

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: P561073

Luminaire Tested: **SDL-PA1-80-730-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-730-U-T3
Description: Springdale
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8464.5 lumens
Efficiency: N/A
Efficacy: 103.2 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

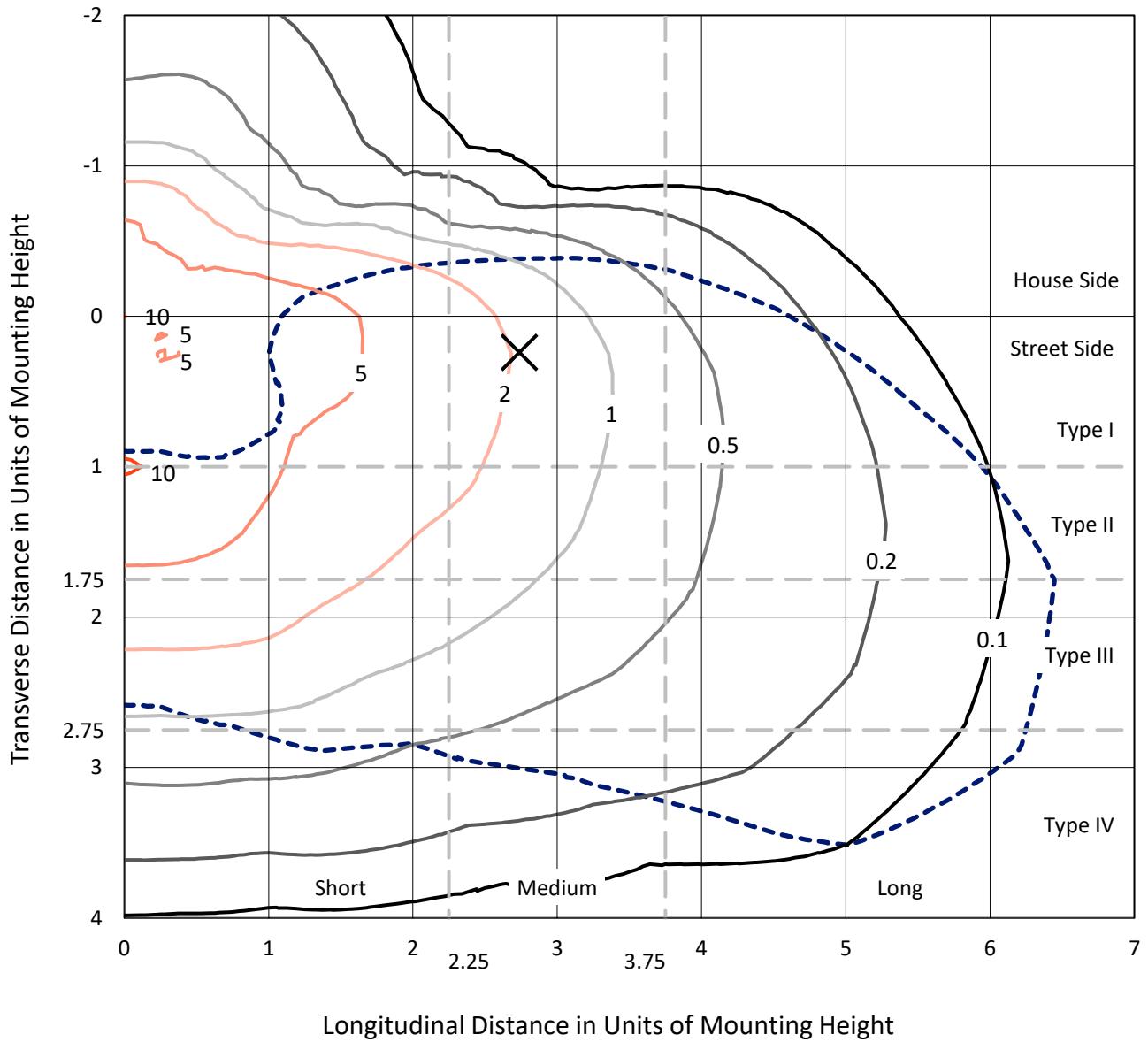
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

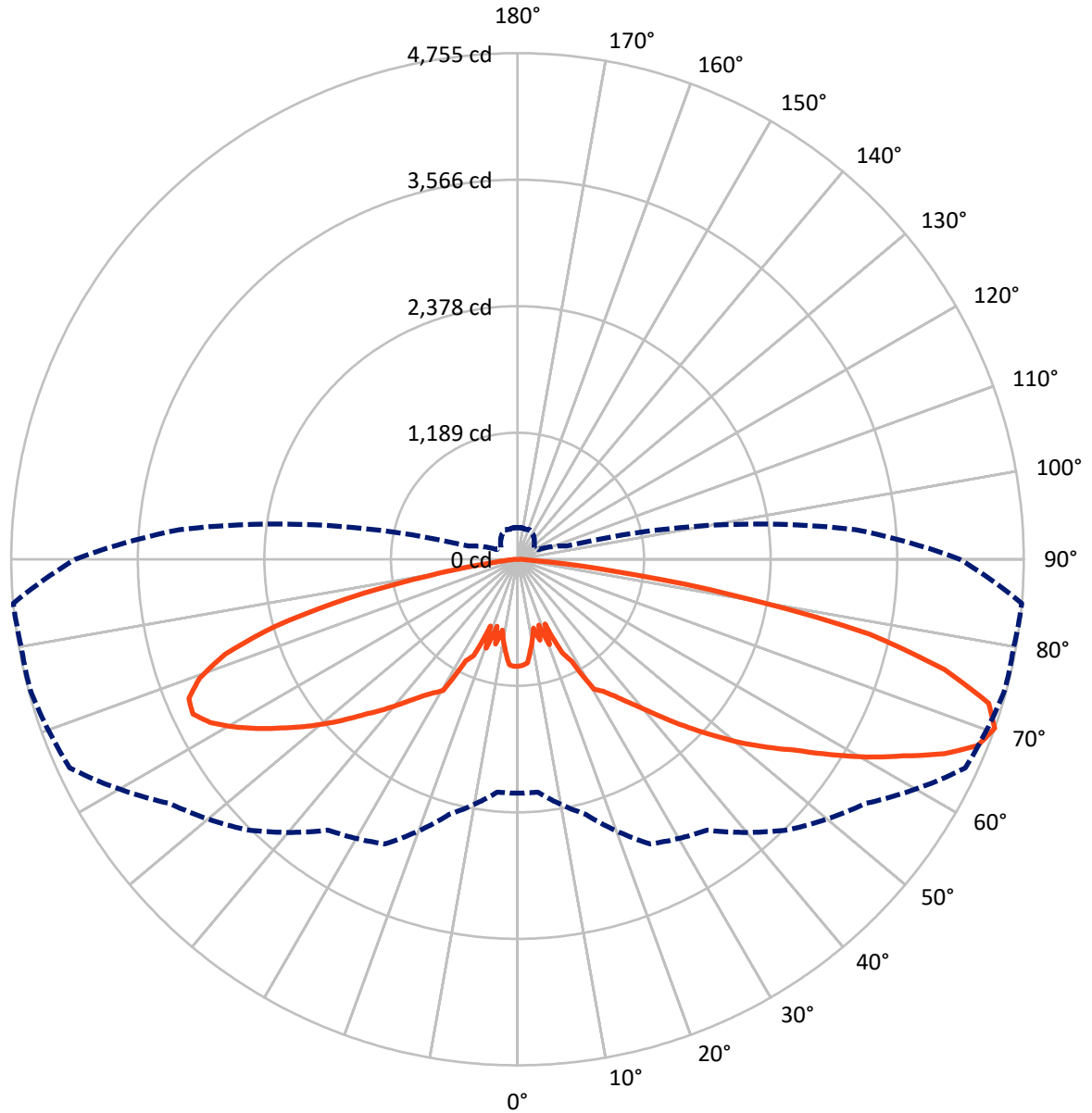
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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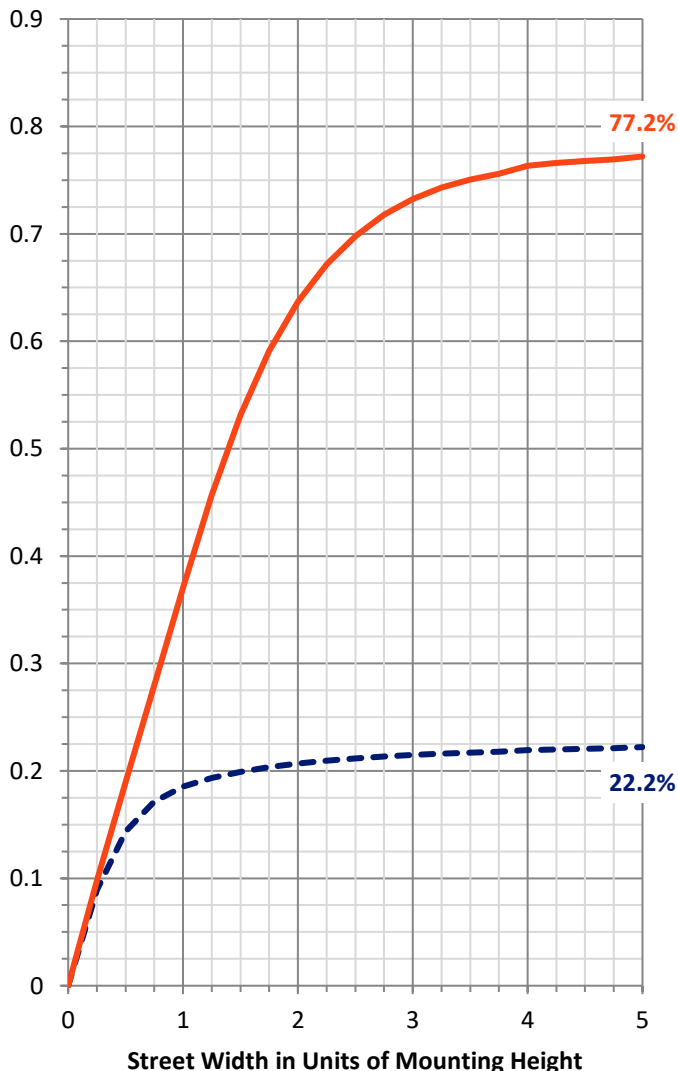
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1913.9	0.0	1913.9
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	6550.6	0.0	6550.6
	% Fixture	77.4	0.0	77.4
Total	Lumens	8464.5	0.0	8464.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	1.0
10°-20°	204.4	2.4
20°-30°	373.5	4.4
30°-40°	705.4	8.3
40°-50°	1149.1	13.6
50°-60°	1772.7	20.9
60°-70°	2172.9	25.7
70°-80°	1701.7	20.1
80°-90°	303.0	3.6
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°	8464.5	100.0
0°-180°	8464.5	100.0

Coefficient of Utilization



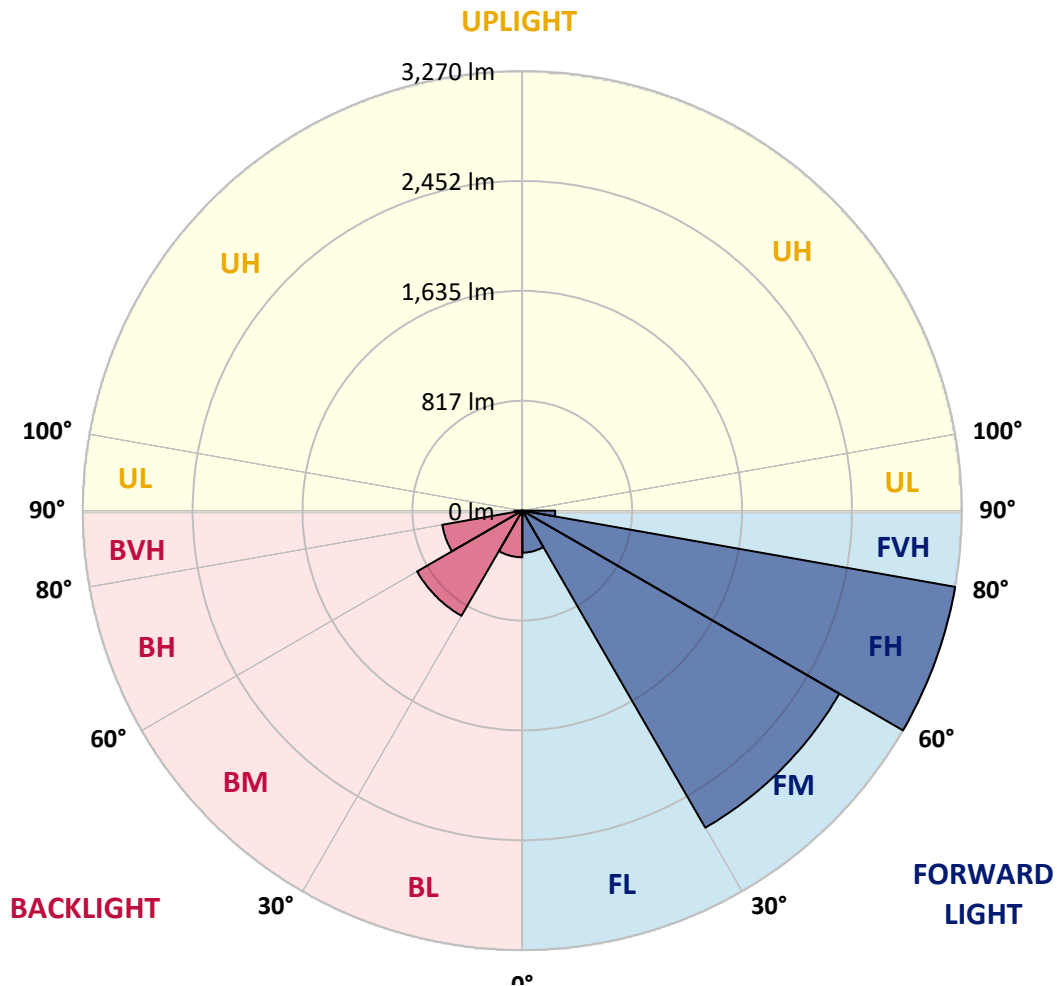
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	312.5	3.7			
FM (30°-60°)	2723.2	32.2			
FH (60°-80°)	3269.5	38.6			G2/5000
FVH (80°-90°)	245.4	2.9			G3/500
BL (0°-30°)	347.1	4.1	B1/500		
BM (30°-60°)	904.1	10.7	B1/1000		
BH (60°-80°)	605.1	7.1	B2/1000		G2/1000
BVH (80°-90°)	57.6	0.7			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5
2.5°	829.1	903.4	903.4	903.4	918.8	931.2	937.4	940.5	952.9	962.1	968.3
5°	773.4	776.5	776.5	776.5	779.6	782.7	785.8	788.9	795.1	798.2	807.5
7.5°	649.7	662.1	686.8	708.5	723.9	739.4	751.8	761.1	767.2	773.4	776.5
10°	723.9	723.9	723.9	723.9	723.9	723.9	686.8	649.7	652.8	652.8	634.2
12.5°	606.4	624.9	652.8	677.5	699.2	717.7	693.0	668.2	621.8	575.4	575.4
15°	702.3	702.3	699.2	696.1	655.9	615.6	578.5	541.4	566.1	590.9	547.6
17.5°	603.3	606.4	643.5	677.5	671.3	662.1	628.0	590.9	532.1	470.2	532.1
20°	773.4	764.1	745.6	727.0	640.4	553.8	569.2	584.7	600.2	612.6	612.6
22.5°	711.6	717.7	730.1	742.5	733.2	720.8	631.1	541.4	594.0	646.6	600.2
25°	974.5	974.5	937.4	900.3	807.5	711.6	727.0	739.4	649.7	556.9	634.2
27.5°	900.3	894.1	878.6	860.0	878.6	894.1	813.6	730.1	754.9	779.6	714.6
30°	1197.3	1197.3	1181.8	1166.3	1033.3	897.2	887.9	875.5	822.9	767.2	804.4
32.5°	1435.5	1432.4	1361.2	1290.1	1215.8	1138.5	1058.0	974.5	968.3	962.1	956.0
35°	1720.1	1720.1	1679.9	1639.7	1475.7	1308.6	1212.7	1116.8	1089.0	1061.1	1082.8
37.5°	1881.0	1902.6	1887.2	1868.6	1689.2	1506.6	1373.6	1237.5	1209.6	1181.8	1191.1
40°	2103.7	2097.5	2094.4	2088.2	1881.0	1673.7	1531.4	1386.0	1367.4	1348.9	1348.9
42.5°	2440.9	2406.9	2369.8	2329.6	2119.2	1908.8	1751.0	1590.2	1556.1	1519.0	1522.1
45°	2905.0	2867.9	2781.2	2691.5	2478.1	2264.6	2054.2	1843.8	1785.1	1723.2	1717.0
47.5°	3189.6	3149.4	3106.1	3059.7	2830.7	2601.8	2385.2	2165.6	2079.0	1992.3	1958.3
50°	3483.5	3446.4	3412.4	3378.3	3177.2	2976.1	2759.6	2543.0	2406.9	2270.8	2212.0
52.5°	3761.9	3693.9	3659.8	3625.8	3455.7	3282.4	3056.6	2830.7	2728.6	2626.6	2499.7
55°	3898.1	3814.5	3802.2	3786.7	3659.8	3529.9	3313.4	3096.8	2982.3	2864.8	2737.9
57.5°	3706.3	3712.4	3780.5	3848.6	3777.4	3706.3	3502.1	3297.9	3183.4	3069.0	2973.0
60°	3533.0	3579.4	3662.9	3746.5	3752.7	3755.8	3647.5	3539.2	3412.4	3285.5	3211.3
62.5°	3294.8	3328.8	3458.8	3585.6	3681.5	3774.3	3662.9	3551.6	3508.3	3461.8	3415.4
65°	2973.0	2982.3	3130.8	3276.2	3449.5	3619.6	3533.0	3446.4	3520.6	3591.8	3598.0
67.5°	2580.1	2608.0	2753.4	2898.8	3109.2	3316.4	3313.4	3310.3	3468.0	3622.7	3731.0
70°	2196.5	2196.5	2338.8	2481.1	2716.3	2951.4	3028.7	3106.1	3350.5	3594.9	3796.0
72.5°	1655.1	1732.5	1806.7	1881.0	2143.9	2403.8	2574.0	2744.1	3109.2	3471.1	3777.4
75°	912.6	918.8	983.8	1048.8	1311.7	1574.7	1831.5	2088.2	2577.1	3065.9	3548.5
77.5°	300.1	290.8	327.9	362.0	516.6	668.2	884.8	1101.4	1639.7	2178.0	2954.5
80°	167.1	170.2	182.5	194.9	244.4	290.8	396.0	501.2	730.1	956.0	1877.9
82.5°	111.4	114.5	126.8	139.2	160.9	182.5	241.3	297.0	318.7	337.2	847.7
85°	71.2	74.2	80.4	86.6	92.8	95.9	136.1	176.3	160.9	145.4	253.7
87.5°	15.5	15.5	18.6	18.6	21.7	24.7	30.9	37.1	34.0	27.8	37.1
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°	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5
2.5°	971.4	977.6	980.7	983.8	986.9	993.1	996.2	999.3	1005.5	1008.5	1008.5
5°	816.7	872.4	925.0	943.6	962.1	971.4	977.6	986.9	993.1	999.3	1005.5
7.5°	779.6	782.7	785.8	807.5	829.1	847.7	866.2	872.4	887.9	878.6	866.2
10°	612.6	615.6	615.6	637.3	659.0	723.9	767.2	776.5	785.8	748.7	708.5
12.5°	572.3	587.8	603.3	594.0	584.7	631.1	662.1	674.4	680.6	655.9	631.1
15°	501.2	516.6	529.0	600.2	671.3	733.2	788.9	804.4	822.9	782.7	739.4
17.5°	594.0	587.8	578.5	590.9	603.3	618.7	649.7	659.0	659.0	671.3	683.7
20°	612.6	544.5	476.4	603.3	730.1	785.8	857.0	881.7	887.9	853.9	819.8
22.5°	550.7	628.0	705.4	689.9	674.4	659.0	659.0	668.2	677.5	683.7	689.9
25°	708.5	643.5	578.5	727.0	875.5	934.3	968.3	983.8	996.2	952.9	906.5
27.5°	649.7	736.3	819.8	884.8	949.8	1014.7	1085.9	1153.9	1070.4	1030.2	990.0
30°	838.4	909.5	980.7	1135.4	1290.1	1373.6	1416.9	1416.9	1416.9	1358.1	1296.3
32.5°	949.8	1073.5	1197.3	1280.8	1361.2	1444.8	1478.8	1478.8	1478.8	1407.6	1333.4
35°	1101.4	1200.4	1299.4	1395.3	1491.2	1556.1	1580.9	1571.6	1553.0	1457.1	1361.2
37.5°	1200.4	1333.4	1466.4	1565.4	1661.3	1701.5	1710.8	1683.0	1655.1	1528.3	1398.4
40°	1348.9	1494.3	1636.6	1741.8	1846.9	1881.0	1862.4	1825.3	1775.8	1605.6	1435.5
42.5°	1522.1	1667.5	1812.9	1936.7	2057.3	2079.0	2051.1	1992.3	1905.7	1673.7	1438.6
45°	1710.8	1856.2	1998.5	2137.7	2277.0	2292.4	2255.3	2168.7	2041.8	1738.7	1435.5
47.5°	1921.2	2035.7	2150.1	2348.1	2546.1	2527.6	2471.9	2372.9	2205.8	1816.0	1423.1
50°	2153.2	2242.9	2329.6	2577.1	2824.5	2768.9	2707.0	2598.7	2379.1	1905.7	1429.3
52.5°	2369.8	2456.4	2543.0	2799.8	3053.5	3000.9	2932.8	2836.9	2555.4	2001.6	1444.8
55°	2611.1	2703.9	2796.7	3069.0	3341.2	3251.5	3164.9	3103.0	2728.6	2082.1	1435.5
57.5°	2874.0	2991.6	3109.2	3359.8	3607.3	3511.3	3461.8	3381.4	2920.5	2178.0	1435.5
60°	3137.0	3279.3	3421.6	3641.3	3860.9	3783.6	3774.3	3662.9	3099.9	2249.1	1395.3
62.5°	3369.0	3582.5	3796.0	3969.2	4139.4	4065.1	4068.2	3938.3	3266.9	2264.6	1259.1
65°	3604.2	3879.5	4151.7	4278.6	4405.4	4352.8	4405.4	4173.4	3378.3	2202.7	1027.1
67.5°	3836.2	4139.4	4442.6	4538.5	4634.4	4603.4	4665.3	4250.7	3353.6	2041.8	727.0
70°	3997.1	4318.8	4640.5	4690.0	4739.5	4733.4	4755.0	4154.8	3186.5	1834.6	479.5
72.5°	4083.7	4386.9	4687.0	4708.6	4727.2	4717.9	4628.2	3854.7	2886.4	1608.7	331.0
75°	4028.0	4321.9	4615.8	4572.5	4529.2	4442.6	4142.5	3319.5	2366.7	1305.5	244.4
77.5°	3731.0	4049.7	4368.3	4256.9	4142.5	3888.8	3384.5	2487.3	1645.8	918.8	188.7
80°	2799.8	3192.7	3585.6	3452.6	3316.4	2781.2	2060.4	1392.2	850.8	498.1	145.4
82.5°	1355.0	1574.7	1794.3	1760.3	1726.3	1277.7	891.0	501.2	244.4	179.4	114.5
85°	358.9	532.1	705.4	674.4	643.5	340.3	148.5	129.9	95.9	89.7	80.4
87.5°	43.3	49.5	52.6	37.1	18.6	15.5	15.5	9.3	9.3	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°	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5	1005.5
2.5°	1014.7	1017.8	1017.8	1017.8	1017.8	1017.8	993.1	968.3	962.1	956.0	943.6
5°	977.6	946.7	925.0	903.4	903.4	900.3	909.5	918.8	925.0	928.1	931.2
7.5°	869.3	872.4	891.0	906.5	921.9	934.3	943.6	949.8	943.6	934.3	897.2
10°	711.6	714.6	730.1	742.5	764.1	782.7	835.3	884.8	943.6	1002.4	1017.8
12.5°	677.5	720.8	696.1	671.3	739.4	804.4	872.4	937.4	983.8	1027.1	996.2
15°	689.9	640.4	649.7	659.0	742.5	826.0	776.5	723.9	847.7	971.4	999.3
17.5°	686.8	686.8	733.2	779.6	702.3	621.8	736.3	847.7	897.2	943.6	906.5
20°	733.2	643.5	677.5	708.5	770.3	829.1	779.6	730.1	748.7	767.2	887.9
22.5°	764.1	835.3	758.0	677.5	733.2	788.9	779.6	770.3	826.0	881.7	850.8
25°	798.2	686.8	742.5	795.1	733.2	668.2	717.7	764.1	748.7	733.2	829.1
27.5°	915.7	838.4	767.2	696.1	733.2	767.2	730.1	689.9	705.4	720.8	714.6
30°	1107.5	915.7	826.0	736.3	689.9	640.4	643.5	646.6	665.1	683.7	736.3
32.5°	1157.0	980.7	850.8	720.8	689.9	659.0	631.1	600.2	628.0	655.9	717.7
35°	1169.4	974.5	835.3	696.1	646.6	597.1	578.5	560.0	606.4	652.8	708.5
37.5°	1163.2	925.0	776.5	628.0	590.9	553.8	544.5	532.1	563.1	590.9	631.1
40°	1147.8	860.0	711.6	563.1	532.1	501.2	495.0	488.8	510.5	532.1	556.9
42.5°	1119.9	798.2	649.7	501.2	479.5	457.9	451.7	442.4	461.0	479.5	488.8
45°	1085.9	736.3	597.1	454.8	439.3	420.7	411.5	399.1	417.6	433.1	436.2
47.5°	1051.9	677.5	550.7	420.7	408.4	392.9	383.6	371.2	386.7	399.1	402.2
50°	1024.0	615.6	501.2	386.7	374.3	362.0	352.7	343.4	358.9	371.2	371.2
52.5°	1008.5	569.2	457.9	346.5	340.3	334.1	331.0	324.8	337.2	349.6	352.7
55°	971.4	504.3	408.4	309.4	312.5	312.5	309.4	303.2	327.9	349.6	358.9
57.5°	931.2	426.9	355.8	281.5	287.7	293.9	297.0	300.1	327.9	352.7	365.1
60°	878.6	362.0	309.4	256.8	266.1	272.2	287.7	300.1	324.8	349.6	355.8
62.5°	785.8	309.4	272.2	235.1	247.5	259.9	278.4	297.0	315.6	334.1	334.1
65°	649.7	269.2	244.4	216.6	235.1	250.6	272.2	293.9	309.4	321.7	318.7
67.5°	485.7	241.3	222.7	201.1	222.7	241.3	259.9	278.4	297.0	315.6	309.4
70°	349.6	216.6	204.2	188.7	207.3	225.8	244.4	263.0	281.5	300.1	297.0
72.5°	266.1	198.0	185.6	173.2	191.8	207.3	228.9	250.6	269.2	287.7	281.5
75°	213.5	179.4	170.2	157.8	176.3	194.9	216.6	235.1	253.7	272.2	266.1
77.5°	176.3	160.9	151.6	142.3	157.8	173.2	194.9	216.6	235.1	250.6	244.4
80°	142.3	136.1	129.9	120.7	139.2	154.7	176.3	194.9	210.4	225.8	216.6
82.5°	111.4	108.3	105.2	99.0	114.5	129.9	151.6	173.2	185.6	198.0	191.8
85°	83.5	83.5	80.4	77.3	89.7	99.0	111.4	120.7	133.0	142.3	136.1
87.5°	12.4	12.4	18.6	21.7	21.7	21.7	30.9	40.2	40.2	37.1	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):

	165°	170°	175°	180°
0°	1005.5	1005.5	1005.5	1005.5
2.5°	931.2	931.2	931.2	934.3
5°	934.3	937.4	937.4	943.6
7.5°	857.0	853.9	850.8	850.8
10°	1030.2	1036.4	1039.5	1045.7
12.5°	962.1	925.0	887.9	887.9
15°	1027.1	1033.3	1036.4	1042.6
17.5°	869.3	866.2	863.1	857.0
20°	1005.5	1011.6	1014.7	1014.7
22.5°	819.8	819.8	816.7	816.7
25°	925.0	925.0	925.0	931.2
27.5°	705.4	727.0	748.7	776.5
30°	788.9	792.0	795.1	795.1
32.5°	779.6	819.8	860.0	866.2
35°	764.1	764.1	761.1	764.1
37.5°	671.3	662.1	649.7	655.9
40°	578.5	556.9	535.2	532.1
42.5°	498.1	479.5	457.9	457.9
45°	439.3	426.9	411.5	405.3
47.5°	402.2	389.8	377.4	374.3
50°	368.2	355.8	343.4	343.4
52.5°	355.8	346.5	334.1	331.0
55°	368.2	349.6	331.0	324.8
57.5°	374.3	352.7	331.0	321.7
60°	358.9	346.5	331.0	318.7
62.5°	331.0	324.8	318.7	312.5
65°	312.5	312.5	309.4	303.2
67.5°	303.2	306.3	306.3	300.1
70°	290.8	297.0	300.1	293.9
72.5°	275.3	278.4	278.4	269.2
75°	256.8	253.7	250.6	244.4
77.5°	235.1	232.0	225.8	219.7
80°	207.3	204.2	201.1	191.8
82.5°	182.5	188.7	191.8	157.8
85°	126.8	114.5	102.1	83.5
87.5°	24.7	18.6	9.3	9.3
90°	0.0	0.0	0.0	0.0

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