

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: P324165

Luminaire Tested: **GAN-SA1C-740-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5491 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

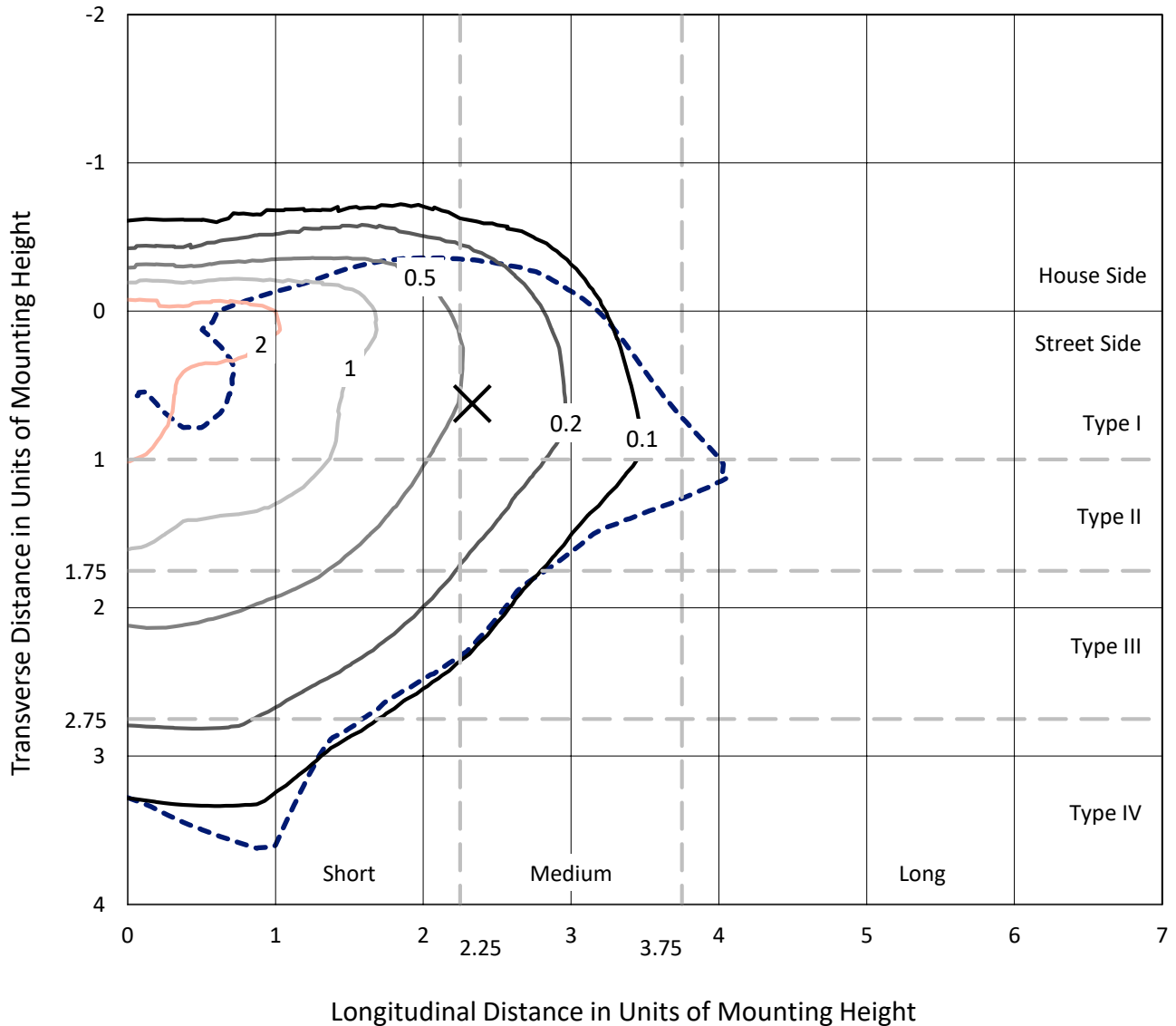
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

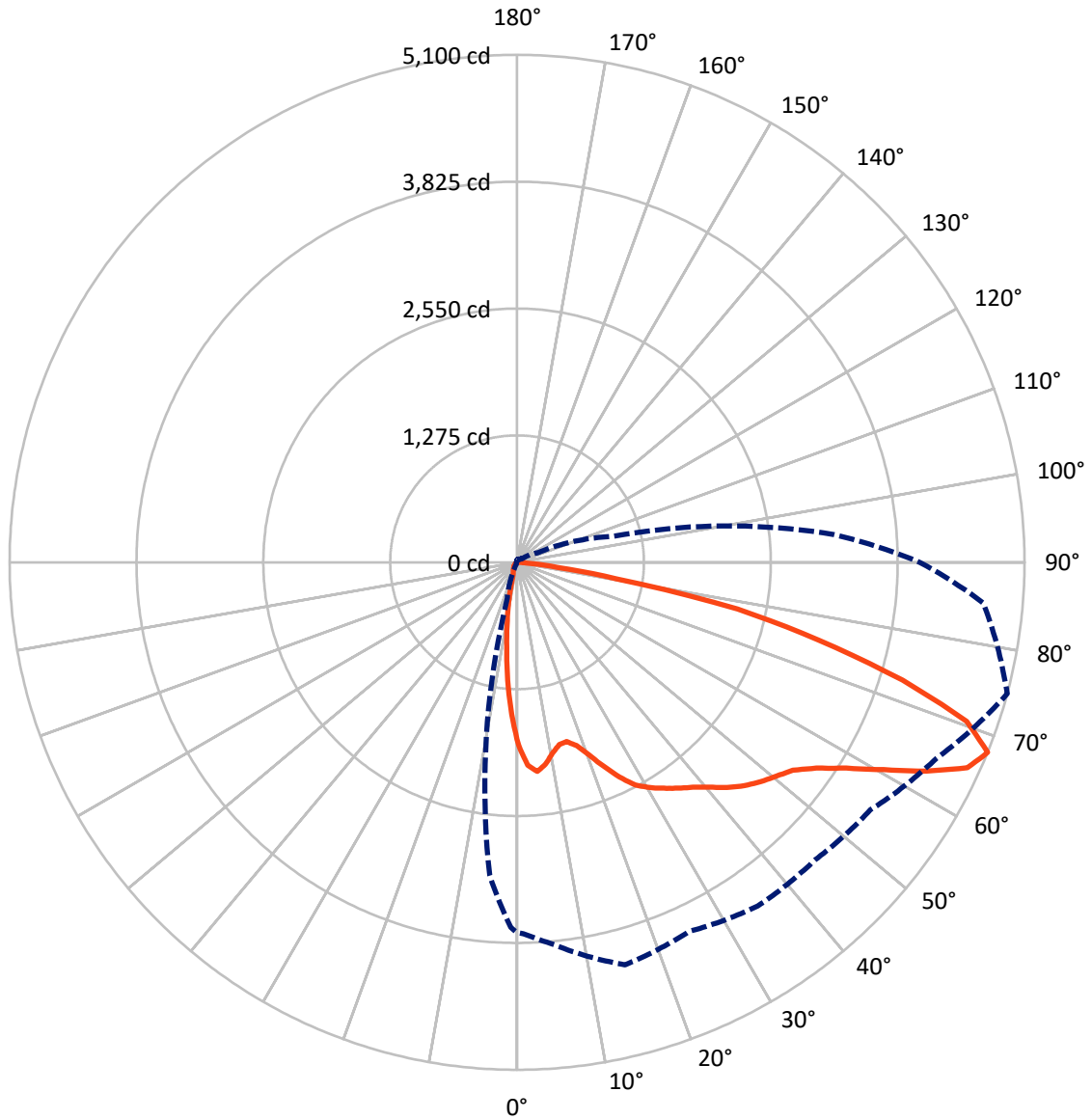
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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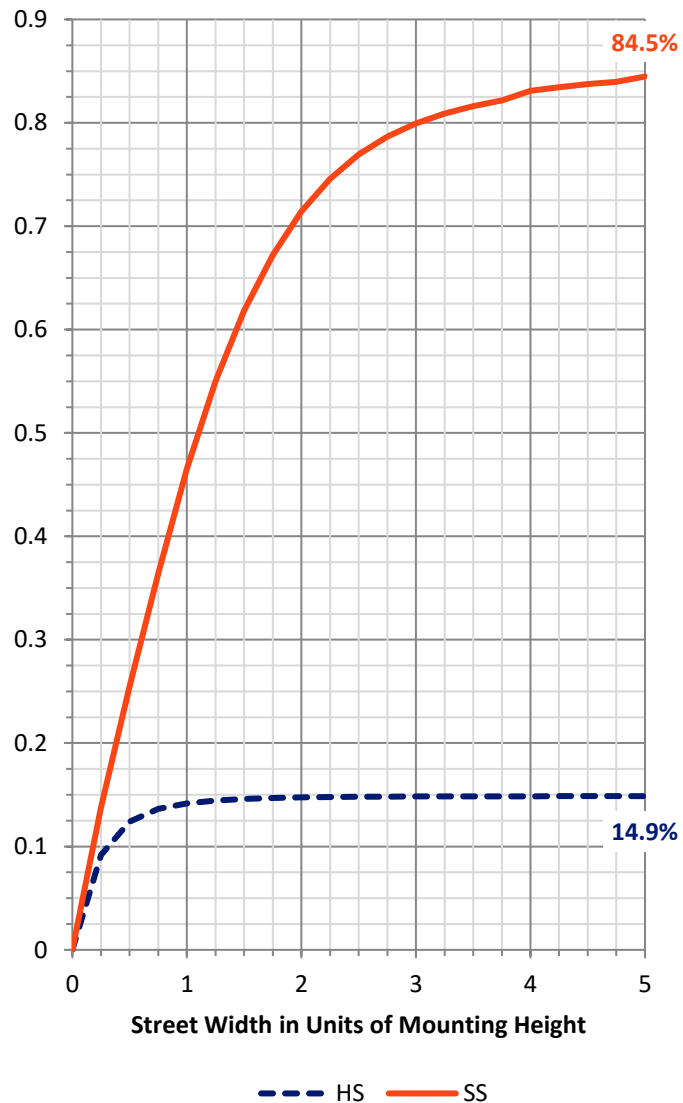
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	824.0	0.0	824.0
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	4667.0	0.0	4667.0
	% Fixture	85.0	0.0	85.0
Total	Lumens	5491.0	0.0	5491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.7	2.5
10°-20°	275.1	5.0
20°-30°	389.2	7.1
30°-40°	572.3	10.4
40°-50°	822.6	15.0
50°-60°	1158.0	21.1
60°-70°	1352.4	24.6
70°-80°	690.0	12.6
80°-90°	91.7	1.7
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°	5491.0	100.0
0°-180°	5491.0	100.0

Coefficient of Utilization

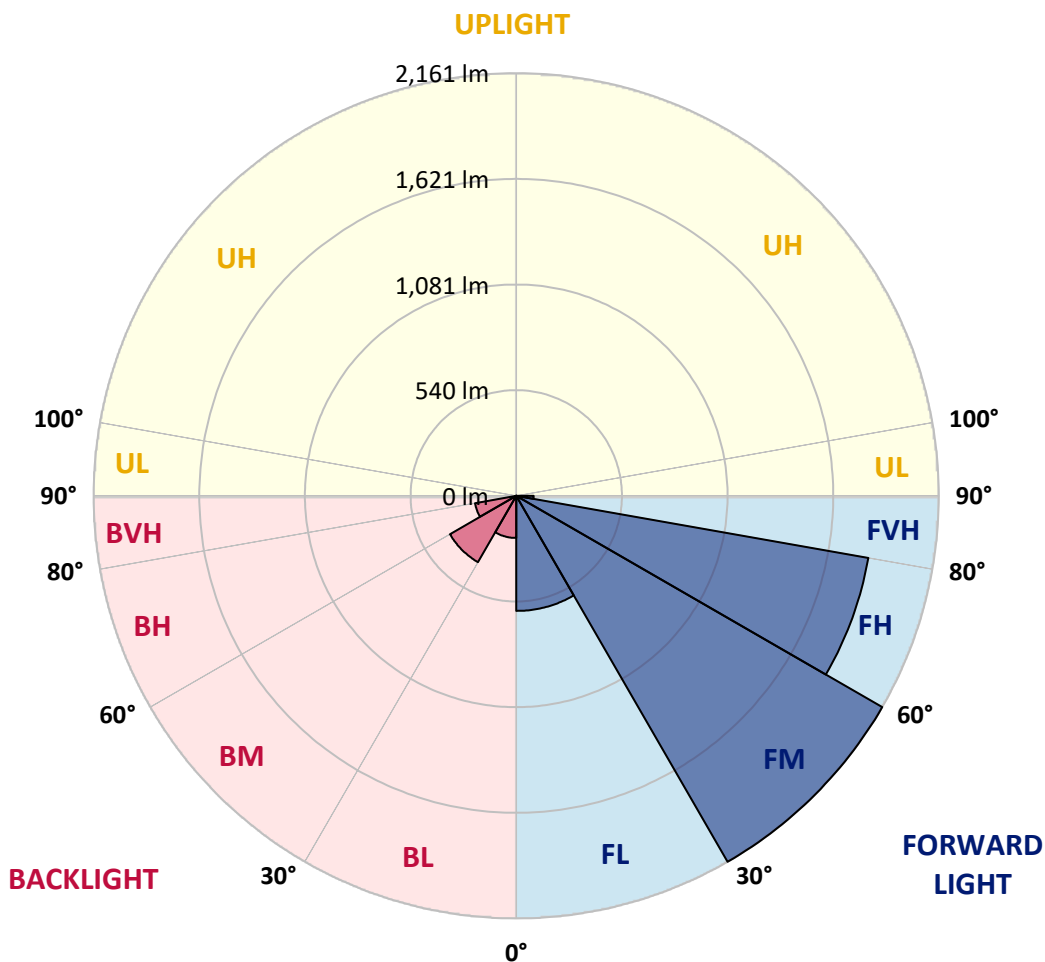


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	588.6	10.7			
FM (30°-60°)	2161.2	39.4			
FH (60°-80°)	1828.3	33.3			G2/5000
FVH (80°-90°)	88.9	1.6			G1/100
BL (0°-30°)	215.5	3.9	B1/500		
BM (30°-60°)	391.7	7.1	B1/1000		
BH (60°-80°)	214.0	3.9	B1/500		G1/500
BVH (80°-90°)	2.8	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1
2.5°	1996.9	2000.0	2016.2	2053.6	2094.4	2097.6	2125.1	2096.8	2087.2	2041.4	1994.0
5°	2012.0	2024.0	2079.4	2189.4	2284.9	2315.5	2337.4	2281.7	2223.2	2111.4	1992.0
7.5°	1890.5	1910.5	1997.7	2204.2	2374.9	2450.3	2464.6	2377.5	2234.1	2050.0	1870.5
10°	1735.0	1757.9	1862.9	2116.8	2351.2	2480.5	2500.2	2386.0	2180.0	1950.6	1739.1
12.5°	1609.1	1635.9	1743.3	2018.5	2269.8	2412.8	2451.8	2357.2	2133.2	1880.1	1649.4
15°	1551.1	1581.8	1694.7	1955.0	2179.5	2292.1	2324.4	2283.6	2107.2	1868.9	1628.6
17.5°	1584.4	1617.7	1734.2	1960.5	2094.7	2142.8	2168.8	2185.5	2107.2	1936.3	1689.4
20°	1720.9	1756.8	1880.1	2015.9	2024.5	2006.5	2034.4	2092.9	2131.6	2064.3	1835.6
22.5°	1909.8	1951.9	2091.1	2110.8	1990.1	1922.3	1925.9	2017.7	2176.1	2226.6	2038.5
25°	2140.0	2191.5	2333.0	2252.3	2004.4	1872.0	1870.7	1955.8	2219.6	2389.2	2264.6
27.5°	2368.6	2425.3	2549.7	2425.1	2063.5	1862.9	1860.3	1937.1	2262.0	2533.8	2511.4
30°	2560.3	2615.5	2722.6	2550.2	2127.2	1884.3	1871.8	1957.1	2287.2	2627.7	2691.4
32.5°	2716.4	2760.6	2847.2	2636.3	2195.4	1925.6	1898.6	2010.7	2330.1	2707.0	2856.8
35°	2888.1	2934.6	2969.2	2718.2	2271.8	1985.2	1946.4	2095.7	2396.2	2787.7	3038.1
37.5°	3083.9	3130.2	3126.1	2793.1	2368.9	2083.8	2059.1	2230.5	2498.9	2867.5	3240.5
40°	3275.6	3323.0	3289.2	2875.1	2482.8	2246.4	2228.1	2432.9	2636.5	2969.7	3477.7
42.5°	3455.1	3506.4	3434.0	2952.6	2618.6	2451.3	2482.5	2693.5	2808.7	3095.6	3682.2
45°	3599.7	3652.0	3555.5	3028.0	2761.6	2700.0	2793.9	2982.2	3015.8	3202.0	3820.3
47.5°	3704.8	3754.2	3639.8	3103.4	2944.8	3004.1	3167.7	3285.0	3202.8	3294.4	3918.4
50°	3771.9	3810.4	3664.5	3197.9	3185.1	3358.9	3557.1	3614.3	3378.9	3377.6	4037.5
52.5°	3814.6	3832.0	3682.7	3296.4	3435.9	3745.1	3938.4	3956.4	3560.2	3469.2	4198.0
55°	3961.6	3975.6	3811.7	3415.8	3643.2	4083.6	4283.3	4266.7	3765.4	3648.4	4387.4
57.5°	4212.3	4227.1	4078.3	3587.5	3810.9	4292.7	4533.3	4563.2	4006.0	3900.2	4590.3
60°	4338.2	4365.8	4312.7	3805.0	3973.5	4426.4	4703.7	4799.1	4306.7	4232.1	4786.9
62.5°	4224.0	4264.1	4341.1	4046.1	4135.1	4500.0	4756.7	4883.7	4614.7	4618.9	4908.1
65°	3996.2	4028.1	4158.7	4178.2	4228.7	4490.9	4625.6	4765.6	4803.3	4974.2	4901.6
67.5°	3720.9	3732.9	3843.7	4188.6	4092.9	4217.2	4231.8	4335.3	4654.2	5100.1	4704.7
70°	3324.8	3331.3	3428.1	3840.3	3517.3	3544.6	3523.0	3544.1	4001.4	4793.4	4207.6
72.5°	2675.8	2692.2	2829.8	3189.3	2562.4	2483.6	2653.2	2643.8	3081.6	4049.7	3125.0
75°	1970.1	1998.5	2206.3	2568.9	1798.4	1626.8	1750.6	1783.6	2190.7	3132.6	1954.2
77.5°	1379.4	1400.5	1601.8	1888.4	1301.6	1163.2	1118.5	1157.8	1446.0	2266.1	984.5
80°	794.7	802.5	931.0	1090.4	877.1	1003.5	909.1	936.2	866.4	1008.2	423.5
82.5°	520.0	521.3	571.5	649.0	546.2	634.7	469.8	600.6	533.0	405.0	137.9
85°	280.9	282.5	331.4	460.7	309.3	174.8	102.7	211.0	329.6	92.9	37.7
87.5°	31.0	28.4	99.9	167.5	85.8	15.9	5.5	23.7	52.8	6.0	0.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1
2.5°	1969.9	1948.3	1894.4	1837.5	1791.7	1748.8	1705.6	1652.8	1611.9	1603.6	1590.1
5°	1927.7	1859.3	1746.4	1633.0	1541.7	1426.5	1353.4	1296.4	1240.8	1237.4	1226.2
7.5°	1780.5	1690.5	1531.6	1374.7	1246.2	1136.4	1025.6	951.5	893.2	872.7	860.5
10°	1639.0	1537.8	1339.3	1160.4	1045.7	948.6	870.6	793.1	722.9	674.5	652.6
12.5°	1540.1	1428.3	1209.5	1055.3	973.1	881.0	785.8	689.0	608.1	549.9	514.2
15°	1501.9	1382.5	1166.1	1013.7	912.2	795.7	674.0	563.4	473.7	420.9	388.9
17.5°	1547.4	1408.5	1162.7	962.9	821.2	676.3	541.8	411.2	326.7	286.6	266.1
20°	1662.9	1491.2	1161.4	900.8	713.0	534.8	367.0	270.5	219.3	196.9	187.3
22.5°	1826.3	1596.8	1171.8	839.4	600.3	382.1	253.4	198.7	172.5	160.5	155.0
25°	2036.4	1745.1	1201.2	783.7	494.5	285.1	197.4	166.5	148.0	138.6	134.7
27.5°	2260.4	1915.7	1247.0	735.3	408.4	227.3	169.1	142.5	129.3	122.8	119.1
30°	2445.1	2113.4	1293.3	681.5	346.0	198.2	154.8	130.1	114.7	110.5	107.2
32.5°	2606.6	2263.0	1326.1	632.9	305.1	176.1	139.9	116.3	105.9	97.8	94.2
35°	2773.9	2387.6	1325.0	598.8	277.0	159.5	127.5	104.0	91.6	82.2	79.3
37.5°	2954.9	2528.3	1302.4	569.7	264.8	146.2	120.4	97.5	85.1	75.7	72.1
40°	3166.9	2676.1	1279.2	542.3	261.4	135.5	115.5	92.3	79.1	70.0	66.3
42.5°	3373.4	2809.2	1259.0	522.1	246.8	135.3	111.1	88.4	74.4	65.5	61.4
45°	3538.6	2933.3	1255.1	509.8	231.5	139.9	108.7	85.8	70.8	61.9	58.0
47.5°	3675.9	3068.1	1280.0	501.2	216.9	127.7	114.5	84.0	67.4	58.8	54.4
50°	3839.3	3233.5	1338.8	487.2	201.6	115.0	131.1	84.5	64.5	55.7	51.0
52.5°	4067.2	3462.4	1425.2	463.5	180.5	103.3	129.0	85.1	61.4	52.3	47.6
55°	4322.6	3748.3	1518.0	424.2	151.1	87.9	110.5	81.4	55.4	48.6	44.2
57.5°	4591.0	4007.6	1573.2	377.4	120.2	76.0	88.4	74.1	48.9	43.7	40.8
60°	4633.2	4106.2	1547.9	319.9	95.5	66.1	65.5	75.4	43.7	38.5	36.4
62.5°	4528.3	3982.4	1426.0	268.7	79.9	58.0	53.8	65.8	39.5	34.3	32.3
65°	4326.8	3647.6	1228.3	242.2	74.1	49.7	44.7	46.3	34.6	29.9	28.1
67.5°	4046.4	3200.7	1008.5	227.1	73.4	42.7	38.2	35.1	29.9	26.0	24.5
70°	3473.1	2666.4	804.5	218.8	71.3	35.9	32.3	28.6	25.0	22.1	20.8
72.5°	2556.2	1889.5	625.8	209.7	71.8	28.6	28.1	23.7	20.0	17.2	16.6
75°	1476.9	1079.5	410.5	169.9	68.4	22.1	23.4	16.6	14.0	12.0	12.0
77.5°	787.1	658.4	156.3	70.8	25.0	14.0	13.3	9.9	8.8	7.3	7.0
80°	343.1	289.8	47.1	19.8	13.8	7.5	4.9	4.4	3.9	3.1	2.9
82.5°	121.5	104.8	15.3	9.6	6.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	27.6	19.8	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1
2.5°	1562.5	1556.8	1523.0	1524.3	1530.3	1538.8	1518.6	1527.9	1553.1	1577.3	1586.4
5°	1208.2	1209.5	1189.0	1201.7	1213.2	1221.0	1188.2	1188.7	1208.8	1236.1	1250.4
7.5°	851.4	849.3	850.3	880.8	902.3	886.7	899.0	856.6	859.2	878.7	864.1
10°	632.9	604.2	588.1	611.0	634.7	626.1	605.0	591.2	600.9	622.5	620.9
12.5°	497.3	456.2	432.1	415.7	435.2	419.0	418.5	406.6	393.6	395.9	430.5
15°	374.0	344.1	315.5	289.2	288.7	283.3	255.4	224.2	221.6	223.2	241.1
17.5°	257.3	247.1	235.4	212.8	206.8	183.9	156.8	144.4	138.1	141.0	147.0
20°	180.8	176.9	178.2	166.0	157.4	135.5	119.7	114.7	113.7	116.5	119.4
22.5°	149.8	142.8	142.0	136.6	128.0	112.1	103.5	100.7	99.4	102.0	104.0
25°	131.1	124.1	121.2	117.8	108.7	97.8	92.6	90.0	88.7	90.3	91.6
27.5°	115.5	109.0	106.4	104.0	95.2	87.4	83.2	80.9	79.9	80.4	81.7
30°	103.8	98.1	94.7	91.8	84.3	78.8	75.2	72.8	71.8	71.8	73.1
32.5°	91.6	88.4	85.3	81.7	74.7	71.0	67.4	64.8	63.7	64.0	65.0
35°	76.2	75.2	76.0	72.6	66.6	63.5	59.8	57.0	56.2	56.4	57.5
37.5°	67.6	62.9	65.8	64.0	60.6	56.4	51.8	49.2	47.9	48.6	49.2
40°	62.2	56.4	54.4	56.2	55.7	48.9	44.7	42.1	41.1	41.4	41.9
42.5°	57.5	50.7	46.0	45.8	48.9	42.7	38.2	35.9	34.6	34.6	35.1
45°	53.1	45.8	40.1	35.6	41.1	36.2	32.0	29.9	28.4	28.4	28.6
47.5°	49.7	41.6	34.9	29.1	31.0	29.7	26.3	24.2	22.6	22.6	22.9
50°	46.6	37.5	30.2	24.5	23.2	24.5	21.3	19.0	17.9	17.7	18.2
52.5°	43.2	33.3	25.8	20.8	18.2	18.5	16.6	15.1	13.8	13.8	14.3
55°	39.8	29.9	22.4	17.7	15.1	13.8	13.3	12.2	11.2	11.2	11.7
57.5°	36.4	26.3	19.0	14.6	12.0	10.9	10.9	10.1	9.4	9.4	9.9
60°	33.3	22.6	15.6	12.0	9.4	9.1	9.4	8.6	8.1	8.1	8.6
62.5°	29.7	19.2	12.7	9.9	7.5	7.3	8.1	7.5	7.0	7.0	7.5
65°	25.2	16.4	10.1	7.5	5.7	5.7	6.8	6.2	5.7	5.7	6.2
67.5°	21.3	13.8	7.8	5.5	4.2	4.4	5.7	5.2	4.9	4.9	5.5
70°	17.7	10.7	5.5	3.4	2.3	3.4	4.4	4.4	4.4	4.4	4.9
72.5°	13.3	7.3	3.1	1.3	1.0	2.3	3.6	4.2	3.9	3.9	4.7
75°	8.6	4.2	1.0	0.0	0.0	1.3	2.9	3.4	3.4	3.1	3.9
77.5°	4.9	1.3	0.0	0.0	0.0	0.0	1.8	1.6	1.3	1.0	1.8
80°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1
2.5°	1623.1	1653.8	1697.0	1742.8	1813.3	1869.2	1924.1	1971.2	1989.4	1996.9
5°	1284.7	1329.7	1392.9	1474.1	1601.3	1715.7	1831.7	1948.5	1999.2	2012.0
7.5°	921.8	979.3	1059.7	1161.4	1310.5	1458.7	1620.8	1792.2	1870.7	1890.5
10°	682.3	752.5	844.6	951.8	1094.0	1246.5	1423.1	1619.0	1708.7	1735.0
12.5°	484.1	579.0	702.3	832.6	955.9	1092.0	1270.7	1486.6	1580.7	1609.1
15°	284.3	376.1	522.1	696.6	854.5	992.3	1173.9	1418.7	1522.5	1551.1
17.5°	163.1	208.9	319.2	513.7	728.1	919.0	1143.5	1435.6	1557.8	1584.4
20°	124.6	139.2	183.9	330.9	580.3	846.9	1143.5	1531.3	1681.9	1720.9
22.5°	109.0	119.7	137.9	197.4	427.1	769.7	1156.7	1669.7	1866.6	1909.8
25°	96.8	106.4	122.0	148.5	291.3	677.9	1188.2	1839.5	2084.0	2140.0
27.5°	86.6	95.7	109.8	130.1	199.2	567.1	1230.6	2038.8	2323.9	2368.6
30°	77.5	86.1	98.8	113.2	153.7	441.4	1266.8	2226.6	2512.2	2560.3
32.5°	68.9	76.7	88.2	98.8	125.9	326.4	1270.7	2375.4	2668.5	2716.4
35°	60.9	67.9	78.3	86.6	104.3	257.8	1210.1	2504.4	2824.9	2888.1
37.5°	53.1	59.8	68.9	75.2	91.8	210.2	1117.5	2648.2	3025.4	3083.9
40°	45.8	51.8	61.1	65.3	86.9	161.5	1016.8	2799.1	3222.0	3275.6
42.5°	39.0	44.7	53.8	61.9	76.2	120.7	908.1	2940.6	3398.9	3455.1
45°	32.5	38.5	47.6	65.5	63.2	90.3	791.8	3034.5	3538.6	3599.7
47.5°	26.3	33.0	45.5	62.4	50.5	66.3	699.7	3123.5	3644.5	3704.8
50°	21.1	27.8	51.2	55.7	41.4	50.7	661.2	3203.1	3713.9	3771.9
52.5°	17.2	23.4	48.4	42.7	34.6	41.9	682.0	3332.1	3778.2	3814.6
55°	14.3	18.5	29.1	29.7	29.4	35.6	707.8	3517.3	3944.4	3961.6
57.5°	12.5	14.8	20.3	22.9	24.7	31.7	708.3	3783.1	4201.6	4212.3
60°	10.7	13.0	16.9	18.5	21.3	28.4	682.5	3876.0	4302.8	4338.2
62.5°	9.4	11.4	14.0	15.3	17.9	25.5	622.2	3741.5	4163.9	4224.0
65°	8.3	10.4	11.7	13.0	15.9	22.9	522.8	3472.5	3933.5	3996.2
67.5°	7.3	9.1	10.4	11.7	14.3	20.3	385.0	3160.1	3668.9	3720.9
70°	6.5	8.1	9.4	10.4	12.5	17.2	233.6	2681.5	3303.2	3324.8
72.5°	6.2	7.3	8.6	9.4	10.9	15.1	118.4	1970.6	2640.7	2675.8
75°	5.5	6.5	7.8	8.3	9.6	13.0	48.1	1294.3	1913.7	1970.1
77.5°	4.4	6.0	7.0	7.5	8.3	10.7	24.5	827.2	1343.0	1379.4
80°	1.6	4.4	6.0	6.2	7.0	7.8	16.1	452.9	779.0	794.7
82.5°	0.0	2.9	4.7	4.4	4.9	6.0	10.4	215.4	514.2	520.0
85°	0.0	1.3	3.6	2.9	2.1	4.2	3.6	47.1	269.7	280.9
87.5°	0.0	0.0	0.3	1.3	1.0	1.6	0.5	0.3	24.5	31.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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