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: P561135

Luminaire Tested: **SDL-PA1-80-760-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P561135
	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-PA1-80-760-U-T2U
Description:	Springdale
	(1) 70 CRI, 5700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9440.2 lumens
Efficiency:	N/A
Efficacy:	115.1 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):	82
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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Scaled Data Report

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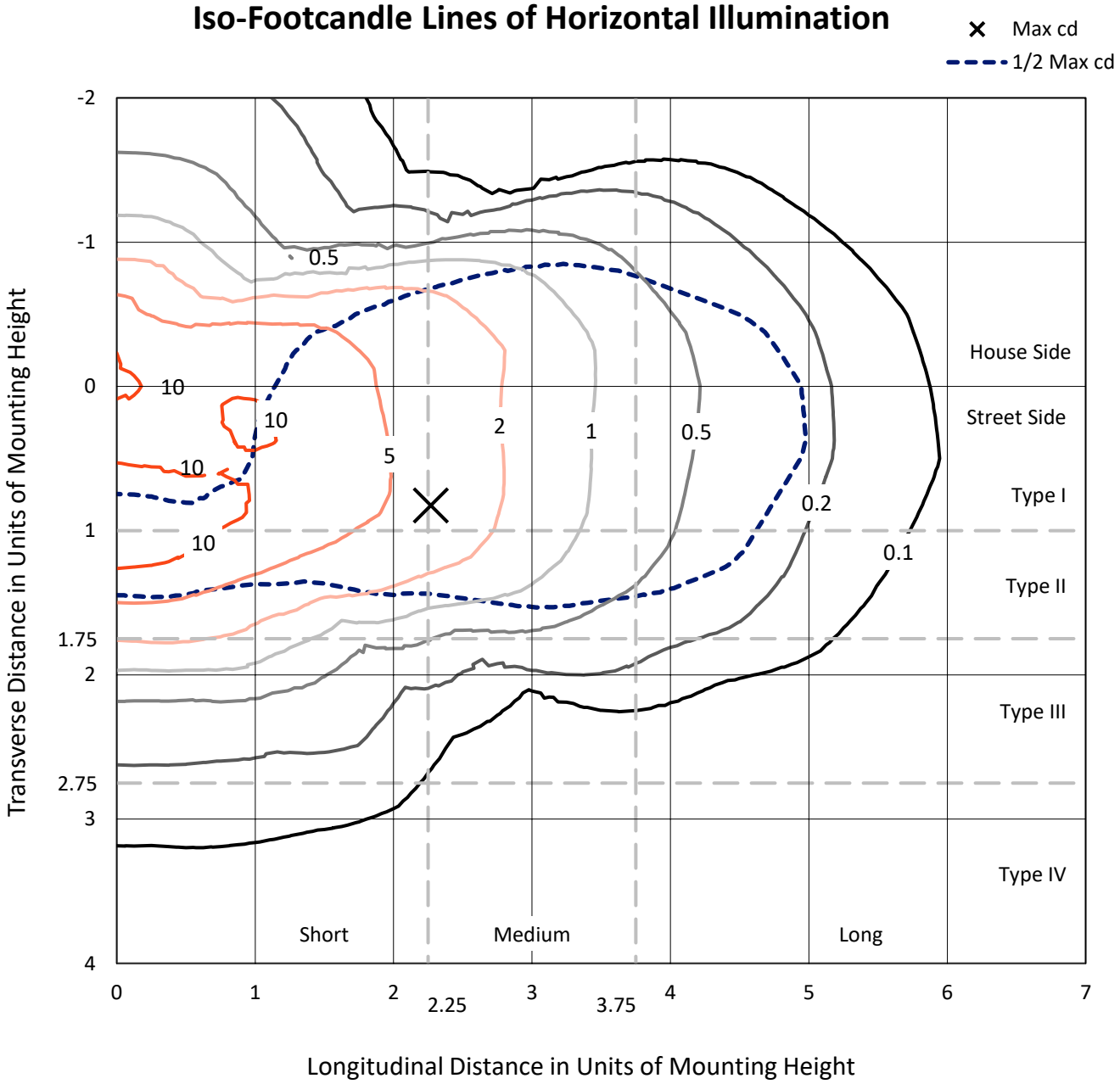
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 17.1 fc
Type II - Medium - N/A

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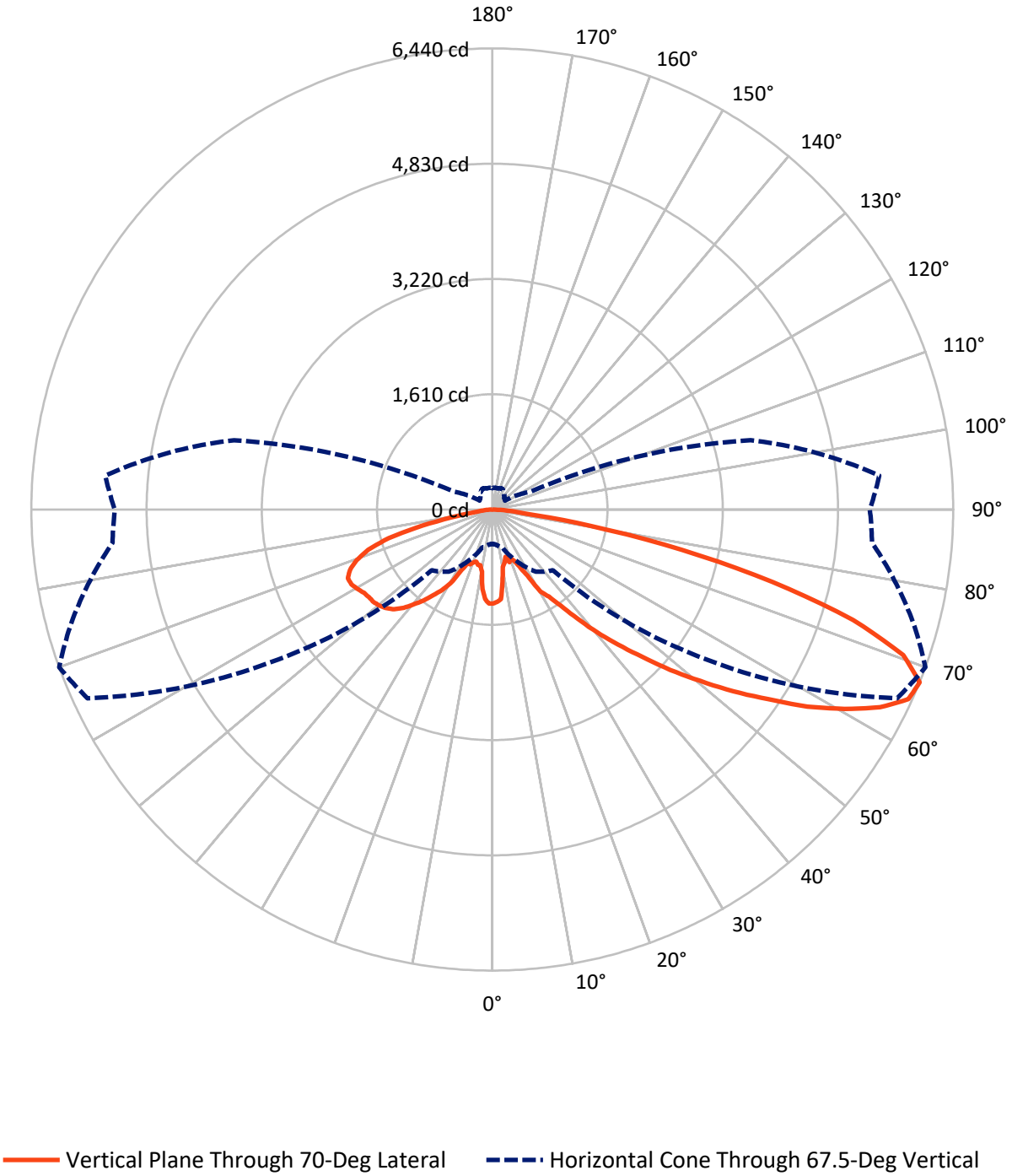
Luminous Intensity Polar Plot



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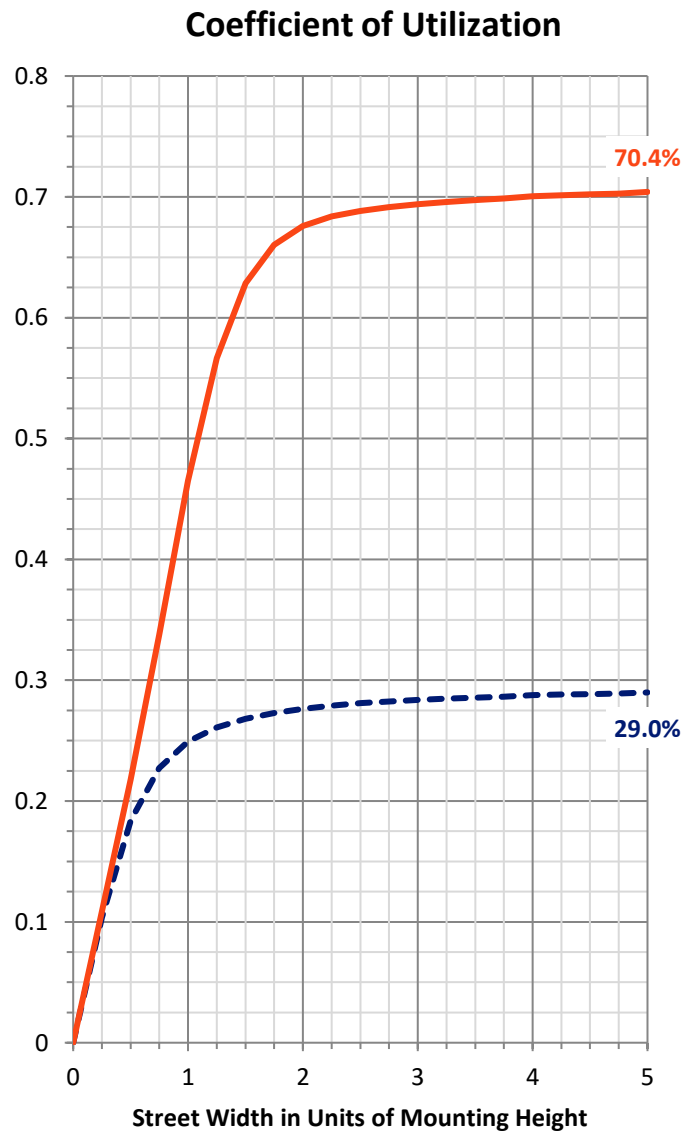
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2768.4	0.0	2768.4
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	6671.8	0.0	6671.8
	% Fixture	70.7	0.0	70.7
Total	Lumens	9440.2	0.0	9440.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	1.1
10°-20°	247.2	2.6
20°-30°	439.1	4.7
30°-40°	928.3	9.8
40°-50°	1699.4	18.0
50°-60°	2318.3	24.6
60°-70°	2185.6	23.2
70°-80°	1322.7	14.0
80°-90°	194.3	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°	9440.2	100.0
0°-180°	9440.2	100.0



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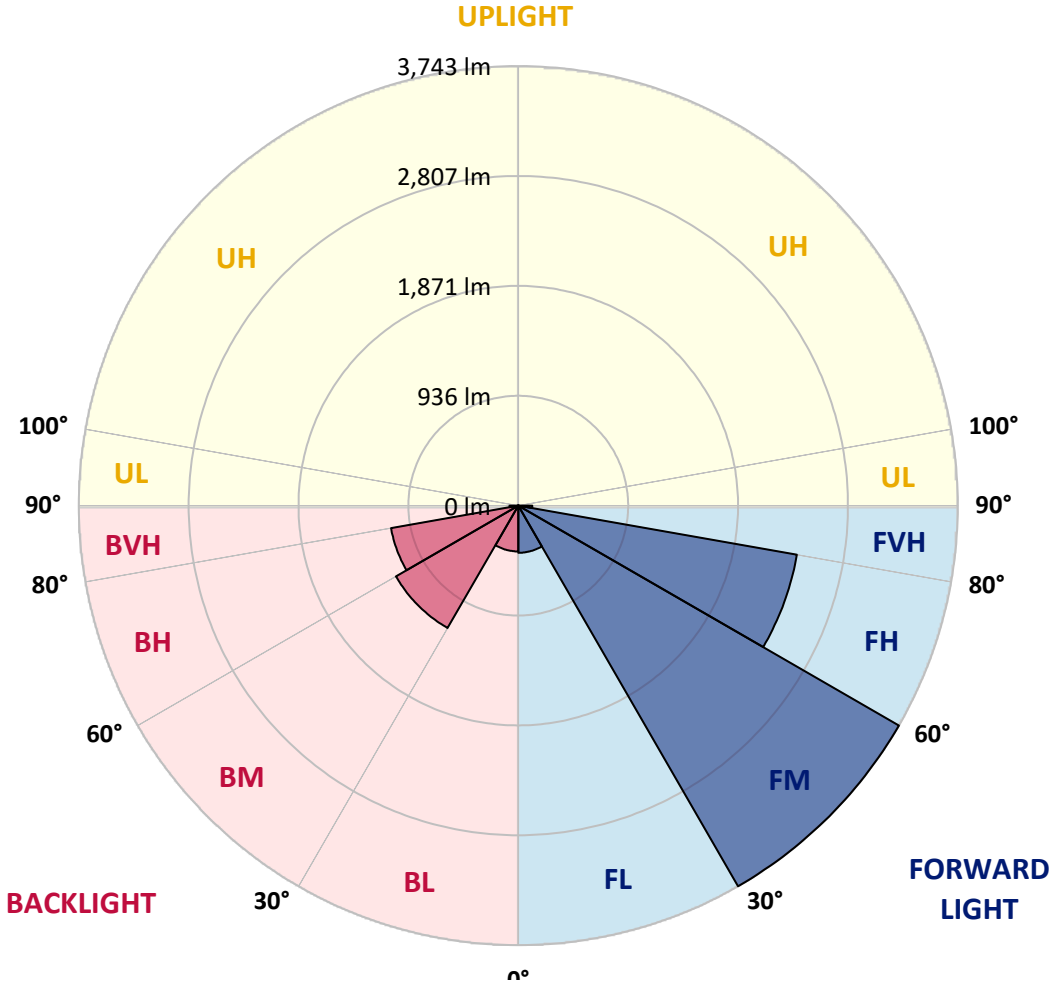
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	401.7	4.3			
FM	(30°-60°)	3742.5	39.6			
FH	(60°-80°)	2408.5	25.5			G2/5000
FVH	(80°-90°)	119.1	1.3			G2/225
BL	(0°-30°)	389.9	4.1	B1/500		
BM	(30°-60°)	1203.5	12.7	B2/2500		
BH	(60°-80°)	1099.8	11.7	B3/2500		G3/2500
BVH	(80°-90°)	75.2	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°	1314.4	1314.4	1314.4	1314.4	1314.4	1314.4	1314.4	1314.4	1314.4	1314.4	1314.4
2.5°	1103.9	1114.0	1182.0	1249.9	1253.3	1253.3	1256.7	1260.1	1270.3	1277.1	1283.9
5°	1029.1	1035.9	1035.9	1035.9	1039.3	1042.7	1046.1	1046.1	1052.9	1056.3	1063.1
7.5°	862.7	930.6	954.4	974.8	988.4	998.6	1005.4	1012.1	1018.9	1025.7	1032.5
10°	981.6	981.6	985.0	985.0	985.0	981.6	913.6	842.3	876.3	910.3	859.3
12.5°	808.4	821.9	883.1	940.8	957.8	971.4	937.4	900.1	838.9	777.8	771.0
15°	961.2	961.2	961.2	957.8	896.7	832.1	767.6	699.7	740.4	781.2	720.1
17.5°	832.1	832.1	883.1	930.6	927.2	920.4	862.7	801.6	706.5	608.0	686.1
20°	1049.5	1046.1	1029.1	1008.8	883.1	757.4	784.6	811.8	818.5	821.9	798.2
22.5°	937.4	940.8	961.2	981.6	985.0	988.4	842.3	692.9	777.8	862.7	781.2
25°	1304.2	1297.4	1266.9	1232.9	1093.7	951.0	978.2	1005.4	866.1	723.4	811.8
27.5°	1239.7	1219.3	1205.7	1192.2	1215.9	1239.7	1110.6	978.2	1008.8	1039.3	927.2
30°	1773.0	1773.0	1739.0	1701.6	1491.0	1277.1	1243.1	1209.1	1127.6	1042.7	1063.1
32.5°	2245.1	2245.1	2119.4	1990.3	1864.7	1739.0	1572.6	1406.1	1372.2	1334.8	1300.8
35°	2825.9	2808.9	2737.6	2662.8	2391.1	2119.4	1905.4	1691.4	1623.5	1555.6	1521.6
37.5°	3369.3	3331.9	3233.4	3131.5	2846.2	2557.5	2275.6	1993.7	1919.0	1844.3	1769.6
40°	3817.6	3797.2	3729.3	3658.0	3335.3	3012.7	2693.4	2370.7	2272.2	2173.7	2065.1
42.5°	4228.6	4211.6	4150.5	4085.9	3766.7	3444.0	3141.7	2836.0	2690.0	2544.0	2414.9
45°	4530.9	4503.7	4463.0	4418.8	4164.1	3905.9	3600.3	3291.2	3233.4	3175.7	2924.4
47.5°	4626.0	4578.4	4571.6	4564.8	4361.1	4157.3	3912.7	3668.2	3678.4	3688.6	3396.5
50°	4486.7	4415.4	4446.0	4476.5	4395.0	4310.1	4119.9	3929.7	4014.6	4096.1	3865.2
52.5°	3980.7	3963.7	4041.8	4116.5	4136.9	4157.3	4116.5	4072.4	4228.6	4384.8	4299.9
55°	3284.4	3359.1	3467.8	3576.5	3661.4	3742.9	3861.8	3980.7	4249.0	4517.3	4578.4
57.5°	2588.1	2666.2	2791.9	2917.6	3016.1	3114.6	3359.1	3603.6	4007.8	4412.0	4687.1
60°	1742.4	1823.9	2031.1	2234.9	2374.1	2513.4	2734.2	2954.9	3464.4	3973.9	4530.9
62.5°	1161.6	1134.4	1307.6	1477.5	1701.6	1925.8	2024.3	2119.4	2652.6	3182.5	4082.6
65°	713.3	716.7	784.6	849.1	1097.1	1341.6	1419.7	1494.4	1796.7	2099.0	3325.1
67.5°	*478.9*	*489.1*	*519.7*	*550.2*	*669.1*	*788.0*	*923.8*	*1059.7*	*1131.0*	*1199.0*	*2425.1*
70°	424.6	428.0	441.5	455.1	489.1	523.1	648.7	774.4	733.6	689.5	1375.6
72.5°	373.6	377.0	400.8	421.2	438.1	455.1	529.8	604.6	557.0	509.5	686.1
75°	305.7	315.9	339.6	360.0	394.0	424.6	441.5	458.5	434.7	407.6	441.5
77.5°	251.3	258.1	275.1	292.1	326.1	356.6	373.6	390.6	353.2	315.9	336.3
80°	197.0	200.4	214.0	227.6	254.7	278.5	298.9	315.9	281.9	244.5	254.7
82.5°	118.9	122.3	142.7	159.6	183.4	203.8	217.4	227.6	237.8	244.5	214.0
85°	64.5	64.5	78.1	91.7	95.1	98.5	112.1	122.3	152.8	180.0	156.2
87.5°	10.2	10.2	13.6	13.6	20.4	23.8	27.2	27.2	30.6	30.6	34.0
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°	1314.4	1314.4	1314.4	*1314.4*	1314.4	1314.4	1314.4	1314.4	1314.4	1314.4	1314.4
2.5°	1287.3	1290.7	1290.7	*1290.7*	1294.1	1297.4	1300.8	1300.8	1304.2	1307.6	1311.0
5°	1069.9	1158.2	1243.1	*1256.7*	1266.9	1273.7	1280.5	1283.9	1290.7	1297.4	1300.8
7.5°	1039.3	1039.3	1039.3	*1015.5*	1103.9	1114.0	1124.2	1131.0	1137.8	1131.0	1120.8
10°	805.0	805.0	801.6	*808.4*	845.7	910.3	971.4	978.2	985.0	930.6	872.9
12.5°	760.8	771.0	781.2	*764.2*	696.3	754.0	811.8	821.9	825.3	777.8	726.8
15°	655.5	658.9	662.3	*686.1*	825.3	883.1	940.8	951.0	961.2	910.3	855.9
17.5°	760.8	737.0	709.9	*774.4*	720.1	757.4	791.4	709.9	784.6	771.0	757.4
20°	774.4	692.9	608.0	*723.4*	845.7	903.5	957.8	964.6	968.0	927.2	883.1
22.5°	699.7	777.8	855.9	*777.8*	730.2	723.4	716.7	713.3	716.7	740.4	760.8
25°	900.1	801.6	703.1	*883.1*	995.2	1022.3	1049.5	1035.9	1029.1	978.2	927.2
27.5°	815.2	893.3	968.0	*1042.7*	1076.7	1114.0	1148.0	1158.2	1103.9	1049.5	995.2
30°	1080.1	1127.6	1171.8	*1324.6*	1436.7	1470.7	1504.6	1470.7	1450.3	1382.4	1311.0
32.5°	1263.5	1358.6	1453.7	*1450.3*	1555.6	1582.8	1606.5	1562.4	1525.0	1450.3	1372.2
35°	1487.7	1548.8	1609.9	*1643.9*	1749.2	1759.4	1769.6	1711.8	1657.5	1569.2	1480.9
37.5°	1694.8	1773.0	1847.7	*1932.6*	2024.3	2003.9	1980.1	1908.8	1820.5	1752.6	1684.6
40°	1953.0	2048.1	2143.2	*2251.9*	2306.2	2275.6	2241.7	2133.0	2048.1	1976.7	1905.4
42.5°	2282.4	2384.3	2482.8	*2577.9*	2598.3	2564.3	2527.0	2408.1	2279.0	2207.7	2133.0
45°	2669.6	2751.1	2832.7	*2931.1*	2971.9	2910.8	2846.2	2696.8	2544.0	2442.1	2340.2
47.5°	3101.0	3138.3	3175.7	*3345.5*	3399.9	3298.0	3192.7	3029.6	2815.7	2683.2	2547.3
50°	3634.2	3624.0	3610.4	*3759.9*	3885.6	3715.7	3542.5	3352.3	3141.7	2954.9	2764.7
52.5°	4215.0	4116.5	4014.6	*4215.0*	4276.2	4072.4	3868.6	3664.8	3454.2	3213.1	2968.5
55°	4639.6	4585.2	4530.9	*4673.5*	4666.7	4429.0	4187.8	3946.7	3773.5	3450.8	3128.1
57.5°	4958.8	5006.4	5050.5	*5193.2*	5030.2	4758.4	4486.7	4245.6	4096.1	3692.0	3287.8
60°	5084.5	5329.1	5570.2	*5655.1*	5407.2	5101.5	4792.4	4554.7	4429.0	3939.9	3450.8
62.5°	4982.6	5522.7	6062.7	*6079.7*	5753.6	5410.6	5067.5	4873.9	4809.4	4208.2	3603.6
65°	4551.3	5441.1	6327.6	*6388.8*	6021.9	5661.9	5298.5	5155.8	5196.6	4459.6	3719.1
67.5°	*3647.8*	*4945.3*	*6239.3*	*6439.7*	*6086.5*	*5706.1*	*5325.7*	*5274.7*	*5427.6*	*4581.8*	*3736.1*
70°	2061.7	3800.6	5536.2	*6093.3*	5906.5	5529.4	5149.0	5172.8	5400.4	4513.9	3627.4
72.5°	859.3	2628.9	4398.4	*5271.3*	5434.3	5115.1	4792.4	4880.7	5037.0	4194.6	3348.9
75°	475.5	1677.9	2880.2	*4041.8*	4544.5	4459.6	4371.3	4469.7	4395.0	3579.9	2764.7
77.5°	353.2	906.9	1460.5	*2707.0*	3420.2	3613.8	3804.0	3851.6	3433.8	2615.3	1796.7
80°	264.9	431.4	594.4	*1382.4*	1834.1	2180.5	2527.0	2313.0	2020.9	1412.9	805.0
82.5°	183.4	247.9	312.5	*444.9*	713.3	821.9	927.2	883.1	662.3	465.3	264.9
85°	129.1	163.0	197.0	*244.5*	305.7	244.5	183.4	149.4	173.2	159.6	146.0
87.5°	34.0	34.0	30.6	*34.0*	23.8	20.4	17.0	13.6	13.6	13.6	13.6
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°	1314.4	1314.4	1314.4	1314.4	1314.4	1314.4	1314.4	1314.4	1314.4	1314.4	1314.4
2.5°	1314.4	1317.8	1317.8	1317.8	1317.8	1314.4	1297.4	1280.5	1239.7	1199.0	1185.4
5°	1256.7	1212.5	1178.6	1144.6	1144.6	1144.6	1151.4	1158.2	1161.6	1165.0	1168.4
7.5°	1120.8	1117.4	1131.0	1144.6	1154.8	1165.0	1171.8	1178.6	1165.0	1151.4	1120.8
10°	876.3	876.3	893.3	906.9	930.6	954.4	1022.3	1090.3	1148.0	1205.7	1215.9
12.5°	794.8	859.3	821.9	781.2	866.1	951.0	1025.7	1097.1	1154.8	1209.1	1165.0
15°	798.2	737.0	750.6	764.2	855.9	947.6	879.7	808.4	944.2	1076.7	1107.2
17.5°	760.8	764.2	825.3	886.5	794.8	699.7	818.5	937.4	988.4	1035.9	991.8
20°	781.2	675.9	747.2	818.5	883.1	944.2	883.1	818.5	835.5	852.5	968.0
22.5°	825.3	889.9	828.7	767.6	842.3	913.6	883.1	852.5	906.9	957.8	910.3
25°	821.9	713.3	815.2	917.0	849.1	777.8	815.2	852.5	825.3	794.8	883.1
27.5°	947.6	900.1	872.9	842.3	879.7	917.0	838.9	760.8	760.8	760.8	750.6
30°	1185.4	1059.7	1005.4	947.6	855.9	764.2	737.0	709.9	713.3	716.7	767.6
32.5°	1324.6	1277.1	1114.0	951.0	866.1	781.2	709.9	638.5	645.3	652.1	716.7
35°	1446.9	1409.5	1192.2	971.4	832.1	689.5	628.3	563.8	594.4	621.6	675.9
37.5°	1586.1	1484.3	1188.8	889.9	740.4	591.0	553.6	516.3	536.6	553.6	587.6
40°	1711.8	1514.8	1158.2	798.2	648.7	495.9	478.9	458.5	475.5	492.5	512.9
42.5°	1847.7	1559.0	1114.0	665.7	546.8	428.0	421.2	414.4	431.4	448.3	461.9
45°	1953.0	1565.8	1056.3	543.4	465.3	387.2	387.2	383.8	400.8	414.4	421.2
47.5°	2020.9	1491.0	964.6	434.7	400.8	366.8	370.2	370.2	383.8	394.0	397.4
50°	2068.4	1368.8	876.3	383.8	366.8	349.8	349.8	349.8	363.4	373.6	380.4
52.5°	2102.4	1232.9	794.8	353.2	346.4	336.3	336.3	332.9	349.8	366.8	370.2
55°	2112.6	1093.7	713.3	329.5	322.7	315.9	322.7	326.1	346.4	363.4	366.8
57.5°	2136.4	985.0	645.3	305.7	302.3	298.9	309.1	319.3	339.6	360.0	360.0
60°	2183.9	913.6	597.8	281.9	281.9	281.9	298.9	312.5	332.9	353.2	349.8
62.5°	2228.1	849.1	553.6	258.1	261.5	264.9	285.3	305.7	326.1	346.4	343.0
65°	2234.9	747.2	492.5	237.8	244.5	247.9	271.7	295.5	315.9	336.3	329.5
67.5°	*2160.2*	*584.2*	*400.8*	*217.4*	*227.6*	*234.4*	*261.5*	*285.3*	*305.7*	*322.7*	*315.9*
70°	2024.3	417.8	309.1	200.4	210.6	217.4	244.5	268.3	285.3	302.3	295.5
72.5°	1823.9	298.9	241.1	183.4	190.2	197.0	220.8	244.5	264.9	281.9	275.1
75°	1504.6	241.1	203.8	166.4	173.2	176.6	200.4	220.8	241.1	258.1	247.9
77.5°	998.6	197.0	173.2	149.4	152.8	156.2	176.6	193.6	210.6	224.2	217.4
80°	482.3	159.6	146.0	129.1	132.5	132.5	149.4	166.4	180.0	190.2	186.8
82.5°	197.0	125.7	115.5	105.3	105.3	105.3	122.3	135.9	149.4	159.6	152.8
85°	122.3	98.5	91.7	81.5	78.1	74.7	81.5	88.3	95.1	98.5	95.1
87.5°	17.0	17.0	20.4	23.8	20.4	13.6	20.4	27.2	27.2	23.8	20.4
90°	0.0	0.0	10.2	10.2	6.8	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1314.4	1314.4	1314.4	1314.4
2.5°	1171.8	1171.8	1171.8	1178.6
5°	1168.4	1168.4	1168.4	1175.2
7.5°	1090.3	1056.3	1022.3	1025.7
10°	1222.7	1226.1	1226.1	1229.5
12.5°	1117.4	1063.1	1008.8	1015.5
15°	1137.8	1137.8	1134.4	1137.8
17.5°	947.6	930.6	913.6	913.6
20°	1083.5	1083.5	1083.5	1083.5
22.5°	862.7	859.3	855.9	859.3
25°	971.4	974.8	974.8	971.4
27.5°	740.4	784.6	825.3	828.7
30°	815.2	815.2	815.2	815.2
32.5°	781.2	815.2	849.1	852.5
35°	726.8	723.4	720.1	730.2
37.5°	618.2	611.4	604.6	604.6
40°	533.2	519.7	506.1	506.1
42.5°	472.1	461.9	448.3	444.9
45°	428.0	417.8	404.2	404.2
47.5°	397.4	390.6	383.8	380.4
50°	383.8	377.0	370.2	370.2
52.5°	373.6	370.2	363.4	363.4
55°	366.8	363.4	356.6	356.6
57.5°	360.0	356.6	349.8	349.8
60°	346.4	343.0	339.6	339.6
62.5°	336.3	332.9	329.5	329.5
65°	322.7	322.7	319.3	315.9
67.5°	*305.7*	*305.7*	*305.7*	*298.9*
70°	285.3	285.3	285.3	278.5
72.5°	264.9	264.9	261.5	251.3
75°	237.8	234.4	231.0	224.2
77.5°	210.6	203.8	197.0	193.6
80°	180.0	173.2	166.4	159.6
82.5°	142.7	139.3	132.5	115.5
85°	88.3	78.1	64.5	57.7
87.5°	17.0	13.6	10.2	3.4
90°	0.0	0.0	0.0	0.0

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