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: P561120

Luminaire Tested: **SDL-PA1-80-750-U-T4W-HSS**

Issue Date: 7/26/2021

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P561120
	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-PA1-80-750-U-T4W-HSS
Description:	Springdale
	(1) 70 CRI, 5000K, 1050mA 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:	6758.5 lumens
Efficiency:	N/A
Efficacy:	82.4 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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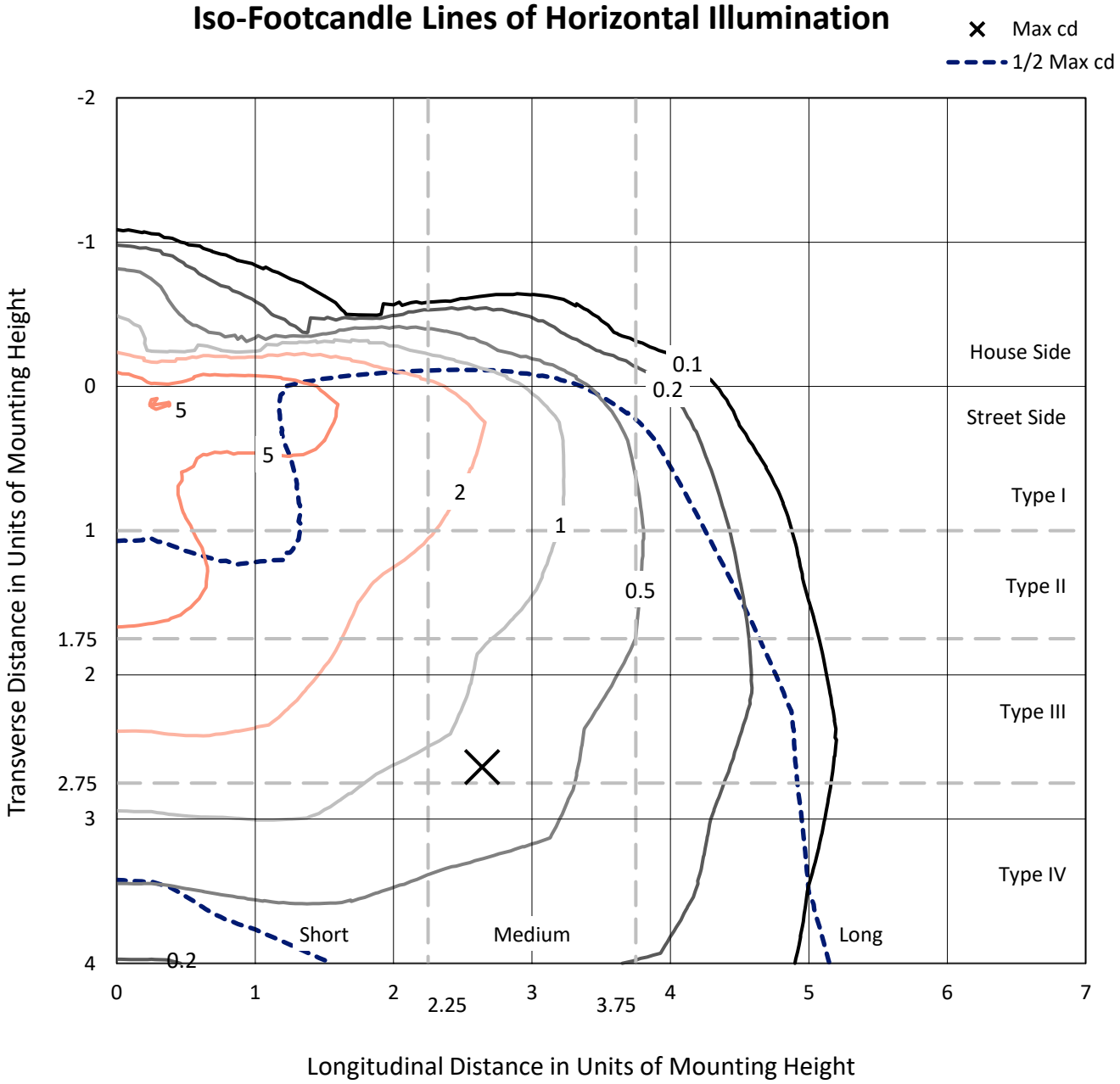
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
Type IV - Medium - N/A

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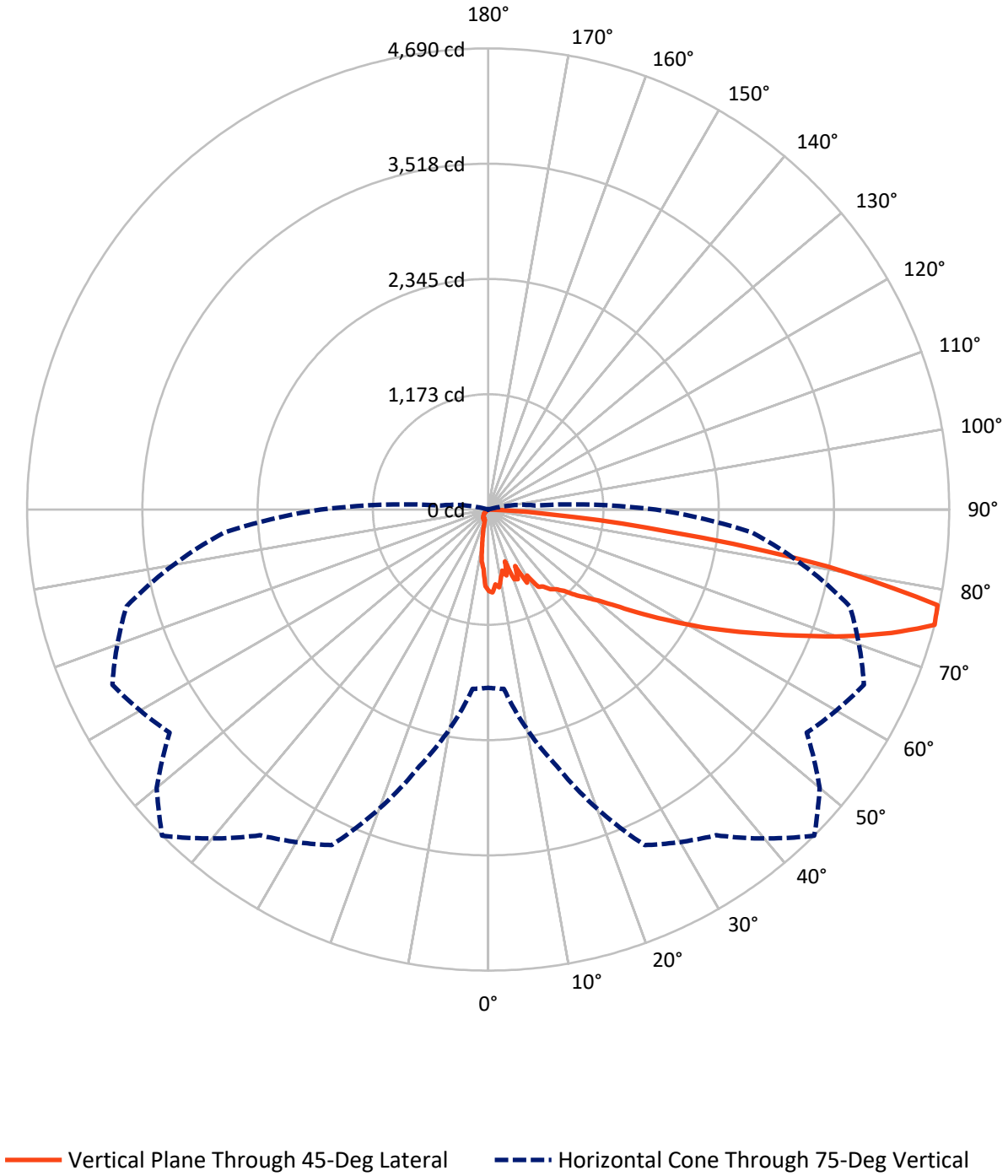
Luminous Intensity Polar Plot



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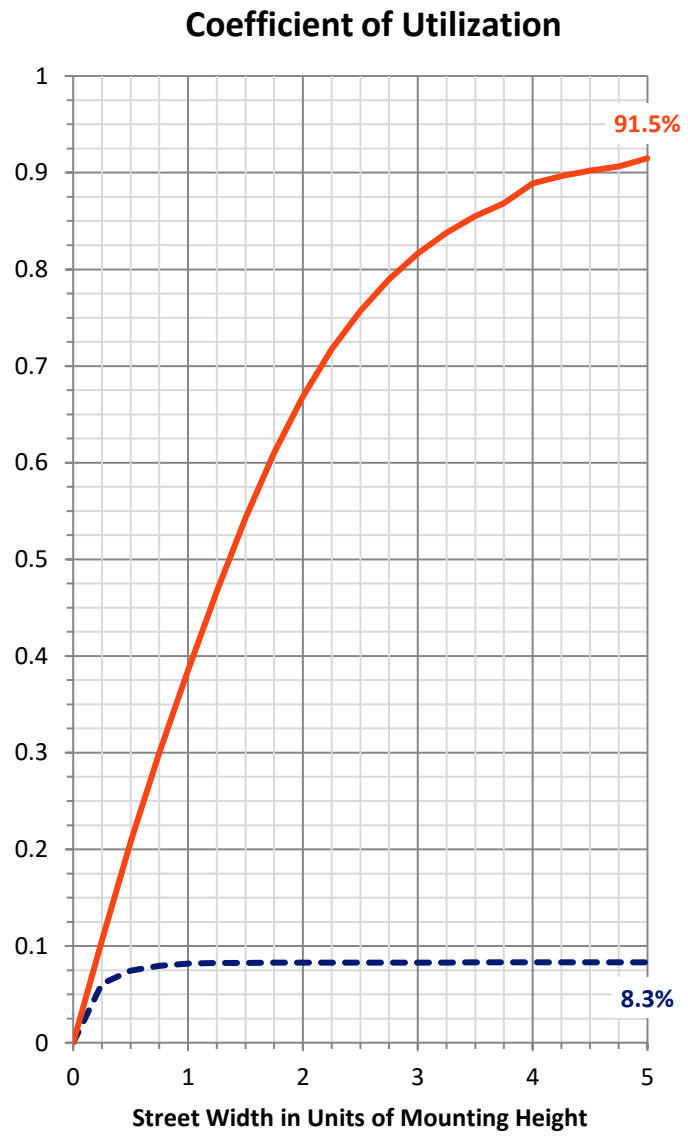
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	567.4	0.0	567.4
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	6191.1	0.0	6191.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	6758.5	0.0	6758.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	1.0
10°-20°	141.5	2.1
20°-30°	239.2	3.5
30°-40°	440.5	6.5
40°-50°	722.9	10.7
50°-60°	1286.7	19.0
60°-70°	1925.3	28.5
70°-80°	1714.1	25.4
80°-90°	223.9	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°	6758.5	100.0
0°-180°	6758.5	100.0



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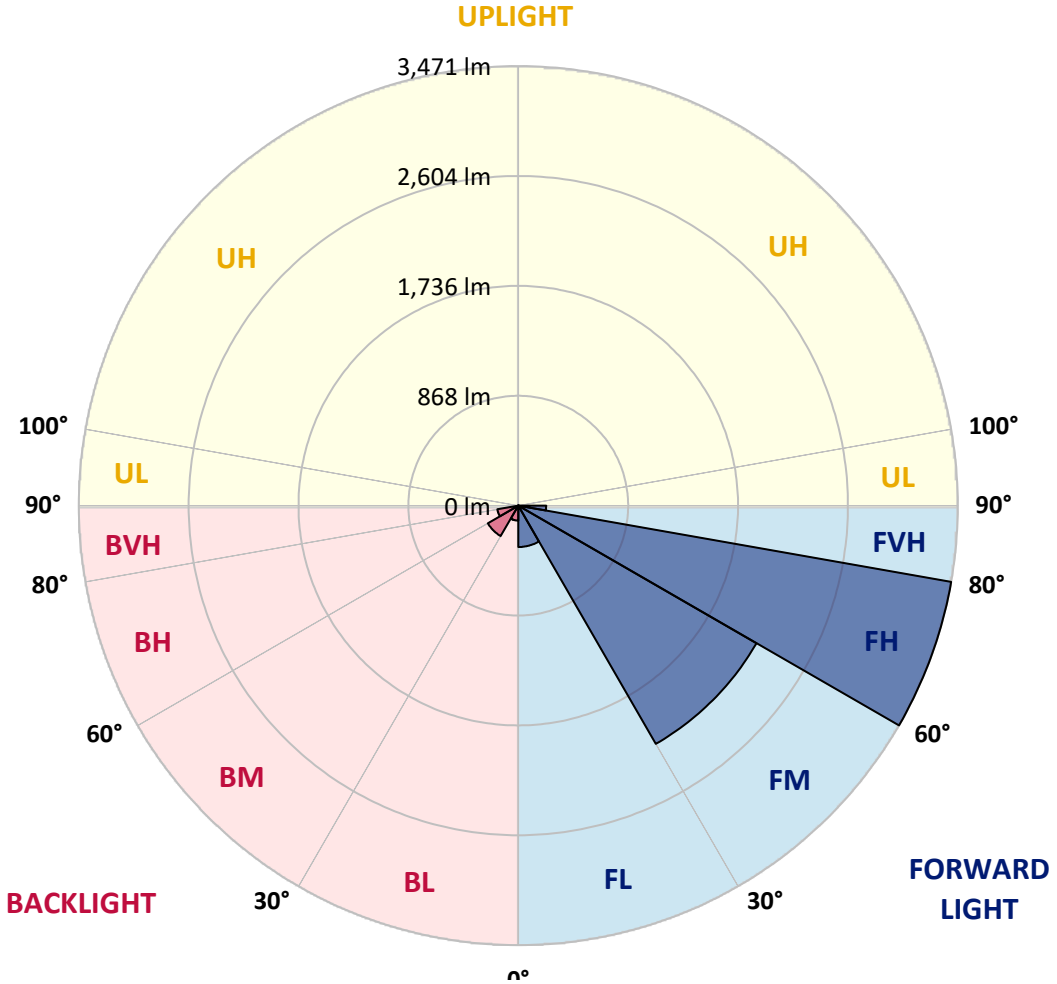
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	326.7	4.8			
FM	(30°-60°)	2172.6	32.1			
FH	(60°-80°)	3471.3	51.4			G2/5000
FVH	(80°-90°)	220.5	3.3			G2/225
BL	(0°-30°)	118.4	1.8	B1/500		
BM	(30°-60°)	277.6	4.1	B1/1000		
BH	(60°-80°)	168.0	2.5	B1/500		G1/500
BVH	(80°-90°)	3.4	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°	828.7	828.7	828.7	828.7	828.7	828.7	828.7	828.7	828.7	*828.7*	828.7
2.5°	770.9	828.7	835.5	838.9	845.7	849.1	849.1	849.1	849.1	*845.7*	845.7
5°	815.1	811.7	808.3	804.9	801.5	794.7	787.9	777.7	770.9	*764.2*	757.4
7.5°	798.1	801.5	811.7	818.5	815.1	811.7	818.5	821.9	811.7	*798.1*	784.5
10°	930.6	923.8	917.0	910.2	900.0	889.8	808.3	726.8	720.0	*709.8*	703.0
12.5°	815.1	917.0	917.0	917.0	917.0	917.0	862.6	808.3	723.4	*638.5*	540.0
15°	1018.9	1015.5	1001.9	988.3	896.6	801.5	750.6	699.6	699.6	*696.2*	655.5
17.5°	845.7	845.7	913.6	978.1	940.8	903.4	832.1	760.8	658.9	*553.6*	594.3
20°	1069.8	1069.8	1056.2	1042.6	886.4	730.2	737.0	743.8	750.6	*757.4*	628.3
22.5°	879.6	872.8	866.0	859.2	876.2	893.2	754.0	611.3	692.8	*770.9*	601.1
25°	1073.2	1083.4	1076.6	1066.4	927.2	787.9	818.5	845.7	740.4	*635.1*	737.0
27.5°	920.4	910.2	896.6	879.6	889.8	900.0	835.5	767.6	804.9	*842.3*	675.9
30°	1127.6	1130.9	1124.2	1117.4	984.9	852.5	849.1	842.3	811.7	*777.7*	760.8
32.5°	1395.9	1368.7	1273.6	1178.5	1097.0	1015.5	950.9	886.4	913.6	*937.4*	845.7
35°	1524.9	1474.0	1433.2	1389.1	1253.2	1114.0	1035.9	954.3	957.7	*961.1*	923.8
37.5°	1650.6	1575.9	1524.9	1474.0	1311.0	1147.9	1063.0	978.1	1005.3	*1029.1*	988.3
40°	1694.7	1654.0	1623.4	1592.8	1419.6	1243.0	1144.5	1042.6	1056.2	*1066.4*	1052.8
42.5°	1806.8	1800.0	1783.0	1762.7	1555.5	1344.9	1226.0	1107.2	1120.8	*1130.9*	1124.2
45°	2075.1	2064.9	2064.9	2061.5	1793.2	1521.5	1365.3	1209.1	1222.6	*1236.2*	1229.4
47.5°	2421.5	2404.5	2384.2	2360.4	2075.1	1786.4	1562.3	1334.7	1334.7	*1334.7*	1344.9
50°	2784.9	2761.1	2717.0	2669.4	2380.8	2092.1	1806.8	1521.5	1491.0	*1457.0*	1494.3
52.5°	3161.9	3121.1	3046.4	2968.3	2713.6	2458.9	2136.2	1810.2	1718.5	*1623.4*	1671.0
55°	3365.7	3321.5	3270.6	3216.2	3009.1	2798.5	2469.1	2139.6	1997.0	*1851.0*	1901.9
57.5°	3532.1	3521.9	3498.1	3474.4	3314.7	3155.1	2825.7	2492.8	2299.3	*2105.7*	2149.8
60°	3759.6	3746.1	3756.2	3766.4	3644.2	3521.9	3209.5	2893.6	2645.7	*2394.4*	2380.8
62.5°	3929.5	3926.1	3977.0	4027.9	3963.4	3895.5	3545.7	3192.5	2951.3	*2706.8*	2638.9
65°	3773.2	3817.4	4007.6	4197.8	4187.6	4174.0	3847.9	3518.5	3280.8	*3039.6*	2951.3
67.5°	3443.8	3464.2	3746.1	4024.6	4146.8	4265.7	4034.7	3800.4	3613.6	*3423.4*	3260.4
70°	3134.7	3178.9	3426.8	3674.7	3990.6	4306.4	4123.0	3939.6	3902.3	*3861.5*	3651.0
72.5°	2835.9	2914.0	3144.9	3375.9	3797.0	4214.7	4106.1	3997.4	4143.4	*4289.5*	4038.1
75°	*1813.6*	*1830.6*	*2268.7*	*2703.4*	*3236.6*	*3766.4*	*3905.7*	*4044.9*	*4367.6*	*4690.2*	*4401.5*
77.5°	529.8	587.6	917.0	1246.4	1857.7	2465.7	2941.1	3416.6	4044.9	*4673.2*	4320.0
80°	180.0	193.6	241.1	285.3	611.3	937.4	1487.6	2034.4	2764.5	*3494.7*	3246.8
82.5°	88.3	91.7	115.5	135.8	207.2	278.5	560.4	838.9	1355.1	*1867.9*	1912.1
85°	27.2	27.2	40.8	54.3	88.3	122.3	210.6	295.5	468.7	*638.5*	540.0
87.5°	6.8	6.8	10.2	13.6	20.4	27.2	27.2	27.2	20.4	*13.6*	17.0
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°	828.7	828.7	828.7	828.7	828.7	828.7	828.7	828.7	828.7	828.7	828.7
2.5°	849.1	849.1	849.1	845.7	838.9	835.5	828.7	821.9	815.1	811.7	804.9
5°	747.2	791.3	832.1	835.5	835.5	825.3	815.1	804.9	794.7	784.5	774.3
7.5°	767.6	743.8	720.0	723.4	726.8	723.4	716.6	699.6	686.0	658.9	628.3
10°	614.7	597.7	577.4	584.2	590.9	607.9	624.9	611.3	590.9	540.0	485.7
12.5°	604.5	601.1	594.3	543.4	489.1	516.2	540.0	526.4	506.0	455.1	400.8
15°	516.2	519.6	519.6	570.6	621.5	641.9	658.9	641.9	618.1	550.2	478.9
17.5°	665.7	631.7	597.7	577.4	553.6	560.4	567.2	492.5	516.2	472.1	424.5
20°	689.4	577.4	465.3	557.0	648.7	679.2	709.8	692.8	662.3	553.6	441.5
22.5°	628.3	669.1	709.8	652.1	594.3	557.0	516.2	499.2	478.9	431.3	383.8
25°	777.7	665.7	550.2	658.9	764.2	770.9	777.7	747.2	713.2	577.4	441.5
27.5°	696.2	733.6	767.6	791.3	815.1	845.7	876.2	842.3	760.8	601.1	438.1
30°	828.7	879.6	930.6	1008.7	1086.8	1110.6	1130.9	1093.6	1029.1	760.8	489.1
32.5°	866.0	967.9	1069.8	1100.4	1127.6	1158.1	1188.7	1158.1	1080.0	754.0	424.5
35°	967.9	1039.3	1107.2	1154.7	1202.3	1229.4	1256.6	1236.2	1130.9	743.8	356.6
37.5°	998.5	1093.6	1185.3	1239.6	1290.6	1314.3	1334.7	1334.7	1185.3	737.0	285.3
40°	1046.0	1164.9	1283.8	1334.7	1382.3	1419.6	1453.6	1467.2	1246.4	733.6	217.4
42.5°	1141.1	1246.4	1351.7	1433.2	1511.3	1565.7	1620.0	1630.2	1317.7	743.8	166.4
45°	1243.0	1355.1	1467.2	1575.9	1684.5	1762.7	1837.4	1830.6	1402.6	770.9	135.8
47.5°	1389.1	1494.3	1599.6	1783.0	1963.0	2037.7	2109.1	2061.5	1491.0	804.9	118.9
50°	1538.5	1667.6	1796.6	2031.0	2261.9	2329.8	2394.4	2295.9	1575.9	845.7	112.1
52.5°	1732.1	1884.9	2037.7	2306.1	2574.4	2635.5	2696.6	2496.2	1640.4	872.8	105.3
55°	1959.6	2156.6	2353.6	2608.3	2859.6	2931.0	3002.3	2693.2	1671.0	886.4	101.9
57.5°	2234.7	2462.3	2686.4	2920.8	3151.7	3250.2	3345.3	2886.8	1684.5	889.8	95.1
60°	2503.0	2754.4	3005.7	3206.1	3406.4	3559.3	3708.7	3077.0	1677.7	883.0	84.9
62.5°	2751.0	3029.5	3304.5	3491.3	3678.1	3861.5	4044.9	3229.8	1633.6	852.5	67.9
65°	3009.1	3304.5	3596.6	3759.6	3922.7	4160.4	4394.7	3362.3	1572.5	811.7	47.5
67.5°	3243.4	3525.3	3807.2	3990.6	4174.0	4408.3	4639.3	3396.2	1484.2	760.8	34.0
70°	3440.4	3746.1	4048.3	4235.1	4421.9	4540.8	4656.3	3246.8	1307.6	665.7	23.8
72.5°	3712.1	3987.2	4258.9	4354.0	4445.7	4238.5	4027.9	2706.8	981.5	502.6	20.4
75°	*3956.6*	*4089.1*	*4218.1*	*4014.4*	*3810.6*	*3253.6*	*2696.6*	*1704.9*	*478.9*	*251.3*	*20.4*
77.5°	3708.7	3637.4	3566.1	2941.1	2312.8	1718.5	1120.8	669.1	149.4	81.5	13.6
80°	2686.4	2360.4	2031.0	1406.0	777.7	519.6	258.1	149.4	37.4	23.8	10.2
82.5°	1446.8	1117.4	784.5	506.0	227.5	152.8	74.7	50.9	17.0	13.6	6.8
85°	523.0	414.3	302.3	234.3	166.4	98.5	27.2	17.0	10.2	10.2	6.8
87.5°	47.5	54.3	61.1	47.5	30.6	20.4	6.8	6.8	6.8	6.8	3.4
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°	828.7	828.7	828.7	828.7	828.7	828.7	828.7	828.7	828.7	828.7	828.7
2.5°	801.5	798.1	794.7	787.9	784.5	781.1	757.4	733.6	706.4	679.2	679.2
5°	730.2	686.0	662.3	638.5	621.5	604.5	601.1	594.3	587.6	580.8	577.4
7.5°	611.3	594.3	580.8	567.2	550.2	533.2	516.2	499.2	485.7	472.1	441.5
10°	458.5	431.3	410.9	390.6	380.4	366.8	346.4	322.6	322.6	322.6	319.2
12.5°	397.4	394.0	343.0	288.7	271.7	254.7	251.3	247.9	241.1	230.9	217.4
15°	394.0	305.7	261.5	214.0	203.8	190.2	169.8	146.0	142.6	135.8	152.8
17.5°	356.6	288.7	237.7	186.8	149.4	112.1	118.9	122.3	139.2	152.8	163.0
20°	322.6	203.8	169.8	132.5	122.3	108.7	115.5	122.3	118.9	112.1	129.1
22.5°	302.3	217.4	159.6	101.9	108.7	115.5	108.7	98.5	115.5	132.5	142.6
25°	292.1	139.2	125.7	108.7	101.9	95.1	108.7	118.9	112.1	105.3	125.7
27.5°	288.7	139.2	118.9	95.1	101.9	108.7	105.3	98.5	112.1	122.3	118.9
30°	309.1	125.7	112.1	98.5	95.1	91.7	98.5	105.3	105.3	101.9	118.9
32.5°	275.1	125.7	112.1	95.1	95.1	91.7	91.7	91.7	101.9	112.1	118.9
35°	237.7	115.5	105.3	91.7	88.3	84.9	88.3	88.3	98.5	105.3	118.9
37.5°	197.0	108.7	98.5	84.9	81.5	78.1	78.1	74.7	84.9	95.1	105.3
40°	159.6	101.9	91.7	78.1	74.7	71.3	71.3	71.3	78.1	81.5	88.3
42.5°	132.5	95.1	84.9	71.3	67.9	64.5	64.5	61.1	64.5	67.9	71.3
45°	115.5	91.7	81.5	67.9	64.5	57.7	54.3	50.9	50.9	50.9	50.9
47.5°	101.9	84.9	78.1	67.9	61.1	50.9	47.5	40.8	37.4	34.0	30.6
50°	95.1	78.1	71.3	61.1	54.3	44.2	37.4	30.6	27.2	20.4	20.4
52.5°	88.3	71.3	64.5	54.3	44.2	34.0	27.2	17.0	17.0	13.6	13.6
55°	84.9	67.9	57.7	47.5	37.4	23.8	17.0	10.2	10.2	6.8	6.8
57.5°	81.5	64.5	54.3	40.8	27.2	13.6	10.2	6.8	6.8	6.8	6.8
60°	71.3	57.7	44.2	27.2	17.0	6.8	6.8	3.4	6.8	6.8	6.8
62.5°	57.7	44.2	30.6	17.0	10.2	3.4	3.4	3.4	6.8	6.8	6.8
65°	40.8	30.6	20.4	10.2	6.8	3.4	3.4	3.4	3.4	3.4	3.4
67.5°	30.6	23.8	17.0	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4
70°	20.4	17.0	13.6	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4
72.5°	17.0	13.6	10.2	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4
75°	*17.0*	*13.6*	*10.2*	*3.4*	*3.4*	*0.0*	*3.4*	*3.4*	*3.4*	*3.4*	*3.4*
77.5°	13.6	10.2	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	3.4	6.8	6.8	6.8	6.8
82.5°	6.8	6.8	6.8	3.4	3.4	0.0	6.8	10.2	10.2	6.8	6.8
85°	6.8	3.4	3.4	3.4	3.4	3.4	6.8	10.2	10.2	10.2	6.8
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	6.8	10.2	10.2	10.2	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):

	165°	170°	175°	180°
0°	828.7	828.7	828.7	828.7
2.5°	675.9	675.9	672.5	672.5
5°	570.6	570.6	567.2	567.2
7.5°	410.9	404.2	394.0	397.4
10°	315.9	309.1	302.3	309.1
12.5°	203.8	207.2	207.2	197.0
15°	166.4	180.0	190.2	190.2
17.5°	173.2	173.2	169.8	169.8
20°	146.0	159.6	173.2	173.2
22.5°	149.4	142.6	135.8	135.8
25°	142.6	152.8	159.6	159.6
27.5°	115.5	118.9	122.3	122.3
30°	132.5	139.2	142.6	142.6
32.5°	125.7	132.5	135.8	139.2
35°	129.1	135.8	139.2	139.2
37.5°	115.5	118.9	122.3	122.3
40°	91.7	95.1	98.5	98.5
42.5°	71.3	71.3	67.9	71.3
45°	47.5	47.5	44.2	47.5
47.5°	27.2	27.2	27.2	27.2
50°	17.0	17.0	17.0	17.0
52.5°	10.2	10.2	10.2	10.2
55°	6.8	6.8	6.8	6.8
57.5°	6.8	6.8	3.4	3.4
60°	3.4	3.4	3.4	3.4
62.5°	3.4	3.4	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°	*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	0.0	0.0
85°	3.4	3.4	3.4	0.0
87.5°	3.4	3.4	3.4	0.0
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)