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: P560937

Luminaire Tested: **SDL-PA1-70-750-U-T2U**

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:	P560937
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-70-750-U-T2U
Description:	Springdale
	(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8599 lumens
Efficiency:	N/A
Efficacy:	119.1 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G3

Input Watts (W):	72.2
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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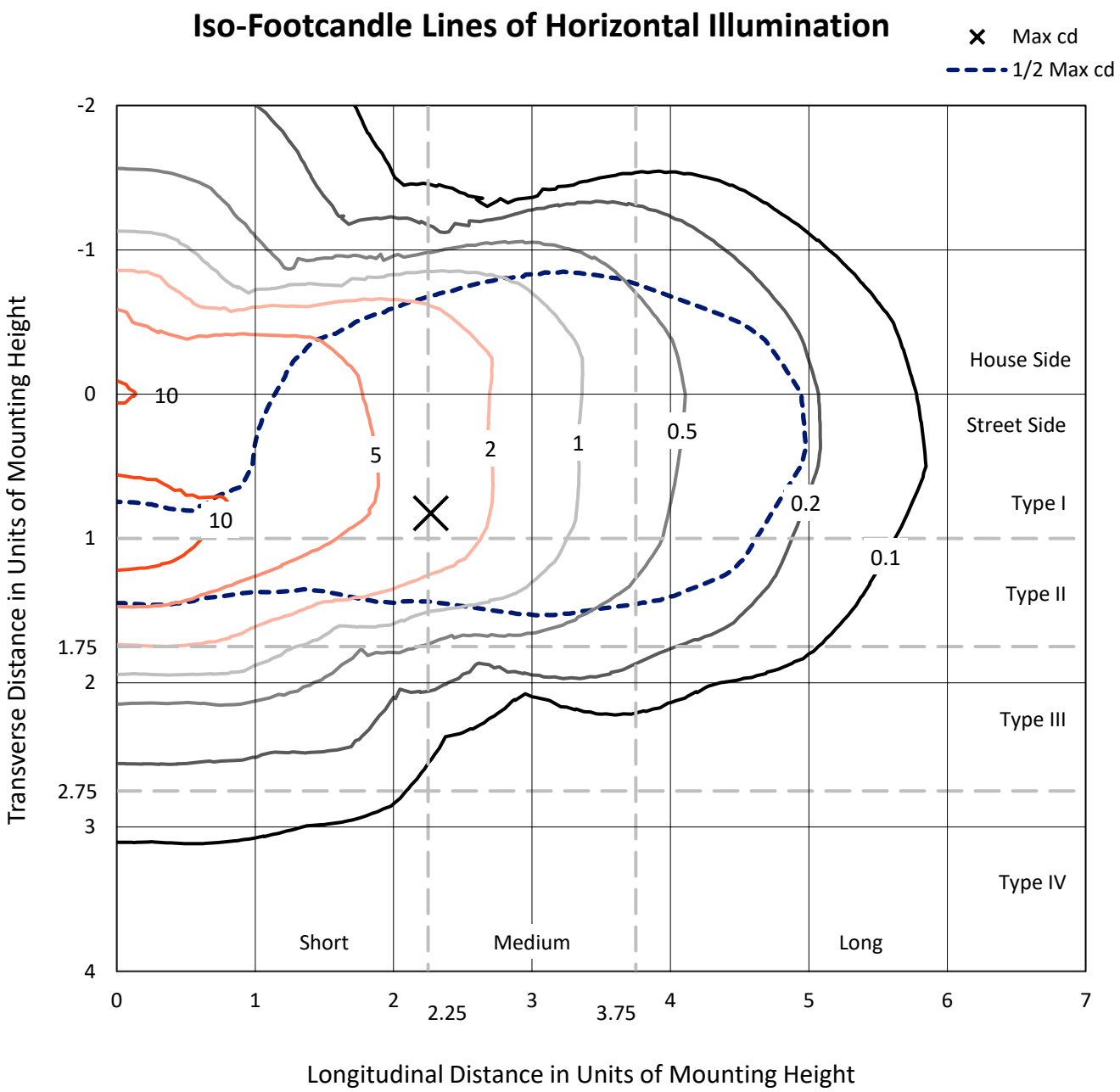

Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
Type II - Medium - N/A

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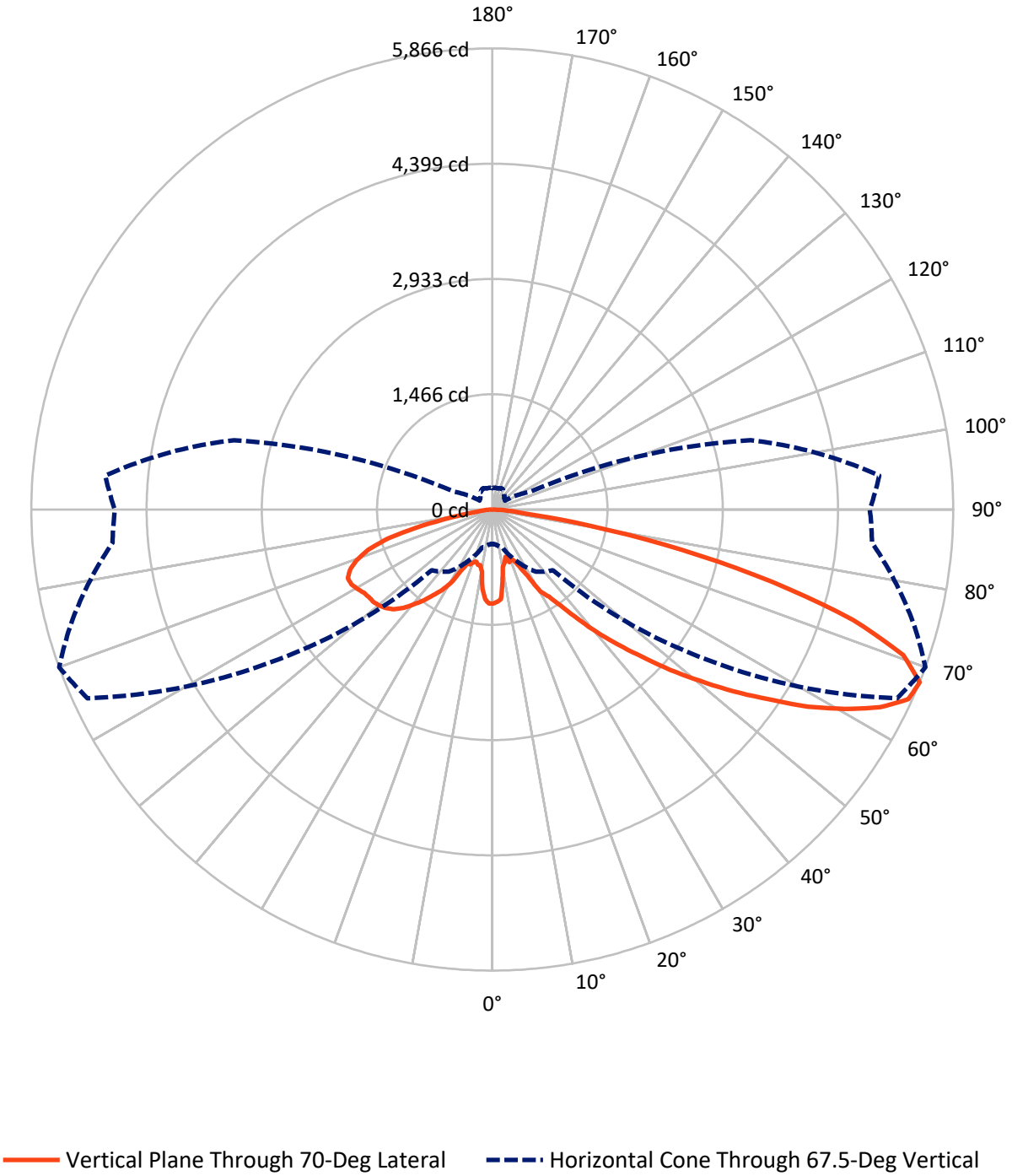
Luminous Intensity Polar Plot



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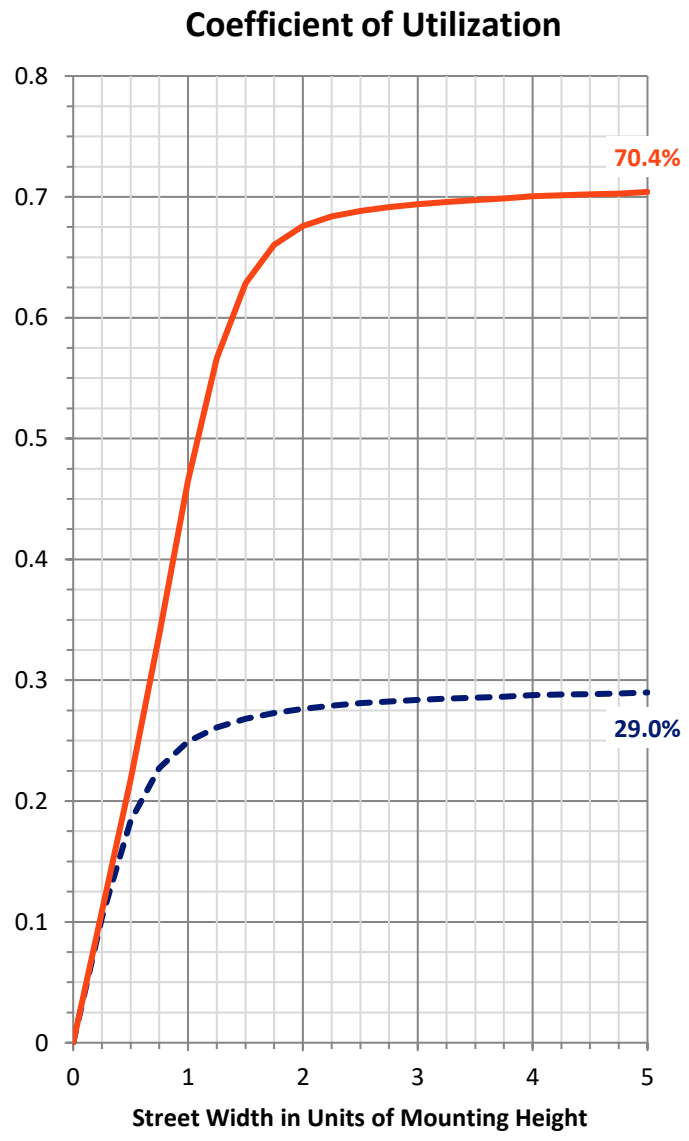
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2521.7	0.0	2521.7
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	6077.3	0.0	6077.3
	% Fixture	70.7	0.0	70.7
Total	Lumens	8599.0	0.0	8599.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	1.1
10°-20°	225.1	2.6
20°-30°	400.0	4.7
30°-40°	845.6	9.8
40°-50°	1547.9	18.0
50°-60°	2111.7	24.6
60°-70°	1990.8	23.2
70°-80°	1204.9	14.0
80°-90°	177.0	2.1
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°	8599.0	100.0
0°-180°	8599.0	100.0



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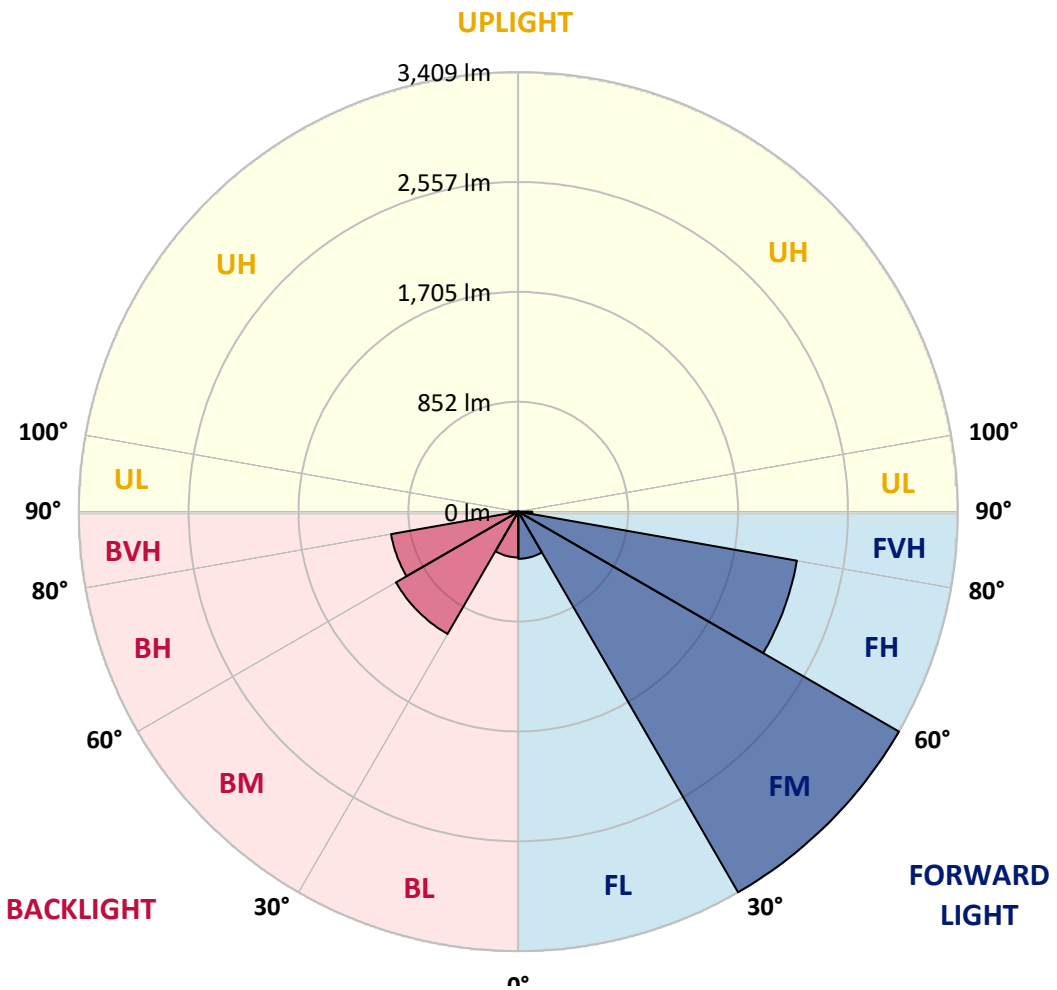
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	365.9	4.3			
FM	(30°-60°)	3409.0	39.6			
FH	(60°-80°)	2193.8	25.5			G2/5000
FVH	(80°-90°)	108.5	1.3			G2/225
BL	(0°-30°)	355.2	4.1	B1/500		
BM	(30°-60°)	1096.2	12.7	B2/2500		
BH	(60°-80°)	1001.8	11.7	B3/2500		G3/2500
BVH	(80°-90°)	68.5	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3
2.5°	1005.5	1014.8	1076.6	1138.5	1141.6	1141.6	1144.7	1147.8	1157.1	1163.3	1169.5
5°	937.4	943.6	943.6	943.6	946.7	949.8	952.9	952.9	959.1	962.2	968.4
7.5°	785.8	847.7	869.4	887.9	900.3	909.6	915.8	922.0	928.1	934.3	940.5
10°	894.1	894.1	897.2	897.2	897.2	894.1	832.2	767.3	798.2	829.1	782.7
12.5°	736.3	748.7	804.4	857.0	872.5	884.8	853.9	819.9	764.2	708.5	702.3
15°	875.5	875.5	875.5	872.5	816.8	758.0	699.2	637.3	674.5	711.6	655.9
17.5°	758.0	758.0	804.4	847.7	844.6	838.4	785.8	730.1	643.5	553.8	625.0
20°	956.0	952.9	937.4	918.9	804.4	689.9	714.7	739.4	745.6	748.7	727.0
22.5°	853.9	857.0	875.5	894.1	897.2	900.3	767.3	631.1	708.5	785.8	711.6
25°	1188.0	1181.8	1154.0	1123.1	996.2	866.3	891.0	915.8	788.9	659.0	739.4
27.5°	1129.2	1110.7	1098.3	1085.9	1107.6	1129.2	1011.7	891.0	918.9	946.7	844.6
30°	1615.0	1615.0	1584.0	1550.0	1358.2	1163.3	1132.3	1101.4	1027.1	949.8	968.4
32.5°	2045.0	2045.0	1930.5	1813.0	1698.5	1584.0	1432.4	1280.8	1249.9	1215.9	1184.9
35°	2574.1	2558.6	2493.6	2425.5	2178.0	1930.5	1735.6	1540.7	1478.8	1417.0	1386.0
37.5°	3069.1	3035.0	2945.3	2852.5	2592.6	2329.6	2072.9	1816.1	1748.0	1679.9	1611.9
40°	3477.4	3458.9	3397.0	3332.0	3038.1	2744.2	2453.4	2159.5	2069.8	1980.0	1881.0
42.5°	3851.8	3836.3	3780.6	3721.9	3431.0	3137.1	2861.8	2583.3	2450.3	2317.3	2199.7
45°	4127.1	4102.4	4065.3	4025.1	3793.0	3557.9	3279.4	2997.9	2945.3	2892.7	2663.8
47.5°	4213.8	4170.5	4164.3	4158.1	3972.5	3786.8	3564.1	3341.3	3350.6	3359.9	3093.8
50°	4086.9	4022.0	4049.8	4077.6	4003.4	3926.0	3752.8	3579.5	3656.9	3731.1	3520.8
52.5°	3625.9	3610.5	3681.6	3749.7	3768.3	3786.8	3749.7	3709.5	3851.8	3994.1	3916.8
55°	2991.7	3059.8	3158.8	3257.8	3335.1	3409.4	3517.7	3625.9	3870.4	4114.8	4170.5
57.5°	2357.5	2428.6	2543.1	2657.6	2747.3	2837.0	3059.8	3282.5	3650.7	4018.9	4269.5
60°	1587.1	1661.4	1850.1	2035.7	2162.6	2289.4	2490.5	2691.6	3155.7	3619.8	4127.1
62.5°	1058.1	1033.3	1191.1	1345.8	1550.0	1754.2	1843.9	1930.5	2416.3	2898.9	3718.8
65°	649.7	652.8	714.7	773.5	999.3	1222.1	1293.2	1361.3	1636.6	1912.0	3028.8
67.5°	*436.2*	*445.5*	*473.4*	*501.2*	*609.5*	*717.8*	*841.5*	*965.3*	*1030.2*	*1092.1*	*2209.0*
70°	386.7	389.8	402.2	414.6	445.5	476.4	590.9	705.4	668.3	628.0	1253.0
72.5°	340.3	343.4	365.1	383.6	399.1	414.6	482.6	550.7	507.4	464.1	625.0
75°	278.4	287.7	309.4	327.9	358.9	386.7	402.2	417.7	396.0	371.3	402.2
77.5°	228.9	235.1	250.6	266.1	297.0	324.9	340.3	355.8	321.8	287.7	306.3
80°	179.4	182.5	194.9	207.3	232.0	253.7	272.3	287.7	256.8	222.8	232.0
82.5°	108.3	111.4	129.9	145.4	167.1	185.6	198.0	207.3	216.6	222.8	194.9
85°	58.8	58.8	71.2	83.5	86.6	89.7	102.1	111.4	139.2	164.0	142.3
87.5°	9.3	9.3	12.4	12.4	18.6	21.7	24.8	24.8	27.8	27.8	30.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1197.3	1197.3	1197.3	*1197.3*	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3
2.5°	1172.6	1175.6	1175.6	*1175.6*	1178.7	1181.8	1184.9	1184.9	1188.0	1191.1	1194.2
5°	974.6	1055.0	1132.3	*1144.7*	1154.0	1160.2	1166.4	1169.5	1175.6	1181.8	1184.9
7.5°	946.7	946.7	946.7	*925.1*	1005.5	1014.8	1024.1	1030.2	1036.4	1030.2	1021.0
10°	733.2	733.2	730.1	*736.3*	770.4	829.1	884.8	891.0	897.2	847.7	795.1
12.5°	693.0	702.3	711.6	*696.1*	634.2	686.8	739.4	748.7	751.8	708.5	662.1
15°	597.1	600.2	603.3	*625.0*	751.8	804.4	857.0	866.3	875.5	829.1	779.6
17.5°	693.0	671.4	646.6	*705.4*	655.9	689.9	720.9	646.6	714.7	702.3	689.9
20°	705.4	631.1	553.8	*659.0*	770.4	823.0	872.5	878.6	881.7	844.6	804.4
22.5°	637.3	708.5	779.6	*708.5*	665.2	659.0	652.8	649.7	652.8	674.5	693.0
25°	819.9	730.1	640.4	*804.4*	906.5	931.2	956.0	943.6	937.4	891.0	844.6
27.5°	742.5	813.7	881.7	*949.8*	980.7	1014.8	1045.7	1055.0	1005.5	956.0	906.5
30°	983.8	1027.1	1067.4	*1206.6*	1308.7	1339.6	1370.6	1339.6	1321.1	1259.2	1194.2
32.5°	1150.9	1237.5	1324.2	*1321.1*	1417.0	1441.7	1463.4	1423.2	1389.1	1321.1	1249.9
35°	1355.1	1410.8	1466.5	*1497.4*	1593.3	1602.6	1611.9	1559.3	1509.8	1429.3	1348.9
37.5°	1543.8	1615.0	1683.0	*1760.4*	1843.9	1825.4	1803.7	1738.7	1658.3	1596.4	1534.5
40°	1778.9	1865.6	1952.2	*2051.2*	2100.7	2072.9	2041.9	1942.9	1865.6	1800.6	1735.6
42.5°	2079.0	2171.9	2261.6	*2348.2*	2366.8	2335.8	2301.8	2193.5	2075.9	2011.0	1942.9
45°	2431.7	2506.0	2580.2	*2670.0*	2707.1	2651.4	2592.6	2456.5	2317.3	2224.5	2131.6
47.5°	2824.7	2858.7	2892.7	*3047.4*	3096.9	3004.1	2908.2	2759.7	2564.8	2444.1	2320.4
50°	3310.4	3301.1	3288.7	*3424.9*	3539.3	3384.6	3226.8	3053.6	2861.8	2691.6	2518.4
52.5°	3839.4	3749.7	3656.9	*3839.4*	3895.1	3709.5	3523.9	3338.2	3146.4	2926.7	2704.0
55°	4226.1	4176.6	4127.1	*4257.1*	4250.9	4034.3	3814.7	3595.0	3437.2	3143.3	2849.4
57.5°	4517.0	4560.3	4600.5	*4730.4*	4581.9	4334.4	4086.9	3867.3	3731.1	3363.0	2994.8
60°	4631.4	4854.2	5073.9	*5151.2*	4925.4	4646.9	4365.4	4148.8	4034.3	3588.8	3143.3
62.5°	4538.6	5030.5	5522.5	*5537.9*	5240.9	4928.4	4616.0	4439.6	4380.8	3833.2	3282.5
65°	4145.7	4956.3	5763.8	*5819.5*	5485.3	5157.4	4826.3	4696.4	4733.5	4062.2	3387.7
67.5°	*3322.8*	*4504.6*	*5683.3*	*5865.9*	*5544.1*	*5197.6*	*4851.1*	*4804.7*	*4943.9*	*4173.6*	*3403.2*
70°	1877.9	3462.0	5042.9	*5550.3*	5380.1	5036.7	4690.2	4711.9	4919.2	4111.7	3304.2
72.5°	782.7	2394.6	4006.5	*4801.6*	4950.1	4659.3	4365.4	4445.8	4588.1	3820.9	3050.5
75°	433.1	1528.3	2623.6	*3681.6*	4139.5	4062.2	3981.7	4071.5	4003.4	3260.9	2518.4
77.5°	321.8	826.0	1330.3	*2465.8*	3115.5	3291.8	3465.1	3508.4	3127.8	2382.2	1636.6
80°	241.3	392.9	541.4	*1259.2*	1670.7	1986.2	2301.8	2106.9	1840.8	1287.0	733.2
82.5°	167.1	225.8	284.6	*405.3*	649.7	748.7	844.6	804.4	603.3	423.9	241.3
85°	117.6	148.5	179.4	*222.8*	278.4	222.8	167.1	136.1	157.8	145.4	133.0
87.5°	30.9	30.9	27.8	*30.9*	21.7	18.6	15.5	12.4	12.4	12.4	12.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3
2.5°	1197.3	1200.4	1200.4	1200.4	1200.4	1197.3	1181.8	1166.4	1129.2	1092.1	1079.7
5°	1144.7	1104.5	1073.6	1042.6	1042.6	1042.6	1048.8	1055.0	1058.1	1061.2	1064.3
7.5°	1021.0	1017.9	1030.2	1042.6	1051.9	1061.2	1067.4	1073.6	1061.2	1048.8	1021.0
10°	798.2	798.2	813.7	826.0	847.7	869.4	931.2	993.1	1045.7	1098.3	1107.6
12.5°	724.0	782.7	748.7	711.6	788.9	866.3	934.3	999.3	1051.9	1101.4	1061.2
15°	727.0	671.4	683.7	696.1	779.6	863.2	801.3	736.3	860.1	980.7	1008.6
17.5°	693.0	696.1	751.8	807.5	724.0	637.3	745.6	853.9	900.3	943.6	903.4
20°	711.6	615.7	680.6	745.6	804.4	860.1	804.4	745.6	761.1	776.5	881.7
22.5°	751.8	810.6	754.9	699.2	767.3	832.2	804.4	776.5	826.0	872.5	829.1
25°	748.7	649.7	742.5	835.3	773.5	708.5	742.5	776.5	751.8	724.0	804.4
27.5°	863.2	819.9	795.1	767.3	801.3	835.3	764.2	693.0	693.0	693.0	683.7
30°	1079.7	965.3	915.8	863.2	779.6	696.1	671.4	646.6	649.7	652.8	699.2
32.5°	1206.6	1163.3	1014.8	866.3	788.9	711.6	646.6	581.6	587.8	594.0	652.8
35°	1318.0	1283.9	1085.9	884.8	758.0	628.0	572.4	513.6	541.4	566.2	615.7
37.5°	1444.8	1352.0	1082.8	810.6	674.5	538.3	504.3	470.3	488.8	504.3	535.2
40°	1559.3	1379.8	1055.0	727.0	590.9	451.7	436.2	417.7	433.1	448.6	467.2
42.5°	1683.0	1420.1	1014.8	606.4	498.1	389.8	383.6	377.4	392.9	408.4	420.8
45°	1778.9	1426.2	962.2	495.0	423.9	352.7	352.7	349.6	365.1	377.4	383.6
47.5°	1840.8	1358.2	878.6	396.0	365.1	334.1	337.2	337.2	349.6	358.9	362.0
50°	1884.1	1246.8	798.2	349.6	334.1	318.7	318.7	318.7	331.0	340.3	346.5
52.5°	1915.1	1123.1	724.0	321.8	315.6	306.3	306.3	303.2	318.7	334.1	337.2
55°	1924.4	996.2	649.7	300.1	293.9	287.7	293.9	297.0	315.6	331.0	334.1
57.5°	1946.0	897.2	587.8	278.4	275.3	272.3	281.5	290.8	309.4	327.9	327.9
60°	1989.3	832.2	544.5	256.8	256.8	256.8	272.3	284.6	303.2	321.8	318.7
62.5°	2029.5	773.5	504.3	235.1	238.2	241.3	259.9	278.4	297.0	315.6	312.5
65°	2035.7	680.6	448.6	216.6	222.8	225.8	247.5	269.2	287.7	306.3	300.1
67.5°	*1967.7*	*532.1*	*365.1*	*198.0*	*207.3*	*213.5*	*238.2*	*259.9*	*278.4*	*293.9*	*287.7*
70°	1843.9	380.5	281.5	182.5	191.8	198.0	222.8	244.4	259.9	275.3	269.2
72.5°	1661.4	272.3	219.7	167.1	173.3	179.4	201.1	222.8	241.3	256.8	250.6
75°	1370.6	219.7	185.6	151.6	157.8	160.9	182.5	201.1	219.7	235.1	225.8
77.5°	909.6	179.4	157.8	136.1	139.2	142.3	160.9	176.3	191.8	204.2	198.0
80°	439.3	145.4	133.0	117.6	120.7	120.7	136.1	151.6	164.0	173.3	170.2
82.5°	179.4	114.5	105.2	95.9	95.9	95.9	111.4	123.8	136.1	145.4	139.2
85°	111.4	89.7	83.5	74.3	71.2	68.1	74.3	80.4	86.6	89.7	86.6
87.5°	15.5	15.5	18.6	21.7	18.6	12.4	18.6	24.8	24.8	21.7	18.6
90°	0.0	0.0	9.3	9.3	6.2	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1197.3	1197.3	1197.3	1197.3
2.5°	1067.4	1067.4	1067.4	1073.6
5°	1064.3	1064.3	1064.3	1070.5
7.5°	993.1	962.2	931.2	934.3
10°	1113.8	1116.9	1116.9	1120.0
12.5°	1017.9	968.4	918.9	925.1
15°	1036.4	1036.4	1033.3	1036.4
17.5°	863.2	847.7	832.2	832.2
20°	986.9	986.9	986.9	986.9
22.5°	785.8	782.7	779.6	782.7
25°	884.8	887.9	887.9	884.8
27.5°	674.5	714.7	751.8	754.9
30°	742.5	742.5	742.5	742.5
32.5°	711.6	742.5	773.5	776.5
35°	662.1	659.0	655.9	665.2
37.5°	563.1	556.9	550.7	550.7
40°	485.7	473.4	461.0	461.0
42.5°	430.0	420.8	408.4	405.3
45°	389.8	380.5	368.2	368.2
47.5°	362.0	355.8	349.6	346.5
50°	349.6	343.4	337.2	337.2
52.5°	340.3	337.2	331.0	331.0
55°	334.1	331.0	324.9	324.9
57.5°	327.9	324.9	318.7	318.7
60°	315.6	312.5	309.4	309.4
62.5°	306.3	303.2	300.1	300.1
65°	293.9	293.9	290.8	287.7
67.5°	*278.4*	*278.4*	*278.4*	*272.3*
70°	259.9	259.9	259.9	253.7
72.5°	241.3	241.3	238.2	228.9
75°	216.6	213.5	210.4	204.2
77.5°	191.8	185.6	179.4	176.3
80°	164.0	157.8	151.6	145.4
82.5°	129.9	126.8	120.7	105.2
85°	80.4	71.2	58.8	52.6
87.5°	15.5	12.4	9.3	3.1
90°	0.0	0.0	0.0	0.0

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