

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: P560562

Luminaire Tested: **SDL-PA1-50-740-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560562
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-PA1-50-740-U-T2U-HSS
Description: Springdale
(1) 70 CRI, 4000K, 670mA 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: 4648.5 lumens
Efficiency: N/A
Efficacy: 88.7 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

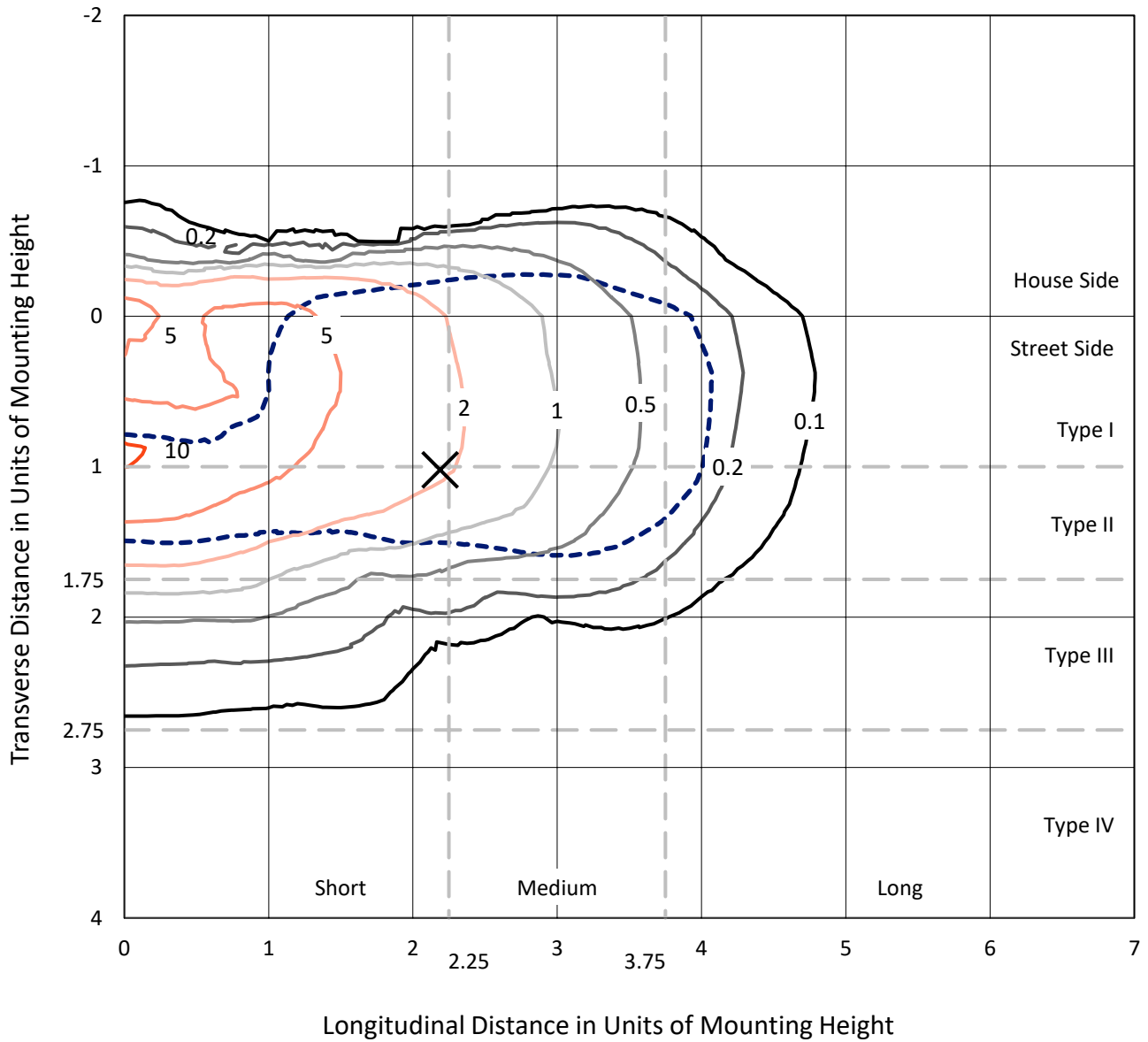
Input Watts (W): 52.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

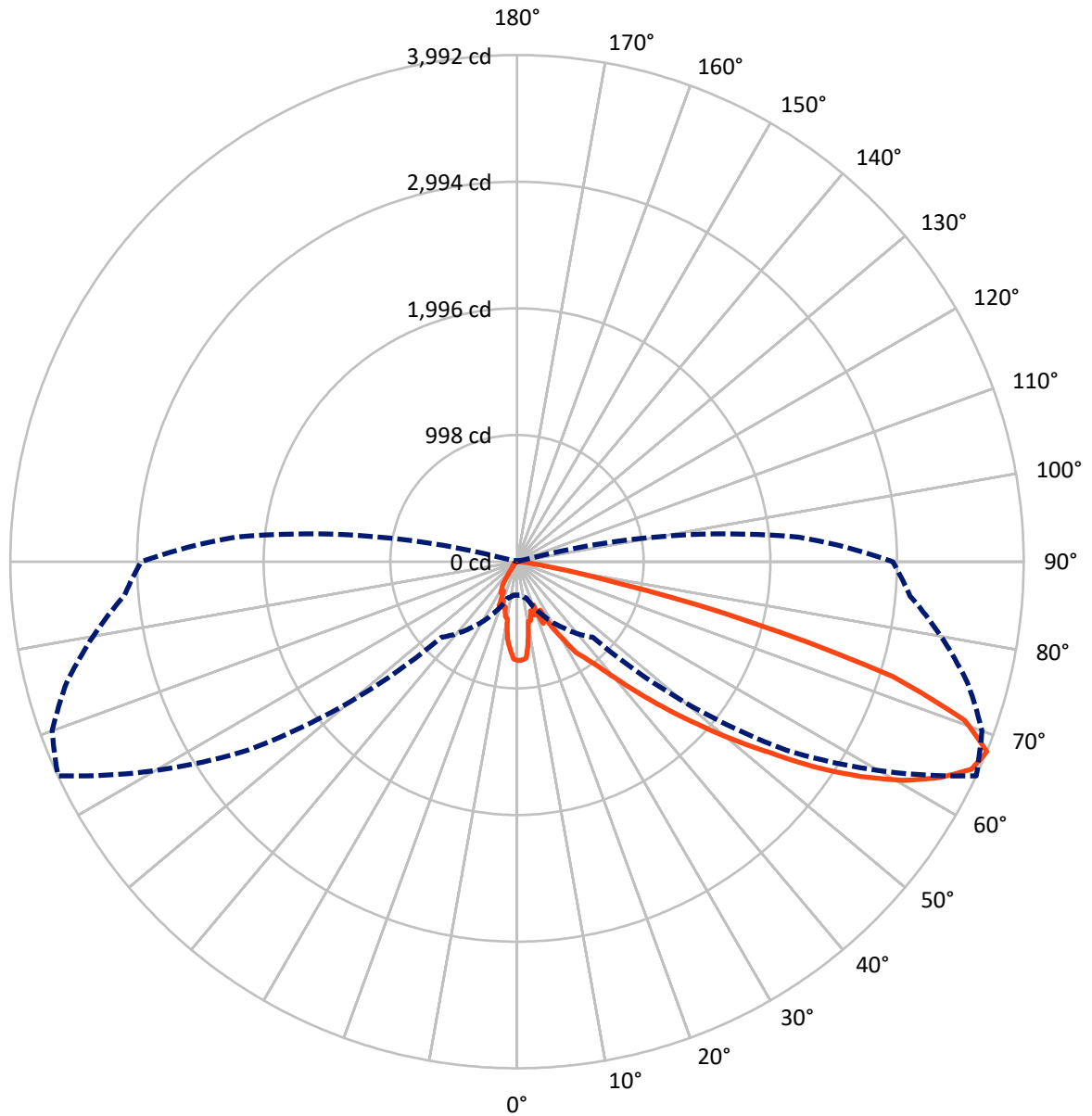
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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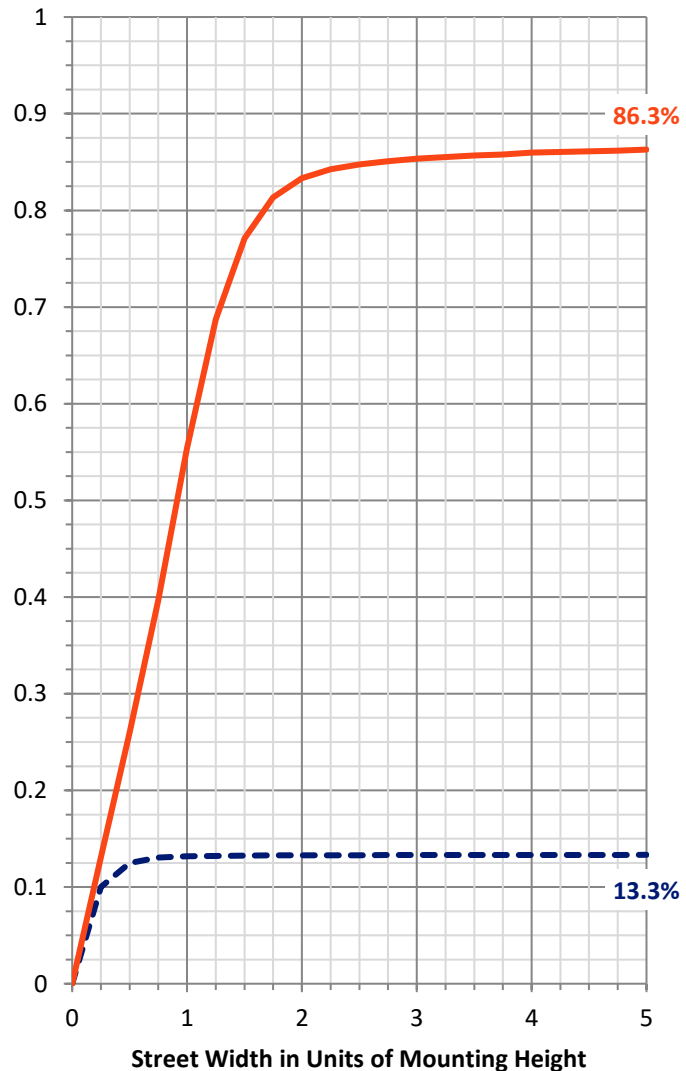
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	628.5	0.0	628.5
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	4019.9	0.0	4019.9
	% Fixture	86.5	0.0	86.5
Total	Lumens	4648.5	0.0	4648.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	1.3
10°-20°	115.5	2.5
20°-30°	174.5	3.8
30°-40°	401.9	8.6
40°-50°	881.6	19.0
50°-60°	1294.2	27.8
60°-70°	1124.1	24.2
70°-80°	557.4	12.0
80°-90°	39.6	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°	4648.5	100.0
0°-180°	4648.5	100.0



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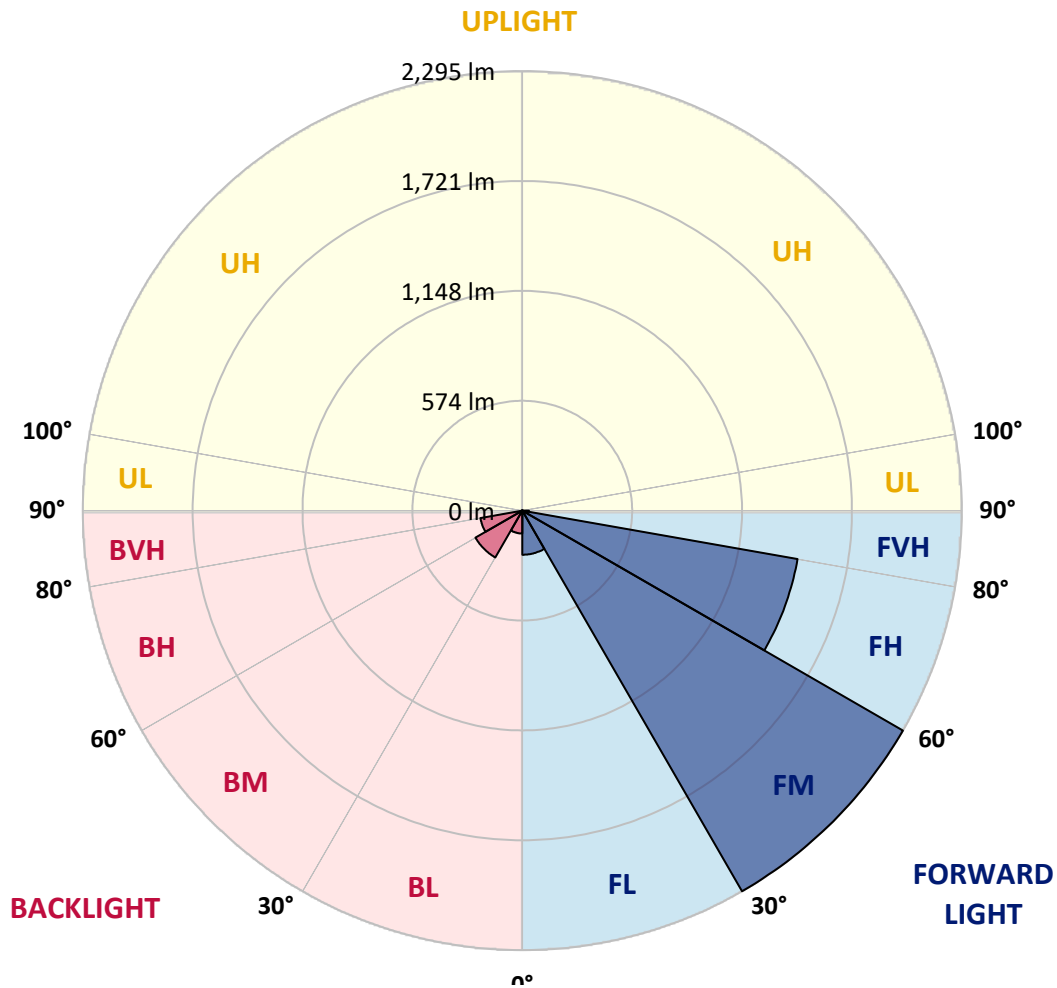
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	230.4	5.0			
FM (30°-60°)	2295.3	49.4			
FH (60°-80°)	1459.4	31.4			G1/1800
FVH (80°-90°)	34.8	0.7			G1/100
BL (0°-30°)	119.4	2.6	B1/500		
BM (30°-60°)	282.3	6.1	B1/1000		
BH (60°-80°)	222.1	4.8	B1/500		G1/500
BVH (80°-90°)	4.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3
2.5°	651.7	705.6	722.0	738.4	752.5	766.5	768.9	771.2	775.9	778.3	780.6
5°	637.6	639.9	639.9	637.6	639.9	642.3	642.3	642.3	642.3	642.3	644.6
7.5°	511.0	572.0	590.7	607.1	616.5	623.5	628.2	630.6	632.9	635.3	637.6
10°	616.5	614.2	616.5	616.5	618.9	618.9	564.9	511.0	529.8	546.2	518.1
12.5°	489.9	539.2	560.2	581.3	595.4	607.1	583.7	557.9	508.7	457.1	459.5
15°	590.7	590.7	590.7	590.7	546.2	499.3	468.8	436.0	461.8	485.2	438.4
17.5°	475.9	475.9	518.1	560.2	560.2	557.9	527.4	494.6	429.0	363.3	421.9
20°	588.4	588.4	590.7	593.1	515.7	438.4	464.1	487.6	497.0	506.3	485.2
22.5°	480.5	480.5	487.6	492.3	520.4	548.5	473.5	398.5	459.5	520.4	478.2
25°	621.2	623.5	628.2	630.6	560.2	487.6	520.4	553.2	487.6	421.9	487.6
27.5°	562.6	553.2	553.2	550.9	574.3	595.4	548.5	501.6	543.8	586.0	536.8
30°	790.0	782.9	773.6	764.2	675.1	586.0	588.4	588.4	572.0	555.6	583.7
32.5°	1094.7	1083.0	1003.3	923.6	858.0	792.3	724.3	656.4	679.8	700.9	686.8
35°	1469.8	1469.8	1394.8	1319.7	1172.1	1024.4	909.5	792.3	782.9	773.6	787.6
37.5°	1915.2	1868.3	1779.2	1690.1	1507.3	1322.1	1146.3	970.5	949.4	925.9	902.5
40°	2245.7	2238.6	2170.7	2102.7	1877.7	1652.6	1446.3	1237.7	1169.7	1099.4	1047.8
42.5°	2590.3	2564.5	2510.6	2454.3	2226.9	1997.2	1776.9	1554.2	1460.4	1366.6	1275.2
45°	2838.7	2831.7	2784.8	2737.9	2552.8	2365.2	2135.5	1903.4	1842.5	1781.5	1610.4
47.5°	2993.5	2953.6	2934.9	2913.8	2754.4	2595.0	2400.4	2203.5	2194.1	2182.4	1966.7
50°	2946.6	2911.4	2916.1	2920.8	2843.4	2766.1	2618.4	2468.4	2494.2	2519.9	2341.8
52.5°	2698.1	2667.6	2709.8	2749.7	2747.3	2745.0	2691.1	2634.8	2728.6	2820.0	2698.1
55°	2201.1	2222.2	2306.6	2391.0	2447.3	2501.2	2578.5	2653.6	2831.7	3007.5	2984.1
57.5°	1725.3	1772.2	1858.9	1943.3	2034.7	2123.8	2287.9	2452.0	2752.0	3049.7	3152.9
60°	1158.0	1188.5	1340.8	1490.9	1575.3	1659.6	1837.8	2013.6	2421.5	2827.0	3096.6
62.5°	719.6	736.1	822.8	909.5	1080.6	1251.8	1340.8	1427.6	1868.3	2306.6	2805.9
65°	443.0	438.4	473.5	506.3	675.1	841.5	900.1	956.4	1249.4	1540.1	2316.0
67.5°	264.9	262.5	281.3	300.0	377.4	454.8	546.2	637.6	740.7	841.5	1715.9
70°	215.7	220.3	227.4	234.4	255.5	276.6	361.0	445.4	443.0	440.7	1031.4
72.5°	180.5	185.2	199.3	211.0	227.4	241.4	290.7	337.6	316.5	295.4	492.3
75°	133.6	136.0	154.7	171.1	196.9	220.3	232.1	241.4	232.1	222.7	248.5
77.5°	89.1	89.1	105.5	121.9	147.7	173.5	187.5	201.6	185.2	168.8	175.8
80°	56.3	56.3	65.6	72.7	98.5	124.2	140.6	157.1	143.0	126.6	124.2
82.5°	32.8	35.2	39.9	44.5	60.9	77.4	89.1	100.8	117.2	131.3	105.5
85°	14.1	16.4	21.1	23.4	32.8	39.9	46.9	53.9	68.0	82.0	68.0
87.5°	2.3	2.3	4.7	7.0	9.4	11.7	11.7	11.7	11.7	9.4	11.7
90°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3
2.5°	780.6	778.3	775.9	775.9	775.9	773.6	771.2	771.2	771.2	768.9	766.5
5°	644.6	703.2	761.8	764.2	768.9	766.5	764.2	761.8	759.5	757.2	752.5
7.5°	637.6	632.9	628.2	611.8	668.1	668.1	665.7	665.7	661.0	642.3	623.5
10°	487.6	485.2	480.5	487.6	499.3	539.2	576.7	574.3	567.3	522.7	478.2
12.5°	461.8	468.8	475.9	452.4	407.9	445.4	482.9	478.2	473.5	433.7	391.5
15°	391.5	396.2	400.8	438.4	506.3	541.5	574.3	569.6	564.9	518.1	468.8
17.5°	480.5	461.8	443.0	468.8	445.4	461.8	478.2	459.5	445.4	426.6	407.9
20°	461.8	412.6	363.3	438.4	525.1	553.2	581.3	574.3	560.2	515.7	468.8
22.5°	433.7	482.9	529.8	506.3	464.1	438.4	412.6	400.8	391.5	393.8	396.2
25°	550.9	487.6	421.9	534.5	602.4	611.8	618.9	597.8	574.3	525.1	473.5
27.5°	485.2	532.1	576.7	621.2	644.6	651.7	656.4	686.8	637.6	572.0	506.3
30°	611.8	651.7	691.5	790.0	869.7	883.7	897.8	862.6	822.8	743.1	663.4
32.5°	672.8	764.2	853.3	900.1	933.0	944.7	956.4	909.5	865.0	761.8	656.4
35°	799.3	867.3	935.3	989.2	1052.5	1054.9	1057.2	1005.6	949.4	799.3	649.3
37.5°	876.7	965.8	1052.5	1113.5	1211.9	1204.9	1197.9	1136.9	1068.9	858.0	647.0
40°	993.9	1108.8	1221.3	1279.9	1399.4	1378.4	1357.3	1286.9	1211.9	921.2	630.6
42.5°	1183.8	1305.7	1427.6	1476.8	1608.1	1584.6	1558.8	1465.1	1369.0	972.8	576.7
45°	1437.0	1547.1	1657.3	1744.0	1847.2	1809.7	1772.2	1671.4	1530.7	1017.4	504.0
47.5°	1748.7	1830.8	1912.8	2083.9	2158.9	2083.9	2006.6	1884.7	1706.5	1054.9	403.2
50°	2163.6	2182.4	2198.8	2412.1	2487.1	2372.3	2257.4	2100.3	1887.0	1097.1	304.7
52.5°	2573.9	2538.7	2501.2	2730.9	2759.0	2606.7	2452.0	2287.9	2020.6	1120.5	218.0
55°	2960.6	2911.4	2859.8	3023.9	3005.2	2803.6	2602.0	2402.7	2102.7	1127.5	152.4
57.5°	3256.0	3225.5	3192.7	3267.7	3197.4	2960.6	2723.9	2524.6	2163.6	1139.2	112.5
60°	3363.8	3431.8	3499.8	3490.4	3361.5	3110.7	2859.8	2648.9	2201.1	1143.9	84.4
62.5°	3305.2	3525.6	3743.6	3654.5	3497.4	3232.6	2965.3	2761.4	2217.5	1141.6	65.6
65°	3091.9	3516.2	3938.1	3790.5	3593.6	3328.7	3063.8	2880.9	2236.3	1143.9	51.6
67.5°	2587.9	3291.2	3992.1	3898.3	3673.3	3392.0	3108.3	2960.6	2226.9	1134.6	42.2
70°	1619.8	2679.3	3738.9	3811.6	3673.3	3363.8	3054.4	2937.2	2142.5	1087.7	32.8
72.5°	686.8	1891.7	3096.6	3413.1	3509.2	3209.1	2909.1	2763.7	1962.0	993.9	25.8
75°	271.9	1087.7	1903.4	2405.1	2700.4	2573.9	2444.9	2250.4	1286.9	654.0	18.8
77.5°	182.8	497.0	811.1	1181.4	1408.8	1458.1	1507.3	1284.6	513.4	264.9	14.1
80°	121.9	199.3	276.6	424.3	506.3	478.2	447.7	368.0	157.1	84.4	11.7
82.5°	77.4	103.1	128.9	145.3	150.0	107.8	65.6	53.9	18.8	14.1	7.0
85°	51.6	60.9	70.3	72.7	72.7	51.6	28.1	14.1	7.0	7.0	4.7
87.5°	14.1	16.4	16.4	16.4	11.7	9.4	7.0	4.7	4.7	4.7	4.7
90°	7.0	9.4	9.4	9.4	7.0	7.0	4.7	4.7	4.7	4.7	4.7



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3
2.5°	766.5	766.5	764.2	761.8	761.8	759.5	736.1	710.3	686.8	661.0	658.7
5°	722.0	689.2	658.7	628.2	623.5	616.5	616.5	614.2	614.2	611.8	611.8
7.5°	618.9	614.2	609.5	604.8	602.4	597.8	595.4	590.7	588.4	583.7	557.9
10°	468.8	457.1	457.1	454.8	459.5	464.1	461.8	457.1	487.6	518.1	515.7
12.5°	417.3	440.7	419.6	396.2	403.2	407.9	414.9	421.9	419.6	414.9	379.7
15°	419.6	368.0	351.6	332.9	342.2	349.3	288.3	225.0	213.3	201.6	187.5
17.5°	391.5	375.1	363.3	349.3	267.2	182.8	164.1	145.3	128.9	110.2	107.8
20°	396.2	321.1	300.0	276.6	213.3	150.0	114.9	79.7	70.3	60.9	70.3
22.5°	386.8	375.1	274.3	173.5	128.9	84.4	70.3	53.9	58.6	63.3	63.3
25°	363.3	253.2	196.9	140.6	98.5	53.9	56.3	56.3	51.6	44.5	49.2
27.5°	393.8	279.0	178.2	75.0	65.6	53.9	49.2	42.2	42.2	42.2	39.9
30°	454.8	243.8	152.4	60.9	51.6	42.2	39.9	37.5	35.2	30.5	32.8
32.5°	431.3	206.3	128.9	51.6	44.5	37.5	32.8	28.1	28.1	28.1	28.1
35°	391.5	131.3	89.1	44.5	37.5	30.5	28.1	23.4	23.4	23.4	23.4
37.5°	365.7	84.4	60.9	35.2	30.5	25.8	23.4	18.8	18.8	18.8	21.1
40°	344.6	58.6	44.5	30.5	25.8	18.8	16.4	14.1	16.4	16.4	16.4
42.5°	314.1	49.2	37.5	25.8	21.1	16.4	14.1	11.7	14.1	14.1	14.1
45°	274.3	44.5	32.8	21.1	18.8	14.1	11.7	9.4	11.7	11.7	11.7
47.5°	220.3	37.5	28.1	18.8	16.4	11.7	11.7	9.4	9.4	9.4	9.4
50°	171.1	35.2	25.8	16.4	14.1	9.4	9.4	7.0	9.4	9.4	9.4
52.5°	124.2	30.5	23.4	14.1	11.7	7.0	7.0	7.0	7.0	7.0	7.0
55°	89.1	25.8	18.8	11.7	9.4	7.0	7.0	4.7	7.0	7.0	7.0
57.5°	68.0	23.4	16.4	9.4	7.0	4.7	4.7	4.7	4.7	4.7	4.7
60°	53.9	21.1	16.4	9.4	7.0	4.7	4.7	2.3	4.7	4.7	4.7
62.5°	42.2	16.4	14.1	9.4	7.0	4.7	4.7	2.3	4.7	4.7	4.7
65°	32.8	14.1	11.7	7.0	4.7	2.3	2.3	2.3	4.7	4.7	4.7
67.5°	28.1	11.7	9.4	7.0	4.7	2.3	4.7	4.7	4.7	4.7	4.7
70°	23.4	11.7	9.4	7.0	4.7	2.3	4.7	4.7	7.0	7.0	4.7
72.5°	18.8	9.4	7.0	4.7	4.7	2.3	4.7	4.7	7.0	7.0	4.7
75°	14.1	7.0	7.0	4.7	4.7	2.3	4.7	7.0	7.0	7.0	4.7
77.5°	11.7	7.0	7.0	4.7	4.7	2.3	4.7	7.0	7.0	7.0	7.0
80°	9.4	4.7	4.7	4.7	2.3	0.0	4.7	9.4	9.4	7.0	7.0
82.5°	7.0	4.7	4.7	4.7	2.3	0.0	4.7	9.4	9.4	7.0	7.0
85°	4.7	4.7	4.7	4.7	4.7	2.3	7.0	9.4	9.4	7.0	7.0
87.5°	4.7	4.7	4.7	4.7	4.7	2.3	4.7	7.0	7.0	7.0	7.0
90°	4.7	4.7	7.0	7.0	4.7	2.3	4.7	7.0	7.0	7.0	7.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	778.3	778.3	778.3	778.3
2.5°	654.0	658.7	661.0	656.4
5°	609.5	609.5	607.1	614.2
7.5°	529.8	515.7	499.3	487.6
10°	511.0	499.3	487.6	489.9
12.5°	342.2	307.1	271.9	283.6
15°	173.5	164.1	154.7	154.7
17.5°	103.1	93.8	82.0	84.4
20°	77.4	77.4	77.4	77.4
22.5°	60.9	58.6	53.9	51.6
25°	51.6	51.6	51.6	51.6
27.5°	37.5	37.5	35.2	32.8
30°	32.8	32.8	32.8	30.5
32.5°	25.8	28.1	28.1	28.1
35°	23.4	23.4	23.4	23.4
37.5°	21.1	21.1	18.8	18.8
40°	16.4	16.4	16.4	16.4
42.5°	14.1	14.1	14.1	14.1
45°	11.7	11.7	11.7	11.7
47.5°	9.4	9.4	9.4	9.4
50°	9.4	9.4	7.0	7.0
52.5°	7.0	7.0	4.7	4.7
55°	4.7	4.7	4.7	4.7
57.5°	4.7	4.7	2.3	2.3
60°	4.7	4.7	2.3	2.3
62.5°	2.3	2.3	2.3	2.3
65°	2.3	2.3	0.0	0.0
67.5°	2.3	2.3	0.0	0.0
70°	2.3	2.3	0.0	0.0
72.5°	2.3	2.3	0.0	0.0
75°	2.3	2.3	0.0	0.0
77.5°	4.7	2.3	0.0	0.0
80°	4.7	4.7	2.3	0.0
82.5°	4.7	4.7	2.3	0.0
85°	4.7	4.7	2.3	0.0
87.5°	4.7	4.7	2.3	0.0
90°	4.7	4.7	2.3	0.0

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