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: P561116

Luminaire Tested: **SDL-PA1-80-750-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P561116
	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-PA1-80-750-U-T3-HSS
Description:	Springdale
	(1) 70 CRI, 5000K, 1050mA 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:	6917.7 lumens
Efficiency:	N/A
Efficacy:	84.4 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):	82
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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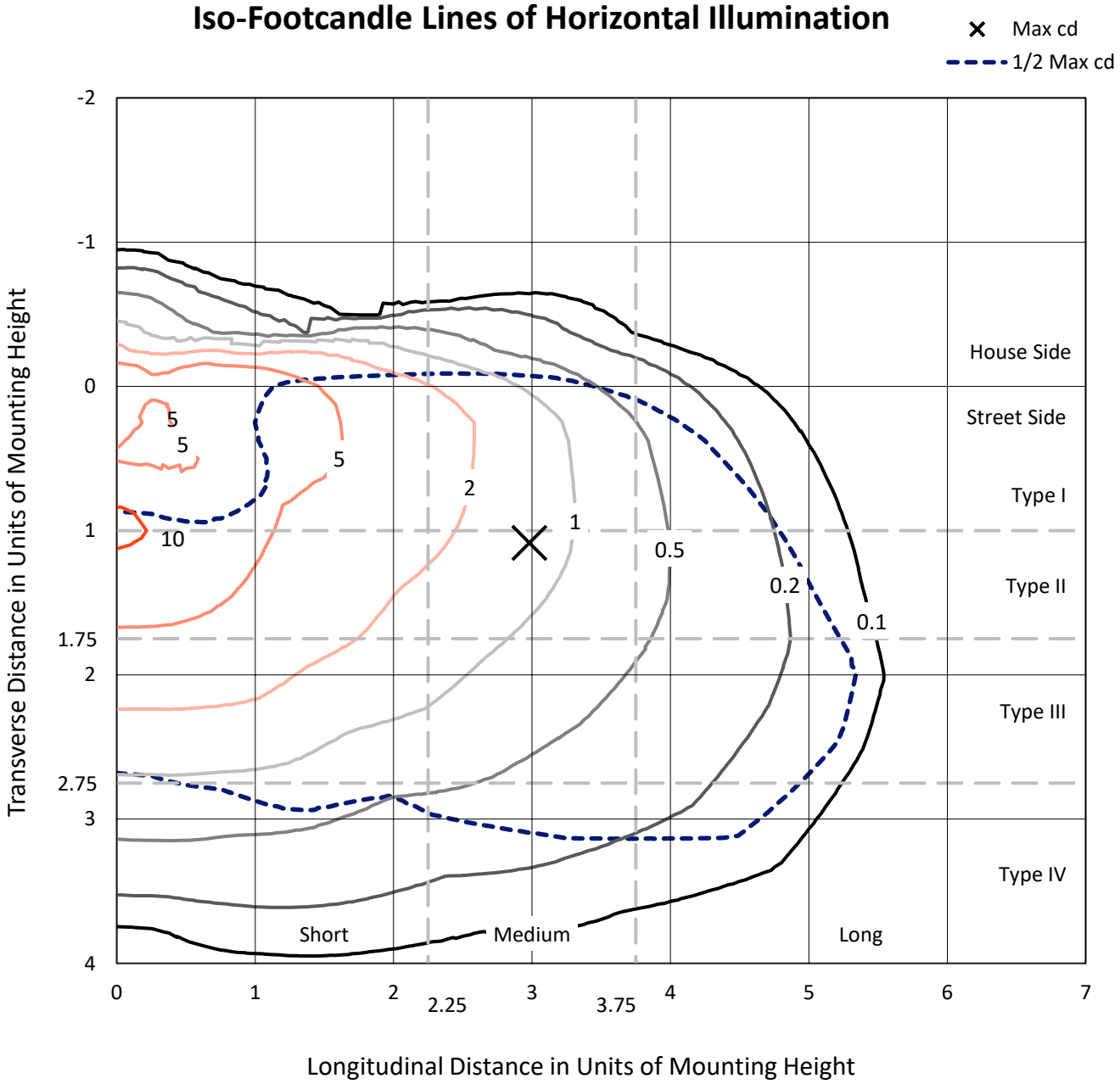
Iso-Footcandle Lines of Horizontal Illumination



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

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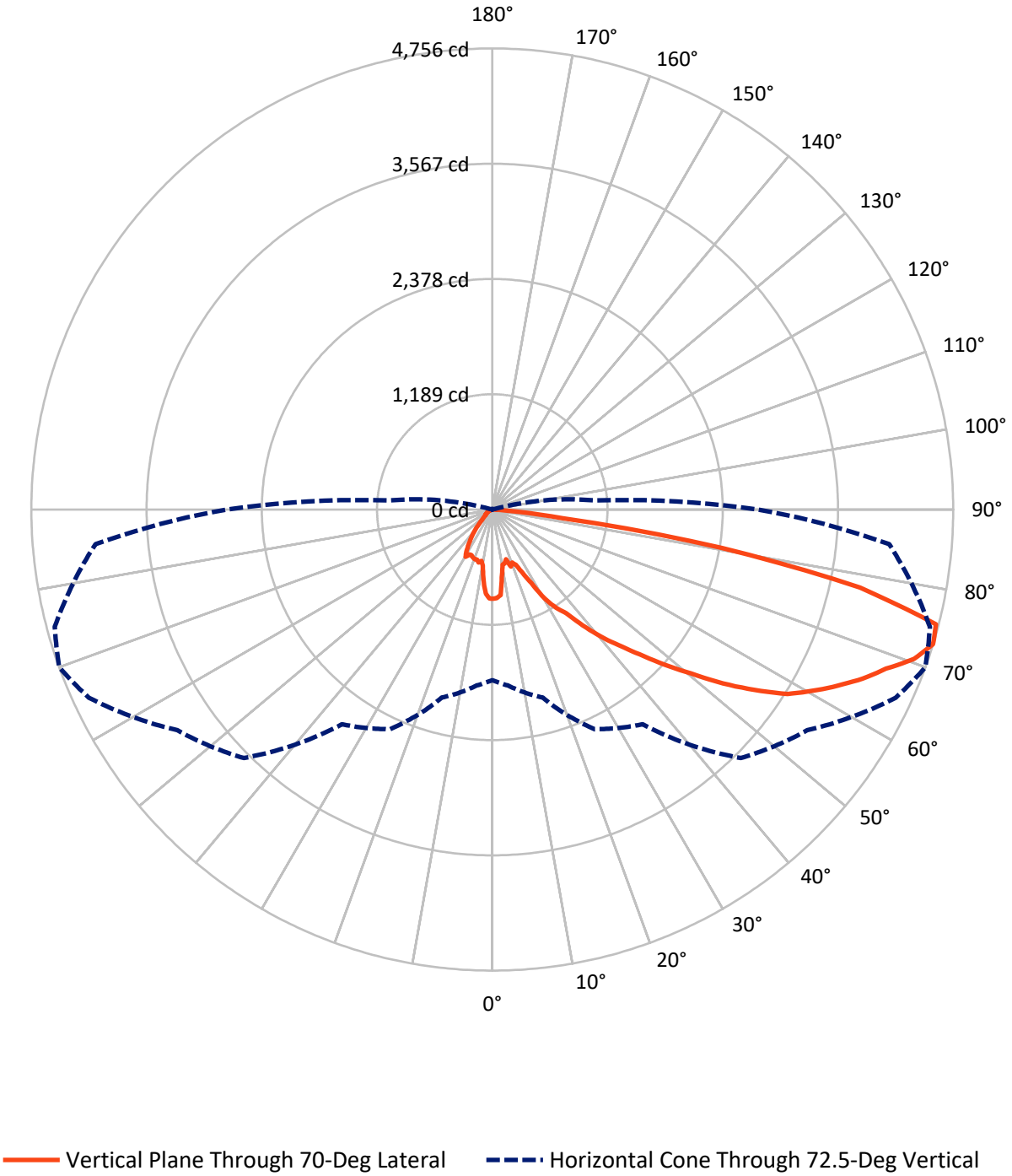
Luminous Intensity Polar Plot



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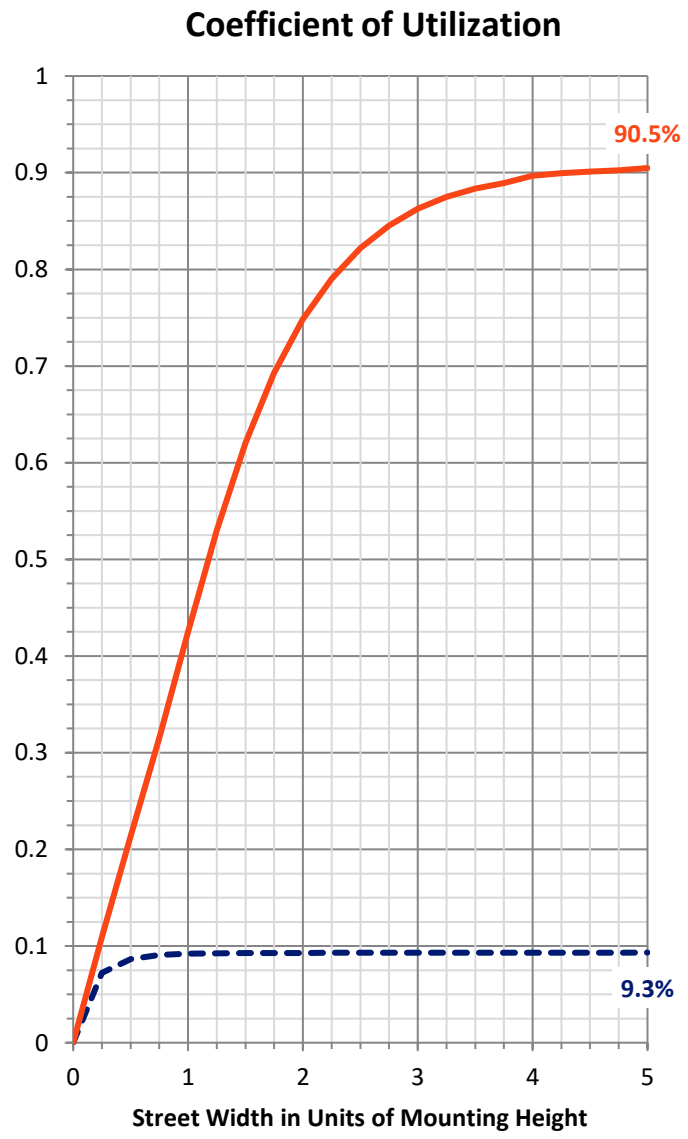
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	652.2	0.0	652.2
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	6265.4	0.0	6265.4
	% Fixture	90.6	0.0	90.6
Total	Lumens	6917.7	0.0	6917.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	1.0
10°-20°	141.6	2.0
20°-30°	230.8	3.3
30°-40°	492.5	7.1
40°-50°	948.9	13.7
50°-60°	1569.4	22.7
60°-70°	1921.0	27.8
70°-80°	1407.4	20.3
80°-90°	135.2	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°	6917.7	100.0
0°-180°	6917.7	100.0



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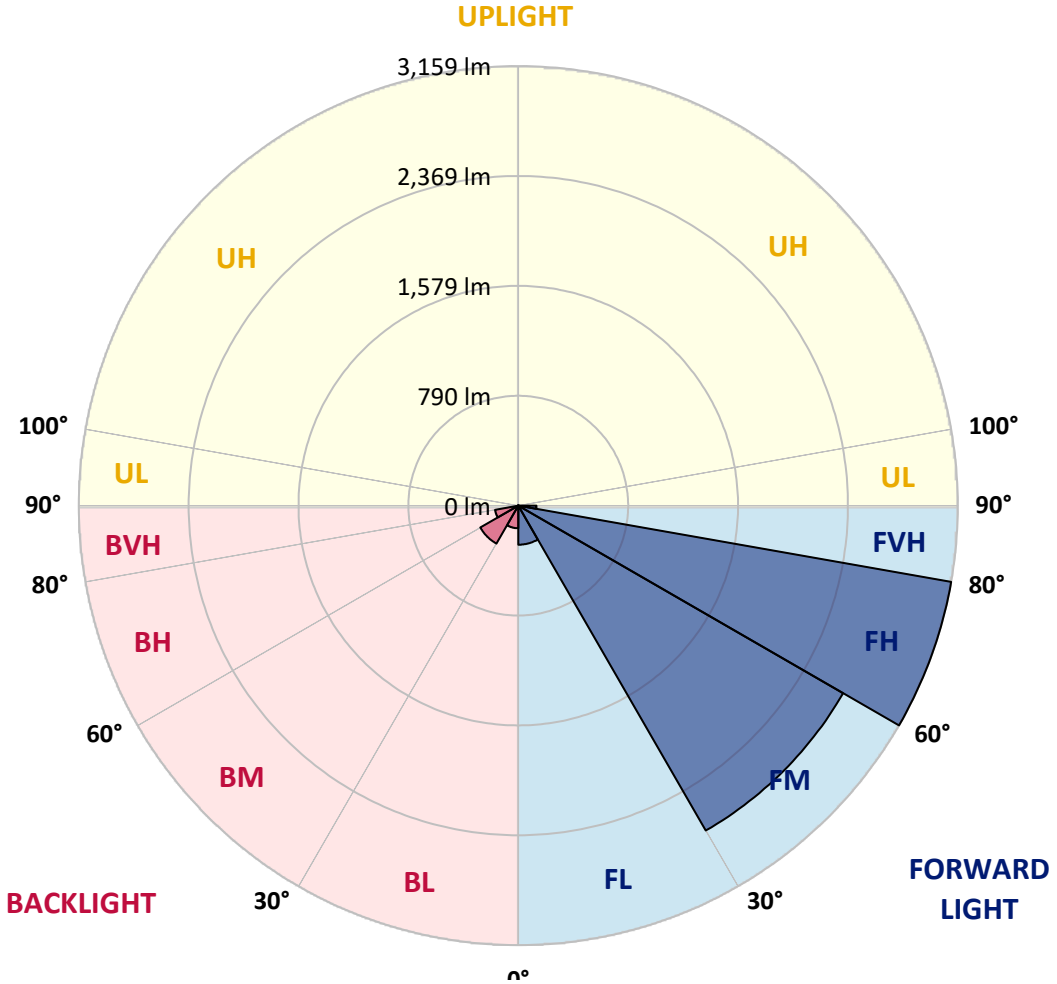
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	280.9	4.1			
FM	(30°-60°)	2695.6	39.0			
FH	(60°-80°)	3158.6	45.7			G2/5000
FVH	(80°-90°)	130.4	1.9			G2/225
BL	(0°-30°)	162.4	2.3	B1/500		
BM	(30°-60°)	315.2	4.6	B1/1000		
BH	(60°-80°)	169.8	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°	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6
2.5°	818.7	842.5	856.0	869.6	866.2	862.8	869.6	876.4	890.0	900.2	907.0
5°	737.1	737.1	737.1	737.1	740.5	740.5	740.5	740.5	743.9	747.3	750.7
7.5°	638.6	652.2	659.0	665.8	682.8	696.4	710.0	723.6	730.4	733.7	737.1
10°	693.0	693.0	693.0	693.0	696.4	696.4	652.2	604.7	608.1	611.5	591.1
12.5°	574.1	570.7	608.1	642.0	665.8	686.2	662.4	635.2	594.5	550.3	543.5
15°	676.0	676.0	676.0	676.0	628.4	580.9	546.9	512.9	540.1	563.9	509.5
17.5°	533.3	546.9	587.7	628.4	628.4	628.4	597.9	567.3	509.5	448.4	512.9
20°	662.4	662.4	662.4	659.0	580.9	502.8	529.9	553.7	577.5	601.3	591.1
22.5°	550.3	543.5	553.7	563.9	587.7	608.1	540.1	468.8	546.9	621.6	584.3
25°	696.4	696.4	699.8	699.8	625.0	550.3	594.5	635.2	577.5	519.7	611.5
27.5°	628.4	608.1	604.7	597.9	621.6	642.0	611.5	580.9	645.4	710.0	679.4
30°	873.0	873.0	849.2	825.5	733.7	638.6	648.8	655.6	655.6	655.6	723.6
32.5°	1212.7	1216.1	1124.4	1029.3	947.8	862.8	788.1	710.0	750.7	791.5	835.7
35°	1634.0	1644.1	1579.6	1511.7	1311.2	1110.8	985.1	859.4	856.0	849.2	913.8
37.5°	1936.3	1956.7	1905.7	1854.8	1617.0	1379.2	1199.1	1019.1	1002.1	981.7	1005.5
40°	2221.6	2208.0	2177.5	2143.5	1892.1	1637.3	1440.3	1239.9	1195.7	1148.2	1151.6
42.5°	2591.9	2551.1	2473.0	2394.9	2153.7	1912.5	1701.9	1491.3	1419.9	1348.6	1335.0
45°	3070.9	3002.9	2890.8	2775.3	2537.5	2299.8	2041.6	1780.0	1691.7	1600.0	1579.6
47.5°	3315.5	3267.9	3196.6	3121.8	2877.2	2632.7	2384.7	2133.3	2011.0	1885.3	1851.4
50°	3604.2	3543.1	3495.5	3444.5	3233.9	3019.9	2788.9	2554.5	2391.5	2228.4	2170.7
52.5°	3879.4	3777.4	3733.3	3685.7	3519.3	3349.4	3108.2	2867.1	2761.8	2653.0	2513.8
55°	3977.9	3879.4	3859.0	3838.6	3719.7	3600.8	3380.0	3159.2	3036.9	2911.2	2799.1
57.5°	3763.9	3777.4	3838.6	3899.7	3831.8	3763.9	3583.8	3400.4	3264.5	3128.6	3064.1
60°	3617.8	3648.4	3740.1	3831.8	3831.8	3831.8	3733.3	3634.8	3505.7	3376.6	3332.4
62.5°	3383.4	3420.8	3560.0	3699.3	3787.6	3876.0	3770.7	3665.3	3621.2	3573.6	3532.9
65°	3074.3	3084.5	3240.7	3397.0	3580.4	3760.5	3662.0	3560.0	3645.0	3729.9	3689.1
67.5°	2717.6	2734.6	2880.6	3023.3	3240.7	3458.1	3431.0	3400.4	3587.2	3774.1	3770.7
70°	2293.0	2323.5	2449.2	2571.5	2816.1	3057.3	3084.5	3111.6	3434.4	3753.7	3814.8
72.5°	*1759.6*	*1820.8*	*1915.9*	*2007.6*	*2255.6*	*2500.2*	*2602.1*	*2704.0*	*3166.0*	*3624.6*	*3797.8*
75°	584.3	625.0	890.0	1151.6	1403.0	1654.3	1878.5	2099.3	2676.8	3250.9	3611.0
77.5°	169.8	176.6	227.6	275.2	472.2	665.8	896.8	1124.4	1688.3	2248.8	2846.7
80°	88.3	91.7	101.9	112.1	163.1	214.0	309.1	400.8	659.0	917.2	1545.6
82.5°	61.1	61.1	71.3	78.1	98.5	118.9	169.8	220.8	241.2	261.6	621.6
85°	20.4	20.4	27.2	34.0	47.6	61.1	91.7	118.9	118.9	115.5	166.5
87.5°	3.4	3.4	6.8	10.2	17.0	20.4	17.0	13.6	10.2	6.8	13.6
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°	920.6	920.6	920.6	*920.6*	920.6	920.6	920.6	920.6	920.6	920.6	920.6
2.5°	910.4	913.8	913.8	*913.8*	917.2	917.2	917.2	917.2	913.8	917.2	917.2
5°	750.7	811.9	869.6	*886.6*	896.8	900.2	900.2	900.2	896.8	896.8	896.8
7.5°	740.5	737.1	733.7	*706.6*	771.1	784.7	794.9	791.5	791.5	774.5	754.1
10°	570.7	570.7	570.7	*577.5*	614.9	659.0	703.2	703.2	703.2	652.2	601.3
12.5°	533.3	553.7	570.7	*570.7*	509.5	560.5	611.5	611.5	611.5	560.5	506.2
15°	455.2	479.0	499.4	*533.3*	635.2	696.4	757.5	757.5	754.1	696.4	635.2
17.5°	574.1	567.3	557.1	*618.3*	580.9	591.1	601.3	570.7	614.9	597.9	580.9
20°	580.9	519.7	455.2	*584.3*	716.8	774.5	832.3	835.7	825.5	760.9	693.0
22.5°	546.9	625.0	699.8	*618.3*	638.6	625.0	608.1	601.3	601.3	597.9	594.5
25°	699.8	625.0	550.3	*723.6*	845.8	886.6	927.4	917.2	903.6	811.9	720.2
27.5°	645.4	720.2	791.5	*859.4*	920.6	958.0	995.3	1100.6	958.0	852.6	743.9
30°	788.1	879.8	968.1	*1066.7*	1253.5	1307.8	1362.2	1335.0	1301.0	1097.2	893.4
32.5°	876.4	1022.5	1165.2	*1209.3*	1321.4	1372.4	1419.9	1396.2	1355.4	1087.0	818.7
35°	974.9	1110.8	1243.3	*1314.6*	1450.5	1491.3	1528.6	1491.3	1447.1	1076.8	706.6
37.5°	1029.3	1212.7	1392.8	*1515.1*	1630.6	1640.7	1647.5	1613.6	1555.8	1076.8	597.9
40°	1155.0	1352.0	1545.6	*1722.3*	1814.0	1817.4	1820.8	1766.4	1661.1	1066.7	468.8
42.5°	1321.4	1521.9	1718.9	*1912.5*	2034.8	2024.6	2011.0	1936.3	1763.0	1049.7	336.3
45°	1559.2	1735.9	1912.5	*2129.9*	2279.4	2252.2	2221.6	2109.5	1834.4	1032.7	227.6
47.5°	1814.0	1953.3	2089.1	*2388.1*	2578.3	2520.6	2459.4	2296.4	1885.3	1025.9	163.1
50°	2109.5	2221.6	2333.7	*2659.8*	2887.4	2778.7	2670.0	2483.2	1905.7	1019.1	129.1
52.5°	2371.1	2486.6	2598.7	*2979.2*	3152.4	3030.1	2907.8	2629.3	1895.5	1005.5	112.1
55°	2683.6	2785.5	2887.4	*3284.9*	3424.2	3261.1	3094.7	2734.6	1844.6	974.9	101.9
57.5°	2996.1	3101.4	3203.4	*3590.6*	3631.4	3471.7	3308.7	2836.5	1793.6	944.4	91.7
60°	3288.3	3407.2	3526.1	*3797.8*	3828.4	3685.7	3543.1	2935.0	1712.1	896.8	81.5
62.5°	3492.1	3655.2	3818.2	*4001.7*	4015.2	3886.2	3753.7	3009.7	1606.8	842.5	74.7
65°	3645.0	3869.2	4090.0	*4202.1*	4195.3	4103.6	4011.8	3074.3	1521.9	791.5	61.1
67.5°	3763.9	4035.6	4307.4	*4382.1*	4399.1	4314.2	4229.2	3084.5	1416.5	733.7	47.6
70°	3876.0	4174.9	4473.8	*4616.5*	4582.5	4450.1	4317.6	3006.3	1273.9	655.6	34.0
72.5°	*3967.7*	*4280.2*	*4592.7*	*4755.8*	*4674.3*	*4392.3*	*4110.4*	*2741.4*	*1066.7*	*546.9*	*23.8*
75°	3967.7	4280.2	4589.3	*4728.6*	4450.1	3889.6	3325.7	2041.6	625.0	322.7	20.4
77.5°	3444.5	3672.1	3899.7	*3879.4*	3390.2	2693.8	1994.0	1175.4	210.6	115.5	17.0
80°	2174.1	2323.5	2473.0	*2398.3*	1732.5	1243.3	750.7	394.1	74.7	44.2	13.6
82.5°	981.7	964.7	947.8	*730.4*	339.7	227.6	112.1	67.9	20.4	13.6	6.8
85°	217.4	210.6	203.8	*149.5*	101.9	67.9	34.0	20.4	10.2	10.2	6.8
87.5°	20.4	23.8	23.8	*17.0*	17.0	13.6	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°	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6
2.5°	917.2	917.2	917.2	913.8	913.8	913.8	890.0	862.8	845.8	825.5	815.3
5°	866.2	835.7	798.3	760.9	754.1	743.9	747.3	747.3	750.7	750.7	750.7
7.5°	737.1	720.2	727.0	733.7	733.7	733.7	733.7	730.4	727.0	723.6	689.6
10°	587.7	574.1	574.1	574.1	584.3	591.1	574.1	553.7	584.3	611.5	604.7
12.5°	540.1	574.1	529.9	482.4	489.2	492.6	492.6	489.2	475.6	462.0	414.4
15°	563.9	492.6	451.8	407.6	407.6	407.6	329.5	251.4	234.4	217.4	220.8
17.5°	540.1	499.4	451.8	400.8	302.3	200.4	190.2	176.6	176.6	176.6	180.0
20°	543.5	394.1	332.9	271.8	217.4	159.7	149.5	135.9	129.1	118.9	139.3
22.5°	533.3	468.8	319.3	169.8	149.5	129.1	118.9	105.3	122.3	139.3	139.3
25°	516.3	309.1	231.0	149.5	125.7	101.9	115.5	125.7	118.9	108.7	125.7
27.5°	519.7	292.1	200.4	108.7	115.5	118.9	112.1	101.9	112.1	118.9	112.1
30°	560.5	227.6	169.8	108.7	105.3	98.5	101.9	105.3	101.9	95.1	101.9
32.5°	499.4	180.0	142.7	101.9	98.5	95.1	91.7	88.3	91.7	91.7	91.7
35°	421.2	135.9	115.5	95.1	88.3	81.5	81.5	78.1	78.1	78.1	78.1
37.5°	356.7	115.5	101.9	84.9	78.1	71.3	67.9	61.1	61.1	57.7	57.7
40°	288.7	105.3	91.7	74.7	67.9	57.7	54.4	47.6	47.6	44.2	44.2
42.5°	217.4	95.1	81.5	64.5	57.7	47.6	40.8	34.0	34.0	30.6	30.6
45°	156.3	84.9	71.3	54.4	47.6	37.4	30.6	23.8	23.8	20.4	20.4
47.5°	122.3	78.1	64.5	47.6	37.4	27.2	23.8	17.0	17.0	17.0	17.0
50°	98.5	67.9	54.4	37.4	27.2	17.0	13.6	10.2	10.2	10.2	10.2
52.5°	88.3	61.1	47.6	30.6	23.8	13.6	10.2	6.8	10.2	10.2	10.2
55°	78.1	54.4	40.8	23.8	17.0	10.2	10.2	6.8	10.2	10.2	10.2
57.5°	71.3	47.6	34.0	17.0	13.6	6.8	6.8	3.4	6.8	6.8	6.8
60°	61.1	40.8	27.2	13.6	10.2	3.4	3.4	3.4	6.8	6.8	6.8
62.5°	54.4	34.0	23.8	10.2	6.8	3.4	3.4	3.4	6.8	6.8	6.8
65°	44.2	23.8	17.0	6.8	6.8	3.4	3.4	3.4	6.8	6.8	6.8
67.5°	34.0	17.0	13.6	6.8	6.8	3.4	3.4	3.4	6.8	6.8	3.4
70°	23.8	13.6	10.2	3.4	3.4	3.4	3.4	3.4	6.8	6.8	3.4
72.5°	*17.0*	*10.2*	*6.8*	*3.4*	*3.4*	*0.0*	*3.4*	*3.4*	*6.8*	*6.8*	*6.8*
75°	17.0	10.2	6.8	3.4	3.4	0.0	3.4	6.8	6.8	6.8	6.8
77.5°	13.6	6.8	6.8	3.4	3.4	0.0	3.4	6.8	6.8	6.8	6.8
80°	10.2	6.8	6.8	3.4	3.4	0.0	6.8	10.2	10.2	10.2	6.8
82.5°	6.8	6.8	6.8	3.4	3.4	0.0	6.8	10.2	10.2	10.2	6.8
85°	6.8	6.8	6.8	6.8	3.4	0.0	6.8	10.2	10.2	10.2	10.2
87.5°	6.8	6.8	6.8	6.8	6.8	3.4	10.2	13.6	13.6	10.2	10.2
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°	920.6	920.6	920.6	920.6
2.5°	801.7	801.7	798.3	808.5
5°	750.7	750.7	750.7	754.1
7.5°	652.2	628.4	604.7	608.1
10°	594.5	587.7	577.5	584.3
12.5°	366.9	346.5	322.7	312.5
15°	224.2	224.2	224.2	220.8
17.5°	183.4	169.8	152.9	156.3
20°	159.7	163.1	166.5	166.5
22.5°	139.3	132.5	125.7	125.7
25°	139.3	139.3	139.3	139.3
27.5°	105.3	105.3	101.9	101.9
30°	108.7	108.7	105.3	101.9
32.5°	88.3	88.3	88.3	88.3
35°	74.7	71.3	67.9	67.9
37.5°	57.7	54.4	51.0	51.0
40°	40.8	40.8	37.4	37.4
42.5°	30.6	30.6	27.2	27.2
45°	20.4	20.4	20.4	20.4
47.5°	13.6	13.6	13.6	13.6
50°	10.2	10.2	10.2	10.2
52.5°	10.2	10.2	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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(END OF REPORT)