

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: P324485

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-740-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT 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 IV - Medium
BUG Rating: B1 - U0 - G2

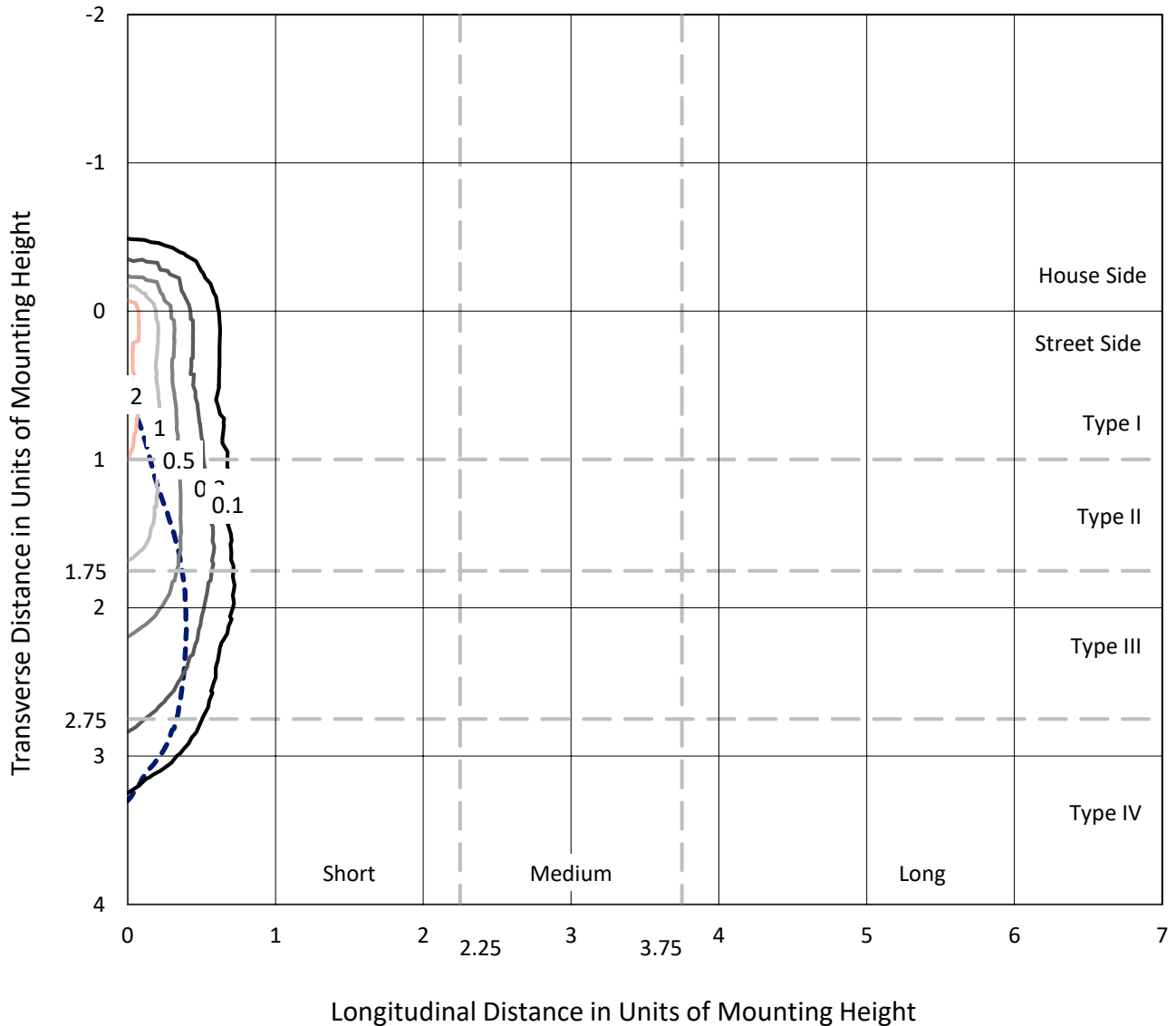
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

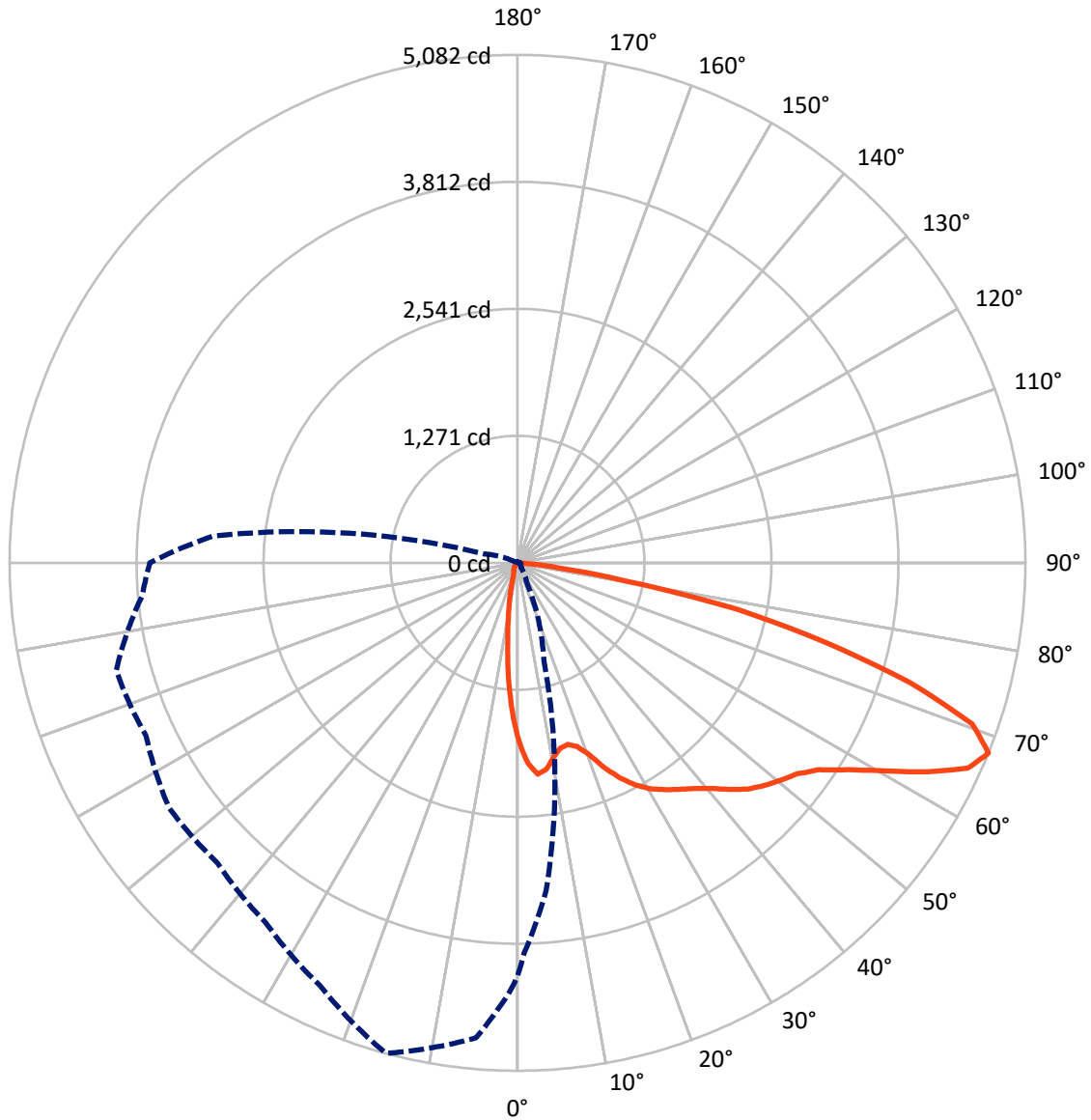
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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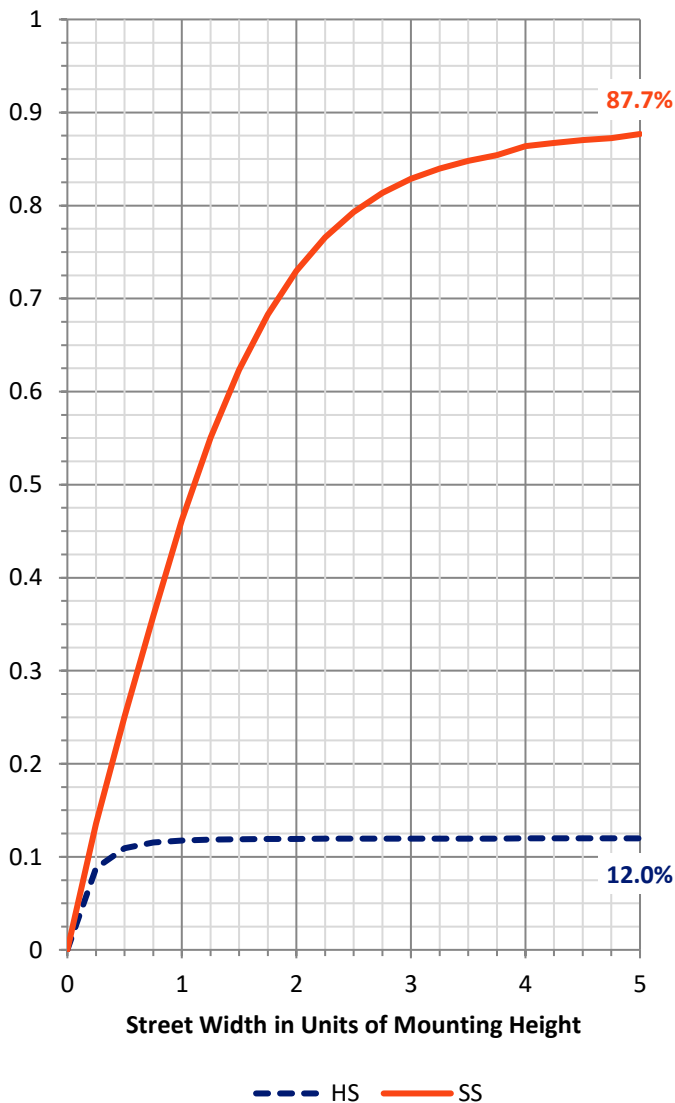
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	664.6	0.0	664.6
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	4826.4	0.0	4826.4
	% Fixture	87.9	0.0	87.9
Total	Lumens	5491.0	0.0	5491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	2.5
10°-20°	273.3	5.0
20°-30°	388.0	7.1
30°-40°	573.1	10.4
40°-50°	826.6	15.1
50°-60°	1160.3	21.1
60°-70°	1352.6	24.6
70°-80°	691.5	12.6
80°-90°	88.3	1.6
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°	5491.0	100.0
0°-180°	5491.0	100.0

Coefficient of Utilization

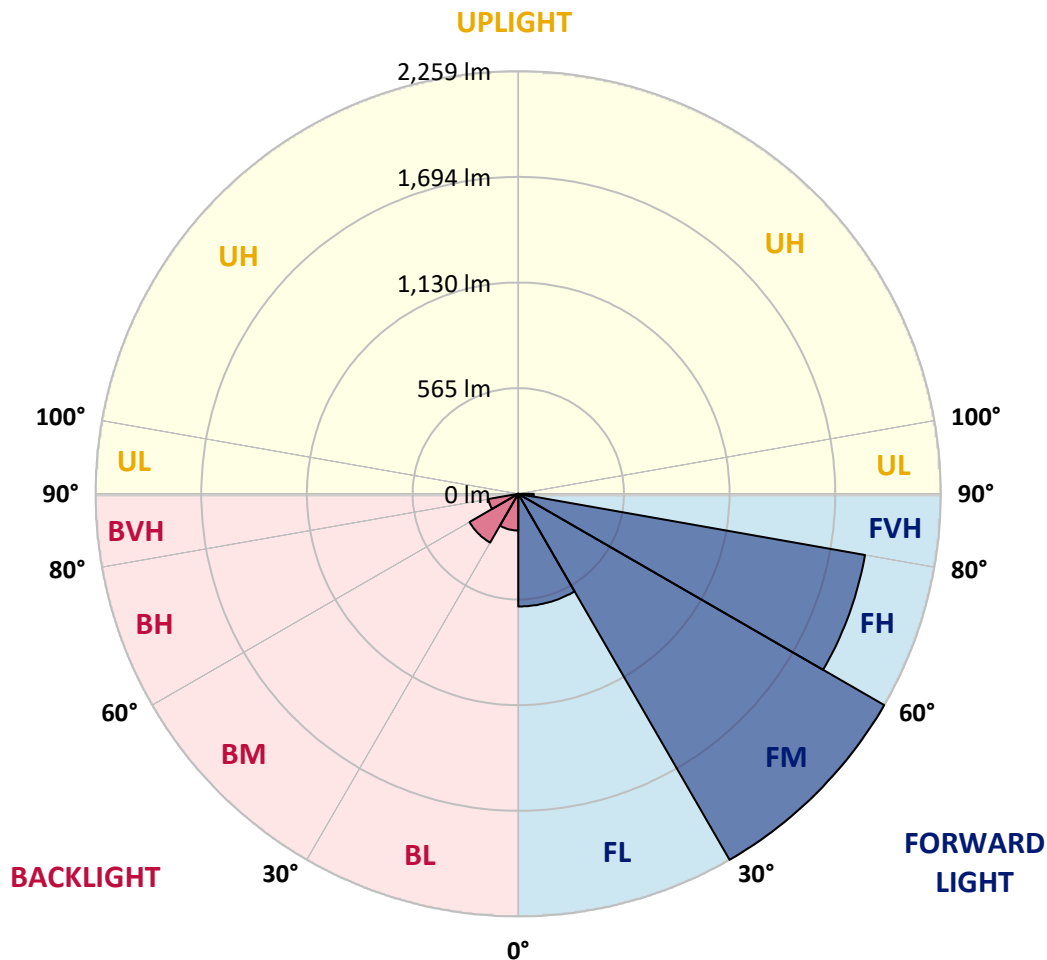


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	602.3	11.0			
FM (30°-60°)	2259.1	41.1			
FH (60°-80°)	1882.1	34.3			G2/5000
FVH (80°-90°)	82.9	1.5			G1/100
BL (0°-30°)	196.3	3.6	B1/500		
BM (30°-60°)	301.0	5.5	B1/1000		
BH (60°-80°)	162.0	2.9	B1/500		G1/500
BVH (80°-90°)	5.4	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7
2.5°	1958.6	1943.5	1926.8	1872.4	1822.0	1764.2	1717.1	1684.4	1643.3	1589.9	1576.4
5°	1944.5	1928.4	1876.1	1755.1	1649.3	1546.2	1446.9	1388.6	1316.3	1242.9	1224.7
7.5°	1803.3	1786.3	1710.9	1545.2	1402.6	1253.8	1124.8	1045.0	963.3	896.2	860.5
10°	1656.3	1637.8	1553.0	1351.9	1176.3	1041.8	947.1	870.9	793.7	721.9	664.6
12.5°	1555.1	1530.9	1438.8	1210.9	1058.0	966.7	878.2	786.9	682.3	605.3	542.4
15°	1512.7	1485.1	1387.8	1156.6	1016.1	908.9	793.7	681.6	559.0	470.8	413.1
17.5°	1545.5	1509.6	1405.2	1152.9	963.5	817.6	671.9	540.3	407.4	318.1	277.0
20°	1656.8	1609.7	1477.3	1151.9	899.8	709.1	524.4	375.6	268.5	215.9	194.3
22.5°	1832.1	1770.0	1580.8	1160.2	834.0	595.2	378.8	255.2	201.6	174.3	161.5
25°	2043.9	1971.8	1729.9	1189.6	776.2	484.4	275.2	201.6	170.1	150.1	139.4
27.5°	2245.2	2186.7	1918.2	1232.0	731.5	394.9	223.5	170.9	145.4	132.1	123.6
30°	2446.3	2372.7	2111.5	1282.5	677.6	334.3	196.4	155.8	130.3	116.3	110.8
32.5°	2592.5	2531.4	2262.9	1318.9	620.2	294.7	175.6	142.6	121.7	107.4	99.4
35°	2764.4	2695.3	2392.7	1326.9	583.2	269.8	157.9	128.2	105.6	92.9	84.3
37.5°	2950.2	2864.1	2542.6	1309.3	554.3	257.5	144.6	121.7	98.6	85.6	76.5
40°	3155.7	3058.4	2686.4	1283.8	526.0	253.4	134.5	116.8	93.1	79.9	70.5
42.5°	3372.1	3257.4	2811.0	1257.0	508.0	239.1	133.4	111.9	89.0	74.7	65.3
45°	3554.0	3437.7	2939.0	1248.1	495.3	223.5	137.9	108.5	86.1	70.5	61.4
47.5°	3698.8	3588.8	3070.1	1267.9	488.0	209.1	125.6	112.9	84.5	66.9	58.0
50°	3871.8	3747.2	3254.8	1326.9	477.3	194.8	113.7	129.3	84.5	64.5	55.1
52.5°	4088.8	3965.5	3460.8	1418.5	456.0	175.1	102.2	129.5	85.3	61.4	51.5
55°	4361.7	4272.2	3755.0	1518.9	421.9	145.9	88.4	111.3	82.2	55.7	48.1
57.5°	4623.4	4550.3	4023.2	1587.6	376.4	113.9	77.0	89.7	75.2	48.9	42.9
59°	4694.9	4615.0	4121.6	1590.7	342.3	99.4	71.3	74.1	73.6	45.8	39.8
60°	4694.9	4610.1	4149.9	1574.1	317.6	91.3	67.6	66.1	76.7	43.7	38.0
62.5°	4609.8	4490.7	4057.8	1461.4	259.1	77.8	59.1	54.6	68.9	39.3	33.6
65°	4432.9	4259.4	3744.1	1257.7	231.0	71.3	51.0	44.7	47.9	34.6	29.4
67.5°	4138.0	3902.8	3291.7	1016.1	219.8	69.5	44.0	38.0	36.2	29.7	25.8
70°	3618.5	3357.6	2742.6	798.9	210.2	68.7	36.9	32.0	29.1	25.0	21.9
72.5°	2633.6	2361.5	1947.1	624.6	204.5	70.2	29.7	26.8	23.9	19.5	16.9
75°	1506.4	1328.2	1094.4	412.6	174.3	67.1	22.9	22.4	17.2	14.0	11.7
77.5°	778.3	754.6	655.8	158.4	83.5	29.4	15.1	13.0	10.1	8.6	7.0
80°	335.8	332.2	287.4	45.8	22.1	16.4	8.6	5.5	4.7	3.6	2.9
82.5°	116.0	116.0	102.2	15.3	9.9	8.1	1.0	0.0	0.0	0.0	0.0
85°	23.4	26.3	18.5	0.0	3.4	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7
2.5°	1560.0	1528.5	1526.5	1506.7	1482.0	1470.8	1464.3	1475.7	1489.8	1491.3	1512.4
5°	1210.9	1177.9	1191.7	1156.6	1163.6	1156.6	1145.1	1147.2	1153.4	1133.9	1158.1
7.5°	850.4	825.4	841.3	831.9	844.4	849.3	842.3	831.9	801.2	797.6	818.6
10°	641.0	612.6	595.7	578.0	581.9	590.0	587.4	579.8	560.3	561.4	581.7
12.5°	515.1	483.3	449.8	406.3	395.7	401.6	395.7	391.2	372.5	374.1	392.0
15°	390.7	364.7	329.6	294.7	275.7	277.6	260.9	249.2	237.5	223.5	234.4
17.5°	263.8	247.9	237.5	227.1	204.5	199.3	178.2	155.6	146.7	140.2	144.9
20°	186.8	178.2	174.0	173.5	160.5	154.0	133.4	119.4	115.0	113.7	116.5
22.5°	156.1	149.8	143.9	140.5	134.0	126.4	110.8	103.8	100.7	99.1	101.2
25°	135.8	131.1	124.9	119.1	116.5	108.5	97.3	92.1	90.0	88.4	89.5
27.5°	120.7	116.5	109.3	105.6	103.5	96.5	86.9	82.7	80.9	80.4	80.1
30°	108.7	104.8	98.1	93.9	90.3	84.0	78.3	74.1	72.3	71.8	71.3
32.5°	96.8	93.6	89.2	85.1	81.2	75.4	70.5	67.1	64.3	63.7	63.5
35°	81.7	78.6	76.2	76.0	72.3	66.9	63.2	58.8	56.4	55.7	55.9
37.5°	72.6	68.4	63.2	65.0	64.0	60.1	55.1	50.7	48.4	47.9	47.9
40°	66.9	62.4	56.4	53.3	56.4	55.7	47.9	43.4	41.1	40.8	40.3
42.5°	61.4	57.0	50.2	45.0	46.6	48.9	41.4	37.2	34.9	34.3	33.6
45°	57.5	52.8	45.3	39.3	36.2	41.1	35.4	30.2	28.9	27.8	27.3
47.5°	53.8	49.4	40.8	34.1	28.9	29.7	28.4	24.7	23.2	22.1	21.9
50°	50.7	46.0	36.9	29.1	23.9	21.9	22.9	19.5	18.2	17.2	16.6
52.5°	47.1	42.7	32.8	25.2	20.0	17.2	17.4	15.3	14.0	13.3	13.0
55°	44.2	39.8	29.4	22.1	17.7	14.0	12.5	12.0	11.2	10.7	10.4
57.5°	40.3	36.2	26.0	18.7	15.1	11.4	9.6	9.6	9.4	8.8	8.6
59°	38.0	34.3	23.9	16.9	13.8	9.9	8.6	8.8	8.6	8.1	7.8
60°	36.2	32.8	22.4	15.6	13.0	9.1	7.8	8.3	8.1	7.5	7.3
62.5°	32.0	29.7	19.2	13.0	11.4	7.3	6.5	7.0	7.0	6.8	6.5
65°	28.1	25.5	16.4	10.9	10.7	6.2	5.2	6.2	6.5	6.0	5.5
67.5°	24.5	21.9	14.3	8.8	9.9	4.9	3.9	5.2	7.0	5.5	4.9
70°	20.8	18.2	11.2	7.0	10.4	3.4	3.1	4.7	8.3	6.0	4.7
72.5°	16.1	14.0	7.8	5.2	11.2	2.3	2.3	3.9	9.4	6.5	4.4
75°	11.2	9.1	4.7	3.1	9.1	1.6	1.6	3.6	8.8	6.0	4.2
77.5°	6.5	4.9	1.6	0.3	4.7	0.0	0.3	2.6	6.2	3.6	1.8
80°	2.3	1.0	0.0	0.0	2.9	0.0	0.0	0.0	0.5	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7
2.5°	1517.9	1553.0	1584.5	1632.1	1688.5	1753.6	1809.5	1869.6	1926.0	1949.4	1965.6
5°	1163.1	1206.5	1257.2	1327.2	1420.3	1535.1	1642.5	1764.0	1894.6	1959.9	2021.2
7.5°	822.3	866.5	929.5	1003.9	1116.5	1253.1	1393.5	1561.3	1738.2	1841.5	1943.2
10°	591.3	645.7	704.4	806.2	920.6	1050.2	1194.8	1382.1	1579.3	1693.7	1816.3
12.5°	402.4	464.3	553.3	667.2	801.7	928.7	1054.3	1233.0	1462.0	1575.4	1706.7
15°	241.4	275.7	369.9	501.8	666.7	824.9	962.5	1141.7	1385.7	1524.6	1661.2
17.5°	148.8	164.7	215.9	324.1	497.4	697.4	886.0	1110.8	1396.7	1565.7	1711.9
20°	118.6	124.9	141.3	191.5	329.6	556.9	799.9	1104.5	1485.9	1694.0	1850.9
22.5°	103.0	109.0	119.9	139.2	207.3	417.0	718.2	1110.3	1613.9	1886.2	2069.4
25°	90.8	96.0	106.4	122.3	151.9	293.7	630.8	1135.7	1780.6	2124.8	2319.4
27.5°	81.2	85.6	95.2	109.8	130.3	205.0	531.7	1166.7	1978.3	2368.8	2560.8
30°	72.3	76.2	84.8	98.3	113.2	157.6	423.0	1187.8	2176.3	2560.8	2733.2
32.5°	64.8	67.6	75.4	86.9	98.3	125.6	321.5	1184.4	2323.3	2720.5	2857.3
35°	57.0	59.8	66.6	76.5	85.6	103.8	252.9	1121.2	2451.2	2886.2	2999.3
37.5°	48.4	52.0	58.5	67.4	73.6	91.3	204.5	1045.0	2581.1	3075.6	3157.8
40°	41.1	44.7	50.5	60.1	64.0	86.6	157.1	952.1	2727.0	3287.3	3331.5
42.5°	34.1	37.5	43.4	51.8	60.4	74.7	116.3	846.0	2867.2	3468.4	3490.0
45°	27.6	31.0	37.2	45.5	64.5	61.9	90.0	732.3	2980.4	3619.0	3626.0
47.5°	21.9	25.0	31.5	42.9	60.1	49.4	64.3	643.1	3075.3	3736.6	3718.1
50°	16.9	19.5	26.3	49.2	52.5	40.8	48.6	613.4	3160.4	3809.4	3761.5
52.5°	13.3	15.6	21.6	46.0	40.8	33.8	40.8	641.2	3276.9	3869.8	3786.0
55°	10.7	13.0	16.9	26.3	27.8	28.6	34.9	667.2	3478.0	4011.3	3930.4
57.5°	8.8	11.2	13.8	18.5	21.1	24.2	31.0	670.1	3715.0	4246.4	4170.0
59°	8.1	10.1	12.5	16.4	18.5	22.1	29.1	654.5	3798.5	4332.0	4293.8
60°	7.5	9.6	11.7	15.1	17.2	20.8	28.1	639.7	3802.1	4328.9	4346.6
62.5°	6.5	8.6	10.4	12.7	14.6	17.7	25.2	584.8	3648.1	4187.1	4314.8
65°	5.7	7.5	9.4	10.9	12.5	15.9	22.9	484.6	3385.1	3958.5	4097.6
67.5°	5.2	6.5	8.6	9.6	11.2	14.0	20.3	345.5	3056.6	3678.8	3769.1
70°	4.7	6.2	7.8	8.8	10.1	12.2	17.4	198.5	2581.1	3269.4	3333.6
72.5°	4.4	6.0	7.0	8.3	9.1	10.9	15.9	93.4	1889.9	2619.0	2786.8
75°	3.9	5.5	6.5	7.8	8.6	9.9	13.5	44.7	1257.0	1895.3	2086.0
77.5°	2.3	4.4	6.0	7.0	7.5	8.6	11.2	25.8	802.3	1311.9	1545.2
80°	0.0	1.6	4.4	6.0	6.5	7.3	8.6	20.3	429.2	749.4	899.5
82.5°	0.0	0.0	3.1	4.7	4.4	4.9	6.5	12.7	193.5	489.8	552.0
85°	0.0	0.0	1.0	3.6	3.1	2.3	4.4	4.4	42.4	247.9	309.3
87.5°	0.0	0.0	0.0	0.3	1.6	1.0	1.8	0.5	0.3	18.5	74.9
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7	1788.7
2.5°	2022.0	2041.3	2073.8	2089.1	2081.6	2049.6	2011.4	1972.3	1949.4	1958.6
5°	2146.4	2245.5	2302.7	2321.7	2290.0	2218.2	2124.3	2000.4	1956.5	1944.5
7.5°	2146.4	2332.9	2451.0	2471.8	2401.0	2260.3	2084.2	1890.9	1826.7	1803.3
10°	2070.9	2324.8	2489.5	2522.5	2423.7	2213.2	1977.3	1756.7	1680.5	1656.3
12.5°	1985.9	2259.3	2432.8	2478.3	2397.1	2166.4	1903.1	1665.9	1576.2	1555.1
15°	1933.6	2178.6	2322.2	2355.3	2320.9	2139.1	1885.5	1638.6	1533.0	1512.7
17.5°	1952.3	2116.2	2168.0	2187.2	2210.4	2129.5	1933.6	1698.4	1564.7	1545.5
20°	2022.8	2050.4	2023.6	2047.8	2110.2	2138.8	2048.3	1843.1	1682.5	1656.8
22.5°	2142.5	2016.3	1941.1	1950.7	2026.7	2169.8	2223.6	2049.6	1864.4	1832.1
25°	2281.9	2043.9	1895.3	1886.8	1964.8	2210.6	2383.9	2274.4	2079.5	2043.9
27.5°	2457.2	2105.8	1886.0	1877.4	1943.2	2248.9	2517.1	2496.5	2306.1	2245.2
30°	2592.5	2166.7	1913.8	1894.0	1964.8	2275.4	2624.0	2685.1	2486.6	2446.3
32.5°	2689.5	2238.5	1959.1	1930.5	2025.7	2321.2	2706.4	2857.8	2653.6	2592.5
35°	2763.4	2316.5	2032.2	1985.1	2109.4	2390.6	2783.7	3041.7	2831.3	2764.4
37.5°	2832.6	2426.0	2146.4	2090.2	2240.8	2502.5	2865.4	3250.4	3030.0	2950.2
40°	2929.1	2550.1	2322.5	2272.5	2461.7	2654.9	2967.4	3467.8	3256.1	3155.7
42.5°	3025.6	2683.3	2502.8	2516.3	2737.1	2840.1	3099.0	3697.8	3479.3	3372.1
45°	3113.8	2820.6	2759.5	2821.9	2992.8	3043.3	3229.8	3830.7	3657.5	3554.0
47.5°	3192.4	2992.3	3014.7	3180.9	3283.7	3227.2	3327.6	3945.5	3790.2	3698.8
50°	3283.7	3214.5	3351.0	3586.2	3618.5	3393.7	3416.6	4081.2	3945.2	3871.8
52.5°	3383.6	3448.6	3723.6	3930.9	3920.5	3574.5	3506.1	4233.4	4157.7	4088.8
55°	3497.0	3637.7	4051.6	4253.5	4244.6	3776.4	3654.4	4421.5	4424.1	4361.7
57.5°	3665.3	3800.6	4274.3	4514.4	4529.2	4009.4	3905.7	4632.2	4665.0	4623.4
59°	3786.0	3906.2	4362.5	4623.4	4683.7	4189.7	4089.3	4754.5	4732.9	4694.9
60°	3875.5	3973.3	4406.2	4680.3	4773.5	4312.0	4224.8	4826.3	4740.9	4694.9
62.5°	4096.9	4119.5	4485.0	4744.8	4876.7	4583.6	4606.2	4948.5	4685.0	4609.8
65°	4200.1	4211.8	4483.9	4629.3	4776.8	4795.1	4952.2	4952.2	4548.4	4432.9
67.5°	4156.9	4100.5	4261.5	4246.4	4393.7	4669.4	5082.2	4770.6	4287.3	4138.0
70°	3805.8	3588.6	3517.0	3523.5	3636.2	4061.5	4824.7	4236.3	3793.0	3618.5
72.5°	3166.6	2645.6	2468.9	2670.5	2699.9	3121.4	4111.7	3190.3	2797.2	2633.6
75°	2547.0	1864.9	1577.7	1790.5	1840.4	2284.2	3180.7	1986.9	1633.9	1506.4
77.5°	1829.8	1338.7	1132.1	1117.3	1181.8	1448.7	2256.9	1000.0	834.0	778.3
80°	1039.5	881.1	948.7	895.1	927.6	905.8	1072.3	438.6	359.2	335.8
82.5°	627.4	520.8	564.0	469.5	594.1	517.4	413.1	140.5	122.0	116.0
85°	408.2	284.6	148.3	99.4	204.7	330.6	92.3	38.2	29.4	23.4
87.5°	140.7	72.6	7.3	3.1	21.9	61.7	3.4	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

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