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: P560416

Luminaire Tested: **SDL-PA1-40-750-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:	P560416
	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-PA1-40-750-U-T4W-HSS
Description:	Springdale
	(1) 70 CRI, 5000K, 500mA 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:	3591.7 lumens
Efficiency:	N/A
Efficacy:	91.2 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:	B0 - U0 - G2

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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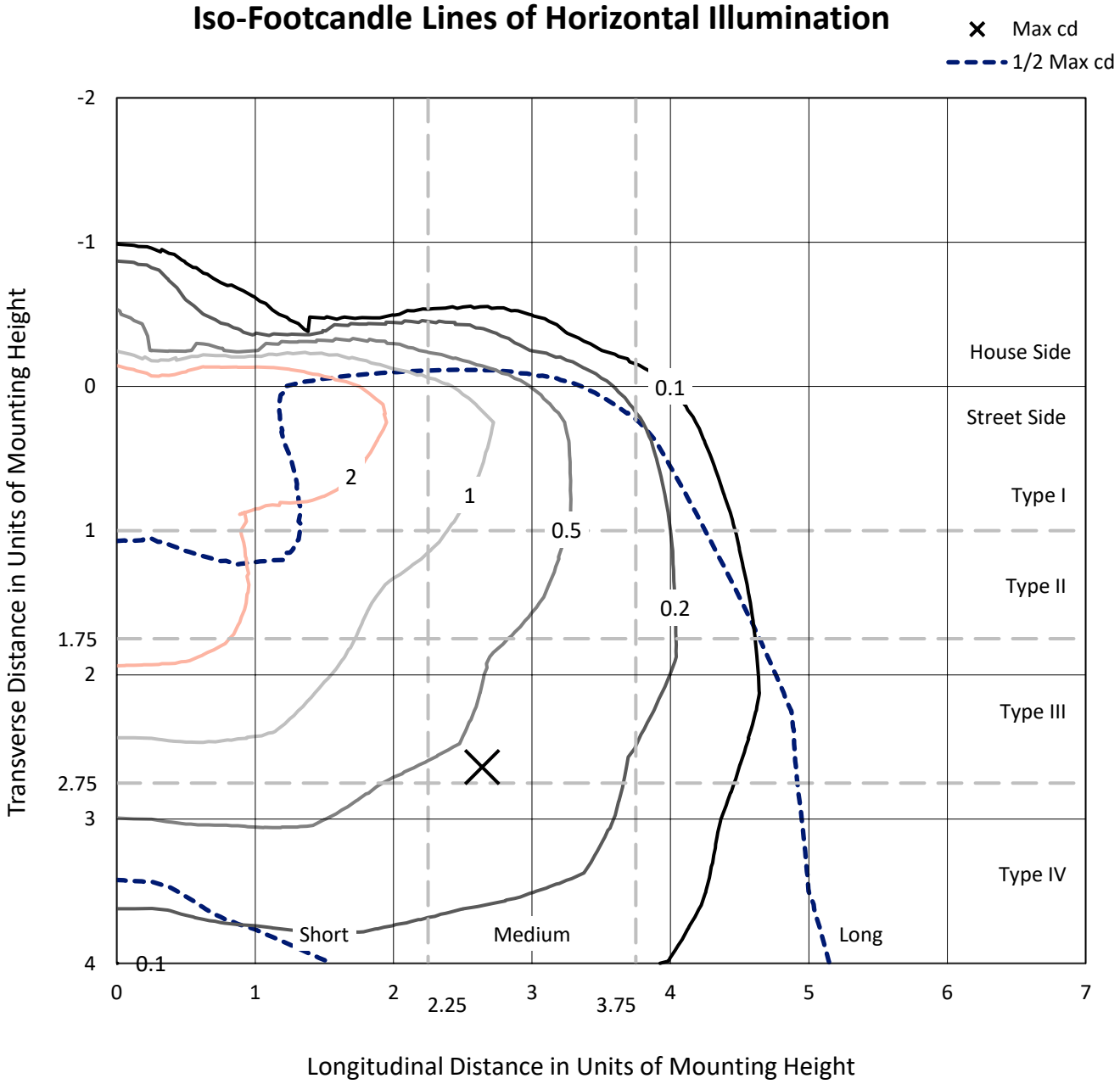
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
Type IV - Medium - N/A

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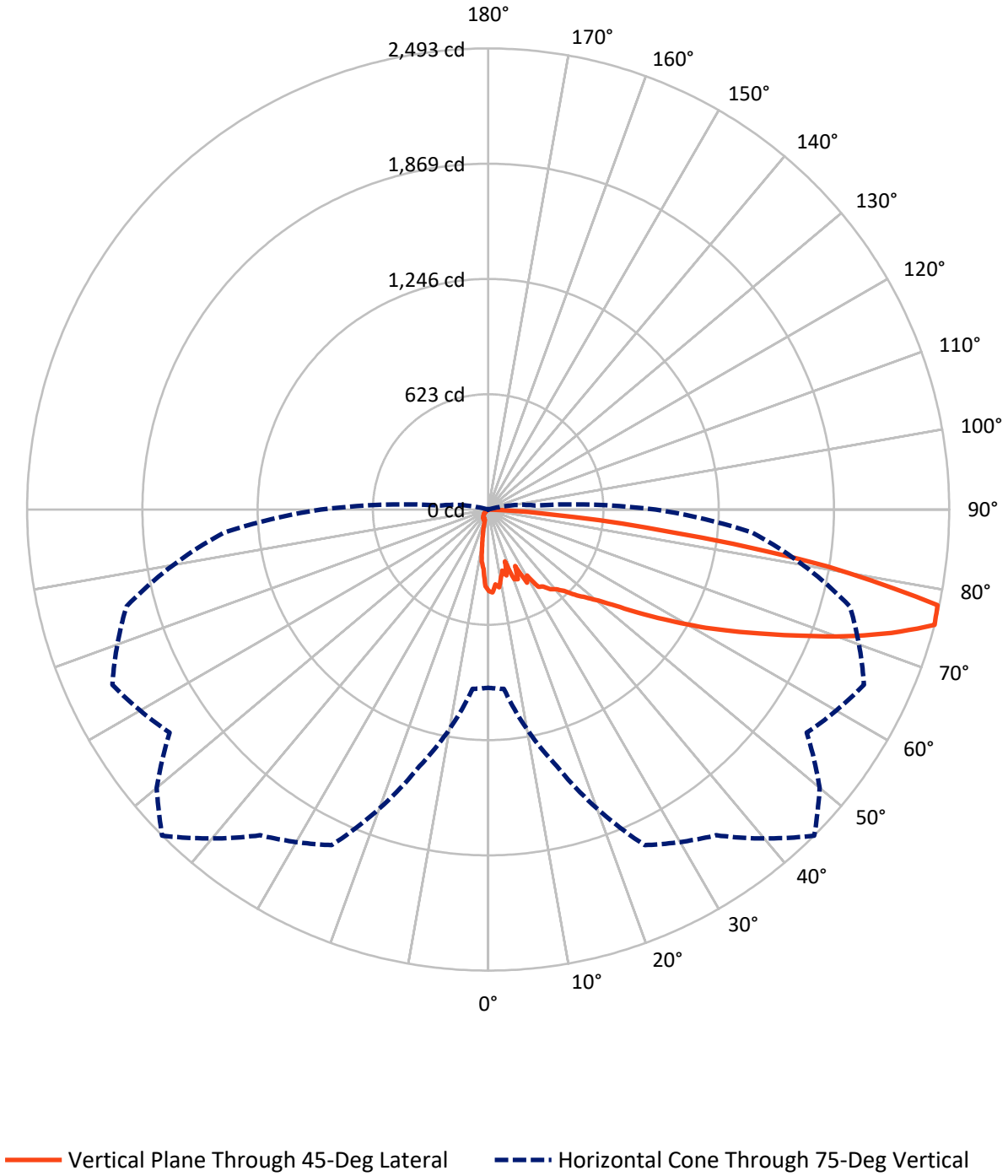
Luminous Intensity Polar Plot



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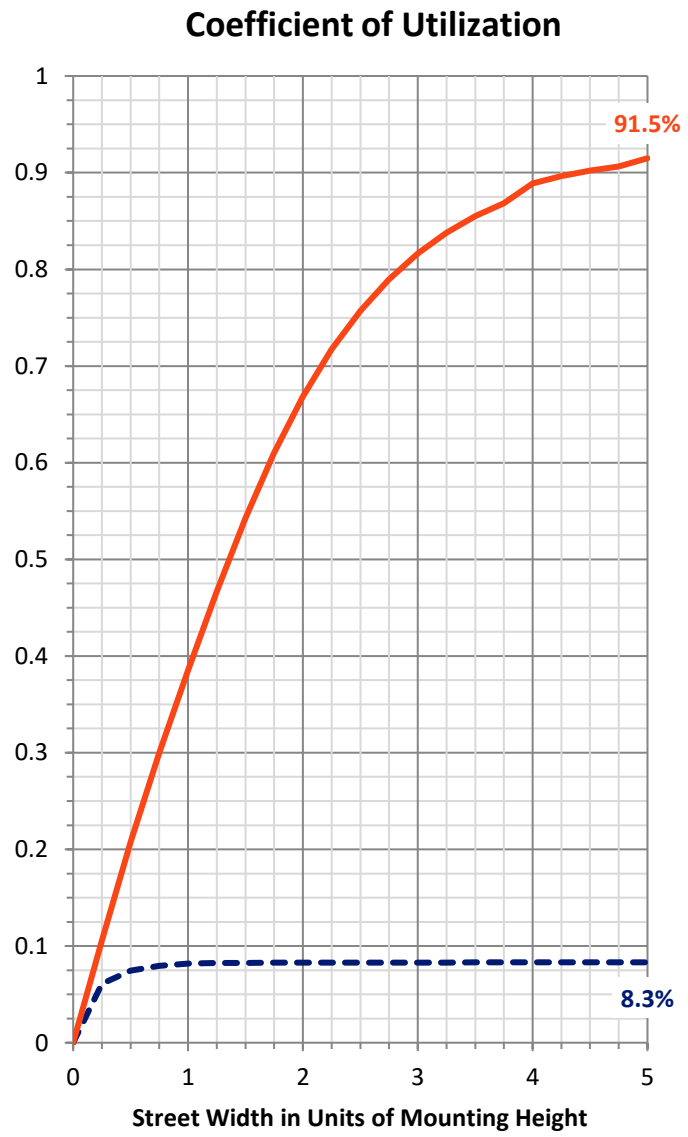
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	301.5	0.0	301.5
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	3290.1	0.0	3290.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	3591.7	0.0	3591.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	1.0
10°-20°	75.2	2.1
20°-30°	127.1	3.5
30°-40°	234.1	6.5
40°-50°	384.2	10.7
50°-60°	683.8	19.0
60°-70°	1023.1	28.5
70°-80°	910.9	25.4
80°-90°	119.0	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°	3591.7	100.0
0°-180°	3591.7	100.0



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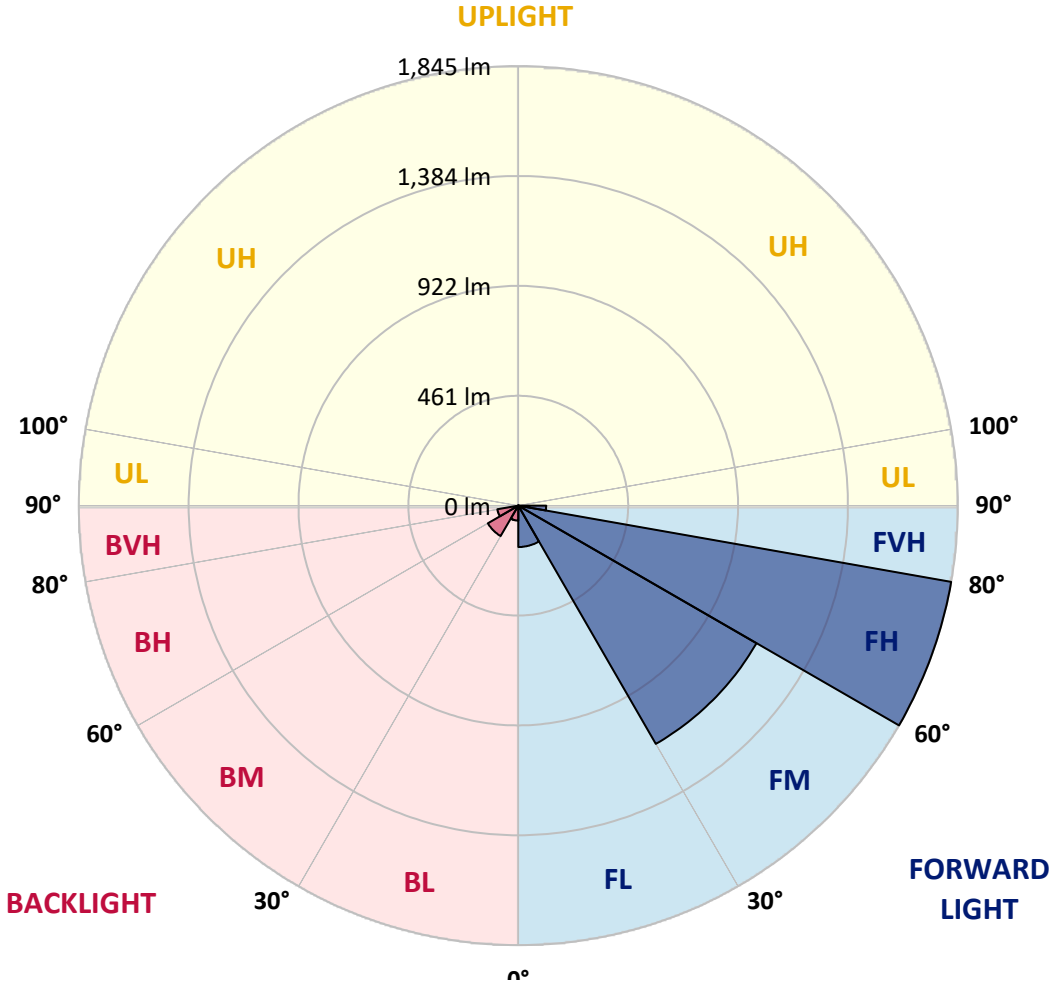
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	173.6	4.8			
FM	(30°-60°)	1154.6	32.1			
FH	(60°-80°)	1844.8	51.4			G2/5000
FVH	(80°-90°)	117.2	3.3			G2/225
BL	(0°-30°)	62.9	1.8	B0/110		
BM	(30°-60°)	147.5	4.1	B0/220		
BH	(60°-80°)	89.3	2.5	B0/110		G0/110
BVH	(80°-90°)	1.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	*440.4*	440.4
2.5°	409.7	440.4	444.0	445.8	449.4	451.2	451.2	451.2	451.2	*449.4*	449.4
5°	433.2	431.4	429.6	427.8	425.9	422.3	418.7	413.3	409.7	*406.1*	402.5
7.5°	424.1	425.9	431.4	435.0	433.2	431.4	435.0	436.8	431.4	*424.1*	416.9
10°	494.5	490.9	487.3	483.7	478.3	472.9	429.6	386.2	382.6	*377.2*	373.6
12.5°	433.2	487.3	487.3	487.3	487.3	487.3	458.4	429.6	384.4	*339.3*	287.0
15°	541.5	539.7	532.4	525.2	476.5	425.9	398.9	371.8	371.8	*370.0*	348.3
17.5°	449.4	449.4	485.5	519.8	499.9	480.1	442.2	404.3	350.1	*294.2*	315.9
20°	568.5	568.5	561.3	554.1	471.1	388.0	391.7	395.3	398.9	*402.5*	333.9
22.5°	467.5	463.9	460.2	456.6	465.7	474.7	400.7	324.9	368.2	*409.7*	319.5
25°	570.3	575.8	572.1	566.7	492.7	418.7	435.0	449.4	393.5	*337.5*	391.7
27.5°	489.1	483.7	476.5	467.5	472.9	478.3	444.0	407.9	427.8	*447.6*	359.2
30°	599.2	601.0	597.4	593.8	523.4	453.0	451.2	447.6	431.4	*413.3*	404.3
32.5°	741.8	727.4	676.8	626.3	583.0	539.7	505.4	471.1	485.5	*498.1*	449.4
35°	810.4	783.3	761.7	738.2	666.0	592.0	550.5	507.2	509.0	*510.8*	490.9
37.5°	877.2	837.5	810.4	783.3	696.7	610.0	564.9	519.8	534.2	*546.9*	525.2
40°	900.6	879.0	862.7	846.5	754.4	660.6	608.2	554.1	561.3	*566.7*	559.5
42.5°	960.2	956.6	947.6	936.7	826.6	714.7	651.6	588.4	595.6	*601.0*	597.4
45°	1102.8	1097.4	1097.4	1095.6	953.0	808.6	725.6	642.5	649.8	*657.0*	653.4
47.5°	1286.9	1277.8	1267.0	1254.4	1102.8	949.4	830.2	709.3	709.3	*709.3*	714.7
50°	1480.0	1467.4	1443.9	1418.6	1265.2	1111.8	960.2	808.6	792.3	*774.3*	794.1
52.5°	1680.3	1658.7	1619.0	1577.5	1442.1	1306.7	1135.3	962.0	913.3	*862.7*	888.0
55°	1788.6	1765.2	1738.1	1709.2	1599.1	1487.2	1312.1	1137.1	1061.3	*983.7*	1010.7
57.5°	1877.1	1871.7	1859.0	1846.4	1761.6	1676.7	1501.7	1324.8	1221.9	*1119.0*	1142.5
60°	1998.0	1990.8	1996.2	2001.6	1936.6	1871.7	1705.6	1537.8	1406.0	*1272.4*	1265.2
62.5°	2088.2	2086.4	2113.5	2140.6	2106.3	2070.2	1884.3	1696.6	1568.4	*1438.5*	1402.4
65°	2005.2	2028.7	2129.7	2230.8	2225.4	2218.2	2044.9	1869.8	1743.5	*1615.4*	1568.4
67.5°	1830.1	1841.0	1990.8	2138.8	2203.7	2266.9	2144.2	2019.7	1920.4	*1819.3*	1732.7
70°	1665.9	1689.4	1821.1	1952.9	2120.7	2288.6	2191.1	2093.7	2073.8	*2052.1*	1940.2
72.5°	1507.1	1548.6	1671.3	1794.0	2017.8	2239.8	2182.1	2124.3	2201.9	*2279.6*	2146.0
75°	*963.8*	*972.8*	*1205.7*	*1436.7*	*1720.0*	*2001.6*	*2075.6*	*2149.6*	*2321.1*	*2492.5*	*2339.1*
77.5°	281.6	312.2	487.3	662.4	987.3	1310.3	1563.0	1815.7	2149.6	*2483.5*	2295.8
80°	95.7	102.9	128.1	151.6	324.9	498.1	790.5	1081.1	1469.2	*1857.2*	1725.5
82.5°	46.9	48.7	61.4	72.2	110.1	148.0	297.8	445.8	720.1	*992.7*	1016.1
85°	14.4	14.4	21.7	28.9	46.9	65.0	111.9	157.0	249.1	*339.3*	287.0
87.5°	3.6	3.6	5.4	7.2	10.8	14.4	14.4	14.4	10.8	*7.2*	9.0
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°	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4
2.5°	451.2	451.2	451.2	449.4	445.8	444.0	440.4	436.8	433.2	431.4	427.8
5°	397.1	420.5	442.2	444.0	444.0	438.6	433.2	427.8	422.3	416.9	411.5
7.5°	407.9	395.3	382.6	384.4	386.2	384.4	380.8	371.8	364.6	350.1	333.9
10°	326.7	317.7	306.8	310.4	314.0	323.1	332.1	324.9	314.0	287.0	258.1
12.5°	321.3	319.5	315.9	288.8	259.9	274.3	287.0	279.8	268.9	241.9	213.0
15°	274.3	276.1	276.1	303.2	330.3	341.1	350.1	341.1	328.5	292.4	254.5
17.5°	353.8	335.7	317.7	306.8	294.2	297.8	301.4	261.7	274.3	250.9	225.6
20°	366.4	306.8	247.3	296.0	344.7	361.0	377.2	368.2	351.9	294.2	234.6
22.5°	333.9	355.6	377.2	346.5	315.9	296.0	274.3	265.3	254.5	229.2	204.0
25°	413.3	353.8	292.4	350.1	406.1	409.7	413.3	397.1	379.0	306.8	234.6
27.5°	370.0	389.9	407.9	420.5	433.2	449.4	465.7	447.6	404.3	319.5	232.8
30°	440.4	467.5	494.5	536.0	577.6	590.2	601.0	581.2	546.9	404.3	259.9
32.5°	460.2	514.4	568.5	584.8	599.2	615.5	631.7	615.5	573.9	400.7	225.6
35°	514.4	552.3	588.4	613.7	638.9	653.4	667.8	657.0	601.0	395.3	189.5
37.5°	530.6	581.2	629.9	658.8	685.9	698.5	709.3	709.3	629.9	391.7	151.6
40°	555.9	619.1	682.2	709.3	734.6	754.4	772.5	779.7	662.4	389.9	115.5
42.5°	606.4	662.4	718.3	761.7	803.2	832.0	860.9	866.3	700.3	395.3	88.4
45°	660.6	720.1	779.7	837.5	895.2	936.7	976.4	972.8	745.4	409.7	72.2
47.5°	738.2	794.1	850.1	947.6	1043.2	1082.9	1120.8	1095.6	792.3	427.8	63.2
50°	817.6	886.2	954.8	1079.3	1202.0	1238.1	1272.4	1220.1	837.5	449.4	59.6
52.5°	920.5	1001.7	1082.9	1225.5	1368.1	1400.6	1433.1	1326.6	871.8	463.9	56.0
55°	1041.4	1146.1	1250.8	1386.1	1519.7	1557.6	1595.5	1431.3	888.0	471.1	54.1
57.5°	1187.6	1308.5	1427.7	1552.2	1674.9	1727.3	1777.8	1534.1	895.2	472.9	50.5
60°	1330.2	1463.8	1597.3	1703.8	1810.3	1891.5	1970.9	1635.2	891.6	469.3	45.1
62.5°	1461.9	1609.9	1756.1	1855.4	1954.7	2052.1	2149.6	1716.4	868.1	453.0	36.1
65°	1599.1	1756.1	1911.4	1998.0	2084.6	2211.0	2335.5	1786.8	835.7	431.4	25.3
67.5°	1723.7	1873.5	2023.3	2120.7	2218.2	2342.7	2465.5	1804.9	788.7	404.3	18.0
70°	1828.3	1990.8	2151.4	2250.7	2349.9	2413.1	2474.5	1725.5	694.9	353.8	12.6
72.5°	1972.7	2118.9	2263.3	2313.8	2362.6	2252.5	2140.6	1438.5	521.6	267.1	10.8
75°	*2102.7*	*2173.1*	*2241.7*	*2133.4*	*2025.1*	*1729.1*	*1433.1*	*906.0*	*254.5*	*133.6*	*10.8*
77.5°	1970.9	1933.0	1895.1	1563.0	1229.1	913.3	595.6	355.6	79.4	43.3	7.2
80°	1427.7	1254.4	1079.3	747.2	413.3	276.1	137.2	79.4	19.9	12.6	5.4
82.5°	768.9	593.8	416.9	268.9	120.9	81.2	39.7	27.1	9.0	7.2	3.6
85°	278.0	220.2	160.6	124.5	88.4	52.3	14.4	9.0	5.4	5.4	3.6
87.5°	25.3	28.9	32.5	25.3	16.2	10.8	3.6	3.6	3.6	3.6	1.8
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°	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4
2.5°	425.9	424.1	422.3	418.7	416.9	415.1	402.5	389.9	375.4	361.0	361.0
5°	388.0	364.6	351.9	339.3	330.3	321.3	319.5	315.9	312.2	308.6	306.8
7.5°	324.9	315.9	308.6	301.4	292.4	283.4	274.3	265.3	258.1	250.9	234.6
10°	243.7	229.2	218.4	207.6	202.1	194.9	184.1	171.5	171.5	171.5	169.7
12.5°	211.2	209.4	182.3	153.4	144.4	135.4	133.6	131.8	128.1	122.7	115.5
15°	209.4	162.4	139.0	113.7	108.3	101.1	90.2	77.6	75.8	72.2	81.2
17.5°	189.5	153.4	126.3	99.3	79.4	59.6	63.2	65.0	74.0	81.2	86.6
20°	171.5	108.3	90.2	70.4	65.0	57.8	61.4	65.0	63.2	59.6	68.6
22.5°	160.6	115.5	84.8	54.1	57.8	61.4	57.8	52.3	61.4	70.4	75.8
25°	155.2	74.0	66.8	57.8	54.1	50.5	57.8	63.2	59.6	56.0	66.8
27.5°	153.4	74.0	63.2	50.5	54.1	57.8	56.0	52.3	59.6	65.0	63.2
30°	164.2	66.8	59.6	52.3	50.5	48.7	52.3	56.0	56.0	54.1	63.2
32.5°	146.2	66.8	59.6	50.5	50.5	48.7	48.7	48.7	54.1	59.6	63.2
35°	126.3	61.4	56.0	48.7	46.9	45.1	46.9	46.9	52.3	56.0	63.2
37.5°	104.7	57.8	52.3	45.1	43.3	41.5	41.5	39.7	45.1	50.5	56.0
40°	84.8	54.1	48.7	41.5	39.7	37.9	37.9	37.9	41.5	43.3	46.9
42.5°	70.4	50.5	45.1	37.9	36.1	34.3	34.3	32.5	34.3	36.1	37.9
45°	61.4	48.7	43.3	36.1	34.3	30.7	28.9	27.1	27.1	27.1	27.1
47.5°	54.1	45.1	41.5	36.1	32.5	27.1	25.3	21.7	19.9	18.0	16.2
50°	50.5	41.5	37.9	32.5	28.9	23.5	19.9	16.2	14.4	10.8	10.8
52.5°	46.9	37.9	34.3	28.9	23.5	18.0	14.4	9.0	9.0	7.2	7.2
55°	45.1	36.1	30.7	25.3	19.9	12.6	9.0	5.4	5.4	3.6	3.6
57.5°	43.3	34.3	28.9	21.7	14.4	7.2	5.4	3.6	3.6	3.6	3.6
60°	37.9	30.7	23.5	14.4	9.0	3.6	3.6	1.8	3.6	3.6	3.6
62.5°	30.7	23.5	16.2	9.0	5.4	1.8	1.8	1.8	3.6	3.6	3.6
65°	21.7	16.2	10.8	5.4	3.6	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	16.2	12.6	9.0	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8
70°	10.8	9.0	7.2	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	9.0	7.2	5.4	1.8	1.8	0.0	1.8	1.8	1.8	1.8	1.8
75°	*9.0*	*7.2*	*5.4*	*1.8*	*1.8*	*0.0*	*1.8*	*1.8*	*1.8*	*1.8*	*1.8*
77.5°	7.2	5.4	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	1.8	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	1.8	1.8	0.0	3.6	5.4	5.4	3.6	3.6
85°	3.6	1.8	1.8	1.8	1.8	1.8	3.6	5.4	5.4	5.4	3.6
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	3.6	5.4	5.4	5.4	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):

	165°	170°	175°	180°
0°	440.4	440.4	440.4	440.4
2.5°	359.2	359.2	357.4	357.4
5°	303.2	303.2	301.4	301.4
7.5°	218.4	214.8	209.4	211.2
10°	167.9	164.2	160.6	164.2
12.5°	108.3	110.1	110.1	104.7
15°	88.4	95.7	101.1	101.1
17.5°	92.0	92.0	90.2	90.2
20°	77.6	84.8	92.0	92.0
22.5°	79.4	75.8	72.2	72.2
25°	75.8	81.2	84.8	84.8
27.5°	61.4	63.2	65.0	65.0
30°	70.4	74.0	75.8	75.8
32.5°	66.8	70.4	72.2	74.0
35°	68.6	72.2	74.0	74.0
37.5°	61.4	63.2	65.0	65.0
40°	48.7	50.5	52.3	52.3
42.5°	37.9	37.9	36.1	37.9
45°	25.3	25.3	23.5	25.3
47.5°	14.4	14.4	14.4	14.4
50°	9.0	9.0	9.0	9.0
52.5°	5.4	5.4	5.4	5.4
55°	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	1.8	1.8
60°	1.8	1.8	1.8	1.8
62.5°	1.8	1.8	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°	*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	0.0	0.0
85°	1.8	1.8	1.8	0.0
87.5°	1.8	1.8	1.8	0.0
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)