

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: P193039

Luminaire Tested: **GAN-AF-01-LED-U-SLL-7030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-01-LED-U-SLL-7030-1200
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5811.5 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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: 28.75 FT

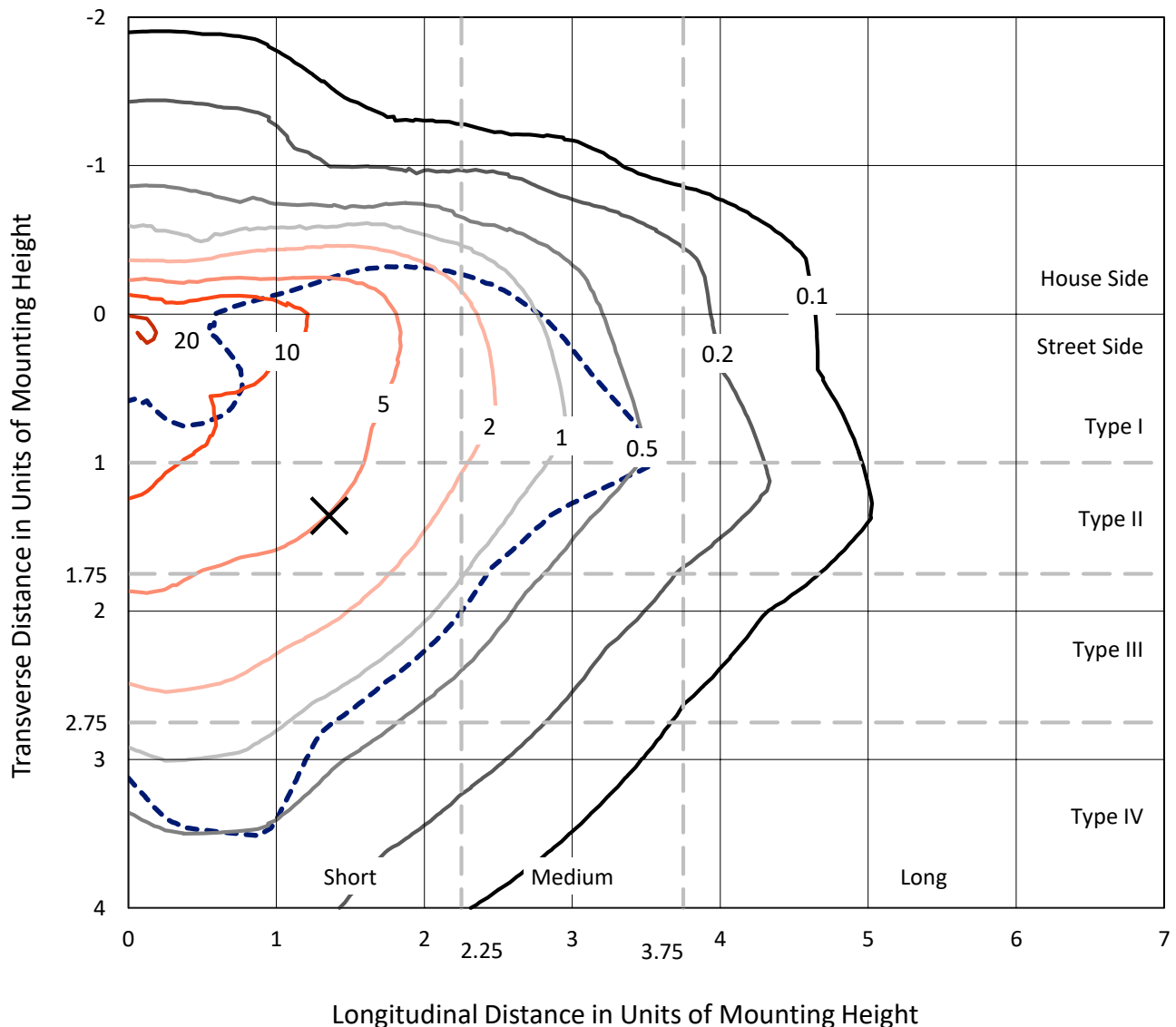


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

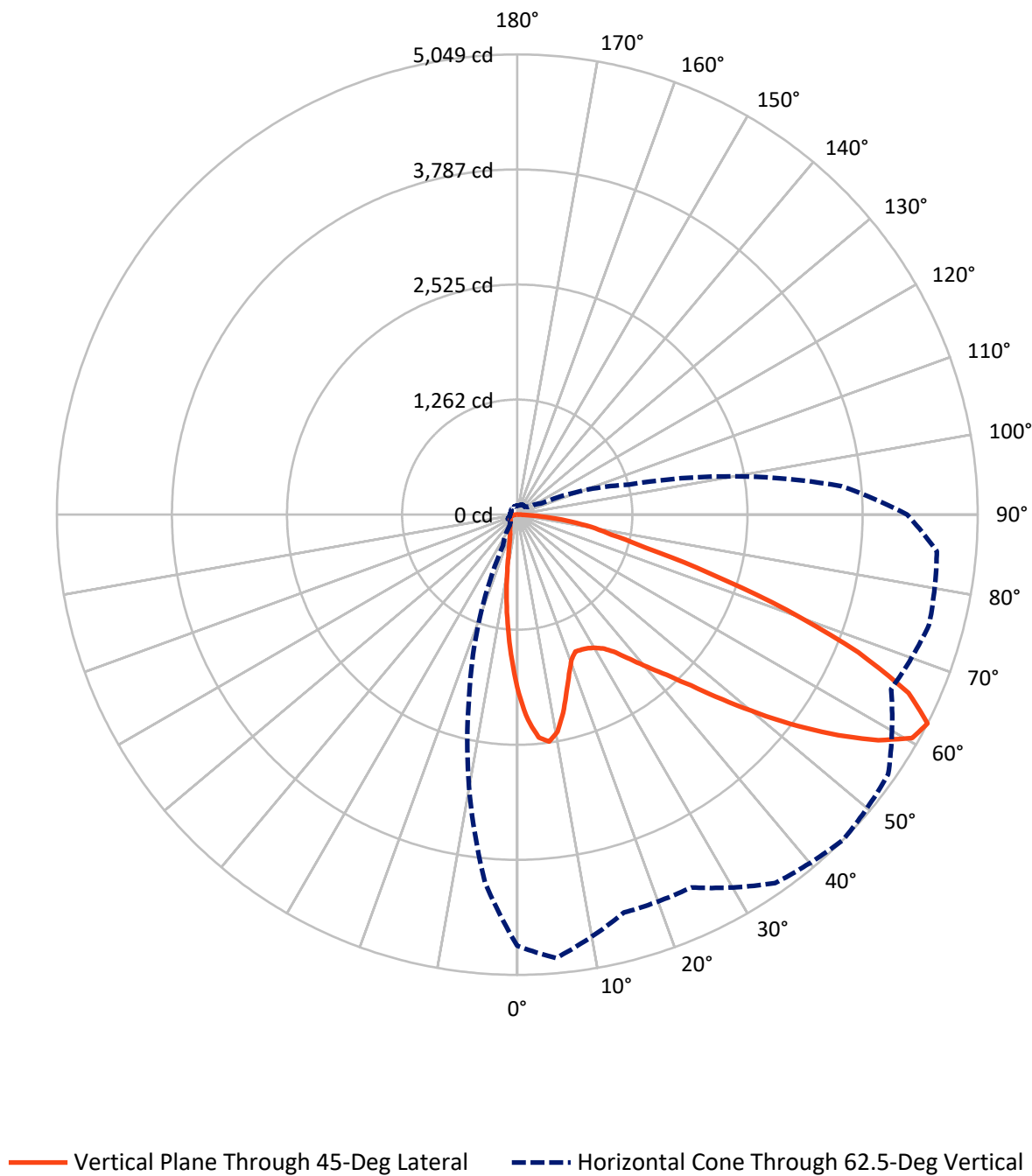


Based on 10 foot mounting height. Maximum calculated value = 23.1 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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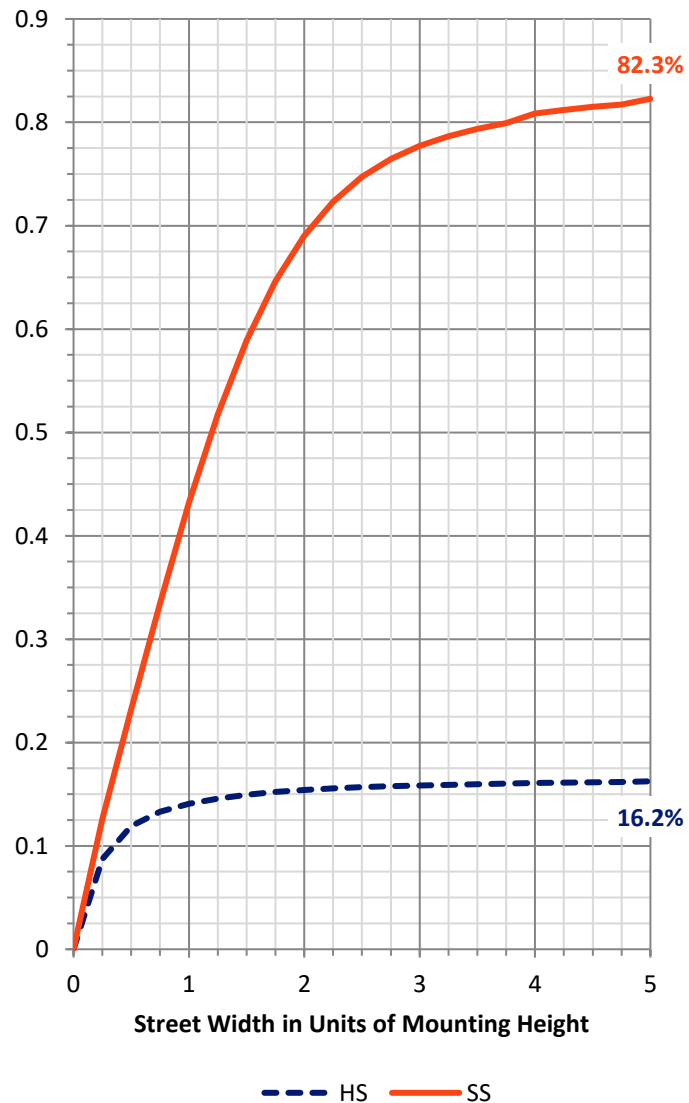
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	961.7	0.0	961.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	4849.8	0.0	4849.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	5811.5	0.0	5811.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.9	2.5
10°-20°	262.1	4.5
20°-30°	382.1	6.6
30°-40°	588.5	10.1
40°-50°	866.2	14.9
50°-60°	1270.5	21.9
60°-70°	1420.2	24.4
70°-80°	695.3	12.0
80°-90°	183.6	3.2
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°	5811.5	100.0
0°-180°	5811.5	100.0

Coefficient of Utilization



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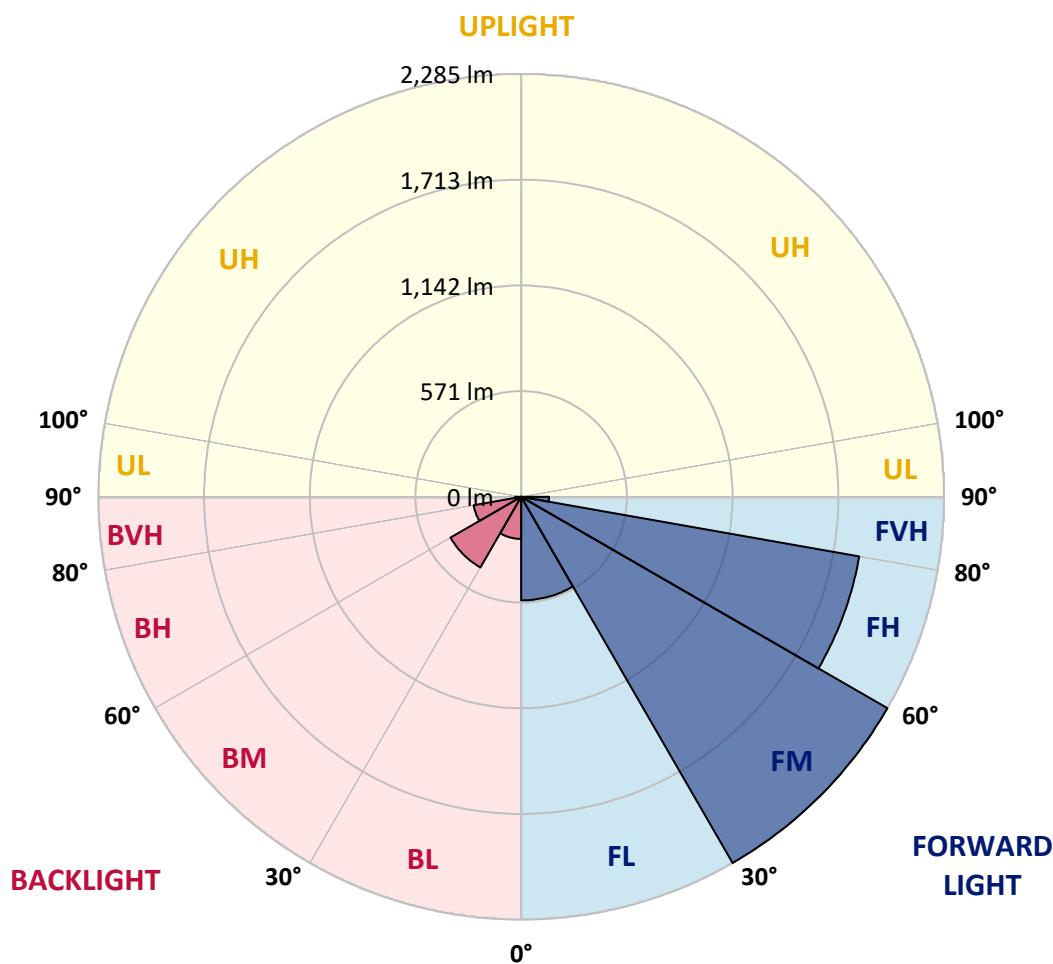
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	559.6	9.6			
FM	(30°-60°)	2284.5	39.3			
FH	(60°-80°)	1854.8	31.9			G2/5000
FVH	(80°-90°)	150.8	2.6			G2/225
BL	(0°-30°)	227.5	3.9	B1/500		
BM	(30°-60°)	440.7	7.6	B1/1000		
BH	(60°-80°)	260.7	4.5	B1/500		G1/500
BVH	(80°-90°)	32.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4
2.5°	2040.1	2072.6	2136.2	2183.9	2241.7	2255.1	2273.6	2255.4	2223.2	2180.4	2166.3
5°	1918.4	1988.1	2142.3	2278.2	2398.9	2455.0	2470.8	2424.5	2330.8	2207.8	2132.7
7.5°	1723.2	1822.2	2031.1	2231.2	2409.0	2514.2	2511.7	2404.0	2231.8	2031.4	1911.1
10°	1554.9	1668.0	1907.5	2131.2	2320.0	2421.8	2382.6	2244.8	2039.5	1808.8	1678.1
12.5°	1460.6	1571.4	1814.6	2039.1	2196.9	2232.0	2202.1	2067.3	1873.7	1640.4	1526.2
15°	1444.3	1566.0	1777.5	1960.2	2048.7	2018.0	1982.3	1921.9	1785.2	1586.1	1467.1
17.5°	1514.9	1649.0	1820.0	1905.3	1890.3	1836.9	1826.7	1833.4	1800.5	1646.5	1509.2
20°	1650.4	1811.4	1921.3	1879.4	1769.9	1696.4	1698.9	1801.4	1898.9	1799.5	1642.7
22.5°	1840.5	2024.1	2067.3	1893.1	1719.0	1631.8	1652.9	1819.0	2055.7	2023.2	1822.9
25°	2086.5	2253.8	2222.9	1942.9	1724.1	1639.9	1656.7	1879.7	2241.0	2246.8	2045.9
27.5°	2324.7	2479.9	2353.6	2009.2	1745.2	1658.7	1681.1	1975.3	2418.0	2489.6	2300.8
30°	2510.7	2618.6	2405.3	2069.5	1786.8	1695.3	1723.2	2066.0	2498.5	2653.5	2496.9
32.5°	2664.7	2742.3	2487.8	2144.2	1863.1	1753.3	1802.1	2176.2	2614.5	2809.4	2689.0
35°	2861.5	2883.5	2590.2	2227.7	1981.0	1853.9	1914.5	2284.2	2725.0	2966.8	2878.1
37.5°	3092.1	3063.6	2687.0	2341.7	2133.4	2011.4	2061.5	2402.7	2816.0	3145.5	3071.4
40°	3320.2	3251.9	2808.4	2518.7	2355.7	2196.9	2256.4	2529.3	2901.1	3324.3	3260.2
42.5°	3514.1	3412.8	2928.2	2713.2	2562.7	2401.7	2472.6	2656.6	2982.2	3477.0	3424.0
45°	3657.6	3531.7	3042.4	2900.1	2848.1	2673.9	2707.5	2802.7	3070.0	3604.6	3558.9
47.5°	3785.8	3651.2	3171.4	3088.6	3097.5	3027.9	2973.9	2972.6	3173.6	3708.7	3686.3
50°	3957.3	3817.0	3310.0	3282.8	3471.9	3425.6	3306.5	3171.0	3304.5	3827.0	3824.3
52.5°	4193.6	4079.6	3479.3	3492.0	3821.5	3851.8	3704.2	3409.3	3509.6	4043.8	4028.5
55°	4473.2	4406.8	3710.0	3732.7	4250.1	4271.9	4125.3	3707.3	3811.2	4357.8	4315.3
57.5°	4691.4	4677.3	3963.0	4021.4	4570.4	4668.0	4533.2	4052.4	4151.1	4622.3	4515.6
60°	4778.2	4846.3	4232.2	4312.8	4866.4	4974.7	4856.6	4355.6	4452.5	4731.9	4501.9
62.5°	4731.3	4883.4	4519.2	4512.4	4932.5	5049.2	4966.1	4524.3	4675.8	4618.8	4274.1
65°	4514.4	4750.1	4685.6	4461.0	4706.4	4715.9	4689.1	4448.9	4728.4	4261.3	3833.9
67.5°	4041.9	4381.2	4466.4	4020.2	4096.2	4033.9	3988.8	4036.1	4453.6	3725.6	3222.2
70°	3292.1	3802.6	3843.5	3215.4	3181.0	3139.0	3049.3	3309.0	3911.6	3053.5	2556.6
72.5°	2420.6	2957.3	3082.9	2358.3	2198.6	2207.1	2136.2	2493.8	3180.3	2268.2	1908.8
75°	1656.2	2141.4	2412.0	1645.6	1453.9	1457.4	1448.4	1766.9	2533.0	1577.8	1428.3
77.5°	1209.8	1529.9	1819.0	1106.4	1074.0	1054.3	1049.4	1236.4	1942.1	1145.6	1109.2
80°	970.9	1130.3	1221.9	766.7	824.6	822.9	796.4	850.1	1268.3	837.9	829.6
82.5°	673.5	868.6	990.0	600.9	556.4	547.3	553.6	633.1	896.5	572.8	544.6
85°	355.2	577.0	980.5	532.5	330.3	263.6	327.8	518.6	776.7	303.5	265.8
87.5°	45.4	166.7	649.1	212.4	130.3	70.3	155.5	291.9	498.7	62.0	54.0
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4
2.5°	2130.2	2087.7	2032.1	1980.7	1927.4	1874.4	1805.0	1761.6	1731.5	1725.7	1712.9
5°	2078.4	1937.2	1830.5	1738.2	1654.5	1536.3	1470.8	1416.5	1387.5	1384.6	1377.5
7.5°	1839.8	1644.9	1500.9	1370.2	1251.7	1156.2	1050.7	1001.6	981.3	986.2	991.0
10°	1591.6	1373.7	1208.2	1074.7	970.2	889.7	805.0	747.9	708.2	700.3	698.7
12.5°	1410.1	1171.1	1010.4	916.2	835.4	759.7	669.9	602.6	551.1	533.5	521.7
15°	1333.4	1072.2	903.8	802.2	713.0	616.9	533.5	462.9	415.6	400.3	391.7
17.5°	1349.8	1044.6	830.3	700.3	586.1	485.8	380.8	320.4	291.9	284.6	284.6
20°	1435.3	1039.5	769.6	606.4	464.2	347.9	261.6	227.2	217.9	216.9	219.5
22.5°	1555.6	1057.4	724.3	524.9	360.7	254.0	203.8	191.1	186.9	187.8	190.7
25°	1734.4	1117.8	691.3	452.4	283.1	207.9	181.8	174.2	172.2	174.7	178.3
27.5°	1946.5	1178.2	670.9	397.7	239.0	190.1	172.8	164.9	166.1	169.4	172.5
30°	2132.7	1227.7	638.6	358.8	225.2	191.1	172.8	161.9	160.7	161.3	162.2
32.5°	2299.8	1261.3	600.9	321.7	194.3	169.7	161.3	159.7	152.8	150.1	150.4
35°	2443.9	1261.3	578.2	300.0	174.2	150.4	137.0	129.0	125.5	125.8	129.4
37.5°	2582.9	1236.0	567.0	287.8	163.3	143.1	131.3	124.2	119.5	118.5	119.2
40°	2705.6	1199.2	554.3	282.8	154.9	138.6	127.5	121.8	116.6	115.0	115.4
42.5°	2803.9	1169.5	540.2	276.0	149.8	135.5	124.9	119.7	114.0	112.4	112.1
45°	2910.3	1159.7	521.7	262.6	152.4	135.8	124.2	118.9	113.1	111.2	110.6
47.5°	3050.6	1190.6	502.5	246.6	157.8	137.3	125.2	118.9	112.7	111.2	110.6
50°	3227.2	1263.5	478.2	223.3	152.4	141.8	124.9	117.9	112.7	111.2	110.0
52.5°	3454.0	1361.9	446.4	196.4	149.1	152.8	124.2	116.0	111.2	108.9	106.7
55°	3729.8	1442.4	408.3	174.4	141.8	149.8	123.4	113.7	108.6	105.4	103.5
57.5°	3931.7	1471.5	359.4	160.1	131.6	145.0	122.1	110.9	105.4	102.9	100.3
60°	3891.7	1415.2	318.2	151.1	125.5	131.0	121.1	108.2	102.6	100.6	98.5
62.5°	3571.9	1268.3	291.7	147.0	121.8	119.5	122.1	105.8	100.0	98.2	97.5
65°	3092.5	1051.4	281.2	146.0	118.5	112.7	113.4	102.9	97.1	95.5	94.8
67.5°	2550.9	848.5	271.8	149.1	114.4	107.9	104.8	99.0	94.3	92.7	91.3
70°	2011.7	705.7	267.6	147.3	109.3	103.1	99.7	94.8	90.6	89.1	88.2
72.5°	1620.0	596.1	265.5	145.4	102.6	96.8	93.6	89.5	85.0	84.3	83.4
75°	1370.8	468.6	243.1	139.3	94.8	89.1	86.9	83.0	78.5	78.5	77.9
77.5°	1057.4	338.9	202.2	123.4	86.9	80.6	78.5	75.7	70.6	71.6	71.2
80°	781.1	221.0	158.1	102.2	77.0	70.9	69.9	67.0	61.6	63.0	63.0
82.5°	535.2	145.0	113.7	83.7	65.8	60.1	60.1	57.2	51.2	51.8	53.6
85°	268.7	99.7	85.0	64.9	51.2	48.3	48.3	46.0	39.9	40.2	42.8
87.5°	81.8	60.1	56.3	46.3	36.7	36.0	34.5	32.9	29.1	28.7	30.4
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4
2.5°	1693.5	1675.3	1653.2	1604.7	1588.4	1587.4	1602.1	1586.8	1616.2	1603.7	1617.5
5°	1365.7	1347.8	1323.2	1261.3	1223.6	1198.0	1185.9	1150.1	1175.9	1157.0	1172.8
7.5°	1004.4	1008.6	992.3	955.8	873.7	832.5	808.3	786.5	805.4	803.5	833.5
10°	706.1	717.2	705.7	669.0	602.6	579.8	584.3	592.9	617.6	630.3	676.7
12.5°	508.3	507.6	500.3	467.4	423.6	426.2	444.3	459.4	482.1	495.5	542.8
15°	379.5	373.7	370.6	343.7	318.8	324.3	333.2	334.8	349.2	357.2	395.5
17.5°	287.0	289.7	293.3	274.1	255.2	251.8	244.7	236.1	240.3	241.8	261.0
20°	227.8	239.3	247.9	234.5	215.3	205.1	196.1	190.4	190.4	190.1	195.5
22.5°	199.1	207.4	216.6	207.4	190.1	181.2	176.0	171.5	170.9	170.9	176.0
25°	183.3	189.4	198.5	192.0	179.1	172.5	167.7	161.9	159.7	159.1	162.6
27.5°	175.7	178.3	182.7	177.0	166.1	162.9	161.7	156.6	153.6	152.1	155.5
30°	162.6	161.9	162.2	156.6	147.9	147.6	149.8	150.8	149.8	149.4	154.9
32.5°	150.4	149.1	148.9	143.7	135.8	133.9	135.8	137.6	140.0	143.1	149.4
35°	135.2	138.3	140.3	135.8	126.2	120.4	118.2	114.7	112.7	112.7	120.0
37.5°	123.0	130.3	133.2	129.0	118.5	110.6	106.7	106.1	106.4	107.6	114.7
40°	118.9	124.2	126.8	122.7	112.1	104.8	102.6	101.9	102.6	104.5	111.5
42.5°	116.3	120.0	119.7	114.7	106.1	100.9	99.7	99.0	99.7	101.6	109.3
45°	114.0	116.6	114.0	107.9	100.0	97.5	97.8	97.5	98.2	100.0	107.3
47.5°	112.1	113.1	110.0	103.8	95.5	94.8	96.1	97.1	97.8	99.3	107.1
50°	109.3	109.3	106.4	100.0	91.7	92.0	93.6	95.8	96.1	98.2	104.2
52.5°	105.8	105.4	103.5	97.5	88.5	89.5	89.5	92.0	92.7	94.8	101.3
55°	102.9	102.2	101.3	95.5	85.7	87.2	86.2	87.2	88.8	91.0	98.2
57.5°	100.3	99.0	99.0	94.0	83.4	84.0	81.8	83.0	85.0	86.9	94.3
60°	97.8	96.4	97.1	91.7	79.9	79.2	78.2	80.9	81.5	83.7	91.0
62.5°	94.8	94.0	94.3	89.1	77.3	75.7	75.7	77.9	78.2	81.5	88.5
65°	92.7	91.3	91.0	86.6	74.4	72.5	73.5	74.4	75.1	78.2	85.0
67.5°	90.3	87.9	87.9	84.3	71.2	69.3	71.2	70.9	71.9	74.8	80.2
70°	87.5	84.0	84.3	82.7	68.1	65.8	67.4	67.0	67.7	69.6	75.1
72.5°	83.0	80.2	80.9	80.2	64.9	61.6	62.3	62.3	62.3	63.9	69.6
75°	77.3	75.1	77.0	78.5	60.9	56.6	57.2	57.2	56.3	57.2	64.3
77.5°	70.3	69.1	75.4	73.2	56.6	51.2	51.2	50.5	48.5	49.8	57.5
80°	62.6	61.6	69.6	61.3	51.5	44.4	43.8	42.2	40.2	41.2	48.8
82.5°	54.6	53.6	58.5	47.0	44.4	36.7	35.2	32.2	30.4	31.3	38.4
85°	44.7	44.7	45.1	35.5	33.9	28.1	26.2	22.4	20.1	20.8	27.5
87.5°	31.9	32.9	30.4	24.2	20.1	15.7	14.4	12.1	10.3	11.8	14.4
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4	1963.4
2.5°	1687.7	1722.9	1762.8	1813.9	1857.7	1929.6	1998.6	2040.1
5°	1262.0	1320.4	1393.2	1486.8	1574.0	1705.0	1835.0	1918.4
7.5°	903.1	965.8	1044.3	1161.2	1284.6	1451.6	1623.5	1723.2
10°	747.3	811.5	877.6	956.4	1057.4	1239.2	1442.4	1554.9
12.5°	618.2	686.8	758.0	841.2	934.7	1097.1	1331.3	1460.6
15°	473.1	549.8	633.8	738.9	856.1	1043.7	1303.8	1444.3
17.5°	324.3	409.8	513.1	642.8	786.2	1026.5	1352.9	1514.9
20°	223.3	285.6	395.8	547.9	720.3	1024.2	1447.4	1650.4
22.5°	186.9	214.7	295.2	460.6	670.9	1051.7	1594.1	1840.5
25°	172.8	189.4	235.8	384.9	634.8	1115.0	1796.0	2086.5
27.5°	164.6	179.5	214.0	335.4	606.4	1188.4	1992.6	2324.7
30°	167.7	183.0	207.9	310.2	567.7	1249.7	2166.9	2510.7
32.5°	151.1	157.8	178.3	287.8	539.8	1301.2	2319.7	2664.7
35°	128.7	140.6	159.1	277.3	540.5	1335.7	2486.0	2861.5
37.5°	122.7	134.5	147.9	273.4	547.9	1372.4	2677.1	3092.1
40°	118.9	129.7	141.2	271.2	554.9	1405.9	2864.3	3320.2
42.5°	116.3	126.2	140.6	263.6	558.5	1436.0	3018.3	3514.1
45°	116.0	126.2	143.1	255.8	563.9	1468.2	3147.4	3657.6
47.5°	116.3	130.3	138.3	246.6	563.9	1522.3	3298.7	3785.8
50°	115.0	137.3	133.2	233.5	550.7	1624.4	3506.4	3957.3
52.5°	114.4	136.5	123.4	213.4	528.0	1786.8	3772.6	4193.6
55°	112.7	131.6	116.3	183.3	501.6	1963.7	4057.6	4473.2
57.5°	111.2	116.6	112.4	157.3	460.6	2088.4	4253.7	4691.4
60°	124.5	101.9	109.3	144.4	406.0	2122.6	4246.1	4778.2
62.5°	115.4	95.5	105.1	141.5	367.6	2026.6	4049.9	4731.3
65°	90.3	91.3	100.9	149.8	357.5	1772.7	3702.2	4514.4
67.5°	82.7	87.2	96.8	160.4	358.5	1419.4	3182.8	4041.9
70°	77.9	82.7	92.0	165.8	361.0	1058.0	2516.5	3292.1
72.5°	72.5	76.7	86.6	166.7	344.3	768.6	1939.5	2420.6
75°	66.1	69.9	78.8	145.4	285.2	533.1	1483.6	1656.2
77.5°	58.8	61.6	69.3	112.1	211.9	341.2	1113.7	1209.8
80°	50.1	51.8	58.1	82.1	145.0	213.4	881.0	970.9
82.5°	40.2	40.9	45.1	61.6	94.3	137.0	590.0	673.5
85°	28.4	28.4	31.0	44.7	64.3	86.9	320.4	355.2
87.5°	13.4	13.7	13.7	24.6	33.6	44.1	73.8	45.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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