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: P561293

Luminaire Tested: **SDL-PA1-90-750-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P561293
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-90-750-U-T3
Description:	Springdale
	(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10185.5 lumens
Efficiency:	N/A
Efficacy:	110.2 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:	B2 - U0 - G3

Input Watts (W):	92.4
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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Scaled Data Report

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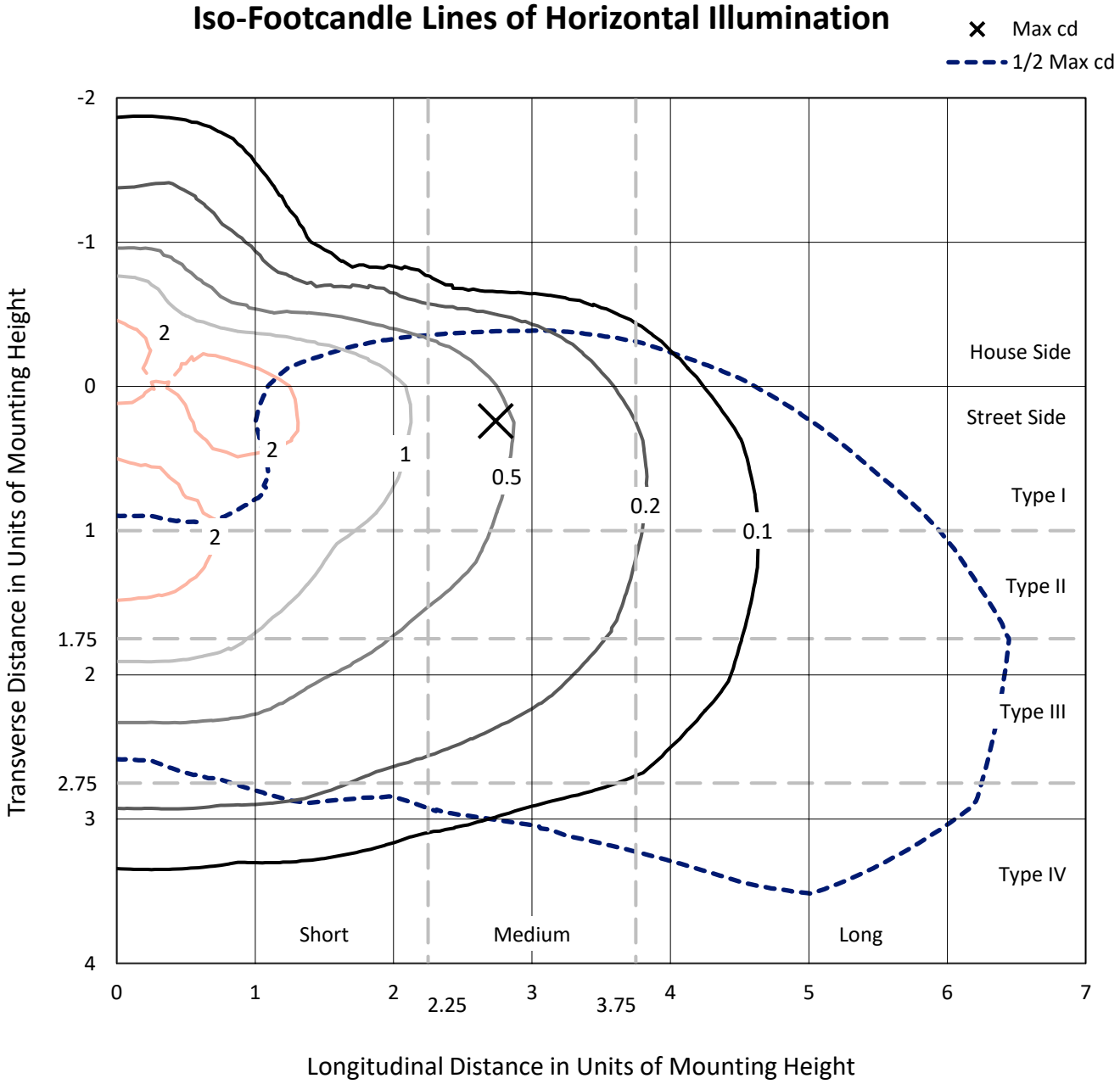
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 3.1 fc
Type IV - Medium - N/A

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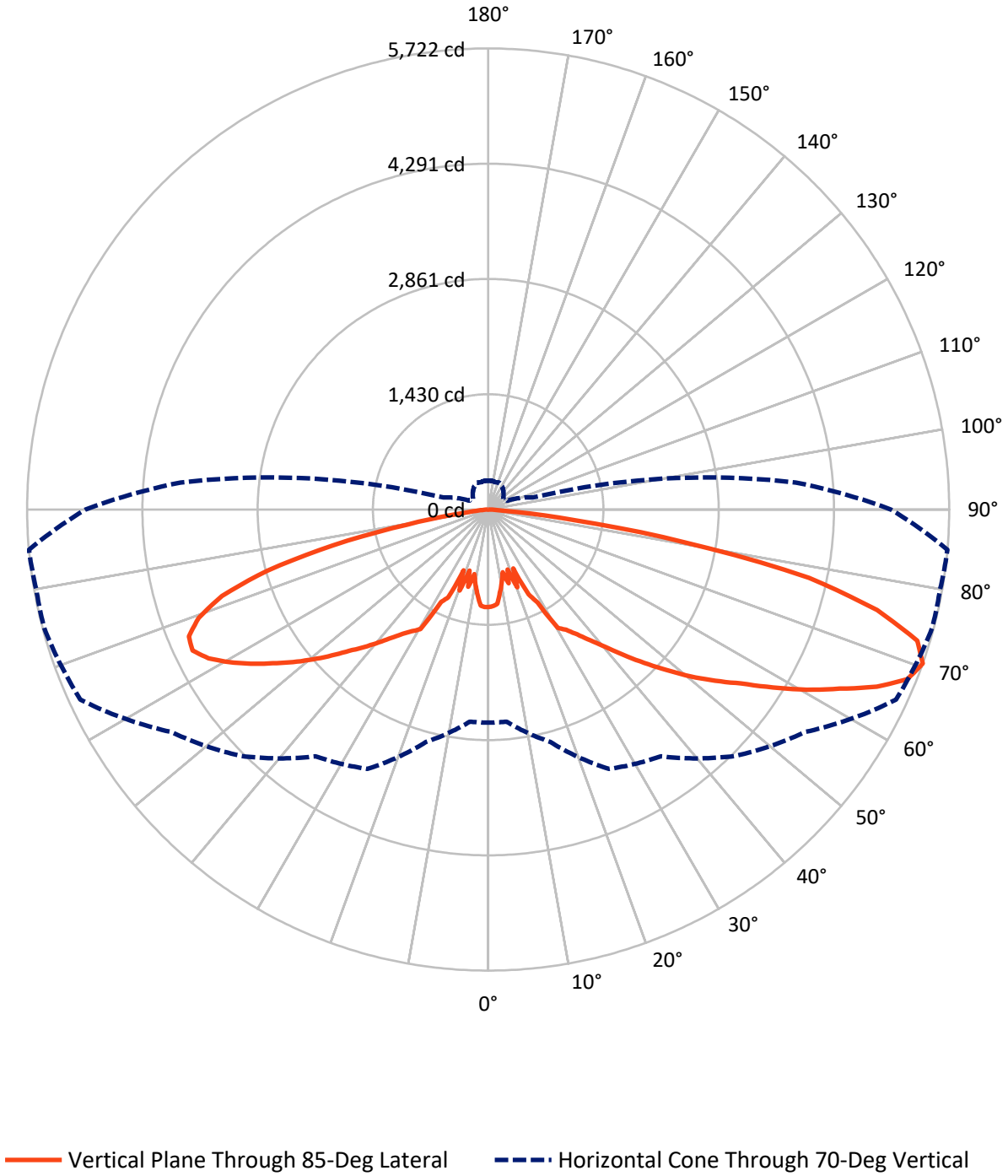
Luminous Intensity Polar Plot



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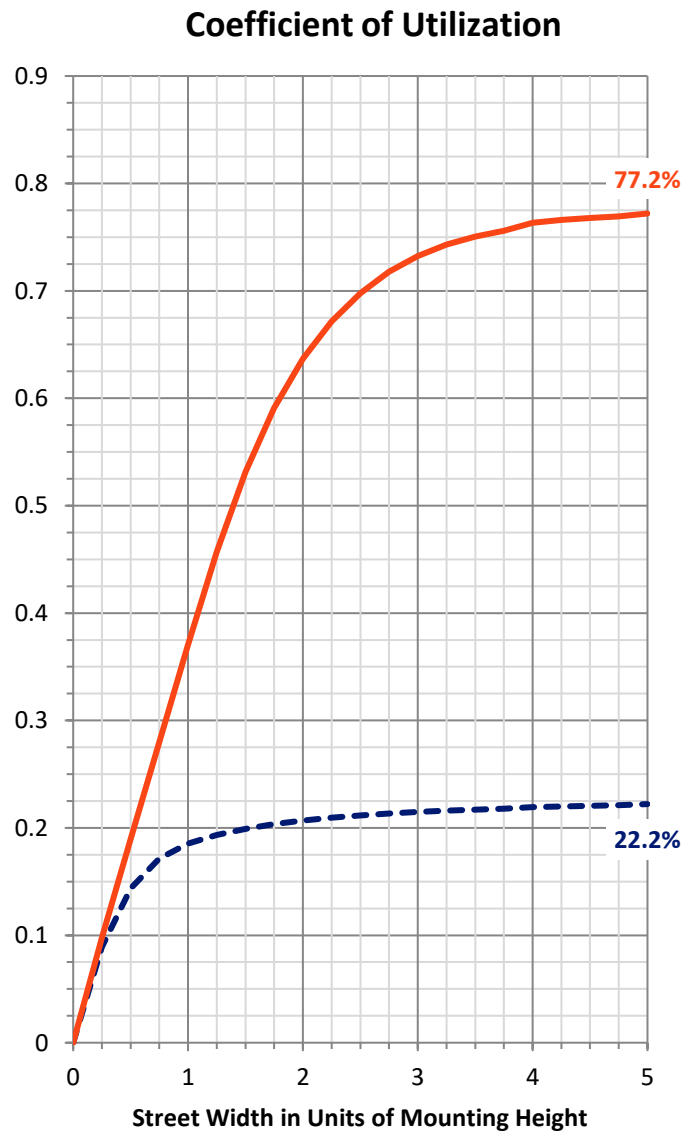
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2303.0	0.0	2303.0
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	7882.5	0.0	7882.5
	% Fixture	77.4	0.0	77.4
Total	Lumens	10185.5	0.0	10185.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.3	1.0
10°-20°	245.9	2.4
20°-30°	449.5	4.4
30°-40°	848.8	8.3
40°-50°	1382.8	13.6
50°-60°	2133.2	20.9
60°-70°	2614.7	25.7
70°-80°	2047.7	20.1
80°-90°	364.6	3.6
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°	10185.5	100.0
0°-180°	10185.5	100.0



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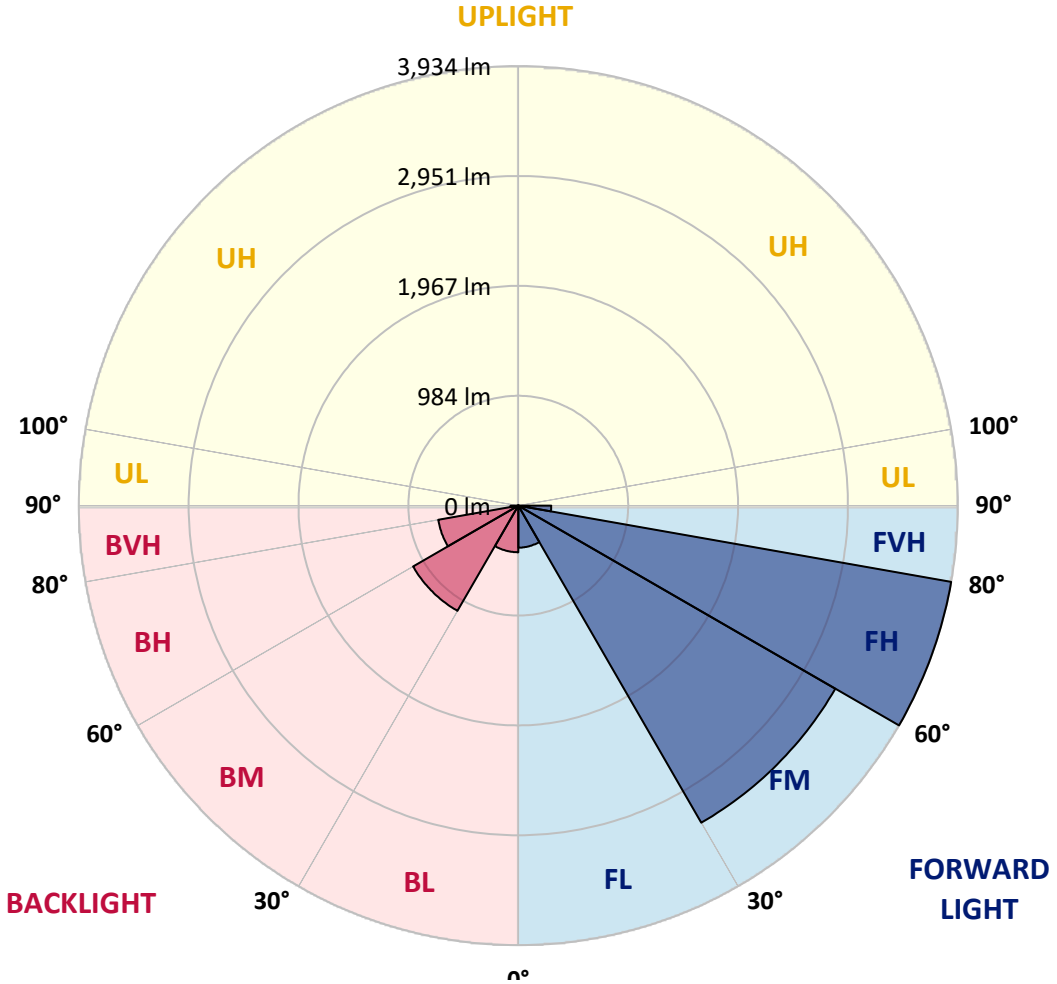
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	376.0	3.7			
FM	(30°-60°)	3276.9	32.2			
FH	(60°-80°)	3934.3	38.6			G2/5000
FVH	(80°-90°)	295.3	2.9			G3/500
BL	(0°-30°)	417.7	4.1	B1/500		
BM	(30°-60°)	1087.9	10.7	B2/2500		
BH	(60°-80°)	728.1	7.1	B2/1000		G2/1000
BVH	(80°-90°)	69.3	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9
2.5°	997.7	1087.0	1087.0	1087.0	1105.7	1120.5	1128.0	1131.7	1146.6	1157.8	1165.2
5°	930.7	934.4	934.4	934.4	938.1	941.9	945.6	949.3	956.7	960.5	971.6
7.5°	781.8	796.7	826.4	852.5	871.1	889.7	904.6	915.8	923.2	930.7	934.4
10°	871.1	871.1	871.1	871.1	871.1	871.1	826.4	781.8	785.5	785.5	763.2
12.5°	729.7	752.0	785.5	815.3	841.3	863.7	833.9	804.1	748.3	692.4	692.4
15°	845.1	845.1	841.3	837.6	789.2	740.8	696.2	651.5	681.3	711.0	658.9
17.5°	725.9	729.7	774.3	815.3	807.8	796.7	755.7	711.0	640.3	565.9	640.3
20°	930.7	919.5	897.2	874.8	770.6	666.4	685.0	703.6	722.2	737.1	737.1
22.5°	856.2	863.7	878.6	893.5	882.3	867.4	759.4	651.5	714.8	778.1	722.2
25°	1172.7	1172.7	1128.0	1083.3	971.6	856.2	874.8	889.7	781.8	670.1	763.2
27.5°	1083.3	1075.9	1057.3	1034.9	1057.3	1075.9	979.1	878.6	908.3	938.1	860.0
30°	1440.7	1440.7	1422.1	1403.5	1243.4	1079.6	1068.4	1053.5	990.2	923.2	967.9
32.5°	1727.4	1723.6	1638.0	1552.4	1463.0	1370.0	1273.2	1172.7	1165.2	1157.8	1150.3
35°	2069.8	2069.8	2021.4	1973.1	1775.7	1574.7	1459.3	1343.9	1310.4	1276.9	1303.0
37.5°	2263.4	2289.5	2270.9	2248.5	2032.6	1813.0	1652.9	1489.1	1455.6	1422.1	1433.3
40°	2531.5	2524.0	2520.3	2512.8	2263.4	2014.0	1842.8	1667.8	1645.5	1623.1	1623.1
42.5°	2937.2	2896.3	2851.6	2803.2	2550.1	2296.9	2107.1	1913.5	1872.5	1827.9	1831.6
45°	3495.7	3451.0	3346.7	3238.8	2981.9	2725.0	2471.9	2218.8	2148.0	2073.6	2066.1
47.5°	3838.1	3789.7	3737.6	3681.8	3406.3	3130.8	2870.2	2605.9	2501.7	2397.4	2356.5
50°	4191.8	4147.1	4106.2	4065.2	3823.3	3581.3	3320.7	3060.1	2896.3	2732.5	2661.8
52.5°	4526.8	4444.9	4404.0	4363.0	4158.3	3949.8	3678.1	3406.3	3283.5	3160.6	3008.0
55°	4690.6	4590.1	4575.2	4556.6	4404.0	4247.6	3987.1	3726.5	3588.7	3447.3	3294.6
57.5°	4459.8	4467.3	4549.2	4631.1	4545.5	4459.8	4214.1	3968.4	3830.7	3693.0	3577.6
60°	4251.4	4307.2	4407.7	4508.2	4515.7	4519.4	4389.1	4258.8	4106.2	3953.5	3864.2
62.5°	3964.7	4005.7	4162.0	4314.7	4430.1	4541.7	4407.7	4273.7	4221.6	4165.7	4109.9
65°	3577.6	3588.7	3767.4	3942.4	4150.9	4355.6	4251.4	4147.1	4236.5	4322.1	4329.5
67.5°	3104.8	3138.3	3313.2	3488.2	3741.4	3990.8	3987.1	3983.3	4173.2	4359.3	4489.6
70°	*2643.1*	*2643.1*	*2814.4*	*2985.6*	*3268.6*	*3551.5*	*3644.6*	*3737.6*	*4031.7*	*4325.8*	*4567.8*
72.5°	1991.7	2084.7	2174.1	2263.4	2579.9	2892.6	3097.3	3302.1	3741.4	4176.9	4545.5
75°	1098.2	1105.7	1183.8	1262.0	1578.4	1894.9	2203.9	2512.8	3101.0	3689.2	4270.0
77.5°	361.1	349.9	394.6	435.6	621.7	804.1	1064.7	1325.3	1973.1	2620.8	3555.2
80°	201.0	204.8	219.6	234.5	294.1	349.9	476.5	603.1	878.6	1150.3	2259.7
82.5°	134.0	137.7	152.6	167.5	193.6	219.6	290.4	357.4	383.4	405.8	1020.0
85°	85.6	89.3	96.8	104.2	111.7	115.4	163.8	212.2	193.6	175.0	305.3
87.5°	18.6	18.6	22.3	22.3	26.1	29.8	37.2	44.7	41.0	33.5	44.7
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°	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	*1209.9*	1209.9	1209.9	1209.9	1209.9
2.5°	1168.9	1176.4	1180.1	1183.8	1187.6	1195.0	*1198.7*	1202.4	1209.9	1213.6	1213.6
5°	982.8	1049.8	1113.1	1135.4	1157.8	1168.9	*1176.4*	1187.6	1195.0	1202.4	1209.9
7.5°	938.1	941.9	945.6	971.6	997.7	1020.0	*1042.4*	1049.8	1068.4	1057.3	1042.4
10°	737.1	740.8	740.8	766.9	792.9	871.1	*923.2*	934.4	945.6	900.9	852.5
12.5°	688.7	707.3	725.9	714.8	703.6	759.4	*796.7*	811.6	819.0	789.2	759.4
15°	603.1	621.7	636.6	722.2	807.8	882.3	*949.3*	967.9	990.2	941.9	889.7
17.5°	714.8	707.3	696.2	711.0	725.9	744.5	*781.8*	792.9	792.9	807.8	822.7
20°	737.1	655.2	573.3	725.9	878.6	945.6	*1031.2*	1061.0	1068.4	1027.5	986.5
22.5°	662.6	755.7	848.8	830.2	811.6	792.9	*792.9*	804.1	815.3	822.7	830.2
25°	852.5	774.3	696.2	874.8	1053.5	1124.3	*1165.2*	1183.8	1198.7	1146.6	1090.8
27.5°	781.8	886.0	986.5	1064.7	1142.9	1221.1	*1306.7*	1388.6	1288.1	1239.7	1191.3
30°	1008.9	1094.5	1180.1	1366.2	1552.4	1652.9	*1705.0*	1705.0	1705.0	1634.3	1559.8
32.5°	1142.9	1291.8	1440.7	1541.2	1638.0	1738.5	*1779.5*	1779.5	1779.5	1693.8	1604.5
35°	1325.3	1444.4	1563.5	1679.0	1794.4	1872.5	*1902.3*	1891.2	1868.8	1753.4	1638.0
37.5°	1444.4	1604.5	1764.6	1883.7	1999.1	2047.5	*2058.7*	2025.2	1991.7	1839.0	1682.7
40°	1623.1	1798.1	1969.3	2095.9	2222.5	2263.4	*2241.1*	2196.4	2136.9	1932.1	1727.4
42.5°	1831.6	2006.6	2181.5	2330.4	2475.6	2501.7	*2468.2*	2397.4	2293.2	2014.0	1731.1
45°	2058.7	2233.6	2404.9	2572.4	2739.9	2758.5	*2713.9*	2609.6	2457.0	2092.2	1727.4
47.5°	2311.8	2449.6	2587.3	2825.6	3063.8	3041.5	*2974.5*	2855.3	2654.3	2185.2	1712.5
50°	2591.0	2699.0	2803.2	3101.0	3398.9	3331.9	*3257.4*	3127.1	2862.8	2293.2	1719.9
52.5°	2851.6	2955.9	3060.1	3369.1	3674.3	3611.1	*3529.2*	3413.8	3075.0	2408.6	1738.5
55°	3142.0	3253.7	3365.4	3693.0	4020.6	3912.6	*3808.4*	3733.9	3283.5	2505.4	1727.4
57.5°	3458.4	3599.9	3741.4	4042.9	4340.7	4225.3	*4165.7*	4069.0	3514.3	2620.8	1727.4
60°	3774.9	3946.1	4117.3	4381.7	4646.0	4552.9	*4541.7*	4407.7	3730.2	2706.4	1679.0
62.5°	4054.1	4310.9	4567.8	4776.3	4981.0	4891.7	*4895.4*	4739.0	3931.2	2725.0	1515.2
65°	4337.0	4668.3	4995.9	5148.5	5301.2	5237.9	*5301.2*	5022.0	4065.2	2650.6	1235.9
67.5°	4616.2	4981.0	5345.9	5461.3	5576.7	5539.4	*5613.9*	5115.0	4035.4	2457.0	874.8
70°	*4809.8*	*5196.9*	*5584.1*	*5643.7*	*5703.2*	*5695.8*	*5721.8*	*4999.6*	*3834.4*	*2207.6*	*577.0*
72.5°	4914.0	5278.8	5639.9	5666.0	5688.3	5677.2	*5569.2*	4638.5	3473.3	1935.8	398.3
75°	4847.0	5200.7	5554.3	5502.2	5450.1	5345.9	*4984.7*	3994.5	2847.9	1571.0	294.1
77.5°	4489.6	4873.1	5256.5	5122.5	4984.7	4679.5	*4072.7*	2993.1	1980.5	1105.7	227.1
80°	3369.1	3841.9	4314.7	4154.6	3990.8	3346.7	*2479.3*	1675.2	1023.8	599.4	175.0
82.5°	1630.6	1894.9	2159.2	2118.2	2077.3	1537.5	*1072.1*	603.1	294.1	215.9	137.7
85°	431.8	640.3	848.8	811.6	774.3	409.5	*178.7*	156.4	115.4	108.0	96.8
87.5°	52.1	59.6	63.3	44.7	22.3	18.6	*18.6*	11.2	11.2	14.9	14.9
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°	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9	1209.9
2.5°	1221.1	1224.8	1224.8	1224.8	1224.8	1224.8	1195.0	1165.2	1157.8	1150.3	1135.4
5°	1176.4	1139.2	1113.1	1087.0	1087.0	1083.3	1094.5	1105.7	1113.1	1116.8	1120.5
7.5°	1046.1	1049.8	1072.1	1090.8	1109.4	1124.3	1135.4	1142.9	1135.4	1124.3	1079.6
10°	856.2	860.0	878.6	893.5	919.5	941.9	1005.1	1064.7	1135.4	1206.2	1224.8
12.5°	815.3	867.4	837.6	807.8	889.7	967.9	1049.8	1128.0	1183.8	1235.9	1198.7
15°	830.2	770.6	781.8	792.9	893.5	994.0	934.4	871.1	1020.0	1168.9	1202.4
17.5°	826.4	826.4	882.3	938.1	845.1	748.3	886.0	1020.0	1079.6	1135.4	1090.8
20°	882.3	774.3	815.3	852.5	927.0	997.7	938.1	878.6	900.9	923.2	1068.4
22.5°	919.5	1005.1	912.1	815.3	882.3	949.3	938.1	927.0	994.0	1061.0	1023.8
25°	960.5	826.4	893.5	956.7	882.3	804.1	863.7	919.5	900.9	882.3	997.7
27.5°	1101.9	1008.9	923.2	837.6	882.3	923.2	878.6	830.2	848.8	867.4	860.0
30°	1332.7	1101.9	994.0	886.0	830.2	770.6	774.3	778.1	800.4	822.7	886.0
32.5°	1392.3	1180.1	1023.8	867.4	830.2	792.9	759.4	722.2	755.7	789.2	863.7
35°	1407.2	1172.7	1005.1	837.6	778.1	718.5	696.2	673.8	729.7	785.5	852.5
37.5°	1399.7	1113.1	934.4	755.7	711.0	666.4	655.2	640.3	677.5	711.0	759.4
40°	1381.1	1034.9	856.2	677.5	640.3	603.1	595.6	588.2	614.3	640.3	670.1
42.5°	1347.6	960.5	781.8	603.1	577.0	551.0	543.5	532.4	554.7	577.0	588.2
45°	1306.7	886.0	718.5	547.2	528.6	506.3	495.1	480.2	502.6	521.2	524.9
47.5°	1265.7	815.3	662.6	506.3	491.4	472.8	461.6	446.7	465.3	480.2	484.0
50°	1232.2	740.8	603.1	465.3	450.5	435.6	424.4	413.2	431.8	446.7	446.7
52.5°	1213.6	685.0	551.0	416.9	409.5	402.1	398.3	390.9	405.8	420.7	424.4
55°	1168.9	606.8	491.4	372.3	376.0	376.0	372.3	364.8	394.6	420.7	431.8
57.5°	1120.5	513.7	428.1	338.8	346.2	353.7	357.4	361.1	394.6	424.4	439.3
60°	1057.3	435.6	372.3	309.0	320.2	327.6	346.2	361.1	390.9	420.7	428.1
62.5°	945.6	372.3	327.6	282.9	297.8	312.7	335.0	357.4	379.7	402.1	402.1
65°	781.8	323.9	294.1	260.6	282.9	301.5	327.6	353.7	372.3	387.2	383.4
67.5°	584.5	290.4	268.0	242.0	268.0	290.4	312.7	335.0	357.4	379.7	372.3
70°	*420.7*	*260.6*	*245.7*	*227.1*	*249.4*	*271.8*	*294.1*	*316.4*	*338.8*	*361.1*	*357.4*
72.5°	320.2	238.3	223.4	208.5	230.8	249.4	275.5	301.5	323.9	346.2	338.8
75°	256.9	215.9	204.8	189.9	212.2	234.5	260.6	282.9	305.3	327.6	320.2
77.5°	212.2	193.6	182.4	171.2	189.9	208.5	234.5	260.6	282.9	301.5	294.1
80°	171.2	163.8	156.4	145.2	167.5	186.1	212.2	234.5	253.1	271.8	260.6
82.5°	134.0	130.3	126.6	119.1	137.7	156.4	182.4	208.5	223.4	238.3	230.8
85°	100.5	100.5	96.8	93.1	108.0	119.1	134.0	145.2	160.1	171.2	163.8
87.5°	14.9	14.9	22.3	26.1	26.1	26.1	37.2	48.4	48.4	44.7	37.2
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°	1209.9	1209.9	1209.9	1209.9
2.5°	1120.5	1120.5	1120.5	1124.3
5°	1124.3	1128.0	1128.0	1135.4
7.5°	1031.2	1027.5	1023.8	1023.8
10°	1239.7	1247.1	1250.8	1258.3
12.5°	1157.8	1113.1	1068.4	1068.4
15°	1235.9	1243.4	1247.1	1254.6
17.5°	1046.1	1042.4	1038.6	1031.2
20°	1209.9	1217.3	1221.1	1221.1
22.5°	986.5	986.5	982.8	982.8
25°	1113.1	1113.1	1113.1	1120.5
27.5°	848.8	874.8	900.9	934.4
30°	949.3	953.0	956.7	956.7
32.5°	938.1	986.5	1034.9	1042.4
35°	919.5	919.5	915.8	919.5
37.5°	807.8	796.7	781.8	789.2
40°	696.2	670.1	644.0	640.3
42.5°	599.4	577.0	551.0	551.0
45°	528.6	513.7	495.1	487.7
47.5°	484.0	469.1	454.2	450.5
50°	443.0	428.1	413.2	413.2
52.5°	428.1	416.9	402.1	398.3
55°	443.0	420.7	398.3	390.9
57.5°	450.5	424.4	398.3	387.2
60°	431.8	416.9	398.3	383.4
62.5°	398.3	390.9	383.4	376.0
65°	376.0	376.0	372.3	364.8
67.5°	364.8	368.6	368.6	361.1
70°	*349.9*	*357.4*	*361.1*	*353.7*
72.5°	331.3	335.0	335.0	323.9
75°	309.0	305.3	301.5	294.1
77.5°	282.9	279.2	271.8	264.3
80°	249.4	245.7	242.0	230.8
82.5°	219.6	227.1	230.8	189.9
85°	152.6	137.7	122.9	100.5
87.5°	29.8	22.3	11.2	11.2
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)