	% Fixture	90.6	0.0	90.6
Total	Lumens	6967.2	0.0	6967.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	1.0
10°-20°	142.6	2.0
20°-30°	232.5	3.3
30°-40°	496.0	7.1
40°-50°	955.7	13.7
50°-60°	1580.7	22.7
60°-70°	1934.8	27.8
70°-80°	1417.5	20.3
80°-90°	136.1	2.0
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°	6967.2	100.0
0°-180°	6967.2	100.0



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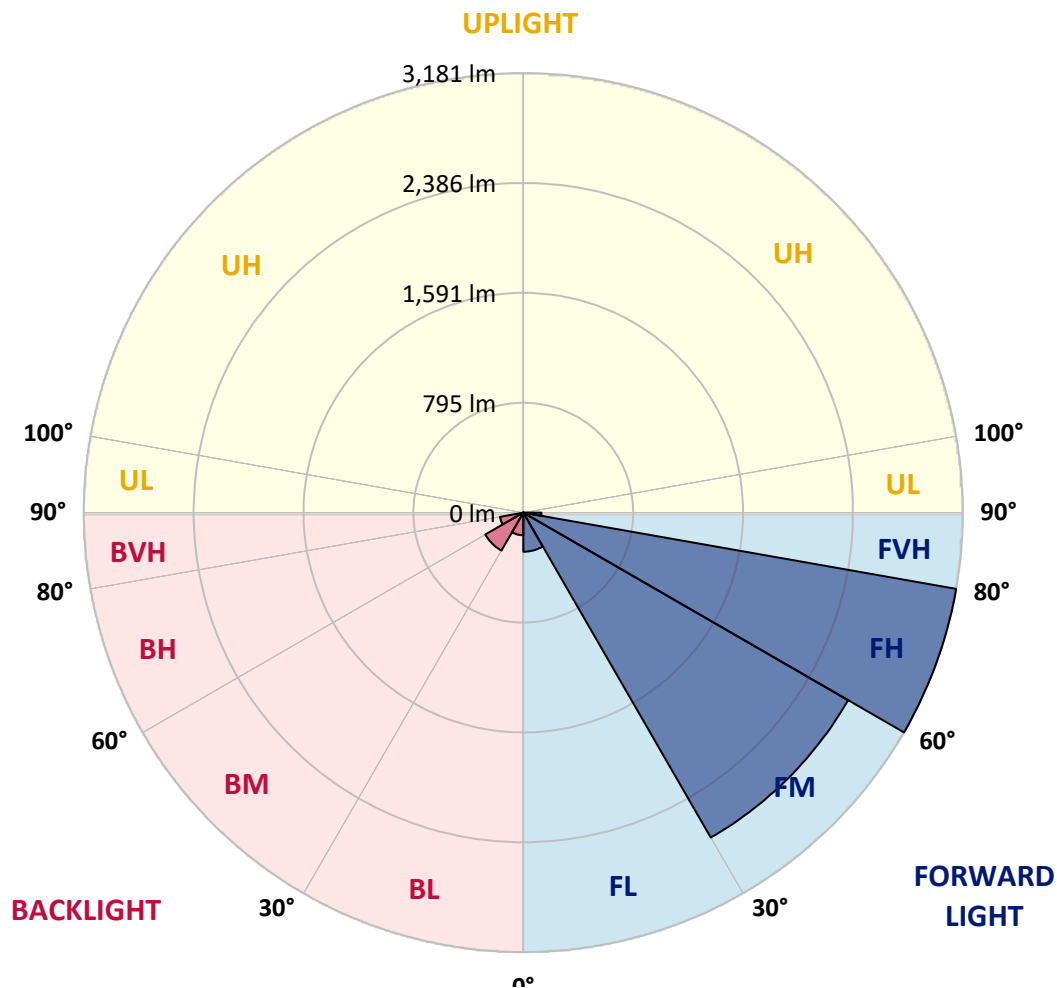
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	282.9	4.1			
FM	(30°-60°)	2715.0	39.0			
FH	(60°-80°)	3181.2	45.7			G2/5000
FVH	(80°-90°)	131.3	1.9			G2/225
BL	(0°-30°)	163.6	2.3	B1/500		
BM	(30°-60°)	317.4	4.6	B1/1000		
BH	(60°-80°)	171.0	2.5	B1/500		G1/500
BVH	(80°-90°)	4.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2
2.5°	824.5	848.5	862.2	875.9	872.4	869.0	875.9	882.7	896.4	906.7	913.5
5°	742.4	742.4	742.4	742.4	745.9	745.9	745.9	745.9	749.3	752.7	756.1
7.5°	643.2	656.9	663.7	670.6	687.7	701.4	715.1	728.7	735.6	739.0	742.4
10°	698.0	698.0	698.0	698.0	701.4	701.4	656.9	609.0	612.4	615.8	595.3
12.5°	578.2	574.8	612.4	646.6	670.6	691.1	667.2	639.8	598.7	554.3	547.4
15°	680.8	680.8	680.8	680.8	632.9	585.1	550.8	516.6	544.0	567.9	513.2
17.5°	537.2	550.8	591.9	632.9	632.9	632.9	602.2	571.4	513.2	451.6	516.6
20°	667.2	667.2	667.2	663.7	585.1	506.4	533.7	557.7	581.6	605.6	595.3
22.5°	554.3	547.4	557.7	567.9	591.9	612.4	544.0	472.1	550.8	626.1	588.5
25°	701.4	701.4	704.8	704.8	629.5	554.3	598.7	639.8	581.6	523.5	615.8
27.5°	632.9	612.4	609.0	602.2	626.1	646.6	615.8	585.1	650.1	715.1	684.3
30°	879.3	879.3	855.3	831.4	739.0	643.2	653.5	660.3	660.3	660.3	728.7
32.5°	1221.4	1224.8	1132.5	1036.7	954.6	869.0	793.8	715.1	756.1	797.2	841.7
35°	1645.7	1655.9	1590.9	1522.5	1320.6	1118.8	992.2	865.6	862.2	855.3	920.3
37.5°	1950.2	1970.7	1919.4	1868.1	1628.6	1389.1	1207.7	1026.4	1009.3	988.8	1012.7
40°	2237.6	2223.9	2193.1	2158.9	1905.7	1649.1	1450.7	1248.8	1204.3	1156.4	1159.8
42.5°	2610.5	2569.4	2490.7	2412.0	2169.1	1926.2	1714.1	1502.0	1430.1	1358.3	1344.6
45°	3092.9	3024.5	2911.6	2795.2	2555.7	2316.3	2056.2	1792.8	1703.8	1611.5	1590.9
47.5°	3339.2	3291.3	3219.5	3144.2	2897.9	2651.5	2401.8	2148.6	2025.4	1898.8	1864.6
50°	3630.0	3568.5	3520.6	3469.2	3257.1	3041.6	2808.9	2572.9	2408.6	2244.4	2186.2
52.5°	3907.2	3804.5	3760.1	3712.2	3544.5	3373.4	3130.5	2887.6	2781.6	2672.1	2531.8
55°	4006.4	3907.2	3886.6	3866.1	3746.4	3626.6	3404.2	3181.9	3058.7	2932.1	2819.2
57.5°	3790.9	3804.5	3866.1	3927.7	3859.3	3790.9	3609.5	3424.8	3287.9	3151.1	3086.1
60°	3643.7	3674.5	3766.9	3859.3	3859.3	3859.3	3760.1	3660.8	3530.8	3400.8	3356.3
62.5°	3407.7	3445.3	3585.6	3725.8	3814.8	3903.8	3797.7	3691.6	3647.2	3599.3	3558.2
65°	3096.3	3106.6	3264.0	3421.3	3606.1	3787.4	3688.2	3585.6	3671.1	3756.6	3715.6
67.5°	2737.1	2754.2	2901.3	3045.0	3264.0	3482.9	3455.6	3424.8	3612.9	3801.1	3797.7
70°	2309.4	2340.2	2466.8	2590.0	2836.3	3079.2	3106.6	3134.0	3459.0	3780.6	3842.2
72.5°	1772.3	1833.8	1929.6	2022.0	2271.8	2518.1	2620.8	2723.4	3188.7	3650.6	3825.1
75°	588.5	629.5	896.4	1159.8	1413.0	1666.2	1892.0	2114.4	2696.0	3274.2	3636.9
77.5°	171.1	177.9	229.2	277.1	475.6	670.6	903.2	1132.5	1700.4	2264.9	2867.1
80°	89.0	92.4	102.6	112.9	164.2	215.5	311.3	403.7	663.7	923.8	1556.7
82.5°	61.6	61.6	71.8	78.7	99.2	119.7	171.1	222.4	242.9	263.4	626.1
85°	20.5	20.5	27.4	34.2	47.9	61.6	92.4	119.7	119.7	116.3	167.6
87.5°	3.4	3.4	6.8	10.3	17.1	20.5	17.1	13.7	10.3	6.8	13.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2
2.5°	916.9	920.3	920.3	920.3	923.8	923.8	923.8	923.8	920.3	923.8	923.8
5°	756.1	817.7	875.9	893.0	903.2	906.7	906.7	906.7	903.2	903.2	903.2
7.5°	745.9	742.4	739.0	711.6	776.6	790.3	800.6	797.2	797.2	780.1	759.5
10°	574.8	574.8	574.8	581.6	619.3	663.7	708.2	708.2	708.2	656.9	605.6
12.5°	537.2	557.7	574.8	574.8	513.2	564.5	615.8	615.8	615.8	564.5	509.8
15°	458.5	482.4	502.9	537.2	639.8	701.4	763.0	763.0	759.5	701.4	639.8
17.5°	578.2	571.4	561.1	622.7	585.1	595.3	605.6	574.8	619.3	602.2	585.1
20°	585.1	523.5	458.5	588.5	721.9	780.1	838.2	841.7	831.4	766.4	698.0
22.5°	550.8	629.5	704.8	622.7	643.2	629.5	612.4	605.6	605.6	602.2	598.7
25°	704.8	629.5	554.3	728.7	851.9	893.0	934.0	923.8	910.1	817.7	725.3
27.5°	650.1	725.3	797.2	865.6	927.2	964.8	1002.5	1108.5	964.8	858.8	749.3
30°	793.8	886.1	975.1	1074.3	1262.5	1317.2	1372.0	1344.6	1310.4	1105.1	899.8
32.5°	882.7	1029.8	1173.5	1218.0	1330.9	1382.2	1430.1	1406.2	1365.1	1094.8	824.5
35°	981.9	1118.8	1252.2	1324.1	1460.9	1502.0	1539.6	1502.0	1457.5	1084.6	711.6
37.5°	1036.7	1221.4	1402.8	1525.9	1642.2	1652.5	1659.4	1625.1	1567.0	1084.6	602.2
40°	1163.3	1361.7	1556.7	1734.6	1827.0	1830.4	1833.8	1779.1	1673.0	1074.3	472.1
42.5°	1330.9	1532.8	1731.2	1926.2	2049.4	2039.1	2025.4	1950.2	1775.7	1057.2	338.7
45°	1570.4	1748.3	1926.2	2145.2	2295.7	2268.4	2237.6	2124.7	1847.5	1040.1	229.2
47.5°	1827.0	1967.3	2104.1	2405.2	2596.8	2538.6	2477.1	2312.8	1898.8	1033.2	164.2
50°	2124.7	2237.6	2350.5	2678.9	2908.1	2798.7	2689.2	2501.0	1919.4	1026.4	130.0
52.5°	2388.1	2504.4	2617.3	3000.5	3175.0	3051.8	2928.7	2648.1	1909.1	1012.7	112.9
55°	2702.9	2805.5	2908.1	3308.4	3448.7	3284.5	3116.8	2754.2	1857.8	981.9	102.6
57.5°	3017.6	3123.7	3226.3	3616.4	3657.4	3496.6	3332.4	2856.8	1806.5	951.1	92.4
60°	3311.9	3431.6	3551.4	3825.1	3855.9	3712.2	3568.5	2956.0	1724.4	903.2	82.1
62.5°	3517.1	3681.4	3845.6	4030.3	4044.0	3914.0	3780.6	3031.3	1618.3	848.5	75.3
65°	3671.1	3896.9	4119.3	4232.2	4225.4	4133.0	4040.6	3096.3	1532.8	797.2	61.6
67.5°	3790.9	4064.6	4338.3	4413.5	4430.6	4345.1	4259.6	3106.6	1426.7	739.0	47.9
70°	3903.8	4204.8	4505.9	4649.6	4615.4	4482.0	4348.5	3027.9	1283.0	660.3	34.2
72.5°	3996.1	4310.9	4625.7	4789.9	4707.8	4423.8	4139.8	2761.0	1074.3	550.8	23.9
75°	3996.1	4310.9	4622.2	4762.5	4482.0	3917.4	3349.5	2056.2	629.5	325.0	20.5
77.5°	3469.2	3698.5	3927.7	3907.2	3414.5	2713.1	2008.3	1183.8	212.1	116.3	17.1
80°	2189.7	2340.2	2490.7	2415.5	1744.9	1252.2	756.1	396.9	75.3	44.5	13.7
82.5°	988.8	971.7	954.6	735.6	342.1	229.2	112.9	68.4	20.5	13.7	6.8
85°	219.0	212.1	205.3	150.5	102.6	68.4	34.2	20.5	10.3	10.3	6.8
87.5°	20.5	23.9	23.9	17.1	17.1	13.7	6.8	6.8	6.8	6.8	6.8
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°	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2
2.5°	923.8	923.8	923.8	920.3	920.3	920.3	896.4	869.0	851.9	831.4	821.1
5°	872.4	841.7	804.0	766.4	759.5	749.3	752.7	752.7	756.1	756.1	756.1
7.5°	742.4	725.3	732.2	739.0	739.0	739.0	739.0	735.6	732.2	728.7	694.5
10°	591.9	578.2	578.2	578.2	588.5	595.3	578.2	557.7	588.5	615.8	609.0
12.5°	544.0	578.2	533.7	485.8	492.7	496.1	496.1	492.7	479.0	465.3	417.4
15°	567.9	496.1	455.0	410.6	410.6	410.6	331.9	253.2	236.1	219.0	222.4
17.5°	544.0	502.9	455.0	403.7	304.5	201.9	191.6	177.9	177.9	177.9	181.3
20°	547.4	396.9	335.3	273.7	219.0	160.8	150.5	136.9	130.0	119.7	140.3
22.5°	537.2	472.1	321.6	171.1	150.5	130.0	119.7	106.1	123.2	140.3	140.3
25°	520.0	311.3	232.7	150.5	126.6	102.6	116.3	126.6	119.7	109.5	126.6
27.5°	523.5	294.2	201.9	109.5	116.3	119.7	112.9	102.6	112.9	119.7	112.9
30°	564.5	229.2	171.1	109.5	106.1	99.2	102.6	106.1	102.6	95.8	102.6
32.5°	502.9	181.3	143.7	102.6	99.2	95.8	92.4	89.0	92.4	92.4	92.4
35°	424.2	136.9	116.3	95.8	89.0	82.1	82.1	78.7	78.7	78.7	78.7
37.5°	359.2	116.3	102.6	85.5	78.7	71.8	68.4	61.6	61.6	58.2	58.2
40°	290.8	106.1	92.4	75.3	68.4	58.2	54.7	47.9	47.9	44.5	44.5
42.5°	219.0	95.8	82.1	65.0	58.2	47.9	41.1	34.2	34.2	30.8	30.8
45°	157.4	85.5	71.8	54.7	47.9	37.6	30.8	23.9	23.9	20.5	20.5
47.5°	123.2	78.7	65.0	47.9	37.6	27.4	23.9	17.1	17.1	17.1	17.1
50°	99.2	68.4	54.7	37.6	27.4	17.1	13.7	10.3	10.3	10.3	10.3
52.5°	89.0	61.6	47.9	30.8	23.9	13.7	10.3	6.8	10.3	10.3	10.3
55°	78.7	54.7	41.1	23.9	17.1	10.3	10.3	6.8	10.3	10.3	10.3
57.5°	71.8	47.9	34.2	17.1	13.7	6.8	6.8	3.4	6.8	6.8	6.8
60°	61.6	41.1	27.4	13.7	10.3	3.4	3.4	3.4	6.8	6.8	6.8
62.5°	54.7	34.2	23.9	10.3	6.8	3.4	3.4	3.4	6.8	6.8	6.8
65°	44.5	23.9	17.1	6.8	6.8	3.4	3.4	3.4	6.8	6.8	6.8
67.5°	34.2	17.1	13.7	6.8	6.8	3.4	3.4	3.4	6.8	6.8	3.4
70°	23.9	13.7	10.3	3.4	3.4	3.4	3.4	3.4	6.8	6.8	3.4
72.5°	17.1	10.3	6.8	3.4	3.4	0.0	3.4	3.4	6.8	6.8	6.8
75°	17.1	10.3	6.8	3.4	3.4	0.0	3.4	6.8	6.8	6.8	6.8
77.5°	13.7	6.8	6.8	3.4	3.4	0.0	3.4	6.8	6.8	6.8	6.8
80°	10.3	6.8	6.8	3.4	3.4	0.0	6.8	10.3	10.3	10.3	6.8
82.5°	6.8	6.8	6.8	3.4	3.4	0.0	6.8	10.3	10.3	10.3	6.8
85°	6.8	6.8	6.8	6.8	3.4	0.0	6.8	10.3	10.3	10.3	10.3
87.5°	6.8	6.8	6.8	6.8	6.8	3.4	10.3	13.7	13.7	10.3	10.3
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):

	165°	170°	175°	180°
0°	927.2	927.2	927.2	927.2
2.5°	807.4	807.4	804.0	814.3
5°	756.1	756.1	756.1	759.5
7.5°	656.9	632.9	609.0	612.4
10°	598.7	591.9	581.6	588.5
12.5°	369.5	349.0	325.0	314.8
15°	225.8	225.8	225.8	222.4
17.5°	184.8	171.1	154.0	157.4
20°	160.8	164.2	167.6	167.6
22.5°	140.3	133.4	126.6	126.6
25°	140.3	140.3	140.3	140.3
27.5°	106.1	106.1	102.6	102.6
30°	109.5	109.5	106.1	102.6
32.5°	89.0	89.0	89.0	89.0
35°	75.3	71.8	68.4	68.4
37.5°	58.2	54.7	51.3	51.3
40°	41.1	41.1	37.6	37.6
42.5°	30.8	30.8	27.4	27.4
45°	20.5	20.5	20.5	20.5
47.5°	13.7	13.7	13.7	13.7
50°	10.3	10.3	10.3	10.3
52.5°	10.3	10.3	6.8	6.8
55°	6.8	6.8	6.8	6.8
57.5°	6.8	6.8	6.8	6.8
60°	6.8	6.8	3.4	3.4
62.5°	3.4	3.4	3.4	3.4
65°	3.4	3.4	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°	3.4	3.4	0.0	0.0
75°	3.4	3.4	0.0	0.0
77.5°	3.4	3.4	0.0	0.0
80°	3.4	3.4	0.0	0.0
82.5°	3.4	3.4	3.4	0.0
85°	6.8	6.8	3.4	0.0
87.5°	6.8	6.8	3.4	0.0
90°	0.0	0.0	0.0	0.0



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