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: P561272

Luminaire Tested: **SDL-PA1-90-740-U-T4W-A**

Issue Date: 7/26/2021

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P561272
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-90-740-U-T4W-A
Description:	Springdale
	(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9432.2 lumens
Efficiency:	N/A
Efficacy:	102.1 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 - U3 - 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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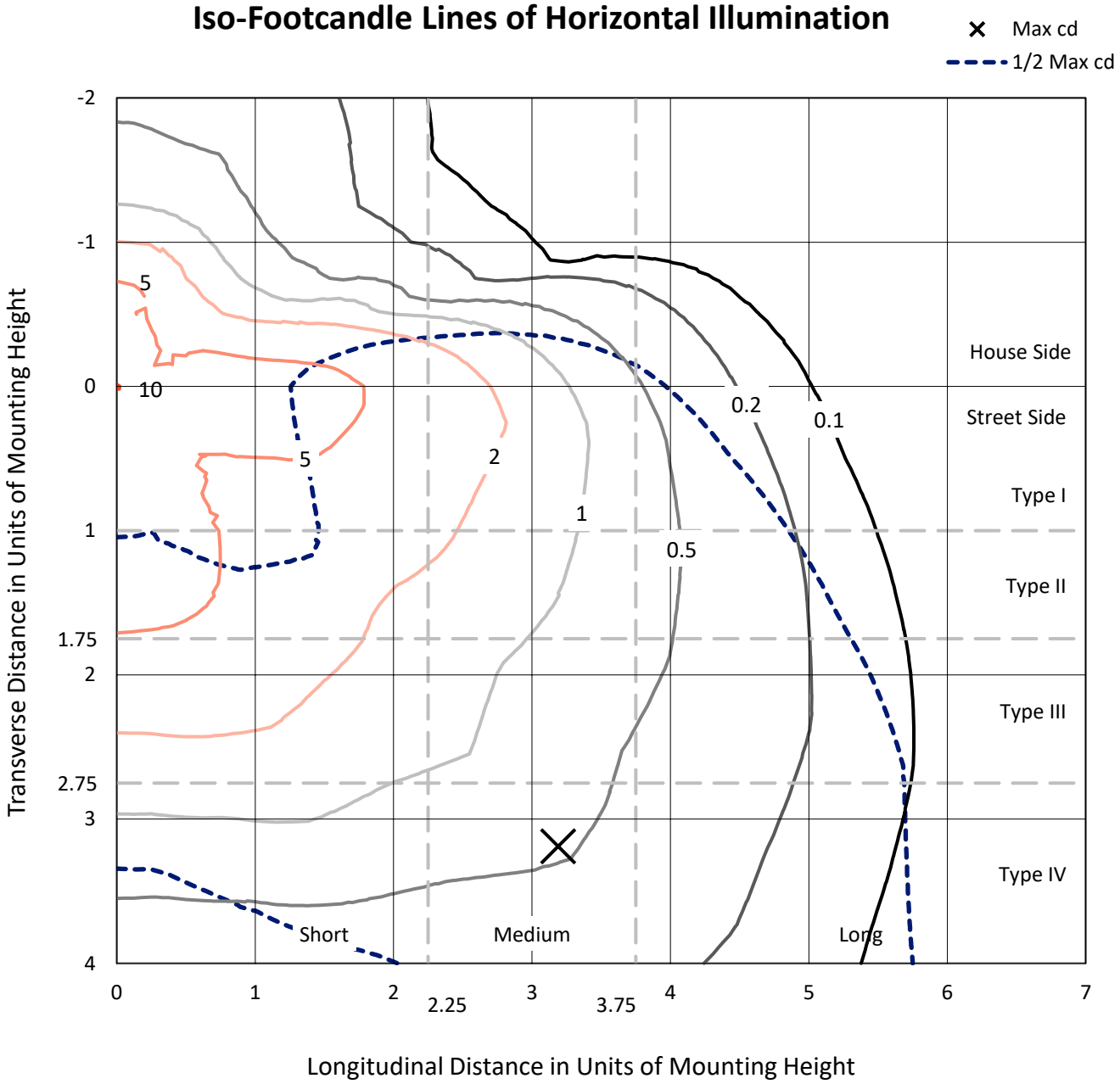
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
Type IV - Medium - N/A

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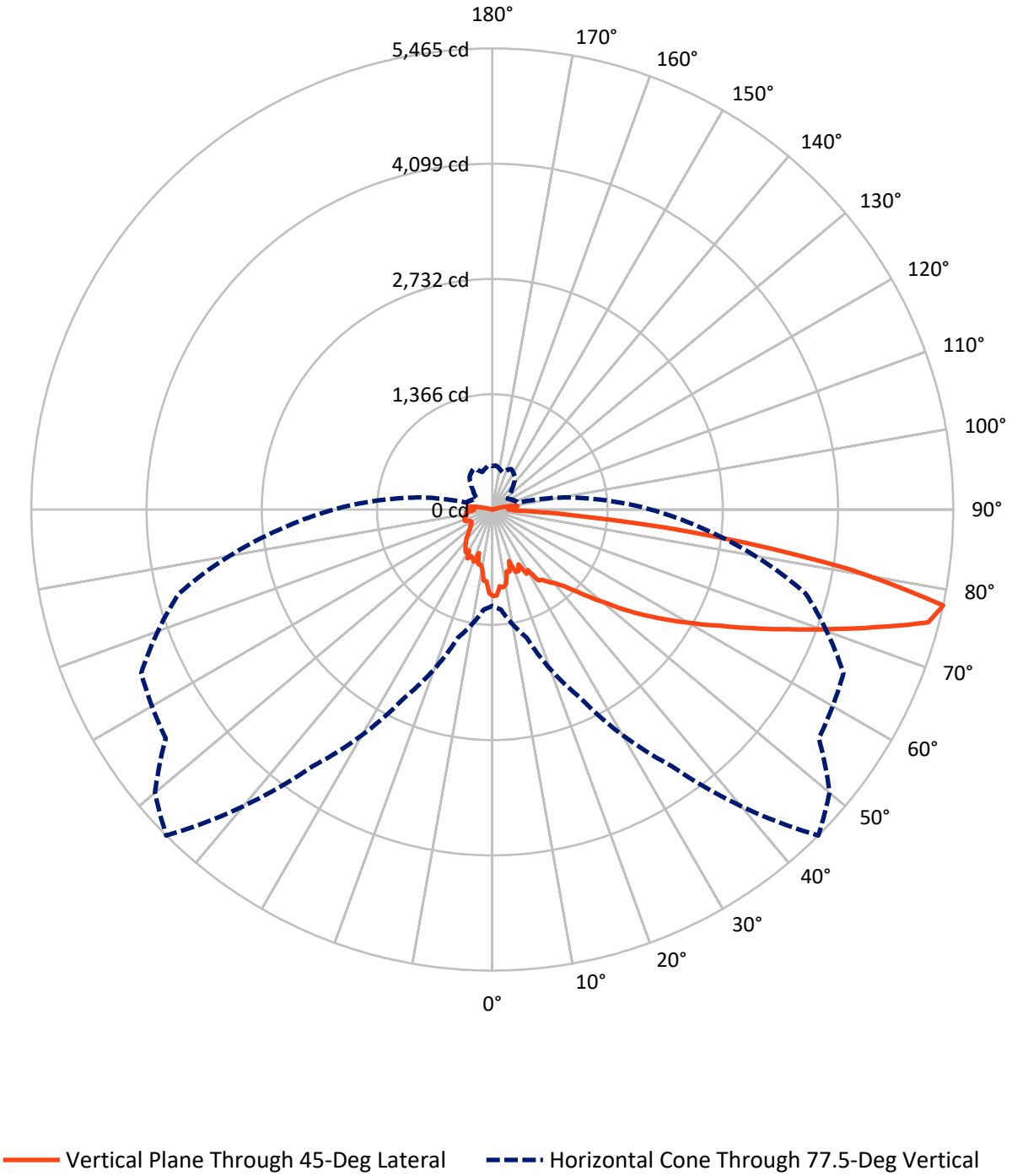
Luminous Intensity Polar Plot



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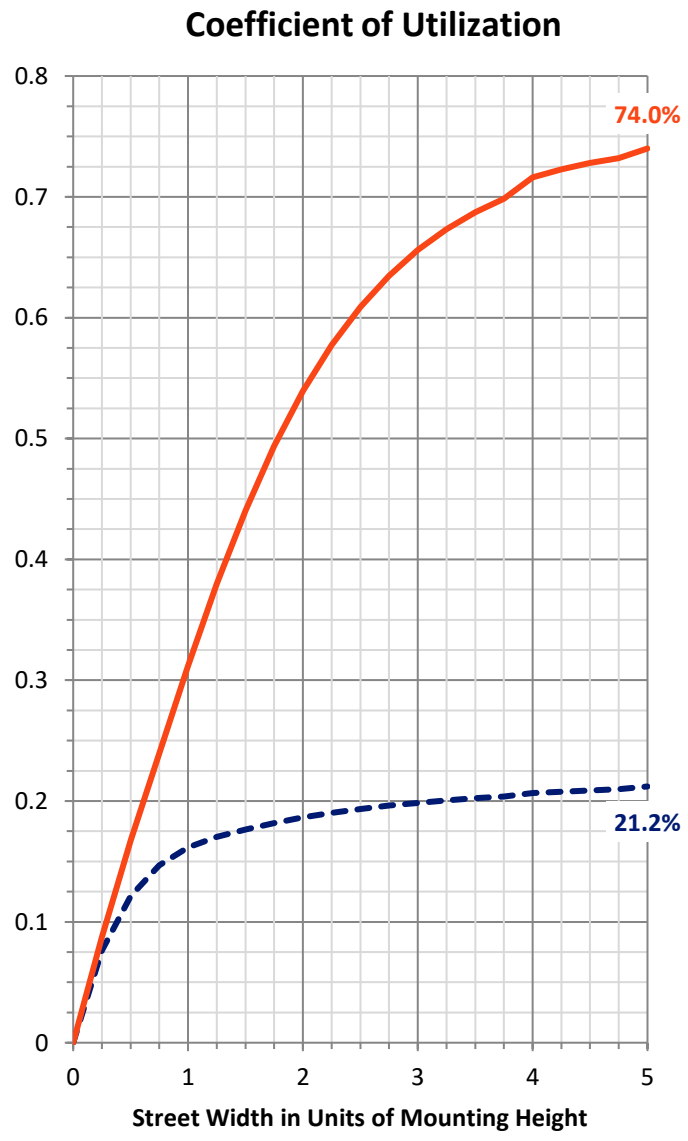
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2111.1	157.5	2268.6
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	7036.3	127.4	7163.6
	% Fixture	74.6	1.4	75.9
Total	Lumens	9147.4	284.8	9432.2
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	0.9
10°-20°	210.9	2.2
20°-30°	364.8	3.9
30°-40°	646.3	6.9
40°-50°	1001.9	10.6
50°-60°	1613.0	17.1
60°-70°	2372.0	25.1
70°-80°	2283.8	24.2
80°-90°	569.5	6.0
90°-100°	212.4	2.3
100°-110°	47.0	0.5
110°-120°	10.1	0.1
120°-130°	8.4	0.1
130°-140°	3.6	0.0
140°-150°	1.5	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9147.4	97.0
0°-180°	9432.2	100.0



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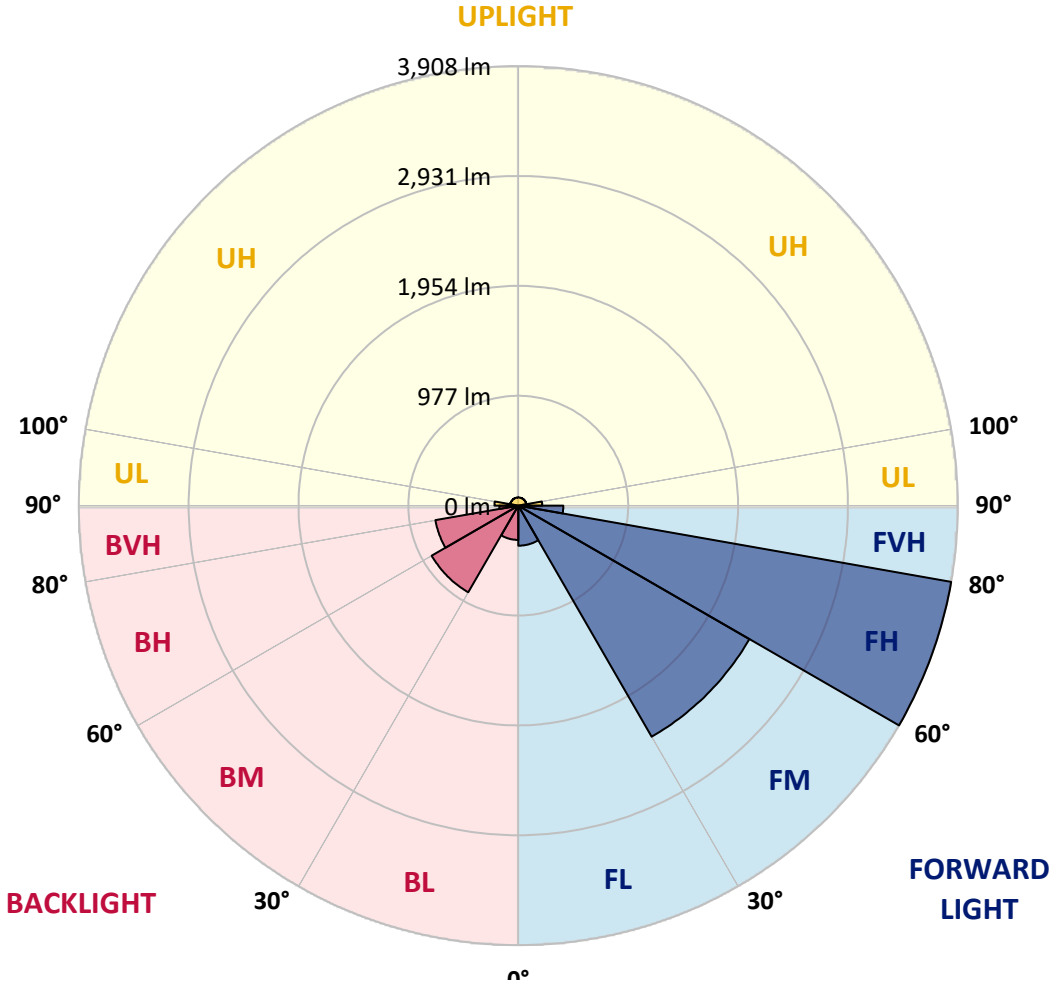
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	356.0	3.8			
FM	(30°-60°)	2372.4	25.2			
FH	(60°-80°)	3907.8	41.4			G2/5000
FVH	(80°-90°)	400.0	4.2			G3/500
BL	(0°-30°)	304.7	3.2	B1/500		
BM	(30°-60°)	888.9	9.4	B1/1000		
BH	(60°-80°)	748.0	7.9	B2/1000		G2/1000
BVH	(80°-90°)	169.5	1.8			G2/225
UL	(90°-100°)	212.4	2.3		U3/500	
UH	(100°-180°)	72.4	0.8		U3/500	

BUG Rating: B2-U3-G3
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1024.0	1024.0	1024.0	1024.0	1024.0	*1024.0*	1024.0	1024.0	1024.0	1024.0	1024.0
2.5°	931.2	1020.3	1005.4	1016.6	1016.6	*1020.3*	1024.0	1024.0	1027.7	1024.0	1024.0
5°	949.8	946.1	938.6	931.2	923.8	*912.7*	912.7	912.7	1001.7	1009.1	1001.7
7.5°	886.7	964.6	957.2	942.4	942.4	*931.2*	916.4	901.5	875.6	868.2	879.3
10°	1001.7	998.0	986.9	964.6	883.0	*897.8*	805.1	727.2	697.5	716.0	764.3
12.5°	890.4	953.5	979.5	979.5	875.6	*753.1*	671.5	716.0	690.1	615.9	671.5
15°	1049.9	1042.5	1012.8	964.6	768.0	*764.3*	719.8	630.7	641.8	697.5	749.4
17.5°	897.8	897.8	1005.4	920.1	790.2	*641.8*	638.1	708.6	649.3	619.6	649.3
20°	1083.3	1079.6	1046.2	764.3	797.7	*786.5*	649.3	723.5	619.6	712.3	779.1
22.5°	920.1	912.7	964.6	916.4	760.6	*794.0*	608.5	686.4	738.3	653.0	604.7
25°	1083.3	1090.8	1075.9	816.2	864.4	*719.8*	734.6	782.8	678.9	827.3	860.7
27.5°	953.5	953.5	912.7	912.7	801.4	*864.4*	690.1	734.6	808.8	894.1	1049.9
30°	1168.7	1172.4	1146.4	879.3	886.7	*831.1*	801.4	853.3	972.0	1161.3	1231.7
32.5°	1428.4	1428.4	1228.0	1049.9	890.4	*1001.7*	845.9	931.2	1101.9	1198.4	1291.1
35°	1591.6	1573.1	1484.0	1179.8	960.9	*1024.0*	957.2	990.6	1142.7	1283.7	1350.5
37.5°	1825.4	1817.9	1728.9	1294.8	1031.4	*1090.8*	994.3	1031.4	1216.9	1346.8	1424.7
40°	2148.1	2111.0	2033.1	1495.2	1116.7	*1150.1*	1038.8	1083.3	1305.9	1428.4	1521.1
42.5°	2404.1	2411.5	2355.9	1732.6	1257.7	*1235.5*	1116.7	1150.1	1402.4	1554.5	1658.4
45°	2641.6	2634.1	2645.3	2018.3	1432.1	*1372.7*	1254.0	1257.7	1524.8	1710.3	1851.3
47.5°	2804.8	2801.1	2827.1	2285.4	1654.7	*1547.1*	1406.1	1391.3	1665.8	1977.5	2114.7
50°	3001.4	2990.3	2975.5	2571.1	1907.0	*1736.3*	1606.5	1554.5	1847.6	2278.0	2448.6
52.5°	3242.6	3216.6	3168.4	2793.7	2185.2	*1977.5*	1832.8	1762.3	2092.5	2615.6	2834.5
55°	3472.6	3435.5	3394.7	3042.3	2441.2	*2218.6*	2062.8	2022.0	2411.5	2964.3	3246.3
57.5°	3698.9	3680.4	3647.0	3372.4	2767.7	*2470.9*	2296.5	2289.1	2782.5	3302.0	3687.8
60°	3910.4	3880.7	3925.2	3728.6	3071.9	*2738.0*	2552.5	2608.2	3190.7	3639.6	4177.5
62.5°	4040.3	4029.1	4125.6	4055.1	3353.9	*3034.8*	2845.6	2942.1	3583.9	3969.8	4611.6
65°	3847.3	3877.0	4259.2	4259.2	3680.4	*3387.3*	3201.8	3261.1	3954.9	4303.7	5008.6
67.5°	3494.9	3535.7	4055.1	4374.2	3973.5	*3784.3*	3591.3	3624.7	4285.1	4574.5	5331.4
70°	3194.4	3224.0	3706.4	4381.6	4159.0	*4244.3*	3966.1	3936.4	4541.1	4800.8	5450.1
72.5°	2931.0	2971.8	3368.7	4337.1	4340.8	*4767.4*	4411.3	4233.2	4774.9	4886.2	5071.7
75°	2322.5	2303.9	2752.9	3813.9	4400.1	*5338.8*	4934.4	4563.4	4889.9	4593.1	3977.2
77.5°	*1142.7*	*1190.9*	*1569.4*	*2456.1*	*3713.8*	*5464.9*	*5220.1*	*4726.6*	*4593.1*	*3847.3*	*2482.0*
80°	337.6	348.7	437.8	879.3	2133.3	*4303.7*	4311.1	3910.4	3454.1	2248.3	1120.4
82.5°	189.2	192.9	252.3	382.1	875.6	*2726.9*	2838.2	2348.5	1528.5	831.1	560.2
85°	100.2	103.9	129.9	200.3	445.2	*1087.0*	1153.8	897.8	738.3	541.7	411.8
87.5°	48.2	48.2	44.5	66.8	163.2	*263.4*	293.1	333.9	296.8	278.3	341.3
90°	40.8	40.8	33.4	37.1	89.0	*189.2*	230.0	256.0	233.7	256.0	374.7
92.5°	44.5	44.5	33.4	37.1	96.5	*211.5*	252.3	285.7	248.6	274.5	415.5
95°	40.8	44.5	29.7	33.4	96.5	*259.7*	304.2	311.6	256.0	300.5	445.2
97.5°	33.4	33.4	22.3	26.0	85.3	*304.2*	333.9	322.8	226.3	230.0	356.2
100°	26.0	26.0	14.8	22.3	59.4	*244.9*	285.7	270.8	148.4	37.1	89.0
102.5°	22.3	22.3	11.1	18.6	26.0	*118.7*	152.1	148.4	89.0	22.3	18.6
105°	22.3	22.3	11.1	14.8	14.8	*33.4*	51.9	66.8	37.1	11.1	18.6
107.5°	22.3	22.3	11.1	7.4	7.4	*14.8*	18.6	18.6	18.6	11.1	22.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	22.3	22.3	7.4	7.4	3.7	7.4	7.4	7.4	7.4	11.1	22.3
115°	18.6	18.6	3.7	7.4	3.7	3.7	7.4	3.7	7.4	7.4	18.6
117.5°	18.6	14.8	3.7	3.7	3.7	3.7	3.7	3.7	7.4	11.1	22.3
120°	18.6	18.6	7.4	3.7	3.7	3.7	3.7	3.7	7.4	14.8	26.0
122.5°	18.6	18.6	7.4	3.7	0.0	3.7	3.7	3.7	7.4	14.8	29.7
125°	22.3	18.6	7.4	3.7	0.0	0.0	3.7	3.7	3.7	14.8	26.0
127.5°	18.6	14.8	7.4	3.7	0.0	0.0	3.7	3.7	3.7	11.1	22.3
130°	18.6	14.8	7.4	0.0	0.0	0.0	3.7	3.7	3.7	11.1	18.6
132.5°	14.8	11.1	7.4	0.0	0.0	0.0	3.7	3.7	3.7	7.4	14.8
135°	11.1	11.1	3.7	0.0	3.7	0.0	3.7	3.7	3.7	3.7	11.1
137.5°	7.4	7.4	3.7	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
140°	3.7	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
142.5°	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7
145°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	3.7	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
150°	11.1	11.1	11.1	7.4	3.7	3.7	3.7	7.4	3.7	3.7	3.7
152.5°	11.1	11.1	11.1	7.4	0.0	0.0	3.7	3.7	7.4	3.7	3.7
155°	7.4	7.4	7.4	0.0	0.0	0.0	3.7	3.7	3.7	7.4	7.4
157.5°	3.7	3.7	3.7	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1024.0	1024.0	1024.0	1024.0	1024.0	1024.0	1024.0	1024.0	1024.0	1024.0	1024.0
2.5°	1020.3	1016.6	1012.8	1009.1	1001.7	994.3	975.7	897.8	897.8	901.5	901.5
5°	1001.7	998.0	986.9	916.4	875.6	853.3	860.7	860.7	860.7	864.4	871.9
7.5°	875.6	871.9	819.9	816.2	831.1	849.6	860.7	842.2	805.1	805.1	805.1
10°	764.3	760.6	667.8	649.3	667.8	712.3	827.3	849.6	864.4	868.2	875.6
12.5°	667.8	656.7	575.1	634.4	593.6	667.8	771.7	857.0	779.1	764.3	764.3
15°	742.0	738.3	641.8	556.5	560.2	667.8	612.2	805.1	849.6	857.0	860.7
17.5°	649.3	641.8	589.9	586.2	619.6	538.0	678.9	768.0	730.9	742.0	742.0
20°	775.4	771.7	675.2	560.2	552.8	656.7	601.0	697.5	831.1	857.0	860.7
22.5°	601.0	601.0	619.6	656.7	597.3	627.0	641.8	738.3	712.3	727.2	771.7
25°	853.3	845.9	749.4	589.9	641.8	604.7	671.5	701.2	823.6	853.3	860.7
27.5°	1035.1	1016.6	805.1	664.1	578.8	649.3	645.6	678.9	697.5	812.5	827.3
30°	1220.6	1202.1	1035.1	745.7	601.0	560.2	615.9	727.2	838.5	857.0	871.9
32.5°	1287.4	1272.6	1057.4	790.2	604.7	597.3	612.2	727.2	920.1	994.3	1009.1
35°	1357.9	1339.3	1079.6	771.7	589.9	556.5	578.8	749.4	916.4	964.6	975.7
37.5°	1443.2	1409.8	1105.6	734.6	549.1	526.8	552.8	682.7	871.9	920.1	927.5
40°	1550.8	1517.4	1139.0	693.8	508.3	489.7	504.6	634.4	764.3	805.1	823.6
42.5°	1714.0	1651.0	1153.8	660.4	471.2	452.6	467.5	571.3	671.5	697.5	708.6
45°	1925.5	1814.2	1176.1	615.9	437.8	411.8	434.1	523.1	571.3	571.3	571.3
47.5°	2185.2	2007.1	1187.2	578.8	397.0	374.7	397.0	474.9	500.9	486.0	482.3
50°	2504.3	2252.0	1242.9	534.2	363.6	345.0	382.1	419.2	430.4	437.8	437.8
52.5°	2879.0	2534.0	1276.3	489.7	341.3	330.2	367.3	393.3	397.0	404.4	404.4
55°	3287.1	2841.9	1294.8	448.9	326.5	311.6	352.5	378.4	378.4	385.8	385.8
57.5°	3710.1	3198.1	1343.0	419.2	311.6	296.8	337.6	382.1	367.3	382.1	385.8
60°	4155.3	3528.3	1302.2	389.6	289.4	285.7	341.3	408.1	404.4	422.9	426.7
62.5°	4574.5	3791.7	1120.4	363.6	274.5	289.4	382.1	460.0	448.9	478.6	478.6
65°	4812.0	3880.7	823.6	348.7	263.4	311.6	422.9	512.0	474.9	489.7	482.3
67.5°	4863.9	3791.7	593.6	330.2	259.7	348.7	452.6	523.1	471.2	486.0	486.0
70°	4741.5	3583.9	478.6	315.4	256.0	352.5	460.0	523.1	474.9	508.3	500.9
72.5°	4188.7	3049.7	408.1	300.5	256.0	345.0	471.2	526.8	486.0	541.7	530.5
75°	3157.3	2281.7	359.9	285.7	241.2	333.9	478.6	530.5	471.2	530.5	523.1
77.5°	*1877.3*	*1302.2*	*319.1*	*267.1*	*222.6*	*322.8*	*471.2*	*530.5*	*460.0*	*523.1*	*515.7*
80°	794.0	612.2	270.8	233.7	204.1	307.9	463.8	526.8	441.5	508.3	497.1
82.5°	500.9	415.5	230.0	192.9	200.3	304.2	467.5	519.4	434.1	512.0	474.9
85°	404.4	341.3	196.6	163.2	185.5	311.6	448.9	471.2	374.7	441.5	430.4
87.5°	341.3	285.7	89.0	70.5	137.3	241.2	341.3	352.5	270.8	345.0	330.2
90°	374.7	311.6	85.3	59.4	122.4	211.5	315.4	307.9	259.7	330.2	326.5
92.5°	408.1	330.2	81.6	63.1	137.3	230.0	345.0	311.6	274.5	333.9	330.2
95°	422.9	337.6	77.9	66.8	163.2	252.3	367.3	304.2	289.4	307.9	304.2
97.5°	319.1	244.9	74.2	70.5	170.7	285.7	345.0	256.0	189.2	189.2	185.5
100°	81.6	81.6	66.8	66.8	115.0	207.8	263.4	189.2	107.6	81.6	85.3
102.5°	22.3	26.0	59.4	63.1	63.1	92.8	148.4	122.4	70.5	11.1	11.1
105°	22.3	22.3	40.8	48.2	33.4	29.7	59.4	66.8	51.9	7.4	11.1
107.5°	22.3	22.3	18.6	26.0	11.1	14.8	14.8	18.6	18.6	7.4	7.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.0	22.3	11.1	7.4	7.4	7.4	7.4	7.4	7.4	18.6	18.6
115°	22.3	18.6	11.1	7.4	7.4	7.4	7.4	3.7	7.4	22.3	22.3
117.5°	26.0	22.3	11.1	7.4	3.7	7.4	7.4	3.7	7.4	26.0	26.0
120°	29.7	26.0	11.1	7.4	3.7	3.7	3.7	3.7	11.1	26.0	26.0
122.5°	29.7	29.7	14.8	3.7	3.7	3.7	3.7	3.7	11.1	26.0	26.0
125°	29.7	26.0	11.1	3.7	3.7	3.7	0.0	3.7	11.1	26.0	29.7
127.5°	22.3	22.3	11.1	3.7	3.7	3.7	0.0	3.7	11.1	22.3	26.0
130°	18.6	18.6	7.4	3.7	3.7	3.7	0.0	3.7	11.1	22.3	22.3
132.5°	14.8	14.8	7.4	3.7	3.7	0.0	0.0	0.0	11.1	18.6	18.6
135°	11.1	11.1	3.7	3.7	3.7	0.0	0.0	0.0	7.4	14.8	14.8
137.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	7.4	7.4
140°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
142.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
145°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	3.7
147.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
150°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	3.7	7.4	3.7	7.4
152.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	3.7	7.4	7.4	7.4
155°	7.4	7.4	7.4	3.7	3.7	0.0	0.0	0.0	3.7	7.4	7.4
157.5°	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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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110°	26.0	26.0	7.4	7.4	7.4	*7.4*	7.4	7.4	7.4	11.1	22.3

110°	26.0	22.3	11.1	11.1	7.4	7.4	7.4	7.4	7.4	14.8	14.8

(END OF REPORT)