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: P561231

Luminaire Tested: **SDL-PA1-90-727-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P561231
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-90-727-U-T4W
Description:	Springdale
	(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8505.9 lumens
Efficiency:	N/A
Efficacy:	92.1 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:	B2 - U0 - G3

Input Watts (W):	92.4
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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Scaled Data Report

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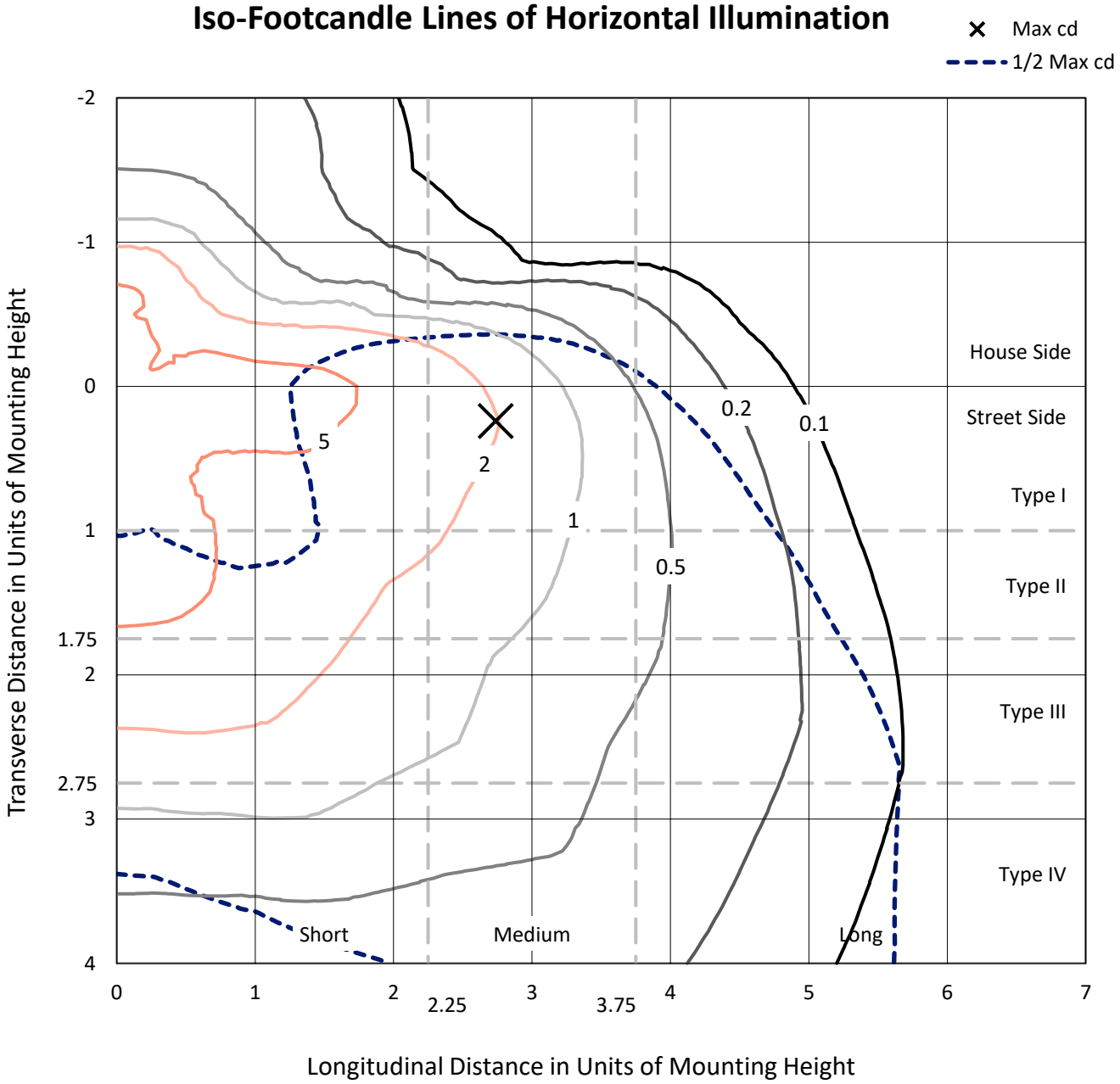
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
Type IV - Medium - N/A

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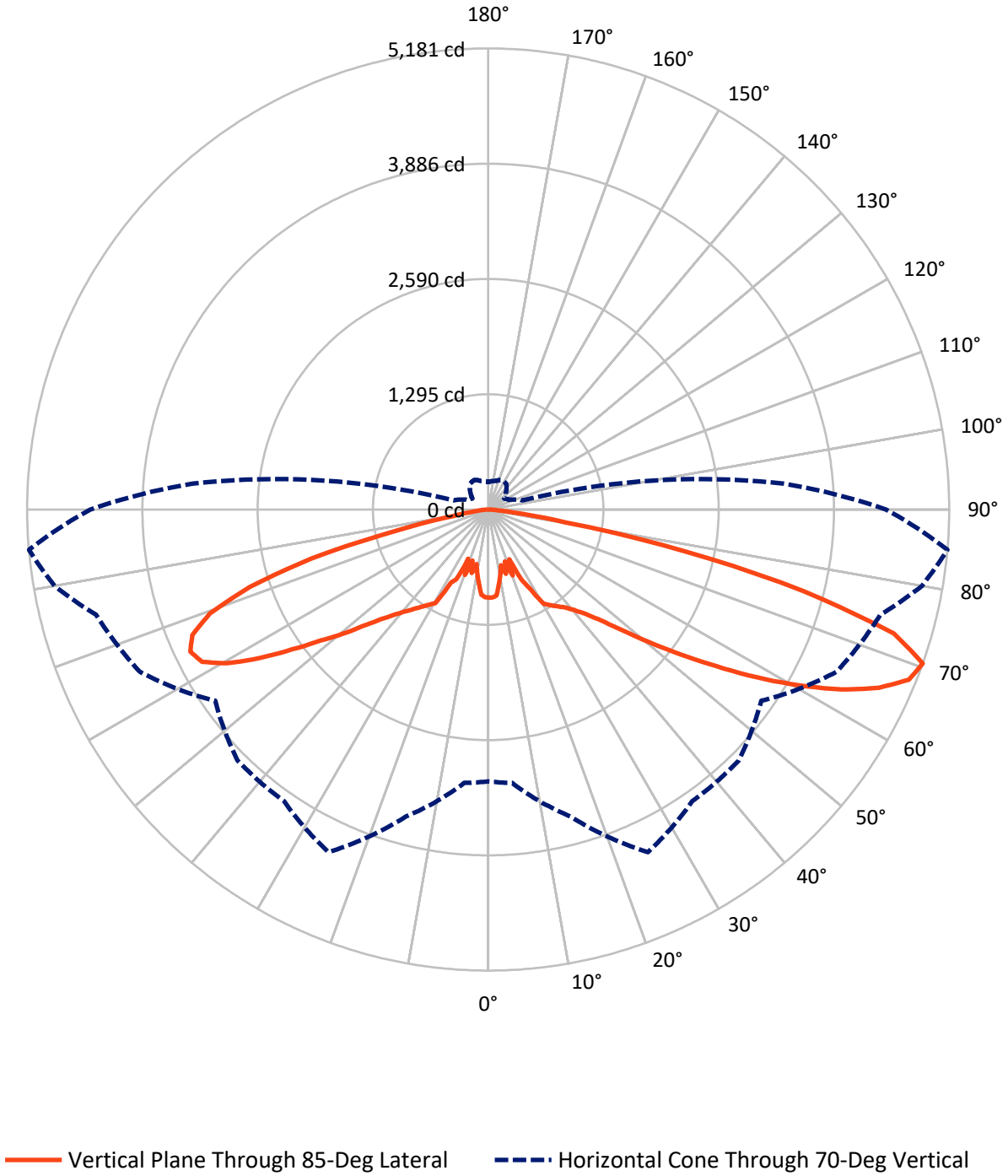
Luminous Intensity Polar Plot



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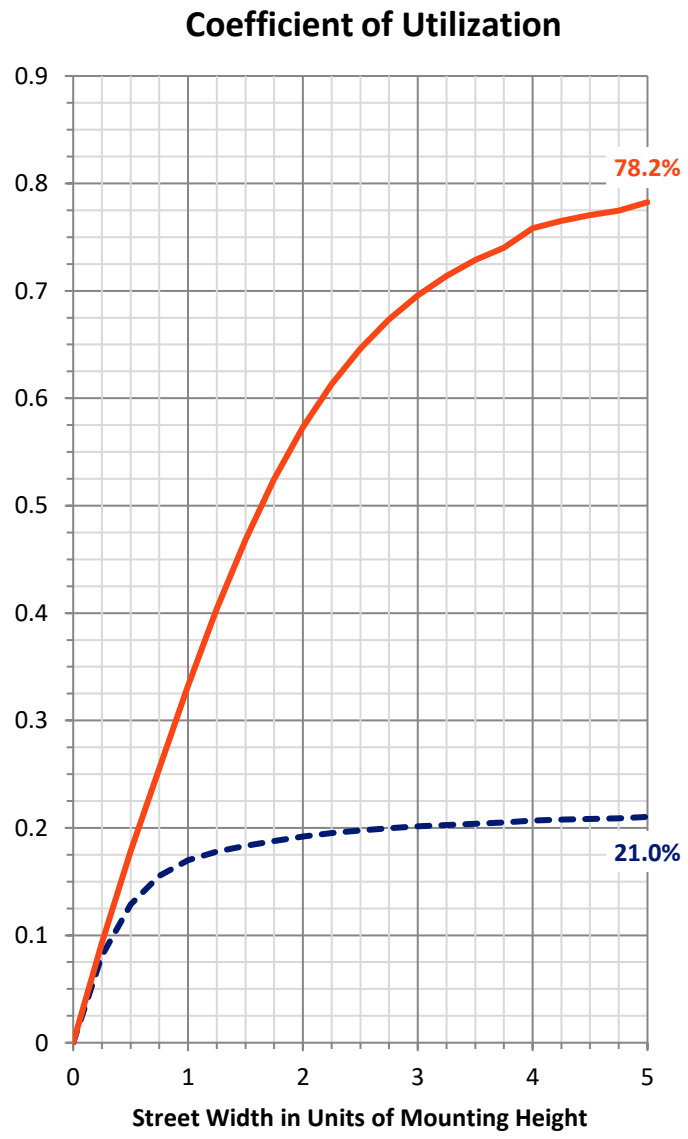
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1828.8	0.0	1828.8
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	6677.0	0.0	6677.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	8505.9	0.0	8505.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	1.0
10°-20°	207.0	2.4
20°-30°	361.9	4.3
30°-40°	637.4	7.5
40°-50°	961.6	11.3
50°-60°	1529.6	18.0
60°-70°	2243.0	26.4
70°-80°	2103.3	24.7
80°-90°	379.8	4.5
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°	8505.9	100.0
0°-180°	8505.9	100.0



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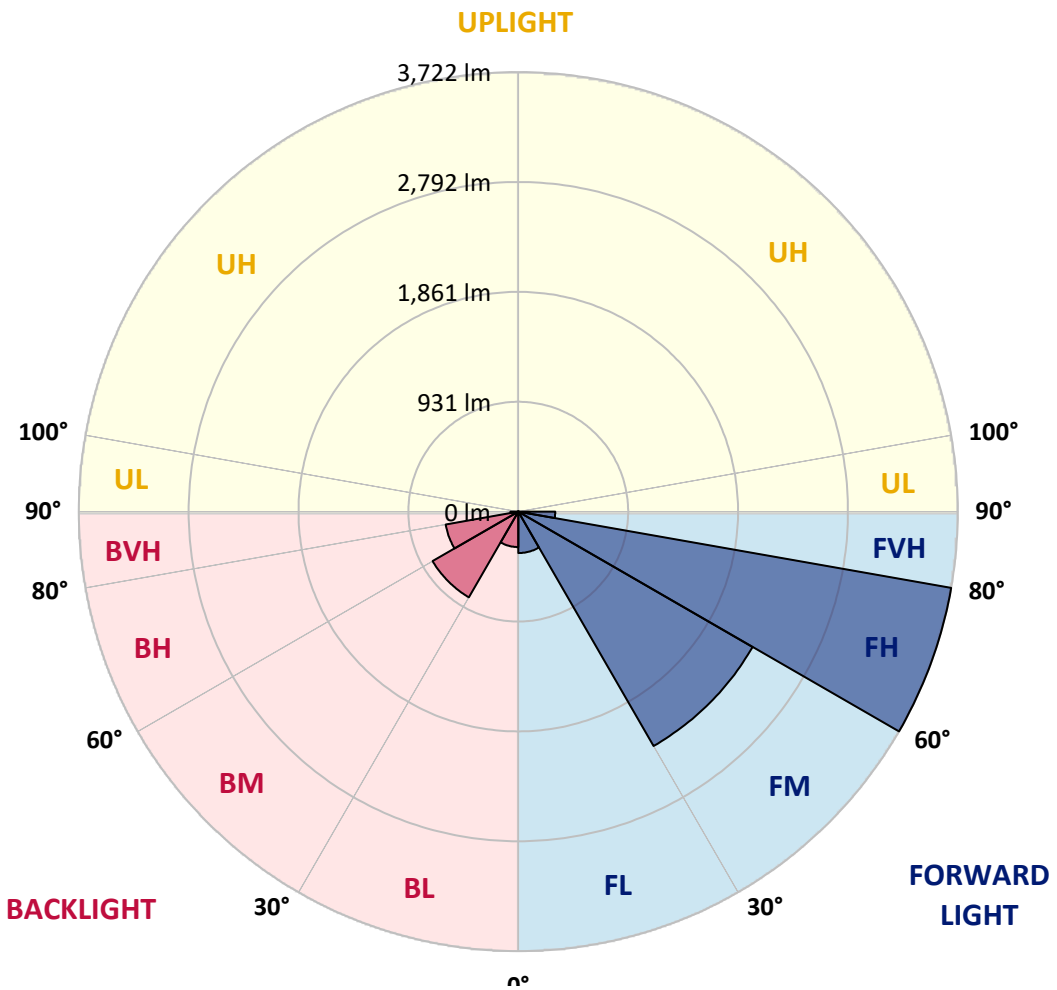
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	350.7	4.1			
FM	(30°-60°)	2291.5	26.9			
FH	(60°-80°)	3722.1	43.8			G2/5000
FVH	(80°-90°)	312.7	3.7			G3/500
BL	(0°-30°)	300.3	3.5	B1/500		
BM	(30°-60°)	837.2	9.8	B1/1000		
BH	(60°-80°)	624.3	7.3	B2/1000		G2/1000
BVH	(80°-90°)	67.1	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Medium



REPORT NUMBER: P561231
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1
2.5°	898.0	935.7	954.5	973.4	979.7	985.9	985.9	982.8	982.8	982.8	989.1
5°	913.7	910.6	910.6	910.6	907.4	904.3	901.2	894.9	891.7	885.5	882.3
7.5°	838.4	901.2	904.3	907.4	907.4	904.3	910.6	916.9	910.6	901.2	888.6
10°	995.4	992.2	985.9	979.7	970.2	960.8	888.6	813.2	819.5	825.8	766.1
12.5°	863.5	923.1	948.3	973.4	976.5	976.5	926.3	872.9	803.8	734.8	706.5
15°	1055.0	1048.7	1036.2	1023.6	938.8	850.9	800.7	750.5	750.5	750.5	665.7
17.5°	888.6	885.5	942.0	998.5	967.1	935.7	863.5	791.3	684.5	574.6	643.7
20°	1089.6	1089.6	1073.9	1058.2	913.7	766.1	775.6	781.8	785.0	785.0	753.6
22.5°	913.7	907.4	913.7	916.9	916.9	916.9	785.0	653.1	725.3	794.4	722.2
25°	1089.6	1092.7	1089.6	1086.4	954.5	819.5	841.5	863.5	763.0	659.4	728.5
27.5°	951.4	948.3	932.6	916.9	920.0	923.1	854.1	781.8	822.7	863.5	791.3
30°	1164.9	1168.1	1158.6	1146.1	1014.2	882.3	876.0	866.6	838.4	810.1	835.2
32.5°	1406.7	1406.7	1309.4	1212.0	1130.4	1045.6	976.5	907.4	935.7	964.0	932.6
35°	1535.4	1529.2	1497.8	1463.2	1312.5	1158.6	1064.4	967.1	976.5	982.8	982.8
37.5°	1764.7	1761.5	1717.6	1673.6	1469.5	1262.3	1139.8	1014.2	1033.0	1048.7	1026.8
40°	2050.4	2050.4	2015.9	1978.2	1717.6	1453.8	1281.1	1108.4	1105.3	1099.0	1073.9
42.5°	2326.7	2336.1	2314.1	2292.2	1987.6	1683.0	1456.9	1230.9	1202.6	1174.3	1149.2
45°	2508.8	2521.4	2540.2	2559.1	2257.6	1956.2	1692.4	1425.5	1372.2	1315.6	1271.7
47.5°	2694.1	2675.2	2700.4	2725.5	2468.0	2210.5	1921.7	1632.8	1544.9	1456.9	1409.8
50°	2866.8	2860.5	2869.9	2879.3	2669.0	2458.6	2160.3	1862.0	1755.2	1645.3	1592.0
52.5°	3092.9	3070.9	3058.3	3045.8	2866.8	2687.8	2405.2	2119.5	1993.9	1865.1	1802.3
55°	3309.5	3300.1	3281.3	3259.3	3105.4	2951.6	2653.3	2355.0	2223.1	2091.2	2019.0
57.5°	3532.5	3526.2	3523.0	3519.9	3384.9	3249.9	2945.3	2637.6	2486.8	2333.0	2273.3
60°	3742.8	3746.0	3771.1	3793.1	3689.5	3585.8	3278.1	2970.4	2778.9	2584.2	2524.5
62.5°	3868.4	3877.8	3940.6	4000.3	3943.8	3887.3	3570.1	3249.9	3048.9	2844.8	2804.0
65°	3708.3	3755.4	3937.5	4119.6	4119.6	4119.6	3830.7	3538.7	3362.9	3187.1	3152.5
67.5°	3350.3	3397.4	3658.1	3915.5	4050.5	4185.6	3997.2	3808.8	3689.5	3567.0	3523.0
70°	*3055.2*	*3083.4*	*3328.4*	*3570.1*	*3909.2*	*4248.4*	*4125.9*	*4000.3*	*3994.0*	*3984.6*	*3865.3*
72.5°	2807.1	2869.9	3070.9	3268.7	3736.6	4204.4	4201.3	4198.1	4326.9	4455.6	4226.4
75°	2245.1	2238.8	2427.2	2615.6	3143.1	3667.5	3962.6	4254.6	4625.2	4992.5	4640.9
77.5°	1001.6	1070.7	1249.7	1428.7	1902.8	2373.8	2942.1	3510.5	4326.9	5140.1	4782.2
80°	285.7	301.4	351.7	398.8	621.7	841.5	1438.1	2031.6	3058.3	4081.9	3840.2
82.5°	150.7	157.0	188.4	216.7	279.5	339.1	565.2	788.1	1670.5	2549.6	2329.8
85°	72.2	65.9	84.8	100.5	135.0	169.6	260.6	351.7	646.8	942.0	813.2
87.5°	15.7	15.7	18.8	18.8	28.3	37.7	56.5	75.4	72.2	65.9	78.5
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°	989.1	989.1	989.1	989.1	989.1	989.1	*989.1*	989.1	989.1	989.1	989.1
2.5°	992.2	995.4	998.5	995.4	992.2	989.1	*989.1*	985.9	985.9	982.8	976.5
5°	879.2	923.1	967.1	970.2	973.4	973.4	*970.2*	967.1	960.8	957.7	951.4
7.5°	876.0	860.3	844.6	847.8	850.9	854.1	*854.1*	844.6	841.5	816.4	791.3
10°	703.4	687.7	672.0	681.4	690.8	725.3	*744.2*	737.9	731.6	687.7	640.6
12.5°	678.2	672.0	665.7	618.6	571.5	612.3	*640.6*	637.4	628.0	587.2	546.4
15°	580.9	584.0	584.0	637.4	690.8	725.3	*750.5*	744.2	737.9	687.7	637.4
17.5°	709.6	675.1	637.4	628.0	618.6	634.3	*612.3*	577.8	599.7	593.5	587.2
20°	719.1	634.3	546.4	634.3	722.2	744.2	*791.3*	788.1	778.7	734.8	690.8
22.5°	650.0	700.2	747.3	700.2	653.1	621.7	*606.0*	599.7	596.6	609.2	618.6
25°	797.5	703.4	606.0	722.2	835.2	860.3	*872.9*	863.5	860.3	803.8	747.3
27.5°	715.9	766.1	816.4	854.1	891.7	923.1	*1017.3*	926.3	923.1	869.8	813.2
30°	857.2	910.6	964.0	1061.3	1158.6	1212.0	*1230.9*	1224.6	1208.9	1124.1	1039.3
32.5°	901.2	1007.9	1111.5	1155.5	1196.3	1252.8	*1281.1*	1278.0	1262.3	1161.8	1058.2
35°	982.8	1061.3	1139.8	1199.5	1256.0	1309.4	*1334.5*	1343.9	1325.1	1199.5	1070.7
37.5°	1004.8	1105.3	1205.7	1268.5	1331.3	1372.2	*1394.1*	1422.4	1400.4	1249.7	1095.8
40°	1048.7	1168.1	1284.2	1347.0	1406.7	1444.4	*1482.1*	1516.6	1488.3	1306.2	1121.0
42.5°	1121.0	1243.4	1362.7	1435.0	1504.0	1557.4	*1601.4*	1648.5	1595.1	1359.6	1121.0
45°	1227.7	1340.8	1453.8	1551.1	1645.3	1711.3	*1774.1*	1840.0	1733.3	1428.7	1121.0
47.5°	1362.7	1472.6	1579.4	1733.3	1887.1	1946.8	*2022.1*	2084.9	1912.2	1516.6	1121.0
50°	1535.4	1657.9	1780.4	1984.5	2185.4	2241.9	*2336.1*	2383.2	2150.9	1651.6	1149.2
52.5°	1736.4	1871.4	2003.3	2241.9	2480.6	2574.8	*2700.4*	2731.8	2392.6	1786.6	1177.5
55°	1946.8	2128.9	2307.9	2571.6	2832.2	2923.3	*3102.3*	3127.4	2703.5	1953.1	1199.5
57.5°	2213.7	2427.2	2637.6	2895.0	3149.4	3278.1	*3557.6*	3567.0	3064.6	2157.2	1246.6
60°	2464.9	2731.8	2995.5	3240.4	3485.4	3686.3	*4009.7*	4012.9	3403.7	2311.0	1215.2
62.5°	2763.2	3080.3	3394.3	3604.7	3815.0	4063.1	*4452.5*	4395.9	3642.4	2329.8	1017.3
65°	3114.8	3441.4	3768.0	3946.9	4122.8	4405.4	*4826.1*	4609.5	3708.3	2223.1	734.8
67.5°	3475.9	3780.5	4085.1	4226.4	4367.7	4725.6	*5099.3*	4634.6	3611.0	2063.0	511.8
70°	*3746.0*	*4031.7*	*4317.4*	*4439.9*	*4562.4*	*4948.6*	*5180.9*	*4471.3*	*3337.8*	*1868.3*	*398.8*
72.5°	3994.0	4264.1	4531.0	4593.8	4653.4	4851.2	*4766.5*	3940.6	2813.4	1573.1	329.7
75°	4289.2	4461.9	4631.4	4518.4	4405.4	4138.5	*3658.1*	2873.1	2059.8	1171.2	282.6
77.5°	4424.2	4383.4	4339.4	3953.2	3567.0	2851.1	*2273.3*	1661.0	1045.6	643.7	241.8
80°	3598.4	3435.1	3268.7	2621.9	1975.0	1350.2	*885.5*	562.1	383.1	288.9	194.7
82.5°	2106.9	1727.0	1347.0	989.1	631.1	442.7	*288.9*	229.2	179.0	169.6	157.0
85°	681.4	602.9	524.4	414.5	304.6	188.4	*109.9*	100.5	94.2	103.6	109.9
87.5°	91.1	91.1	87.9	65.9	40.8	22.0	*12.6*	9.4	9.4	12.6	12.6
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°	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1
2.5°	976.5	973.4	970.2	967.1	964.0	957.7	932.6	907.4	898.0	885.5	876.0
5°	920.0	888.6	866.6	844.6	835.2	822.7	825.8	828.9	832.1	832.1	832.1
7.5°	797.5	803.8	807.0	807.0	816.4	822.7	828.9	832.1	819.5	807.0	791.3
10°	634.3	624.9	637.4	646.8	662.5	675.1	715.9	756.7	794.4	832.1	847.8
12.5°	577.8	609.2	584.0	558.9	609.2	656.3	712.8	769.3	803.8	835.2	807.0
15°	587.2	533.8	540.1	543.2	606.0	665.7	631.1	596.6	693.9	788.1	816.4
17.5°	577.8	568.3	602.9	634.3	574.6	515.0	599.7	681.4	725.3	769.3	756.7
20°	624.9	555.8	555.8	555.8	609.2	662.5	621.7	580.9	628.0	675.1	753.6
22.5°	646.8	672.0	621.7	568.3	602.9	637.4	637.4	634.3	687.7	737.9	725.3
25°	653.1	558.9	602.9	643.7	621.7	596.6	624.9	650.0	665.7	681.4	750.5
27.5°	747.3	681.4	631.1	577.8	618.6	659.4	650.0	640.6	653.1	665.7	681.4
30°	885.5	731.6	675.1	615.4	593.5	568.3	596.6	621.7	668.8	715.9	778.7
32.5°	926.3	791.3	700.2	606.0	602.9	596.6	606.0	612.3	665.7	715.9	803.8
35°	920.0	766.1	678.2	587.2	568.3	549.5	565.2	577.8	656.3	734.8	819.5
37.5°	913.7	728.5	637.4	546.4	533.8	518.1	533.8	549.5	609.2	668.8	747.3
40°	904.3	684.5	596.6	505.5	489.8	474.1	489.8	502.4	549.5	596.6	659.4
42.5°	882.3	640.6	552.6	461.6	449.0	433.3	445.9	458.4	499.3	540.1	577.8
45°	857.2	590.3	505.5	420.8	408.2	395.6	405.1	411.3	449.0	483.6	502.4
47.5°	828.9	536.9	458.4	379.9	367.4	354.8	364.2	370.5	398.8	427.0	433.3
50°	822.7	493.0	420.8	345.4	336.0	323.4	329.7	336.0	358.0	376.8	376.8
52.5°	810.1	439.6	379.9	317.1	310.9	301.4	304.6	307.7	323.4	339.1	336.0
55°	800.7	401.9	348.5	295.2	288.9	279.5	282.6	285.7	301.4	314.0	310.9
57.5°	810.1	370.5	323.4	273.2	266.9	260.6	266.9	273.2	288.9	304.6	304.6
60°	778.7	339.1	295.2	251.2	248.1	241.8	257.5	270.0	295.2	317.1	323.4
62.5°	665.7	310.9	273.2	235.5	238.6	238.6	266.9	292.0	326.6	358.0	364.2
65°	511.8	288.9	257.5	222.9	238.6	254.3	292.0	329.7	361.1	392.5	383.1
67.5°	392.5	273.2	248.1	219.8	254.3	285.7	320.3	354.8	370.5	383.1	367.4
70°	*329.7*	*257.5*	*238.6*	*216.7*	*251.2*	*285.7*	*320.3*	*354.8*	*361.1*	*367.4*	*351.7*
72.5°	288.9	244.9	226.1	207.2	235.5	263.8	304.6	342.3	348.5	351.7	336.0
75°	257.5	229.2	207.2	185.3	213.5	238.6	279.5	320.3	326.6	329.7	317.1
77.5°	226.1	210.4	185.3	160.1	188.4	216.7	254.3	292.0	301.4	310.9	295.2
80°	188.4	179.0	160.1	141.3	172.7	201.0	235.5	270.0	279.5	288.9	273.2
82.5°	150.7	144.4	131.9	119.3	150.7	182.1	216.7	248.1	257.5	263.8	244.9
85°	109.9	109.9	103.6	97.3	128.7	157.0	179.0	201.0	197.8	194.7	182.1
87.5°	15.7	15.7	22.0	28.3	37.7	44.0	56.5	65.9	69.1	69.1	53.4
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°	989.1	989.1	989.1	989.1
2.5°	866.6	866.6	863.5	869.8
5°	832.1	835.2	835.2	838.4
7.5°	775.6	759.9	741.0	744.2
10°	863.5	866.6	869.8	869.8
12.5°	775.6	763.0	747.3	750.5
15°	841.5	850.9	860.3	863.5
17.5°	741.0	737.9	734.8	731.6
20°	828.9	844.6	860.3	860.3
22.5°	712.8	712.8	712.8	715.9
25°	819.5	838.4	854.1	854.1
27.5°	693.9	737.9	781.8	816.4
30°	838.4	847.8	857.2	860.3
32.5°	888.6	935.7	979.7	989.1
35°	901.2	923.1	942.0	951.4
37.5°	825.8	844.6	863.5	876.0
40°	719.1	734.8	750.5	759.9
42.5°	612.3	615.4	618.6	634.3
45°	521.2	505.5	489.8	486.7
47.5°	436.5	414.5	392.5	389.4
50°	373.7	354.8	336.0	336.0
52.5°	329.7	317.1	304.6	304.6
55°	307.7	301.4	292.0	292.0
57.5°	304.6	301.4	298.3	298.3
60°	326.6	329.7	329.7	329.7
62.5°	367.4	370.5	370.5	370.5
65°	370.5	364.2	358.0	358.0
67.5°	351.7	342.3	332.8	326.6
70°	*332.8*	*326.6*	*317.1*	*307.7*
72.5°	317.1	310.9	301.4	292.0
75°	301.4	292.0	279.5	273.2
77.5°	279.5	273.2	263.8	257.5
80°	254.3	248.1	238.6	226.1
82.5°	226.1	229.2	229.2	197.8
85°	166.4	157.0	144.4	119.3
87.5°	34.5	31.4	25.1	22.0
90°	0.0	0.0	0.0	0.0

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