Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P560738

Luminaire Tested: **SDL-PA1-60-740-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560738
	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-PA1-60-740-U-T2U-HSS
Description:	Springdale
	(1) 70 CRI, 4000K, 800mA 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:	5415.6 lumens
Efficiency:	N/A
Efficacy:	86.8 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:	B1 - U0 - G1

Input Watts (W):	62.4
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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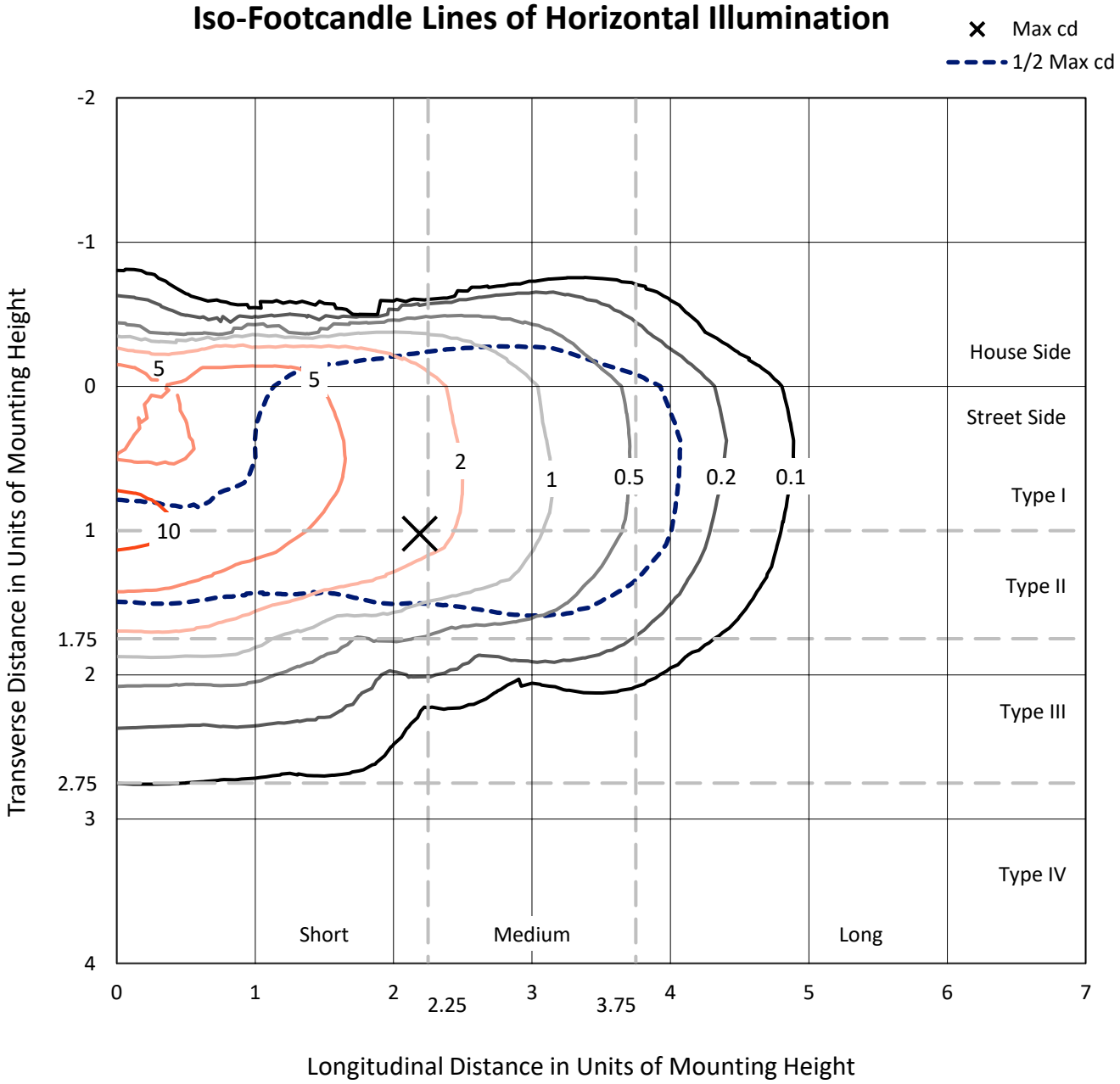
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 12 fc
Type II - Short - N/A

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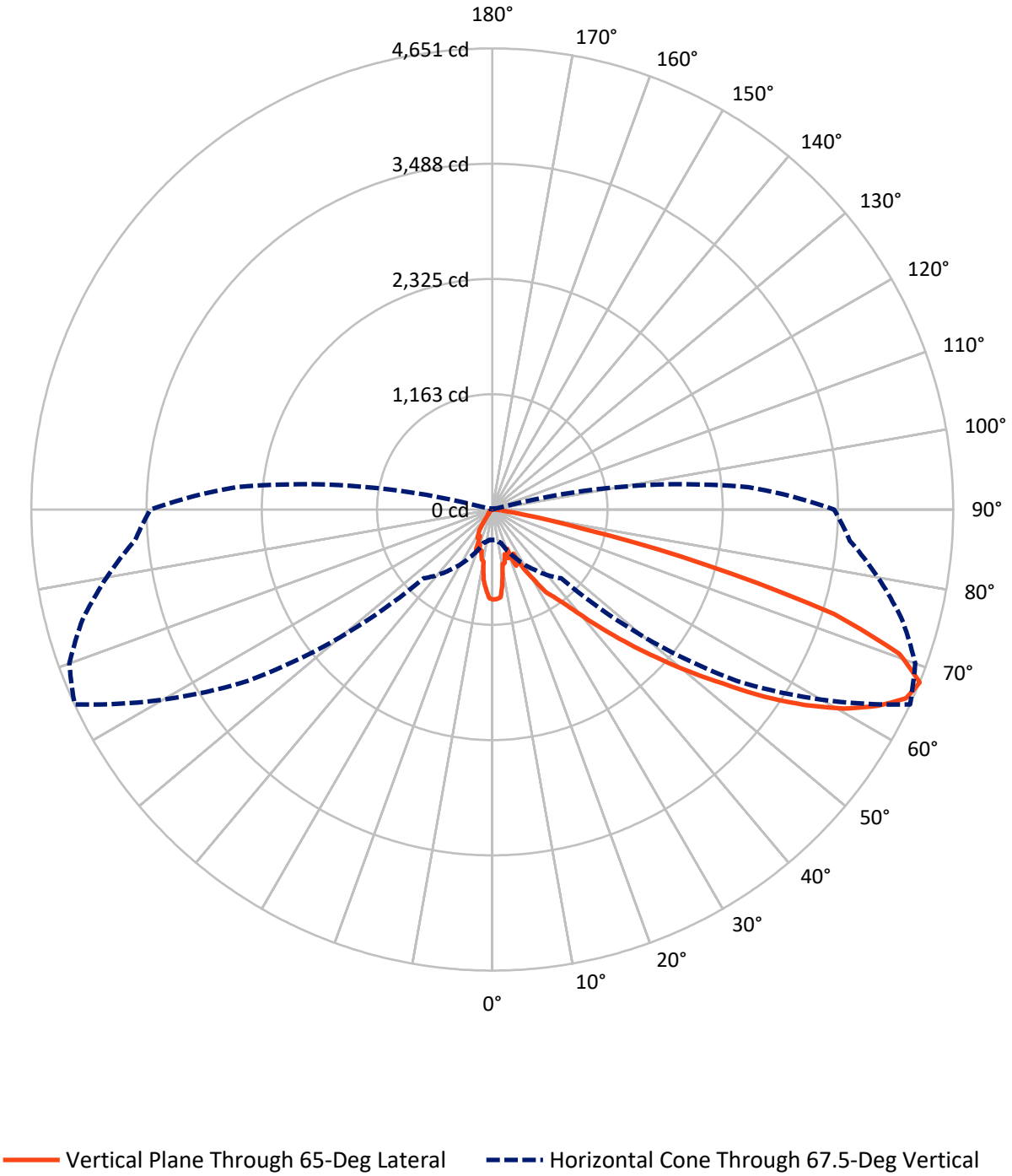
Luminous Intensity Polar Plot



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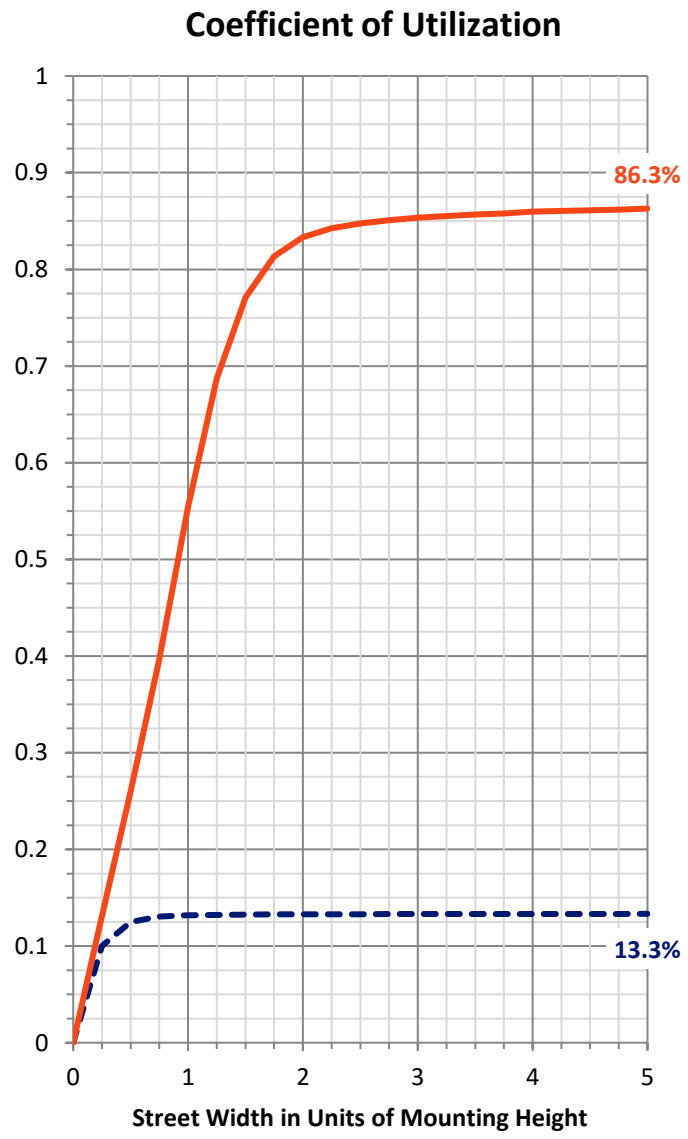
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	732.3	0.0	732.3
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	4683.3	0.0	4683.3
	% Fixture	86.5	0.0	86.5
Total	Lumens	5415.6	0.0	5415.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	1.3
10°-20°	134.6	2.5
20°-30°	203.3	3.8
30°-40°	468.2	8.6
40°-50°	1027.1	19.0
50°-60°	1507.8	27.8
60°-70°	1309.6	24.2
70°-80°	649.4	12.0
80°-90°	46.1	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°	5415.6	100.0
0°-180°	5415.6	100.0



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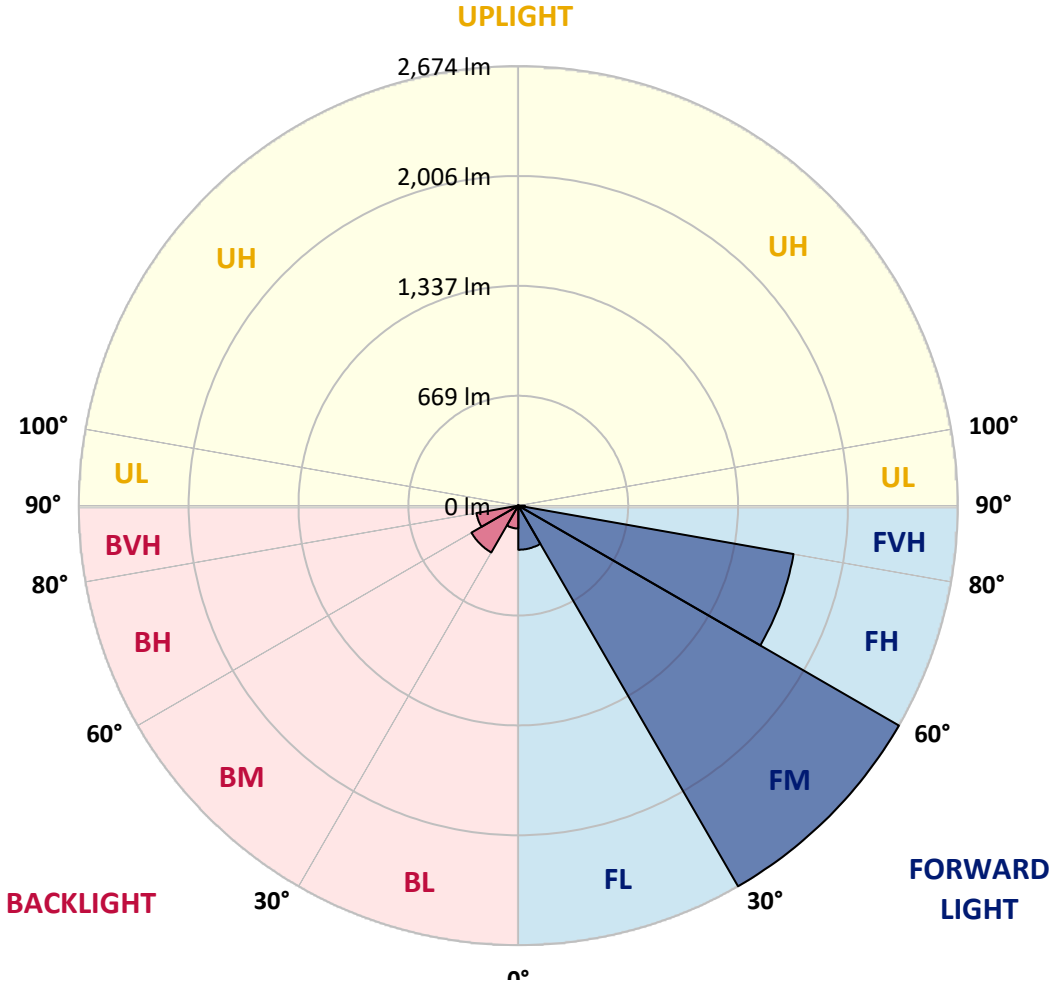
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	268.4	5.0			
FM	(30°-60°)	2674.1	49.4			
FH	(60°-80°)	1700.3	31.4			G1/1800
FVH	(80°-90°)	40.6	0.7			G1/100
BL	(0°-30°)	139.1	2.6	B1/500		
BM	(30°-60°)	328.9	6.1	B1/1000		
BH	(60°-80°)	258.7	4.8	B1/500		G1/500
BVH	(80°-90°)	5.6	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-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7
2.5°	759.2	822.0	841.1	860.3	876.7	893.0	895.8	898.5	904.0	906.7	909.4
5°	742.8	745.6	745.6	742.8	745.6	748.3	748.3	748.3	748.3	748.3	751.0
7.5°	595.4	666.4	688.2	707.3	718.3	726.4	731.9	734.6	737.4	740.1	742.8
10°	718.3	715.5	718.3	718.3	721.0	721.0	658.2	595.4	617.2	636.3	603.6
12.5°	570.8	628.1	652.7	677.3	693.7	707.3	680.0	650.0	592.6	532.5	535.3
15°	688.2	688.2	688.2	688.2	636.3	581.7	546.2	508.0	538.0	565.3	510.7
17.5°	554.4	554.4	603.6	652.7	652.7	650.0	614.5	576.2	499.8	423.3	491.6
20°	685.5	685.5	688.2	690.9	600.8	510.7	540.7	568.0	579.0	589.9	565.3
22.5°	559.9	559.9	568.0	573.5	606.3	639.1	551.7	464.3	535.3	606.3	557.1
25°	723.7	726.4	731.9	734.6	652.7	568.0	606.3	644.5	568.0	491.6	568.0
27.5°	655.4	644.5	644.5	641.8	669.1	693.7	639.1	584.4	633.6	682.8	625.4
30°	920.3	912.2	901.2	890.3	786.5	682.8	685.5	685.5	666.4	647.2	680.0
32.5°	1275.4	1261.7	1168.9	1076.0	999.5	923.1	843.9	764.7	792.0	816.6	800.2
35°	1712.3	1712.3	1624.9	1537.6	1365.5	1193.4	1059.6	923.1	912.2	901.2	917.6
37.5°	2231.2	2176.6	2072.8	1969.1	1756.0	1540.3	1335.5	1130.6	1106.1	1078.7	1051.4
40°	2616.3	2608.1	2528.9	2449.7	2187.5	1925.4	1685.0	1442.0	1362.8	1280.8	1220.8
42.5°	3017.8	2987.7	2924.9	2859.4	2594.5	2326.8	2070.1	1810.7	1701.4	1592.2	1485.7
45°	3307.2	3299.0	3244.4	3189.8	2974.1	2755.6	2487.9	2217.6	2146.6	2075.6	1876.2
47.5°	3487.5	3441.1	3419.2	3394.6	3208.9	3023.2	2796.5	2567.1	2556.2	2542.6	2291.3
50°	3432.9	3391.9	3397.4	3402.8	3312.7	3222.6	3050.5	2875.7	2905.8	2935.8	2728.3
52.5°	3143.4	3107.9	3157.0	3203.5	3200.7	3198.0	3135.2	3069.6	3178.9	3285.4	3143.4
55°	2564.4	2589.0	2687.3	2785.6	2851.2	2914.0	3004.1	3091.5	3299.0	3503.9	3476.6
57.5°	2010.0	2064.6	2165.7	2264.0	2370.5	2474.3	2665.5	2856.6	3206.2	3553.0	3673.2
60°	1349.1	1384.6	1562.1	1736.9	1835.2	1933.5	2141.1	2345.9	2821.1	3293.6	3607.7
62.5°	838.4	857.5	958.6	1059.6	1259.0	1458.4	1562.1	1663.2	2176.6	2687.3	3269.0
65°	516.2	510.7	551.7	589.9	786.5	980.4	1048.7	1114.2	1455.6	1794.3	2698.2
67.5°	*308.6*	*305.9*	*327.7*	*349.6*	*439.7*	*529.8*	*636.3*	*742.8*	*863.0*	*980.4*	*1999.1*
70°	251.3	256.7	264.9	273.1	297.7	322.3	420.6	518.9	516.2	513.4	1201.6
72.5°	210.3	215.7	232.1	245.8	264.9	281.3	338.6	393.3	368.7	344.1	573.5
75°	155.7	158.4	180.2	199.4	229.4	256.7	270.4	281.3	270.4	259.4	289.5
77.5°	103.8	103.8	122.9	142.0	172.1	202.1	218.5	234.9	215.7	196.6	204.8
80°	65.5	65.5	76.5	84.7	114.7	144.7	163.9	183.0	166.6	147.5	144.7
82.5°	38.2	41.0	46.4	51.9	71.0	90.1	103.8	117.4	136.6	152.9	122.9
85°	16.4	19.1	24.6	27.3	38.2	46.4	54.6	62.8	79.2	95.6	79.2
87.5°	2.7	2.7	5.5	8.2	10.9	13.7	13.7	13.7	13.7	10.9	13.7
90°	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	906.7	906.7	*906.7*	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7
2.5°	909.4	906.7	*904.0*	904.0	904.0	901.2	898.5	898.5	898.5	895.8	893.0
5°	751.0	819.3	*887.6*	890.3	895.8	893.0	890.3	887.6	884.8	882.1	876.7
7.5°	742.8	737.4	*731.9*	712.8	778.3	778.3	775.6	775.6	770.1	748.3	726.4
10°	568.0	565.3	*559.9*	568.0	581.7	628.1	671.8	669.1	660.9	609.0	557.1
12.5°	538.0	546.2	*554.4*	527.1	475.2	518.9	562.6	557.1	551.7	505.2	456.1
15°	456.1	461.5	*467.0*	510.7	589.9	630.9	669.1	663.6	658.2	603.6	546.2
17.5°	559.9	538.0	*516.2*	546.2	518.9	538.0	557.1	535.3	518.9	497.0	475.2
20°	538.0	480.7	*423.3*	510.7	611.7	644.5	677.3	669.1	652.7	600.8	546.2
22.5°	505.2	562.6	*617.2*	589.9	540.7	510.7	480.7	467.0	456.1	458.8	461.5
25°	641.8	568.0	*491.6*	622.7	701.9	712.8	721.0	696.4	669.1	611.7	551.7
27.5°	565.3	619.9	*671.8*	723.7	751.0	759.2	764.7	800.2	742.8	666.4	589.9
30°	712.8	759.2	*805.6*	920.3	1013.2	1029.6	1046.0	1005.0	958.6	865.7	772.9
32.5°	783.8	890.3	*994.1*	1048.7	1086.9	1100.6	1114.2	1059.6	1007.7	887.6	764.7
35°	931.3	1010.5	*1089.7*	1152.5	1226.2	1229.0	1231.7	1171.6	1106.1	931.3	756.5
37.5°	1021.4	1125.2	*1226.2*	1297.2	1411.9	1403.7	1395.5	1324.5	1245.3	999.5	753.8
40°	1157.9	1291.8	*1422.9*	1491.1	1630.4	1605.8	1581.2	1499.3	1411.9	1073.3	734.6
42.5°	1379.2	1521.2	*1663.2*	1720.5	1873.5	1846.2	1816.1	1706.9	1594.9	1133.4	671.8
45°	1674.1	1802.5	*1930.8*	2031.9	2152.0	2108.3	2064.6	1947.2	1783.3	1185.3	587.2
47.5°	2037.3	2132.9	*2228.5*	2427.9	2515.3	2427.9	2337.7	2195.7	1988.2	1229.0	469.7
50°	2520.7	2542.6	*2561.7*	2810.2	2897.6	2763.8	2630.0	2447.0	2198.5	1278.1	355.0
52.5°	2998.6	2957.7	*2914.0*	3181.6	3214.4	3036.9	2856.6	2665.5	2354.1	1305.4	254.0
55°	3449.3	3391.9	*3331.8*	3523.0	3501.1	3266.3	3031.4	2799.3	2449.7	1313.6	177.5
57.5°	3793.4	3757.9	*3719.6*	3807.0	3725.1	3449.3	3173.4	2941.3	2520.7	1327.3	131.1
60°	3919.0	3998.2	*4077.4*	4066.5	3916.3	3624.0	3331.8	3086.0	2564.4	1332.7	98.3
62.5°	3850.7	4107.4	*4361.4*	4257.6	4074.7	3766.1	3454.7	3217.1	2583.5	1330.0	76.5
65°	3602.2	4096.5	*4588.1*	4416.0	4186.6	3878.0	3569.4	3356.4	2605.4	1332.7	60.1
67.5°	*3015.0*	*3834.3*	*4650.9*	*4541.7*	*4279.5*	*3951.8*	*3621.3*	*3449.3*	*2594.5*	*1321.8*	*49.2*
70°	1887.1	3121.5	*4355.9*	4440.6	4279.5	3919.0	3558.5	3421.9	2496.1	1267.2	38.2
72.5°	800.2	2203.9	*3607.7*	3976.3	4088.3	3738.7	3389.2	3219.9	2285.8	1157.9	30.0
75°	316.8	1267.2	*2217.6*	2802.0	3146.1	2998.6	2848.4	2621.8	1499.3	761.9	21.8
77.5°	213.0	579.0	*944.9*	1376.4	1641.3	1698.7	1756.0	1496.6	598.1	308.6	16.4
80°	142.0	232.1	*322.3*	494.3	589.9	557.1	521.6	428.8	183.0	98.3	13.7
82.5°	90.1	120.2	*150.2*	169.3	174.8	125.6	76.5	62.8	21.8	16.4	8.2
85°	60.1	71.0	*81.9*	84.7	84.7	60.1	32.8	16.4	8.2	8.2	5.5
87.5°	16.4	19.1	*19.1*	19.1	13.7	10.9	8.2	5.5	5.5	5.5	5.5
90°	8.2	10.9	*10.9*	10.9	8.2	8.2	5.5	5.5	5.5	5.5	5.5

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7
2.5°	893.0	893.0	890.3	887.6	887.6	884.8	857.5	827.5	800.2	770.1	767.4
5°	841.1	802.9	767.4	731.9	726.4	718.3	718.3	715.5	715.5	712.8	712.8
7.5°	721.0	715.5	710.1	704.6	701.9	696.4	693.7	688.2	685.5	680.0	650.0
10°	546.2	532.5	532.5	529.8	535.3	540.7	538.0	532.5	568.0	603.6	600.8
12.5°	486.1	513.4	488.8	461.5	469.7	475.2	483.4	491.6	488.8	483.4	442.4
15°	488.8	428.8	409.7	387.8	398.7	406.9	335.9	262.2	248.5	234.9	218.5
17.5°	456.1	437.0	423.3	406.9	311.3	213.0	191.2	169.3	150.2	128.4	125.6
20°	461.5	374.1	349.6	322.3	248.5	174.8	133.8	92.9	81.9	71.0	81.9
22.5°	450.6	437.0	319.5	202.1	150.2	98.3	81.9	62.8	68.3	73.7	73.7
25°	423.3	294.9	229.4	163.9	114.7	62.8	65.5	65.5	60.1	51.9	57.4
27.5°	458.8	325.0	207.6	87.4	76.5	62.8	57.4	49.2	49.2	49.2	46.4
30°	529.8	284.0	177.5	71.0	60.1	49.2	46.4	43.7	41.0	35.5	38.2
32.5°	502.5	240.3	150.2	60.1	51.9	43.7	38.2	32.8	32.8	32.8	32.8
35°	456.1	152.9	103.8	51.9	43.7	35.5	32.8	27.3	27.3	27.3	27.3
37.5°	426.0	98.3	71.0	41.0	35.5	30.0	27.3	21.8	21.8	21.8	24.6
40°	401.5	68.3	51.9	35.5	30.0	21.8	19.1	16.4	19.1	19.1	19.1
42.5°	366.0	57.4	43.7	30.0	24.6	19.1	16.4	13.7	16.4	16.4	16.4
45°	319.5	51.9	38.2	24.6	21.8	16.4	13.7	10.9	13.7	13.7	13.7
47.5°	256.7	43.7	32.8	21.8	19.1	13.7	13.7	10.9	10.9	10.9	10.9
50°	199.4	41.0	30.0	19.1	16.4	10.9	10.9	8.2	10.9	10.9	10.9
52.5°	144.7	35.5	27.3	16.4	13.7	8.2	8.2	8.2	8.2	8.2	8.2
55°	103.8	30.0	21.8	13.7	10.9	8.2	8.2	5.5	8.2	8.2	8.2
57.5°	79.2	27.3	19.1	10.9	8.2	5.5	5.5	5.5	5.5	5.5	5.5
60°	62.8	24.6	19.1	10.9	8.2	5.5	5.5	2.7	5.5	5.5	5.5
62.5°	49.2	19.1	16.4	10.9	8.2	5.5	5.5	2.7	5.5	5.5	5.5
65°	38.2	16.4	13.7	8.2	5.5	2.7	2.7	2.7	5.5	5.5	5.5
67.5°	*32.8*	*13.7*	*10.9*	*8.2*	*5.5*	*2.7*	*5.5*	*5.5*	*5.5*	*5.5*	*5.5*
70°	27.3	13.7	10.9	8.2	5.5	2.7	5.5	5.5	8.2	8.2	5.5
72.5°	21.8	10.9	8.2	5.5	5.5	2.7	5.5	5.5	8.2	8.2	5.5
75°	16.4	8.2	8.2	5.5	5.5	2.7	5.5	8.2	8.2	8.2	5.5
77.5°	13.7	8.2	8.2	5.5	5.5	2.7	5.5	8.2	8.2	8.2	8.2
80°	10.9	5.5	5.5	5.5	2.7	0.0	5.5	10.9	10.9	8.2	8.2
82.5°	8.2	5.5	5.5	5.5	2.7	0.0	5.5	10.9	10.9	8.2	8.2
85°	5.5	5.5	5.5	5.5	5.5	2.7	8.2	10.9	10.9	8.2	8.2
87.5°	5.5	5.5	5.5	5.5	5.5	2.7	5.5	8.2	8.2	8.2	8.2
90°	5.5	5.5	8.2	8.2	5.5	2.7	5.5	8.2	8.2	8.2	8.2

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	906.7	906.7	906.7	906.7
2.5°	761.9	767.4	770.1	764.7
5°	710.1	710.1	707.3	715.5
7.5°	617.2	600.8	581.7	568.0
10°	595.4	581.7	568.0	570.8
12.5°	398.7	357.8	316.8	330.5
15°	202.1	191.2	180.2	180.2
17.5°	120.2	109.2	95.6	98.3
20°	90.1	90.1	90.1	90.1
22.5°	71.0	68.3	62.8	60.1
25°	60.1	60.1	60.1	60.1
27.5°	43.7	43.7	41.0	38.2
30°	38.2	38.2	38.2	35.5
32.5°	30.0	32.8	32.8	32.8
35°	27.3	27.3	27.3	27.3
37.5°	24.6	24.6	21.8	21.8
40°	19.1	19.1	19.1	19.1
42.5°	16.4	16.4	16.4	16.4
45°	13.7	13.7	13.7	13.7
47.5°	10.9	10.9	10.9	10.9
50°	10.9	10.9	8.2	8.2
52.5°	8.2	8.2	5.5	5.5
55°	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	2.7	2.7
60°	5.5	5.5	2.7	2.7
62.5°	2.7	2.7	2.7	2.7
65°	2.7	2.7	0.0	0.0
67.5°	*2.7*	*2.7*	*0.0*	*0.0*
70°	2.7	2.7	0.0	0.0
72.5°	2.7	2.7	0.0	0.0
75°	2.7	2.7	0.0	0.0
77.5°	5.5	2.7	0.0	0.0
80°	5.5	5.5	2.7	0.0
82.5°	5.5	5.5	2.7	0.0
85°	5.5	5.5	2.7	0.0
87.5°	5.5	5.5	2.7	0.0
90°	5.5	5.5	2.7	0.0

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