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: P560412

Luminaire Tested: **SDL-PA1-40-750-U-T3-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:	P560412
	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-PA1-40-750-U-T3-HSS
Description:	Springdale
	(1) 70 CRI, 5000K, 500mA 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:	3676.2 lumens
Efficiency:	N/A
Efficacy:	93.3 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:	B0 - U0 - G1

Input Watts (W):	39.4
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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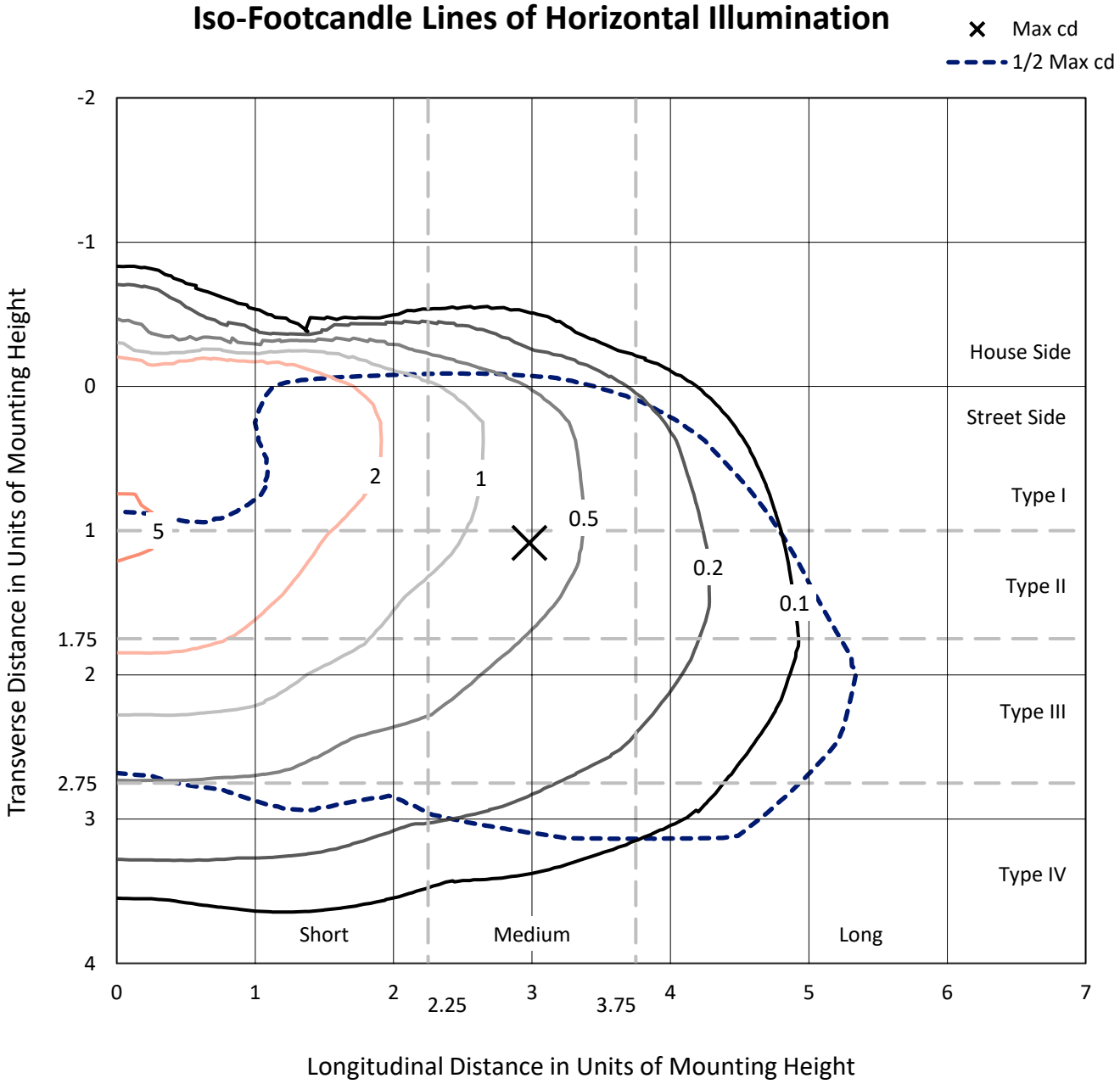
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
Type IV - Medium - N/A

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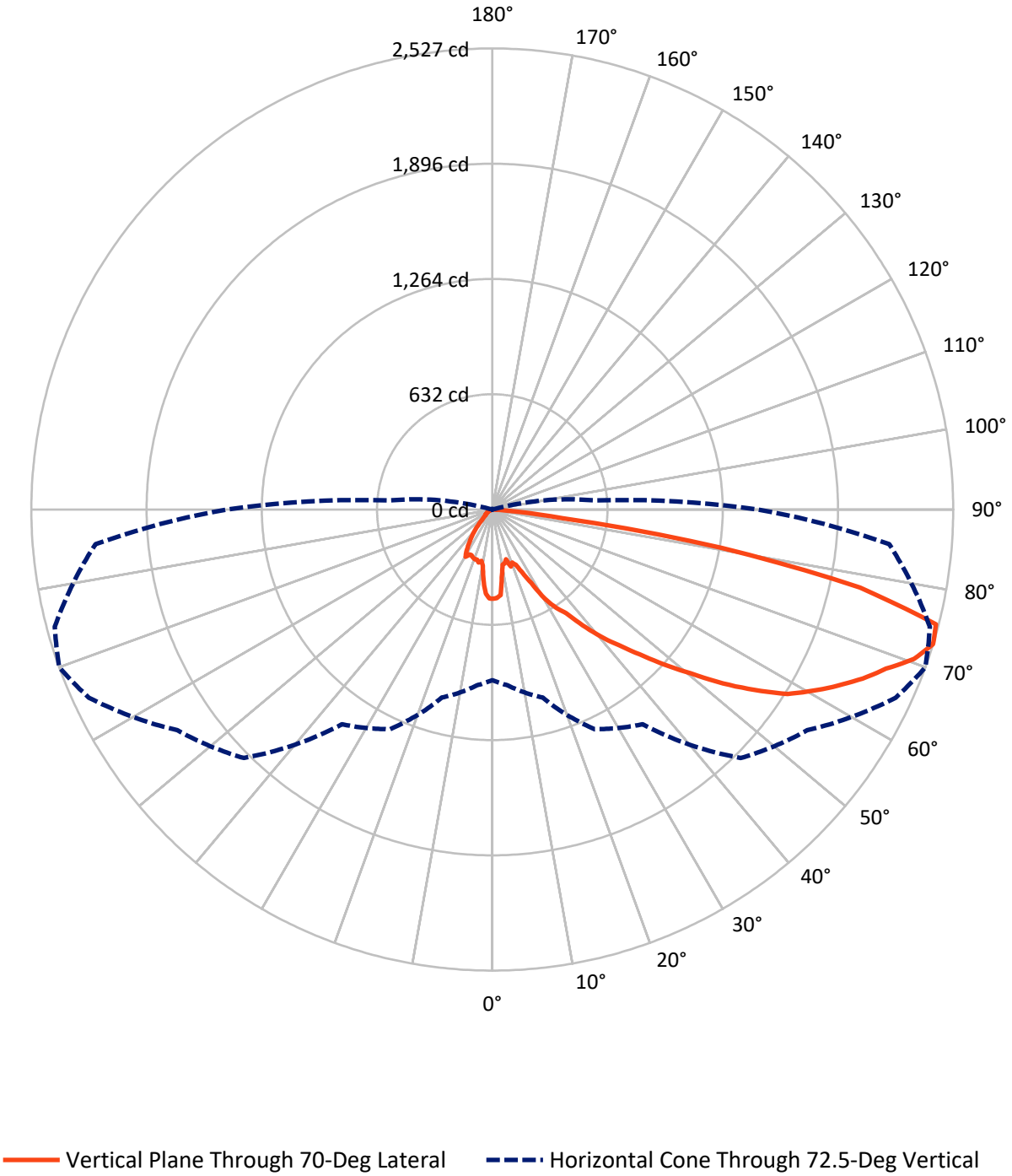
Luminous Intensity Polar Plot



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REPORT NUMBER: P560412
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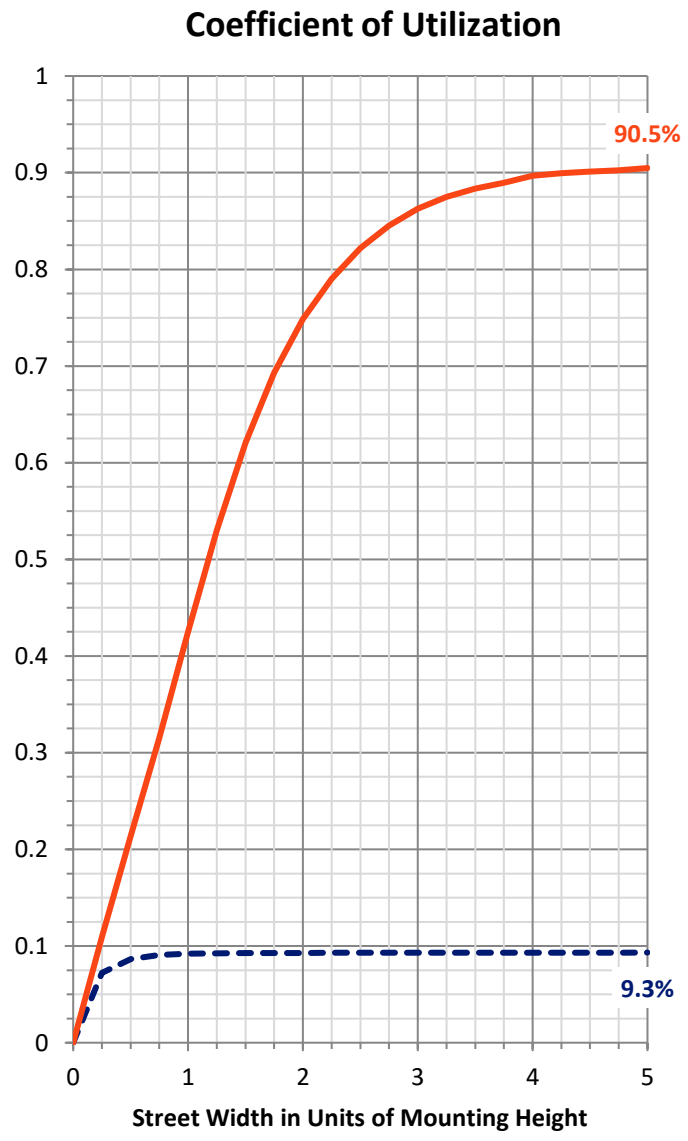
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	346.6	0.0	346.6
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	3329.7	0.0	3329.7
	% Fixture	90.6	0.0	90.6
Total	Lumens	3676.2	0.0	3676.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	1.0
10°-20°	75.3	2.0
20°-30°	122.7	3.3
30°-40°	261.7	7.1
40°-50°	504.3	13.7
50°-60°	834.0	22.7
60°-70°	1020.9	27.8
70°-80°	747.9	20.3
80°-90°	71.8	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°	3676.2	100.0
0°-180°	3676.2	100.0



REPORT NUMBER: P560412
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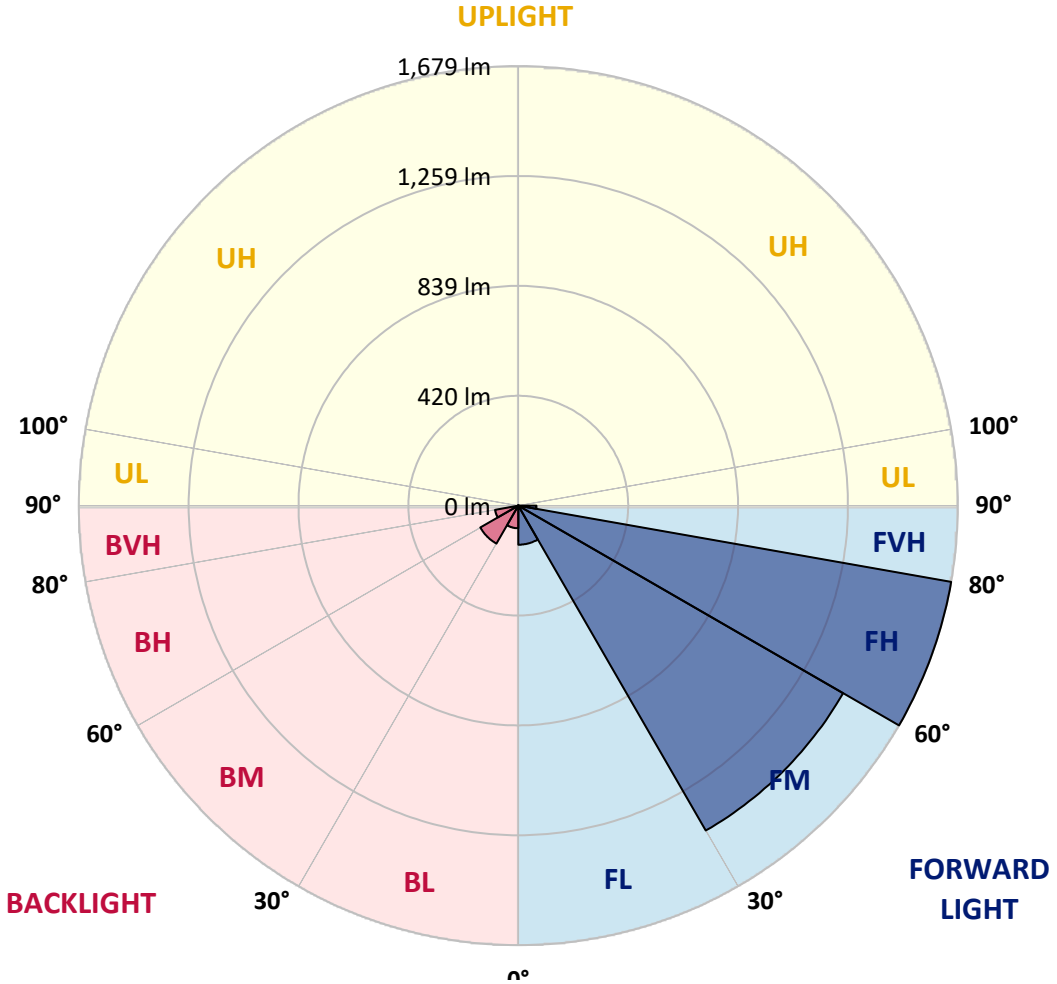
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	149.3	4.1			
FM	(30°-60°)	1432.5	39.0			
FH	(60°-80°)	1678.6	45.7			G1/1800
FVH	(80°-90°)	69.3	1.9			G1/100
BL	(0°-30°)	86.3	2.3	B0/110		
BM	(30°-60°)	167.5	4.6	B0/220		
BH	(60°-80°)	90.3	2.5	B0/110		G0/110
BVH	(80°-90°)	2.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type IV Medium



REPORT NUMBER: P560412
CATALOG NUMBER: SDL-PA1-40-750-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2
2.5°	435.1	447.7	454.9	462.1	460.3	458.5	462.1	465.8	473.0	478.4	482.0
5°	391.7	391.7	391.7	391.7	393.5	393.5	393.5	393.5	395.4	397.2	399.0
7.5°	339.4	346.6	350.2	353.8	362.9	370.1	377.3	384.5	388.1	389.9	391.7
10°	368.3	368.3	368.3	368.3	370.1	370.1	346.6	321.3	323.1	324.9	314.1
12.5°	305.1	303.3	323.1	341.2	353.8	364.7	352.0	337.6	315.9	292.5	288.8
15°	359.2	359.2	359.2	359.2	334.0	308.7	290.6	272.6	287.0	299.7	270.8
17.5°	283.4	290.6	312.3	334.0	334.0	334.0	317.7	301.5	270.8	238.3	272.6
20°	352.0	352.0	352.0	350.2	308.7	267.2	281.6	294.3	306.9	319.5	314.1
22.5°	292.5	288.8	294.3	299.7	312.3	323.1	287.0	249.1	290.6	330.4	310.5
25°	370.1	370.1	371.9	371.9	332.2	292.5	315.9	337.6	306.9	276.2	324.9
27.5°	334.0	323.1	321.3	317.7	330.4	341.2	324.9	308.7	343.0	377.3	361.1
30°	464.0	464.0	451.3	438.7	389.9	339.4	344.8	348.4	348.4	348.4	384.5
32.5°	644.5	646.3	597.5	547.0	503.7	458.5	418.8	377.3	399.0	420.6	444.1
35°	868.3	873.7	839.4	803.3	696.8	590.3	523.5	456.7	454.9	451.3	485.6
37.5°	1029.0	1039.8	1012.8	985.7	859.3	732.9	637.3	541.6	532.6	521.7	534.4
40°	1180.6	1173.4	1157.2	1139.1	1005.5	870.1	765.4	658.9	635.5	610.2	612.0
42.5°	1377.4	1355.8	1314.2	1272.7	1144.5	1016.4	904.4	792.5	754.6	716.7	709.5
45°	1632.0	1595.9	1536.3	1474.9	1348.5	1222.2	1085.0	946.0	899.0	850.3	839.4
47.5°	1761.9	1736.7	1698.8	1659.0	1529.1	1399.1	1267.3	1133.7	1068.7	1001.9	983.9
50°	1915.4	1882.9	1857.6	1830.5	1718.6	1604.9	1482.1	1357.6	1270.9	1184.3	1153.6
52.5°	2061.6	2007.5	1984.0	1958.7	1870.3	1780.0	1651.8	1523.6	1467.7	1409.9	1335.9
55°	2114.0	2061.6	2050.8	2040.0	1976.8	1913.6	1796.2	1678.9	1613.9	1547.1	1487.5
57.5°	2000.2	2007.5	2040.0	2072.4	2036.3	2000.2	1904.6	1807.1	1734.9	1662.7	1628.4
60°	1922.6	1938.9	1987.6	2036.3	2036.3	2036.3	1984.0	1931.6	1863.0	1794.4	1771.0
62.5°	1798.0	1817.9	1891.9	1965.9	2012.9	2059.8	2003.8	1947.9	1924.4	1899.1	1877.5
65°	1633.8	1639.2	1722.2	1805.3	1902.8	1998.4	1946.1	1891.9	1937.1	1982.2	1960.5
67.5°	1444.2	1453.2	1530.9	1606.7	1722.2	1837.8	1823.3	1807.1	1906.4	2005.7	2003.8
70°	1218.6	1234.8	1301.6	1366.6	1496.6	1624.7	1639.2	1653.6	1825.1	1994.8	2027.3
72.5°	*935.1*	*967.6*	*1018.2*	*1066.9*	*1198.7*	*1328.7*	*1382.8*	*1437.0*	*1682.5*	*1926.2*	*2018.3*
75°	310.5	332.2	473.0	612.0	745.6	879.2	998.3	1115.7	1422.5	1727.6	1919.0
77.5°	90.3	93.9	121.0	146.2	250.9	353.8	476.6	597.5	897.2	1195.1	1512.8
80°	46.9	48.7	54.2	59.6	86.7	113.7	164.3	213.0	350.2	487.4	821.4
82.5°	32.5	32.5	37.9	41.5	52.4	63.2	90.3	117.3	128.2	139.0	330.4
85°	10.8	10.8	14.4	18.1	25.3	32.5	48.7	63.2	63.2	61.4	88.5
87.5°	1.8	1.8	3.6	5.4	9.0	10.8	9.0	7.2	5.4	3.6	7.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	489.2	489.2	489.2	*489.2*	489.2	489.2	489.2	489.2	489.2	489.2	489.2
2.5°	483.8	485.6	485.6	*485.6*	487.4	487.4	487.4	487.4	485.6	487.4	487.4
5°	399.0	431.5	462.1	*471.2*	476.6	478.4	478.4	478.4	476.6	476.6	476.6
7.5°	393.5	391.7	389.9	*375.5*	409.8	417.0	422.4	420.6	420.6	411.6	400.8
10°	303.3	303.3	303.3	*306.9*	326.8	350.2	373.7	373.7	373.7	346.6	319.5
12.5°	283.4	294.3	303.3	*303.3*	270.8	297.9	324.9	324.9	324.9	297.9	269.0
15°	241.9	254.5	265.4	*283.4*	337.6	370.1	402.6	402.6	400.8	370.1	337.6
17.5°	305.1	301.5	296.1	*328.6*	308.7	314.1	319.5	303.3	326.8	317.7	308.7
20°	308.7	276.2	241.9	*310.5*	380.9	411.6	442.3	444.1	438.7	404.4	368.3
22.5°	290.6	332.2	371.9	*328.6*	339.4	332.2	323.1	319.5	319.5	317.7	315.9
25°	371.9	332.2	292.5	*384.5*	449.5	471.2	492.8	487.4	480.2	431.5	382.7
27.5°	343.0	382.7	420.6	*456.7*	489.2	509.1	528.9	584.9	509.1	453.1	395.4
30°	418.8	467.6	514.5	*566.9*	666.1	695.0	723.9	709.5	691.4	583.1	474.8
32.5°	465.8	543.4	619.2	*642.7*	702.2	729.3	754.6	742.0	720.3	577.7	435.1
35°	518.1	590.3	660.7	*698.6*	770.8	792.5	812.4	792.5	769.0	572.3	375.5
37.5°	547.0	644.5	740.2	*805.1*	866.5	871.9	875.6	857.5	826.8	572.3	317.7
40°	613.8	718.5	821.4	*915.3*	964.0	965.8	967.6	938.7	882.8	566.9	249.1
42.5°	702.2	808.8	913.5	*1016.4*	1081.4	1075.9	1068.7	1029.0	936.9	557.8	178.7
45°	828.6	922.5	1016.4	*1131.9*	1211.3	1196.9	1180.6	1121.1	974.8	548.8	121.0
47.5°	964.0	1038.0	1110.2	*1269.1*	1370.2	1339.5	1307.0	1220.4	1001.9	545.2	86.7
50°	1121.1	1180.6	1240.2	*1413.5*	1534.5	1476.7	1418.9	1319.6	1012.8	541.6	68.6
52.5°	1260.1	1321.5	1381.0	*1583.2*	1675.3	1610.3	1545.3	1397.3	1007.3	534.4	59.6
55°	1426.2	1480.3	1534.5	*1745.7*	1819.7	1733.1	1644.6	1453.2	980.3	518.1	54.2
57.5°	1592.2	1648.2	1702.4	*1908.2*	1929.8	1845.0	1758.3	1507.4	953.2	501.9	48.7
60°	1747.5	1810.7	1873.9	*2018.3*	2034.5	1958.7	1882.9	1559.8	909.9	476.6	43.3
62.5°	1855.8	1942.5	2029.1	*2126.6*	2133.8	2065.2	1994.8	1599.5	853.9	447.7	39.7
65°	1937.1	2056.2	2173.5	*2233.1*	2229.5	2180.8	2132.0	1633.8	808.8	420.6	32.5
67.5°	2000.2	2144.7	2289.1	*2328.8*	2337.8	2292.7	2247.6	1639.2	752.8	389.9	25.3
70°	2059.8	2218.7	2377.5	*2453.4*	2435.3	2364.9	2294.5	1597.7	677.0	348.4	18.1
72.5°	*2108.6*	*2274.6*	*2440.7*	*2527.4*	*2484.0*	*2334.2*	*2184.4*	*1456.8*	*566.9*	*290.6*	*12.6*
75°	2108.6	2274.6	2438.9	*2512.9*	2364.9	2067.0	1767.4	1085.0	332.2	171.5	10.8
77.5°	1830.5	1951.5	2072.4	*2061.6*	1801.7	1431.6	1059.7	624.6	111.9	61.4	9.0
80°	1155.4	1234.8	1314.2	*1274.5*	920.7	660.7	399.0	209.4	39.7	23.5	7.2
82.5°	521.7	512.7	503.7	*388.1*	180.5	121.0	59.6	36.1	10.8	7.2	3.6
85°	115.5	111.9	108.3	*79.4*	54.2	36.1	18.1	10.8	5.4	5.4	3.6
87.5°	10.8	12.6	12.6	*9.0*	9.0	7.2	3.6	3.6	3.6	3.6	3.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2
2.5°	487.4	487.4	487.4	485.6	485.6	485.6	473.0	458.5	449.5	438.7	433.3
5°	460.3	444.1	424.2	404.4	400.8	395.4	397.2	397.2	399.0	399.0	399.0
7.5°	391.7	382.7	386.3	389.9	389.9	389.9	389.9	388.1	386.3	384.5	366.5
10°	312.3	305.1	305.1	305.1	310.5	314.1	305.1	294.3	310.5	324.9	321.3
12.5°	287.0	305.1	281.6	256.3	260.0	261.8	261.8	260.0	252.7	245.5	220.2
15°	299.7	261.8	240.1	216.6	216.6	216.6	175.1	133.6	124.6	115.5	117.3
17.5°	287.0	265.4	240.1	213.0	160.7	106.5	101.1	93.9	93.9	93.9	95.7
20°	288.8	209.4	176.9	144.4	115.5	84.8	79.4	72.2	68.6	63.2	74.0
22.5°	283.4	249.1	169.7	90.3	79.4	68.6	63.2	56.0	65.0	74.0	74.0
25°	274.4	164.3	122.8	79.4	66.8	54.2	61.4	66.8	63.2	57.8	66.8
27.5°	276.2	155.3	106.5	57.8	61.4	63.2	59.6	54.2	59.6	63.2	59.6
30°	297.9	121.0	90.3	57.8	56.0	52.4	54.2	56.0	54.2	50.5	54.2
32.5°	265.4	95.7	75.8	54.2	52.4	50.5	48.7	46.9	48.7	48.7	48.7
35°	223.9	72.2	61.4	50.5	46.9	43.3	43.3	41.5	41.5	41.5	41.5
37.5°	189.6	61.4	54.2	45.1	41.5	37.9	36.1	32.5	32.5	30.7	30.7
40°	153.4	56.0	48.7	39.7	36.1	30.7	28.9	25.3	25.3	23.5	23.5
42.5°	115.5	50.5	43.3	34.3	30.7	25.3	21.7	18.1	18.1	16.2	16.2
45°	83.0	45.1	37.9	28.9	25.3	19.9	16.2	12.6	12.6	10.8	10.8
47.5°	65.0	41.5	34.3	25.3	19.9	14.4	12.6	9.0	9.0	9.0	9.0
50°	52.4	36.1	28.9	19.9	14.4	9.0	7.2	5.4	5.4	5.4	5.4
52.5°	46.9	32.5	25.3	16.2	12.6	7.2	5.4	3.6	5.4	5.4	5.4
55°	41.5	28.9	21.7	12.6	9.0	5.4	5.4	3.6	5.4	5.4	5.4
57.5°	37.9	25.3	18.1	9.0	7.2	3.6	3.6	1.8	3.6	3.6	3.6
60°	32.5	21.7	14.4	7.2	5.4	1.8	1.8	1.8	3.6	3.6	3.6
62.5°	28.9	18.1	12.6	5.4	3.6	1.8	1.8	1.8	3.6	3.6	3.6
65°	23.5	12.6	9.0	3.6	3.6	1.8	1.8	1.8	3.6	3.6	3.6
67.5°	18.1	9.0	7.2	3.6	3.6	1.8	1.8	1.8	3.6	3.6	1.8
70°	12.6	7.2	5.4	1.8	1.8	1.8	1.8	1.8	3.6	3.6	1.8
72.5°	*9.0*	*5.4*	*3.6*	*1.8*	*1.8*	*0.0*	*1.8*	*1.8*	*3.6*	*3.6*	*3.6*
75°	9.0	5.4	3.6	1.8	1.8	0.0	1.8	3.6	3.6	3.6	3.6
77.5°	7.2	3.6	3.6	1.8	1.8	0.0	1.8	3.6	3.6	3.6	3.6
80°	5.4	3.6	3.6	1.8	1.8	0.0	3.6	5.4	5.4	5.4	3.6
82.5°	3.6	3.6	3.6	1.8	1.8	0.0	3.6	5.4	5.4	5.4	3.6
85°	3.6	3.6	3.6	3.6	1.8	0.0	3.6	5.4	5.4	5.4	5.4
87.5°	3.6	3.6	3.6	3.6	3.6	1.8	5.4	7.2	7.2	5.4	5.4
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):

	165°	170°	175°	180°
0°	489.2	489.2	489.2	489.2
2.5°	426.0	426.0	424.2	429.7
5°	399.0	399.0	399.0	400.8
7.5°	346.6	334.0	321.3	323.1
10°	315.9	312.3	306.9	310.5
12.5°	195.0	184.1	171.5	166.1
15°	119.1	119.1	119.1	117.3
17.5°	97.5	90.3	81.2	83.0
20°	84.8	86.7	88.5	88.5
22.5°	74.0	70.4	66.8	66.8
25°	74.0	74.0	74.0	74.0
27.5°	56.0	56.0	54.2	54.2
30°	57.8	57.8	56.0	54.2
32.5°	46.9	46.9	46.9	46.9
35°	39.7	37.9	36.1	36.1
37.5°	30.7	28.9	27.1	27.1
40°	21.7	21.7	19.9	19.9
42.5°	16.2	16.2	14.4	14.4
45°	10.8	10.8	10.8	10.8
47.5°	7.2	7.2	7.2	7.2
50°	5.4	5.4	5.4	5.4
52.5°	5.4	5.4	3.6	3.6
55°	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6
60°	3.6	3.6	1.8	1.8
62.5°	1.8	1.8	1.8	1.8
65°	1.8	1.8	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°	*1.8*	*1.8*	*0.0*	*0.0*
75°	1.8	1.8	0.0	0.0
77.5°	1.8	1.8	0.0	0.0
80°	1.8	1.8	0.0	0.0
82.5°	1.8	1.8	1.8	0.0
85°	3.6	3.6	1.8	0.0
87.5°	3.6	3.6	1.8	0.0
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)