

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: P560827

Luminaire Tested: **SDL-PA1-60-830-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560827
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-PA1-60-830-U-T2U
Description: Springdale
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6026.2 lumens
Efficiency: N/A
Efficacy: 96.6 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: B2 - U0 - G2

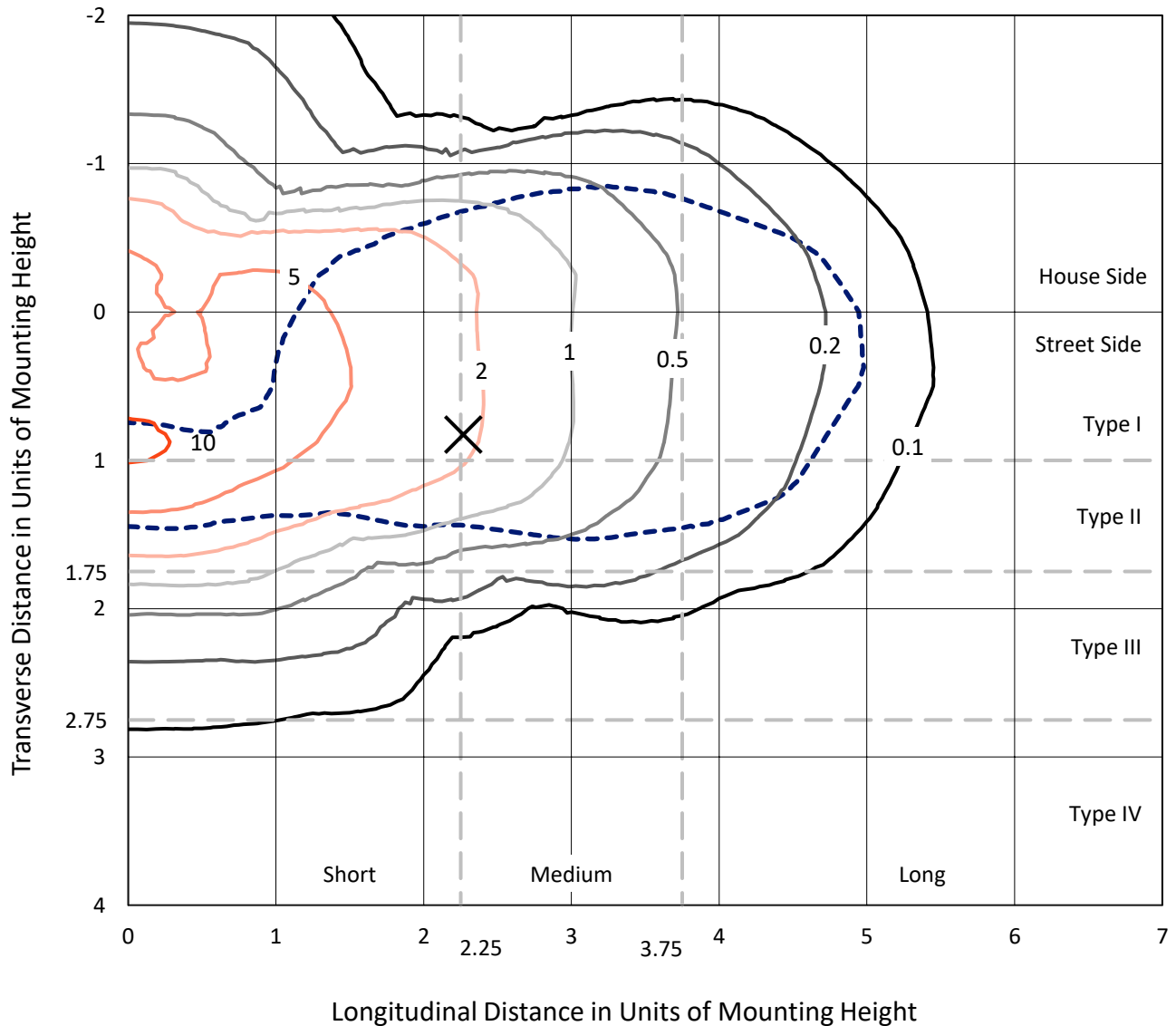
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

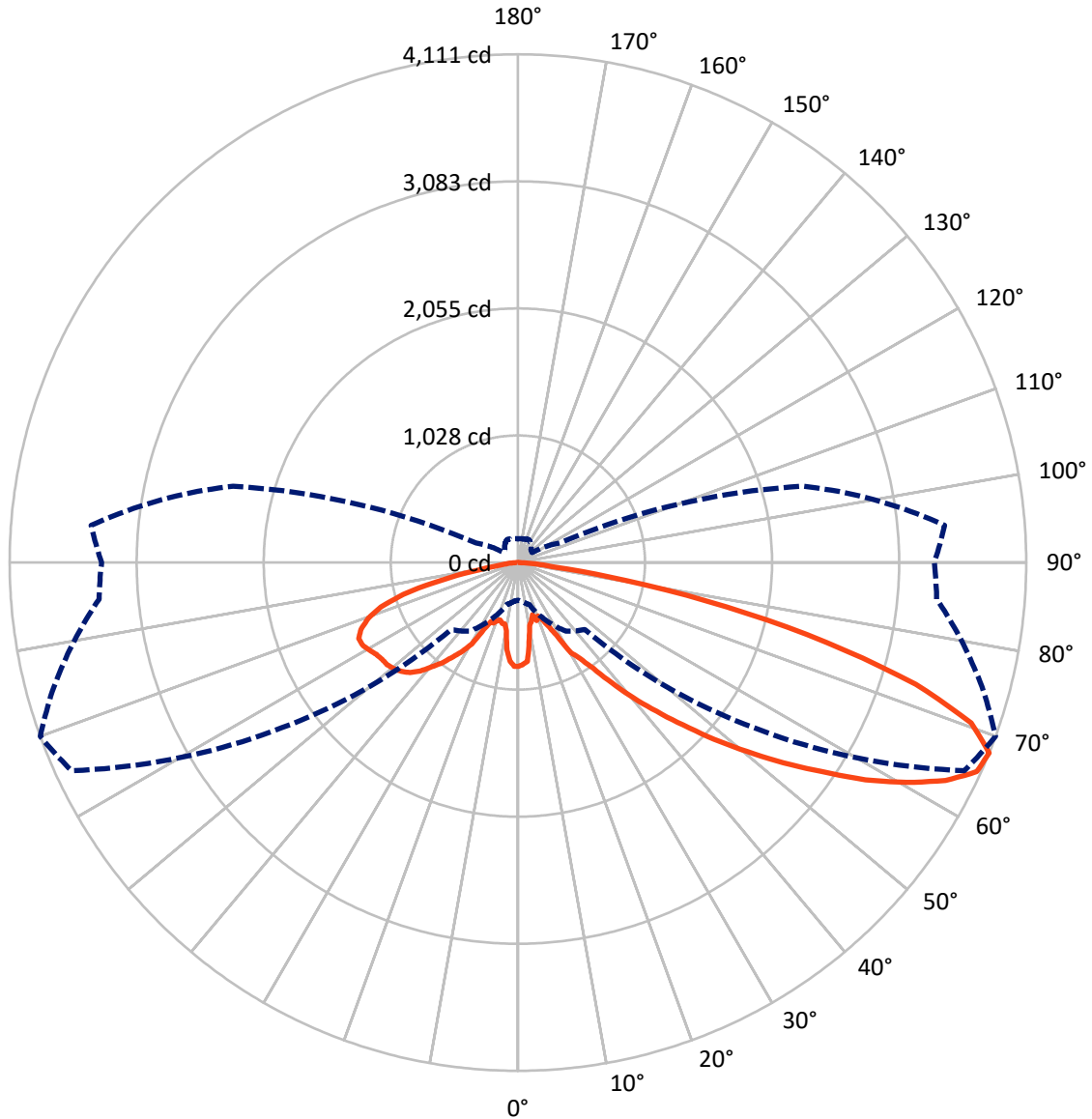
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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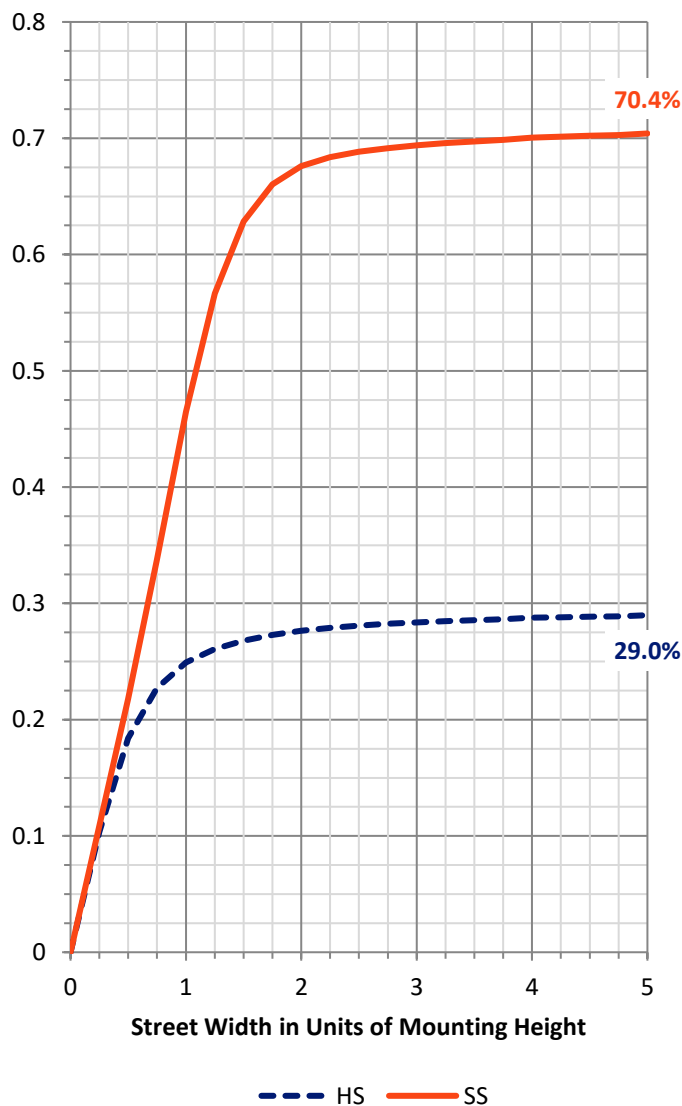
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1767.2	0.0	1767.2
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	4259.0	0.0	4259.0
	% Fixture	70.7	0.0	70.7
Total	Lumens	6026.2	0.0	6026.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	1.1
10°-20°	157.8	2.6
20°-30°	280.3	4.7
30°-40°	592.6	9.8
40°-50°	1084.8	18.0
50°-60°	1479.9	24.6
60°-70°	1395.2	23.2
70°-80°	844.4	14.0
80°-90°	124.0	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°	6026.2	100.0
0°-180°	6026.2	100.0

Coefficient of Utilization



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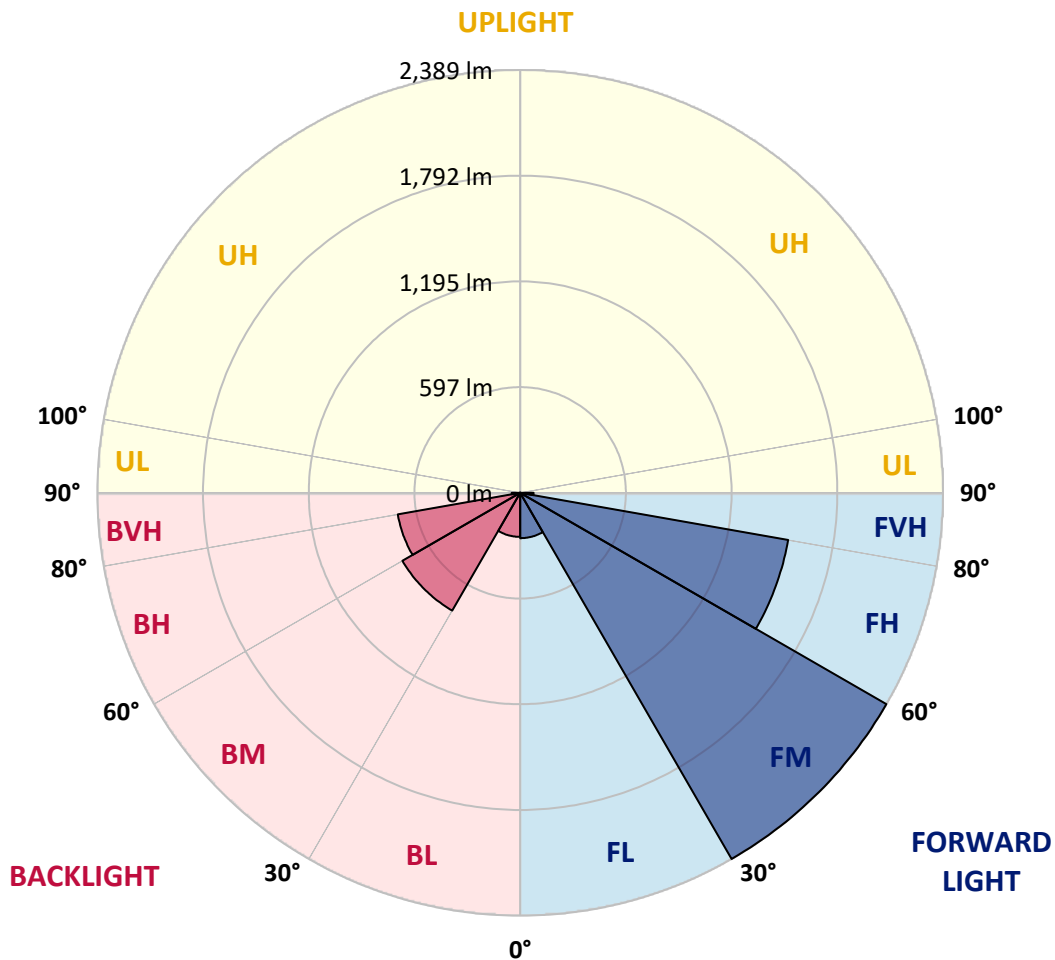
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.4	4.3			
FM (30°-60°)	2389.0	39.6			
FH (60°-80°)	1537.4	25.5			G1/1800
FVH (80°-90°)	76.1	1.3			G1/100
BL (0°-30°)	248.9	4.1	B1/500		
BM (30°-60°)	768.2	12.7	B1/1000		
BH (60°-80°)	702.1	11.7	B2/1000		G2/1000
BVH (80°-90°)	48.0	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-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	839.1	839.1	839.1	839.1	839.1	839.1	839.1	839.1	839.1	839.1	839.1
2.5°	704.6	711.2	754.5	797.9	800.0	800.0	802.2	804.4	810.9	815.2	819.6
5°	656.9	661.3	661.3	661.3	663.5	665.6	667.8	667.8	672.1	674.3	678.6
7.5°	550.7	594.1	609.2	622.3	630.9	637.4	641.8	646.1	650.4	654.8	659.1
10°	626.6	626.6	628.8	628.8	628.8	626.6	583.2	537.7	559.4	581.1	548.5
12.5°	516.0	524.7	563.7	600.6	611.4	620.1	598.4	574.6	535.5	496.5	492.2
15°	613.6	613.6	613.6	611.4	572.4	531.2	490.0	446.6	472.7	498.7	459.6
17.5°	531.2	531.2	563.7	594.1	591.9	587.6	550.7	511.7	451.0	388.1	438.0
20°	670.0	667.8	656.9	643.9	563.7	483.5	500.8	518.2	522.5	524.7	509.5
22.5°	598.4	600.6	613.6	626.6	628.8	630.9	537.7	442.3	496.5	550.7	498.7
25°	832.6	828.2	808.7	787.0	698.1	607.1	624.4	641.8	552.9	461.8	518.2
27.5°	791.4	778.4	769.7	761.0	776.2	791.4	709.0	624.4	643.9	663.5	591.9
30°	1131.8	1131.8	1110.1	1086.2	951.8	815.2	793.5	771.9	719.8	665.6	678.6
32.5°	1433.1	1433.1	1352.9	1270.5	1190.3	1110.1	1003.8	897.6	875.9	852.1	830.4
35°	1803.9	1793.1	1747.5	1699.8	1526.4	1352.9	1216.3	1079.7	1036.4	993.0	971.3
37.5°	2150.8	2126.9	2064.1	1999.0	1816.9	1632.6	1452.7	1272.7	1225.0	1177.3	1129.6
40°	2437.0	2424.0	2380.6	2335.1	2129.1	1923.1	1719.3	1513.4	1450.5	1387.6	1318.2
42.5°	2699.3	2688.5	2649.5	2608.3	2404.5	2198.5	2005.5	1810.4	1717.2	1623.9	1541.5
45°	2892.3	2875.0	2848.9	2820.8	2658.1	2493.4	2298.2	2100.9	2064.1	2027.2	1866.8
47.5°	2953.0	2922.7	2918.3	2914.0	2783.9	2653.8	2497.7	2341.6	2348.1	2354.6	2168.1
50°	2864.1	2818.6	2838.1	2857.6	2805.6	2751.4	2630.0	2508.5	2562.7	2614.8	2467.3
52.5°	2541.1	2530.2	2580.1	2627.8	2640.8	2653.8	2627.8	2599.6	2699.3	2799.1	2744.9
55°	2096.6	2144.3	2213.7	2283.1	2337.3	2389.3	2465.2	2541.1	2712.3	2883.6	2922.7
57.5°	1652.1	1702.0	1782.2	1862.4	1925.3	1988.2	2144.3	2300.4	2558.4	2816.4	2992.0
60°	1112.3	1164.3	1296.5	1426.6	1515.5	1604.4	1745.4	1886.3	2211.5	2536.7	2892.3
62.5°	741.5	724.2	834.7	943.1	1086.2	1229.3	1292.2	1352.9	1693.3	2031.5	2606.1
65°	455.3	457.5	500.8	542.0	700.3	856.4	906.3	954.0	1146.9	1339.9	2122.6
67.5°	305.7	312.2	331.7	351.2	427.1	503.0	589.7	676.5	722.0	765.4	1548.1
70°	271.0	273.2	281.9	290.5	312.2	333.9	414.1	494.3	468.3	440.1	878.1
72.5°	238.5	240.7	255.8	268.8	279.7	290.5	338.2	385.9	355.6	325.2	438.0
75°	195.1	201.6	216.8	229.8	251.5	271.0	281.9	292.7	277.5	260.2	281.9
77.5°	160.4	164.8	175.6	186.5	208.1	227.7	238.5	249.3	225.5	201.6	214.6
80°	125.8	127.9	136.6	145.3	162.6	177.8	190.8	201.6	180.0	156.1	162.6
82.5°	75.9	78.1	91.1	101.9	117.1	130.1	138.8	145.3	151.8	156.1	136.6
85°	41.2	41.2	49.9	58.5	60.7	62.9	71.5	78.1	97.6	114.9	99.7
87.5°	6.5	6.5	8.7	8.7	13.0	15.2	17.3	17.3	19.5	19.5	21.7
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°	839.1	839.1	839.1	839.1	839.1	839.1	839.1	839.1	839.1	839.1	839.1
2.5°	821.7	823.9	823.9	823.9	826.1	828.2	830.4	830.4	832.6	834.7	836.9
5°	683.0	739.3	793.5	802.2	808.7	813.1	817.4	819.6	823.9	828.2	830.4
7.5°	663.5	663.5	663.5	648.3	704.6	711.2	717.7	722.0	726.3	722.0	715.5
10°	513.8	513.8	511.7	516.0	539.9	581.1	620.1	624.4	628.8	594.1	557.2
12.5°	485.7	492.2	498.7	487.8	444.5	481.3	518.2	524.7	526.9	496.5	464.0
15°	418.5	420.6	422.8	438.0	526.9	563.7	600.6	607.1	613.6	581.1	546.4
17.5°	485.7	470.5	453.1	494.3	459.6	483.5	505.2	453.1	500.8	492.2	483.5
20°	494.3	442.3	388.1	461.8	539.9	576.7	611.4	615.8	617.9	591.9	563.7
22.5°	446.6	496.5	546.4	496.5	466.2	461.8	457.5	455.3	457.5	472.7	485.7
25°	574.6	511.7	448.8	563.7	635.3	652.6	670.0	661.3	656.9	624.4	591.9
27.5°	520.4	570.2	617.9	665.6	687.3	711.2	732.8	739.3	704.6	670.0	635.3
30°	689.5	719.8	748.0	845.6	917.1	938.8	960.5	938.8	925.8	882.4	836.9
32.5°	806.5	867.3	928.0	925.8	993.0	1010.4	1025.5	997.3	973.5	925.8	875.9
35°	949.6	988.7	1027.7	1049.4	1116.6	1123.1	1129.6	1092.7	1058.1	1001.7	945.3
37.5°	1081.9	1131.8	1179.5	1233.7	1292.2	1279.2	1264.0	1218.5	1162.1	1118.8	1075.4
40°	1246.7	1307.4	1368.1	1437.5	1472.2	1452.7	1431.0	1361.6	1307.4	1261.9	1216.3
42.5°	1457.0	1522.0	1584.9	1645.6	1658.6	1636.9	1613.1	1537.2	1454.8	1409.3	1361.6
45°	1704.2	1756.2	1808.2	1871.1	1897.1	1858.1	1816.9	1721.5	1623.9	1558.9	1493.8
47.5°	1979.5	2003.4	2027.2	2135.6	2170.3	2105.3	2038.1	1934.0	1797.4	1712.8	1626.1
50°	2319.9	2313.4	2304.7	2400.1	2480.4	2371.9	2261.4	2140.0	2005.5	1886.3	1764.9
52.5°	2690.7	2627.8	2562.7	2690.7	2729.7	2599.6	2469.5	2339.4	2205.0	2051.1	1895.0
55°	2961.7	2927.0	2892.3	2983.4	2979.0	2827.3	2673.3	2519.4	2408.8	2202.8	1996.9
57.5°	3165.5	3195.8	3224.0	3315.1	3211.0	3037.6	2864.1	2710.2	2614.8	2356.8	2098.8
60°	3245.7	3401.8	3555.8	3610.0	3451.7	3256.5	3059.2	2907.5	2827.3	2515.0	2202.8
62.5°	3180.7	3525.4	3870.1	3881.0	3672.8	3453.8	3234.9	3111.3	3070.1	2686.3	2300.4
65°	2905.3	3473.4	4039.2	4078.3	3844.1	3614.3	3382.3	3291.2	3317.3	2846.8	2374.1
67.5°	2328.6	3156.8	3982.9	4110.8	3885.3	3642.5	3399.6	3367.1	3464.7	2924.8	2385.0
70°	1316.1	2426.1	3534.1	3889.6	3770.4	3529.7	3286.9	3302.1	3447.3	2881.5	2315.6
72.5°	548.5	1678.1	2807.7	3365.0	3469.0	3265.2	3059.2	3115.6	3215.4	2677.7	2137.8
75°	303.5	1071.1	1838.6	2580.1	2901.0	2846.8	2790.4	2853.3	2805.6	2285.2	1764.9
77.5°	225.5	578.9	932.3	1728.0	2183.3	2306.9	2428.3	2458.7	2192.0	1669.5	1146.9
80°	169.1	275.4	379.4	882.4	1170.8	1391.9	1613.1	1476.5	1290.0	901.9	513.8
82.5°	117.1	158.3	199.5	284.0	455.3	524.7	591.9	563.7	422.8	297.0	169.1
85°	82.4	104.1	125.8	156.1	195.1	156.1	117.1	95.4	110.6	101.9	93.2
87.5°	21.7	21.7	19.5	21.7	15.2	13.0	10.8	8.7	8.7	8.7	8.7
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°	839.1	839.1	839.1	839.1	839.1	839.1	839.1	839.1	839.1	839.1	839.1
2.5°	839.1	841.2	841.2	841.2	841.2	839.1	828.2	817.4	791.4	765.4	756.7
5°	802.2	774.0	752.3	730.7	730.7	730.7	735.0	739.3	741.5	743.7	745.8
7.5°	715.5	713.3	722.0	730.7	737.2	743.7	748.0	752.3	743.7	735.0	715.5
10°	559.4	559.4	570.2	578.9	594.1	609.2	652.6	696.0	732.8	769.7	776.2
12.5°	507.3	548.5	524.7	498.7	552.9	607.1	654.8	700.3	737.2	771.9	743.7
15°	509.5	470.5	479.2	487.8	546.4	604.9	561.5	516.0	602.7	687.3	706.8
17.5°	485.7	487.8	526.9	565.9	507.3	446.6	522.5	598.4	630.9	661.3	633.1
20°	498.7	431.5	477.0	522.5	563.7	602.7	563.7	522.5	533.4	544.2	617.9
22.5°	526.9	568.1	529.0	490.0	537.7	583.2	563.7	544.2	578.9	611.4	581.1
25°	524.7	455.3	520.4	585.4	542.0	496.5	520.4	544.2	526.9	507.3	563.7
27.5°	604.9	574.6	557.2	537.7	561.5	585.4	535.5	485.7	485.7	485.7	479.2
30°	756.7	676.5	641.8	604.9	546.4	487.8	470.5	453.1	455.3	457.5	490.0
32.5°	845.6	815.2	711.2	607.1	552.9	498.7	453.1	407.6	411.9	416.3	457.5
35°	923.6	899.8	761.0	620.1	531.2	440.1	401.1	359.9	379.4	396.8	431.5
37.5°	1012.5	947.5	758.8	568.1	472.7	377.3	353.4	329.6	342.6	353.4	375.1
40°	1092.7	967.0	739.3	509.5	414.1	316.5	305.7	292.7	303.5	314.4	327.4
42.5°	1179.5	995.2	711.2	425.0	349.1	273.2	268.8	264.5	275.4	286.2	294.9
45°	1246.7	999.5	674.3	346.9	297.0	247.2	247.2	245.0	255.8	264.5	268.8
47.5°	1290.0	951.8	615.8	277.5	255.8	234.2	236.3	236.3	245.0	251.5	253.7
50°	1320.4	873.8	559.4	245.0	234.2	223.3	223.3	223.3	232.0	238.5	242.8
52.5°	1342.1	787.0	507.3	225.5	221.2	214.6	214.6	212.5	223.3	234.2	236.3
55°	1348.6	698.1	455.3	210.3	206.0	201.6	206.0	208.1	221.2	232.0	234.2
57.5°	1363.8	628.8	411.9	195.1	193.0	190.8	197.3	203.8	216.8	229.8	229.8
60°	1394.1	583.2	381.6	180.0	180.0	180.0	190.8	199.5	212.5	225.5	223.3
62.5°	1422.3	542.0	353.4	164.8	166.9	169.1	182.1	195.1	208.1	221.2	219.0
65°	1426.6	477.0	314.4	151.8	156.1	158.3	173.5	188.6	201.6	214.6	210.3
67.5°	1378.9	372.9	255.8	138.8	145.3	149.6	166.9	182.1	195.1	206.0	201.6
70°	1292.2	266.7	197.3	127.9	134.4	138.8	156.1	171.3	182.1	193.0	188.6
72.5°	1164.3	190.8	153.9	117.1	121.4	125.8	140.9	156.1	169.1	180.0	175.6
75°	960.5	153.9	130.1	106.2	110.6	112.7	127.9	140.9	153.9	164.8	158.3
77.5°	637.4	125.8	110.6	95.4	97.6	99.7	112.7	123.6	134.4	143.1	138.8
80°	307.9	101.9	93.2	82.4	84.6	84.6	95.4	106.2	114.9	121.4	119.2
82.5°	125.8	80.2	73.7	67.2	67.2	67.2	78.1	86.7	95.4	101.9	97.6
85°	78.1	62.9	58.5	52.0	49.9	47.7	52.0	56.4	60.7	62.9	60.7
87.5°	10.8	10.8	13.0	15.2	13.0	8.7	13.0	17.3	17.3	15.2	13.0
90°	0.0	0.0	6.5	6.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	839.1	839.1	839.1	839.1
2.5°	748.0	748.0	748.0	752.3
5°	745.8	745.8	745.8	750.2
7.5°	696.0	674.3	652.6	654.8
10°	780.5	782.7	782.7	784.9
12.5°	713.3	678.6	643.9	648.3
15°	726.3	726.3	724.2	726.3
17.5°	604.9	594.1	583.2	583.2
20°	691.6	691.6	691.6	691.6
22.5°	550.7	548.5	546.4	548.5
25°	620.1	622.3	622.3	620.1
27.5°	472.7	500.8	526.9	529.0
30°	520.4	520.4	520.4	520.4
32.5°	498.7	520.4	542.0	544.2
35°	464.0	461.8	459.6	466.2
37.5°	394.6	390.3	385.9	385.9
40°	340.4	331.7	323.1	323.1
42.5°	301.4	294.9	286.2	284.0
45°	273.2	266.7	258.0	258.0
47.5°	253.7	249.3	245.0	242.8
50°	245.0	240.7	236.3	236.3
52.5°	238.5	236.3	232.0	232.0
55°	234.2	232.0	227.7	227.7
57.5°	229.8	227.7	223.3	223.3
60°	221.2	219.0	216.8	216.8
62.5°	214.6	212.5	210.3	210.3
65°	206.0	206.0	203.8	201.6
67.5°	195.1	195.1	195.1	190.8
70°	182.1	182.1	182.1	177.8
72.5°	169.1	169.1	166.9	160.4
75°	151.8	149.6	147.4	143.1
77.5°	134.4	130.1	125.8	123.6
80°	114.9	110.6	106.2	101.9
82.5°	91.1	88.9	84.6	73.7
85°	56.4	49.9	41.2	36.9
87.5°	10.8	8.7	6.5	2.2
90°	0.0	0.0	0.0	0.0

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