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: P560364

Luminaire Tested: **SDL-PA1-40-730-U-T2U-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:	P560364
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-40-730-U-T2U-HSS
Description:	Springdale
	(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS AND HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3262.8 lumens
Efficiency:	N/A
Efficacy:	82.8 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type II - Short
BUG Rating:	B1 - 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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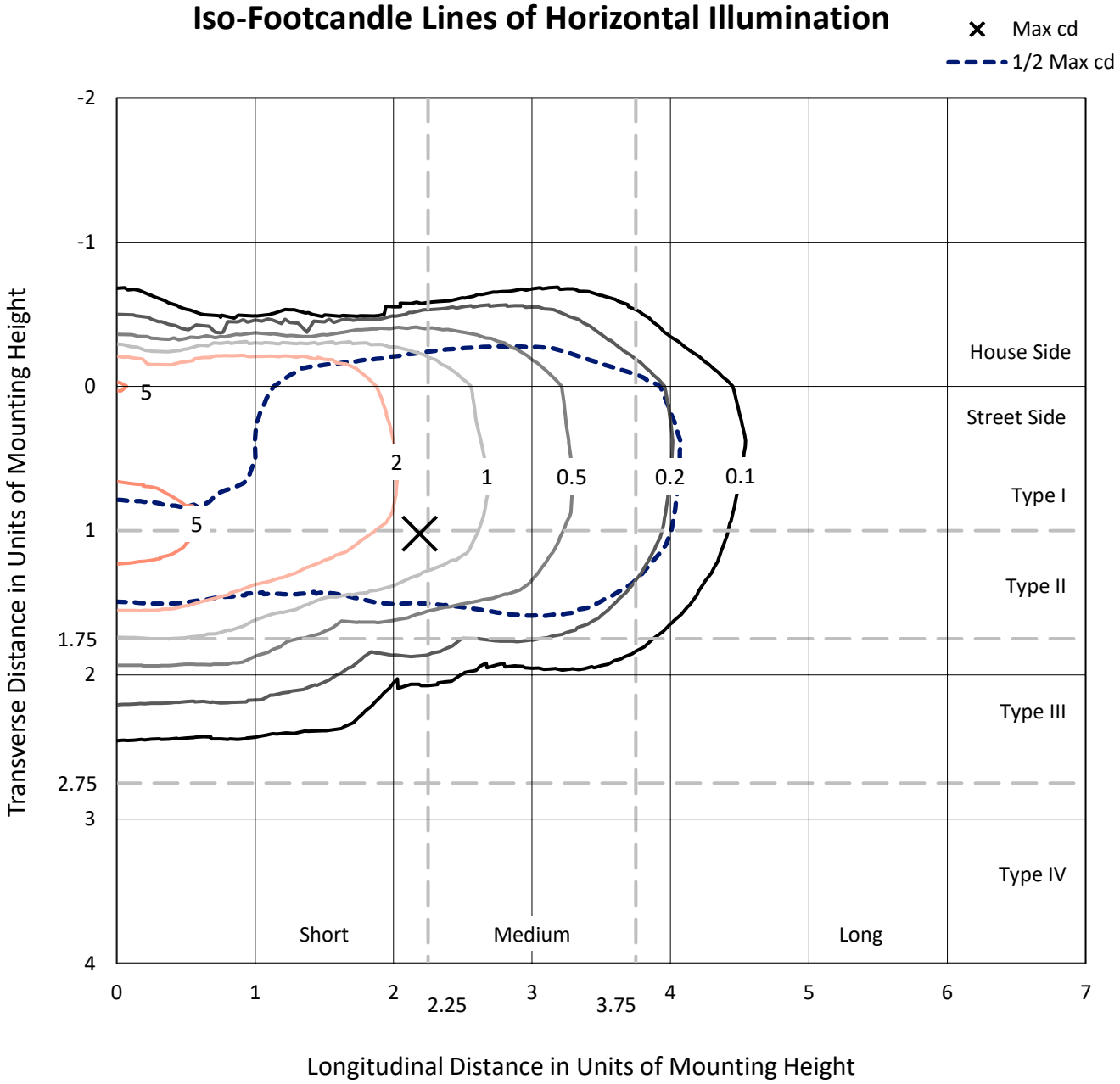
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
Type II - Short - N/A

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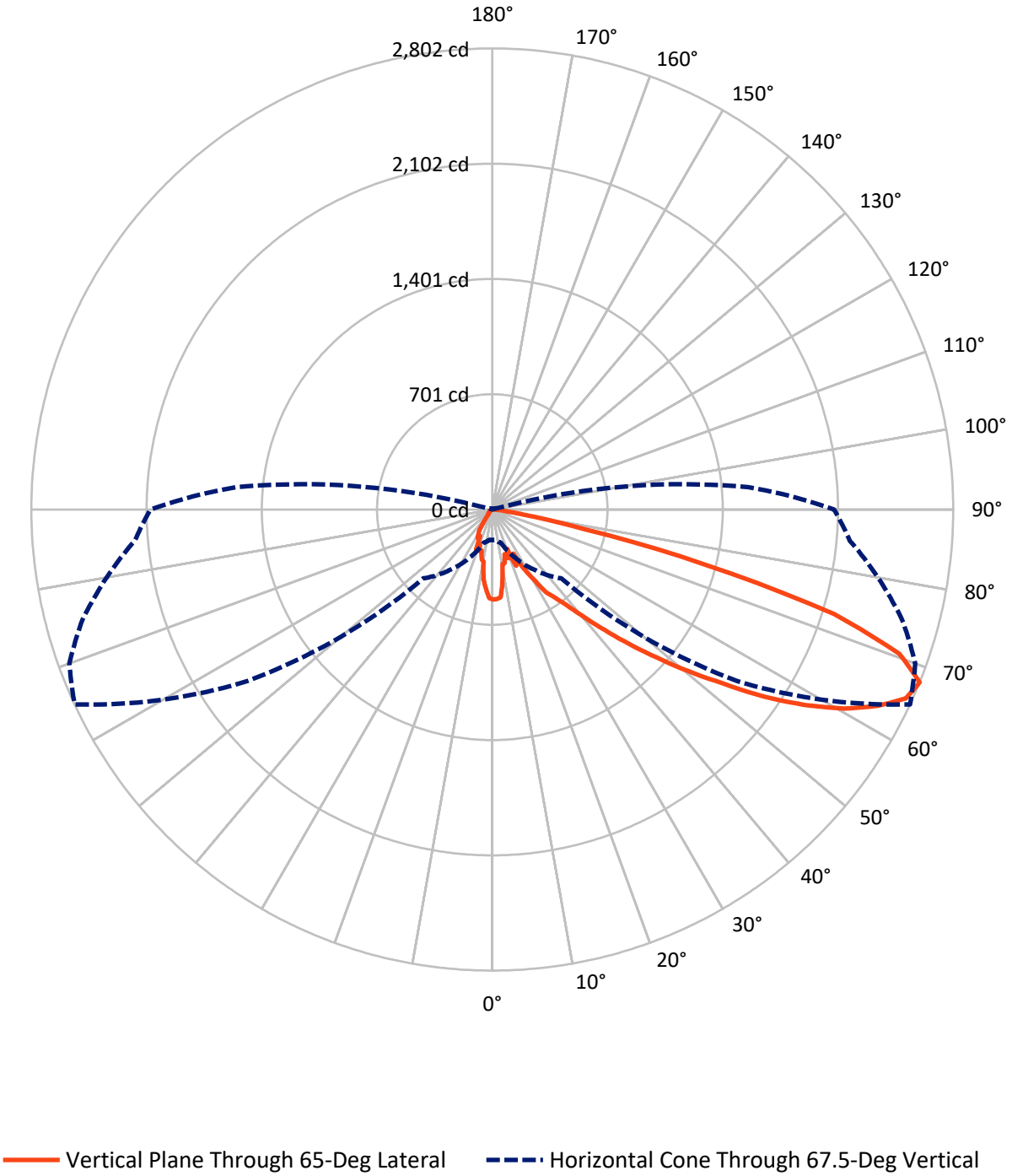
Luminous Intensity Polar Plot



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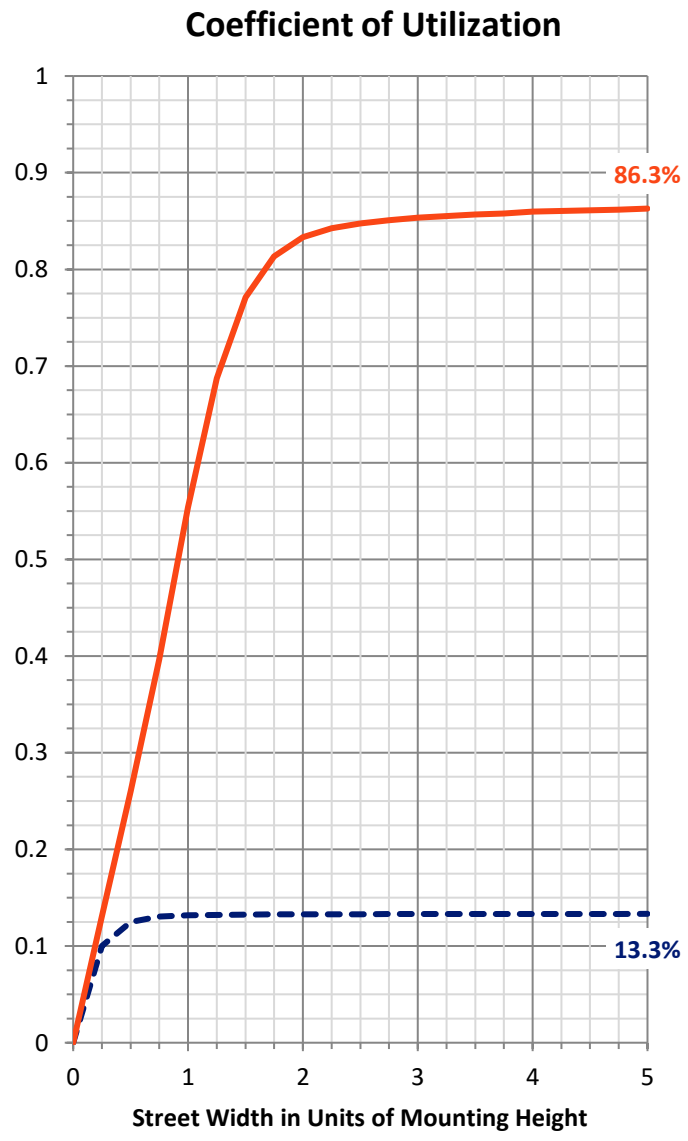
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	441.2	0.0	441.2
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	2821.6	0.0	2821.6
	% Fixture	86.5	0.0	86.5
Total	Lumens	3262.8	0.0	3262.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	1.3
10°-20°	81.1	2.5
20°-30°	122.5	3.8
30°-40°	282.1	8.6
40°-50°	618.8	19.0
50°-60°	908.4	27.8
60°-70°	789.0	24.2
70°-80°	391.2	12.0
80°-90°	27.8	0.9
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°	3262.8	100.0
0°-180°	3262.8	100.0



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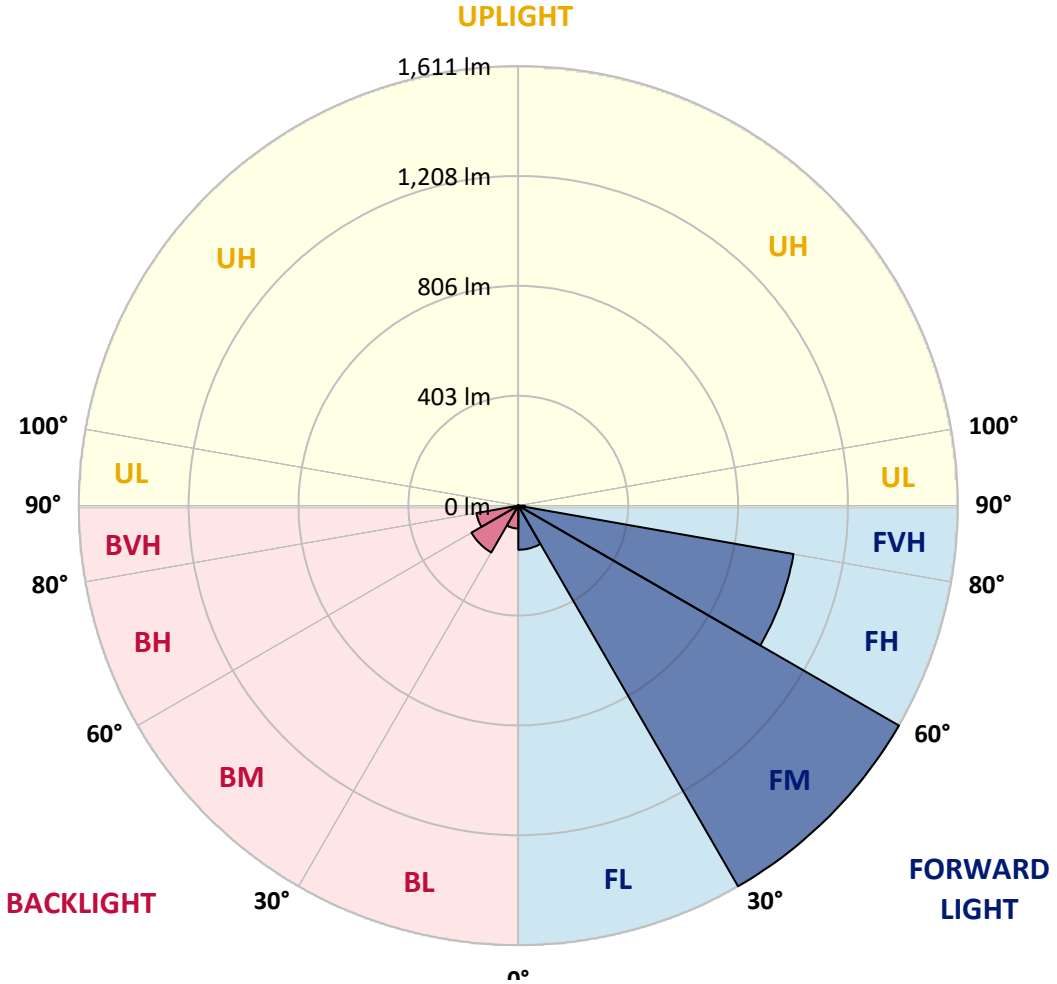
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	161.7	5.0			
FM	(30°-60°)	1611.1	49.4			
FH	(60°-80°)	1024.4	31.4			G1/1800
FVH	(80°-90°)	24.4	0.7			G1/100
BL	(0°-30°)	83.8	2.6	B0/110		
BM	(30°-60°)	198.2	6.1	B0/220		
BH	(60°-80°)	155.9	4.8	B1/500		G1/500
BVH	(80°-90°)	3.3	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-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	546.3	546.3	546.3	546.3	546.3	546.3	546.3	546.3	546.3	546.3	546.3
2.5°	457.4	495.3	506.8	518.3	528.2	538.0	539.7	541.3	544.6	546.3	547.9
5°	447.5	449.2	449.2	447.5	449.2	450.8	450.8	450.8	450.8	450.8	452.5
7.5°	358.7	401.5	414.6	426.2	432.7	437.7	441.0	442.6	444.2	445.9	447.5
10°	432.7	431.1	432.7	432.7	434.4	434.4	396.5	358.7	371.9	383.4	363.6
12.5°	343.9	378.4	393.2	408.1	417.9	426.2	409.7	391.6	357.0	320.8	322.5
15°	414.6	414.6	414.6	414.6	383.4	350.5	329.1	306.0	324.1	340.6	307.7
17.5°	334.0	334.0	363.6	393.2	393.2	391.6	370.2	347.2	301.1	255.0	296.2
20°	413.0	413.0	414.6	416.3	362.0	307.7	325.8	342.2	348.8	355.4	340.6
22.5°	337.3	337.3	342.2	345.5	365.3	385.0	332.4	279.7	322.5	365.3	335.7
25°	436.0	437.7	441.0	442.6	393.2	342.2	365.3	388.3	342.2	296.2	342.2
27.5°	394.9	388.3	388.3	386.7	403.1	417.9	385.0	352.1	381.7	411.3	376.8
30°	554.5	549.6	543.0	536.4	473.9	411.3	413.0	413.0	401.5	390.0	409.7
32.5°	768.4	760.2	704.2	648.3	602.2	556.1	508.4	460.7	477.2	492.0	482.1
35°	1031.6	1031.6	979.0	926.3	822.7	719.0	638.4	556.1	549.6	543.0	552.8
37.5°	1344.3	1311.4	1248.8	1186.3	1058.0	928.0	804.6	681.2	666.4	649.9	633.5
40°	1576.3	1571.3	1523.6	1475.9	1317.9	1160.0	1015.2	868.8	821.0	771.7	735.5
42.5°	1818.1	1800.0	1762.2	1722.7	1563.1	1401.9	1247.2	1090.9	1025.1	959.2	895.1
45°	1992.5	1987.6	1954.7	1921.8	1791.8	1660.2	1498.9	1336.0	1293.3	1250.5	1130.4
47.5°	2101.1	2073.2	2060.0	2045.2	1933.3	1821.4	1684.9	1546.6	1540.1	1531.8	1380.5
50°	2068.2	2043.5	2046.8	2050.1	1995.8	1941.5	1837.9	1732.6	1750.7	1768.8	1643.7
52.5°	1893.8	1872.4	1902.0	1930.0	1928.4	1926.7	1888.9	1849.4	1915.2	1979.4	1893.8
55°	1545.0	1559.8	1619.0	1678.3	1717.8	1755.6	1809.9	1862.6	1987.6	2111.0	2094.6
57.5°	1211.0	1243.9	1304.8	1364.0	1428.2	1490.7	1605.9	1721.1	1931.7	2140.6	2213.0
60°	812.8	834.2	941.2	1046.5	1105.7	1164.9	1290.0	1413.4	1699.7	1984.3	2173.5
62.5°	505.1	516.6	577.5	638.4	758.5	878.6	941.2	1002.0	1311.4	1619.0	1969.5
65°	311.0	307.7	332.4	355.4	473.9	590.7	631.8	671.3	877.0	1081.0	1625.6
67.5°	*185.9*	*184.3*	*197.4*	*210.6*	*264.9*	*319.2*	*383.4*	*447.5*	*519.9*	*590.7*	*1204.4*
70°	151.4	154.7	159.6	164.5	179.3	194.2	253.4	312.6	311.0	309.3	724.0
72.5°	126.7	130.0	139.9	148.1	159.6	169.5	204.0	236.9	222.1	207.3	345.5
75°	93.8	95.4	108.6	120.1	138.2	154.7	162.9	169.5	162.9	156.3	174.4
77.5°	62.5	62.5	74.0	85.6	103.7	121.8	131.6	141.5	130.0	118.5	123.4
80°	39.5	39.5	46.1	51.0	69.1	87.2	98.7	110.2	100.4	88.8	87.2
82.5°	23.0	24.7	28.0	31.3	42.8	54.3	62.5	70.8	82.3	92.1	74.0
85°	9.9	11.5	14.8	16.5	23.0	28.0	32.9	37.8	47.7	57.6	47.7
87.5°	1.6	1.6	3.3	4.9	6.6	8.2	8.2	8.2	8.2	6.6	8.2
90°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	546.3	546.3	*546.3*	546.3	546.3	546.3	546.3	546.3	546.3	546.3	546.3
2.5°	547.9	546.3	*544.6*	544.6	544.6	543.0	541.3	541.3	541.3	539.7	538.0
5°	452.5	493.6	*534.7*	536.4	539.7	538.0	536.4	534.7	533.1	531.5	528.2
7.5°	447.5	444.2	*441.0*	429.4	468.9	468.9	467.3	467.3	464.0	450.8	437.7
10°	342.2	340.6	*337.3*	342.2	350.5	378.4	404.8	403.1	398.2	366.9	335.7
12.5°	324.1	329.1	*334.0*	317.6	286.3	312.6	338.9	335.7	332.4	304.4	274.8
15°	274.8	278.1	*281.4*	307.7	355.4	380.1	403.1	399.8	396.5	363.6	329.1
17.5°	337.3	324.1	*311.0*	329.1	312.6	324.1	335.7	322.5	312.6	299.5	286.3
20°	324.1	289.6	*255.0*	307.7	368.6	388.3	408.1	403.1	393.2	362.0	329.1
22.5°	304.4	338.9	*371.9*	355.4	325.8	307.7	289.6	281.4	274.8	276.4	278.1
25°	386.7	342.2	*296.2*	375.1	422.9	429.4	434.4	419.6	403.1	368.6	332.4
27.5°	340.6	373.5	*404.8*	436.0	452.5	457.4	460.7	482.1	447.5	401.5	355.4
30°	429.4	457.4	*485.4*	554.5	610.4	620.3	630.2	605.5	577.5	521.6	465.6
32.5°	472.2	536.4	*598.9*	631.8	654.9	663.1	671.3	638.4	607.1	534.7	460.7
35°	561.1	608.8	*656.5*	694.3	738.8	740.4	742.1	705.9	666.4	561.1	455.8
37.5°	615.4	677.9	*738.8*	781.5	850.7	845.7	840.8	798.0	750.3	602.2	454.1
40°	697.6	778.3	*857.2*	898.4	982.3	967.5	952.7	903.3	850.7	646.6	442.6
42.5°	830.9	916.5	*1002.0*	1036.6	1128.7	1112.3	1094.2	1028.4	960.9	682.8	404.8
45°	1008.6	1085.9	*1163.3*	1224.2	1296.5	1270.2	1243.9	1173.1	1074.4	714.1	353.8
47.5°	1227.4	1285.0	*1342.6*	1462.7	1515.4	1462.7	1408.4	1322.9	1197.8	740.4	283.0
50°	1518.7	1531.8	*1543.4*	1693.1	1745.7	1665.1	1584.5	1474.2	1324.5	770.0	213.9
52.5°	1806.6	1781.9	*1755.6*	1916.9	1936.6	1829.6	1721.1	1605.9	1418.3	786.5	153.0
55°	2078.1	2043.5	*2007.3*	2122.5	2109.4	1967.9	1826.4	1686.5	1475.9	791.4	106.9
57.5°	2285.4	2264.0	*2241.0*	2293.6	2244.3	2078.1	1911.9	1772.1	1518.7	799.6	79.0
60°	2361.1	2408.8	*2456.5*	2450.0	2359.5	2183.4	2007.3	1859.3	1545.0	802.9	59.2
62.5°	2320.0	2474.6	*2627.7*	2565.1	2454.9	2269.0	2081.4	1938.2	1556.5	801.3	46.1
65°	2170.2	2468.1	*2764.2*	2660.6	2522.3	2336.4	2150.5	2022.2	1569.7	802.9	36.2
67.5°	*1816.5*	*2310.1*	*2802.1*	*2736.2*	*2578.3*	*2380.8*	*2181.8*	*2078.1*	*1563.1*	*796.4*	*29.6*
70°	1136.9	1880.7	*2624.4*	2675.4	2578.3	2361.1	2143.9	2061.6	1503.9	763.5	23.0
72.5°	482.1	1327.8	*2173.5*	2395.7	2463.1	2252.5	2041.9	1939.9	1377.2	697.6	18.1
75°	190.9	763.5	*1336.0*	1688.1	1895.5	1806.6	1716.1	1579.6	903.3	459.1	13.2
77.5°	128.3	348.8	*569.3*	829.3	988.9	1023.4	1058.0	901.7	360.3	185.9	9.9
80°	85.6	139.9	*194.2*	297.8	355.4	335.7	314.3	258.3	110.2	59.2	8.2
82.5°	54.3	72.4	*90.5*	102.0	105.3	75.7	46.1	37.8	13.2	9.9	4.9
85°	36.2	42.8	*49.4*	51.0	51.0	36.2	19.7	9.9	4.9	4.9	3.3
87.5°	9.9	11.5	*11.5*	11.5	8.2	6.6	4.9	3.3	3.3	3.3	3.3
90°	4.9	6.6	*6.6*	6.6	4.9	4.9	3.3	3.3	3.3	3.3	3.3

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	546.3	546.3	546.3	546.3	546.3	546.3	546.3	546.3	546.3	546.3	546.3
2.5°	538.0	538.0	536.4	534.7	534.7	533.1	516.6	498.5	482.1	464.0	462.3
5°	506.8	483.7	462.3	441.0	437.7	432.7	432.7	431.1	431.1	429.4	429.4
7.5°	434.4	431.1	427.8	424.5	422.9	419.6	417.9	414.6	413.0	409.7	391.6
10°	329.1	320.8	320.8	319.2	322.5	325.8	324.1	320.8	342.2	363.6	362.0
12.5°	292.9	309.3	294.5	278.1	283.0	286.3	291.2	296.2	294.5	291.2	266.5
15°	294.5	258.3	246.8	233.6	240.2	245.2	202.4	158.0	149.7	141.5	131.6
17.5°	274.8	263.3	255.0	245.2	187.6	128.3	115.2	102.0	90.5	77.3	75.7
20°	278.1	225.4	210.6	194.2	149.7	105.3	80.6	55.9	49.4	42.8	49.4
22.5°	271.5	263.3	192.5	121.8	90.5	59.2	49.4	37.8	41.1	44.4	44.4
25°	255.0	177.7	138.2	98.7	69.1	37.8	39.5	39.5	36.2	31.3	34.6
27.5°	276.4	195.8	125.0	52.7	46.1	37.8	34.6	29.6	29.6	29.6	28.0
30°	319.2	171.1	106.9	42.8	36.2	29.6	28.0	26.3	24.7	21.4	23.0
32.5°	302.7	144.8	90.5	36.2	31.3	26.3	23.0	19.7	19.7	19.7	19.7
35°	274.8	92.1	62.5	31.3	26.3	21.4	19.7	16.5	16.5	16.5	16.5
37.5°	256.7	59.2	42.8	24.7	21.4	18.1	16.5	13.2	13.2	13.2	14.8
40°	241.9	41.1	31.3	21.4	18.1	13.2	11.5	9.9	11.5	11.5	11.5
42.5°	220.5	34.6	26.3	18.1	14.8	11.5	9.9	8.2	9.9	9.9	9.9
45°	192.5	31.3	23.0	14.8	13.2	9.9	8.2	6.6	8.2	8.2	8.2
47.5°	154.7	26.3	19.7	13.2	11.5	8.2	8.2	6.6	6.6	6.6	6.6
50°	120.1	24.7	18.1	11.5	9.9	6.6	6.6	4.9	6.6	6.6	6.6
52.5°	87.2	21.4	16.5	9.9	8.2	4.9	4.9	4.9	4.9	4.9	4.9
55°	62.5	18.1	13.2	8.2	6.6	4.9	4.9	3.3	4.9	4.9	4.9
57.5°	47.7	16.5	11.5	6.6	4.9	3.3	3.3	3.3	3.3	3.3	3.3
60°	37.8	14.8	11.5	6.6	4.9	3.3	3.3	1.6	3.3	3.3	3.3
62.5°	29.6	11.5	9.9	6.6	4.9	3.3	3.3	1.6	3.3	3.3	3.3
65°	23.0	9.9	8.2	4.9	3.3	1.6	1.6	1.6	3.3	3.3	3.3
67.5°	*19.7*	*8.2*	*6.6*	*4.9*	*3.3*	*1.6*	*3.3*	*3.3*	*3.3*	*3.3*	*3.3*
70°	16.5	8.2	6.6	4.9	3.3	1.6	3.3	3.3	4.9	4.9	3.3
72.5°	13.2	6.6	4.9	3.3	3.3	1.6	3.3	3.3	4.9	4.9	3.3
75°	9.9	4.9	4.9	3.3	3.3	1.6	3.3	4.9	4.9	4.9	3.3
77.5°	8.2	4.9	4.9	3.3	3.3	1.6	3.3	4.9	4.9	4.9	4.9
80°	6.6	3.3	3.3	3.3	1.6	0.0	3.3	6.6	6.6	4.9	4.9
82.5°	4.9	3.3	3.3	3.3	1.6	0.0	3.3	6.6	6.6	4.9	4.9
85°	3.3	3.3	3.3	3.3	3.3	1.6	4.9	6.6	6.6	4.9	4.9
87.5°	3.3	3.3	3.3	3.3	3.3	1.6	3.3	4.9	4.9	4.9	4.9
90°	3.3	3.3	4.9	4.9	3.3	1.6	3.3	4.9	4.9	4.9	4.9

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	546.3	546.3	546.3	546.3
2.5°	459.1	462.3	464.0	460.7
5°	427.8	427.8	426.2	431.1
7.5°	371.9	362.0	350.5	342.2
10°	358.7	350.5	342.2	343.9
12.5°	240.2	215.5	190.9	199.1
15°	121.8	115.2	108.6	108.6
17.5°	72.4	65.8	57.6	59.2
20°	54.3	54.3	54.3	54.3
22.5°	42.8	41.1	37.8	36.2
25°	36.2	36.2	36.2	36.2
27.5°	26.3	26.3	24.7	23.0
30°	23.0	23.0	23.0	21.4
32.5°	18.1	19.7	19.7	19.7
35°	16.5	16.5	16.5	16.5
37.5°	14.8	14.8	13.2	13.2
40°	11.5	11.5	11.5	11.5
42.5°	9.9	9.9	9.9	9.9
45°	8.2	8.2	8.2	8.2
47.5°	6.6	6.6	6.6	6.6
50°	6.6	6.6	4.9	4.9
52.5°	4.9	4.9	3.3	3.3
55°	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	1.6	1.6
60°	3.3	3.3	1.6	1.6
62.5°	1.6	1.6	1.6	1.6
65°	1.6	1.6	0.0	0.0
67.5°	*1.6*	*1.6*	*0.0*	*0.0*
70°	1.6	1.6	0.0	0.0
72.5°	1.6	1.6	0.0	0.0
75°	1.6	1.6	0.0	0.0
77.5°	3.3	1.6	0.0	0.0
80°	3.3	3.3	1.6	0.0
82.5°	3.3	3.3	1.6	0.0
85°	3.3	3.3	1.6	0.0
87.5°	3.3	3.3	1.6	0.0
90°	3.3	3.3	1.6	0.0

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