

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: P200167

Luminaire Tested: **GAP-AF-01-LED-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200167
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: GAP-AF-01-LED-U-SLR
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5716.3 lumens
Efficiency: N/A
Efficacy: 96.9 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): 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: 28.75 FT

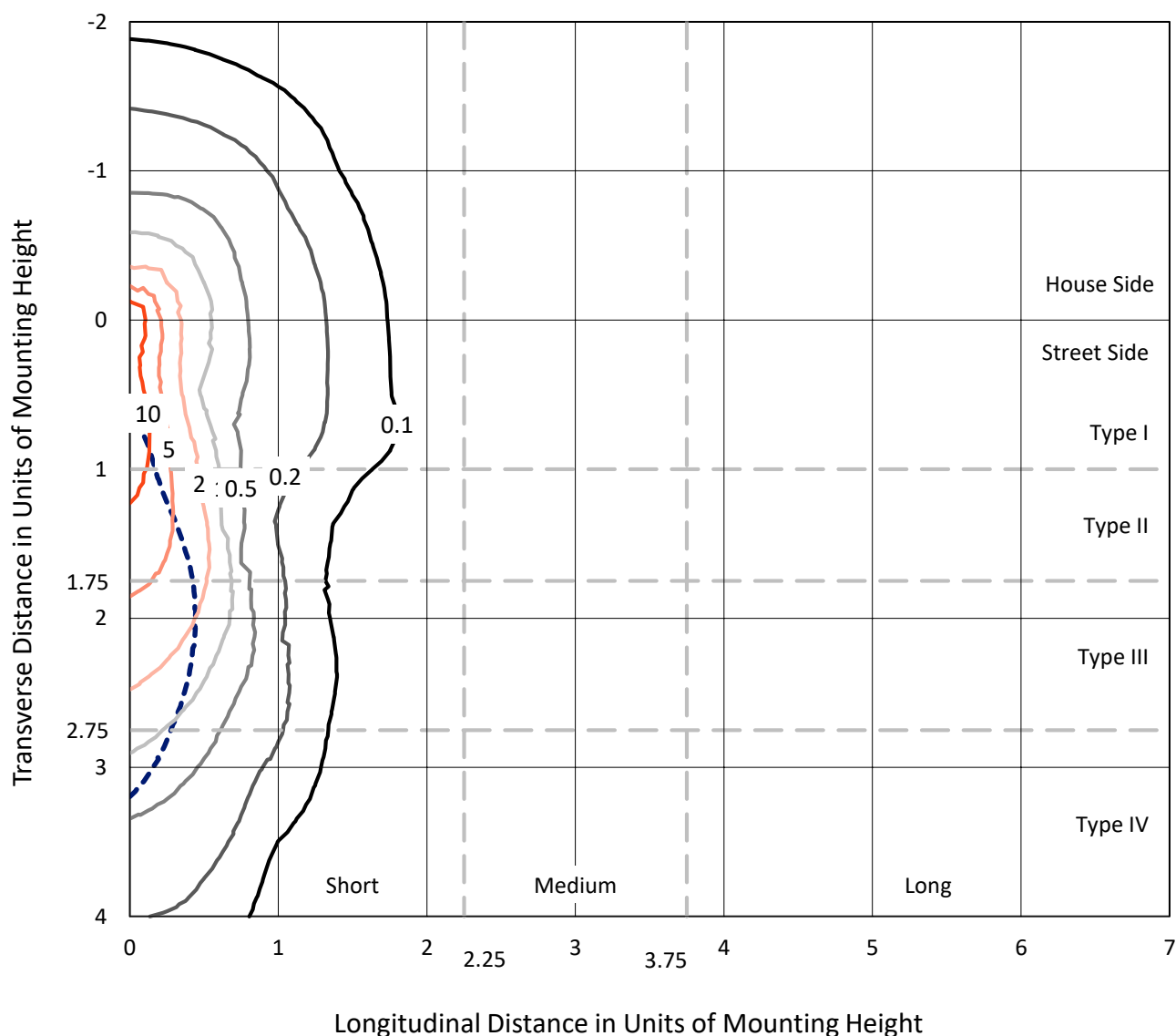


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

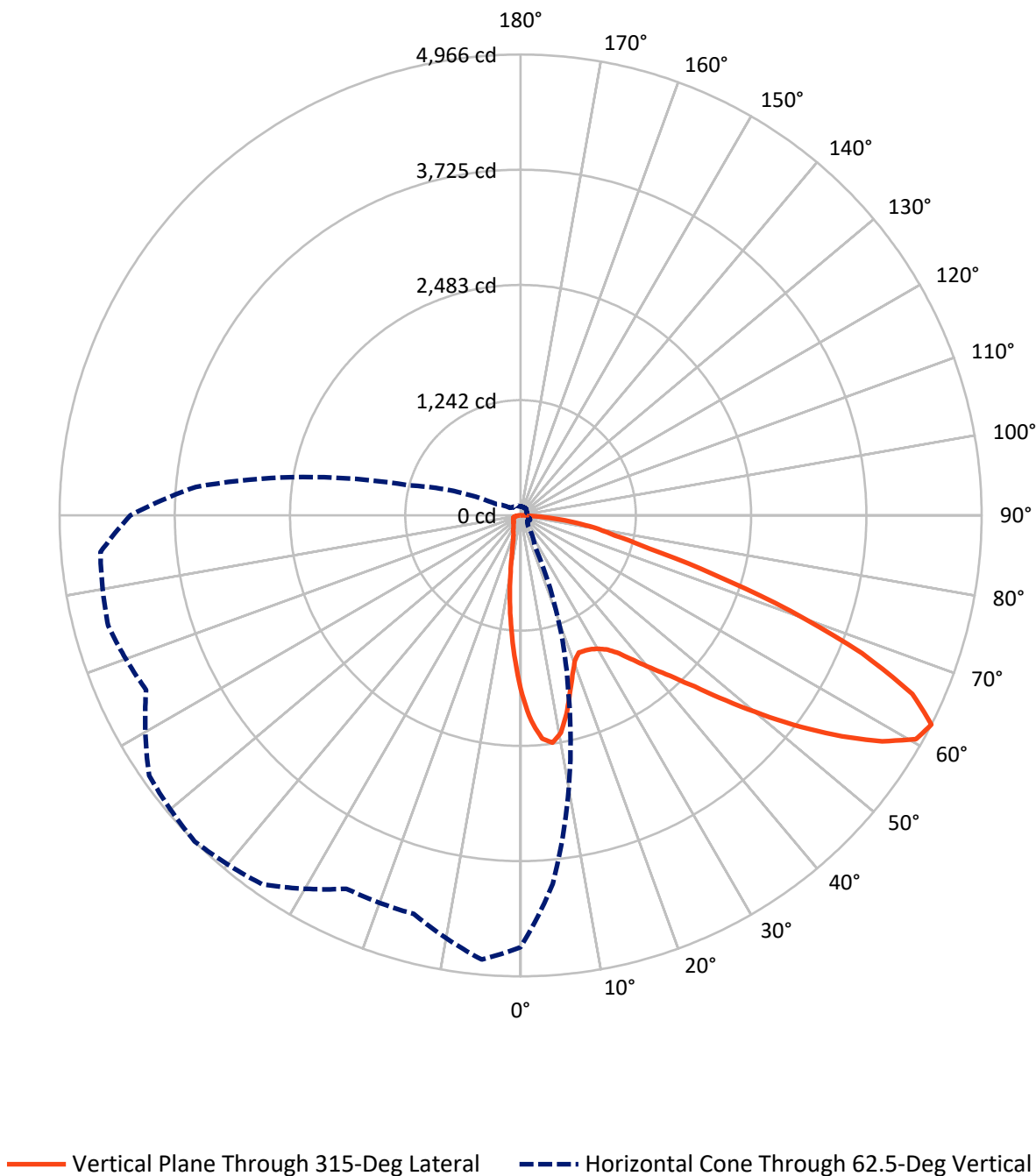


Based on 10 foot mounting height. Maximum calculated value = 19.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	946.0	0.0	946.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	4770.3	0.0	4770.3
	% Fixture	83.5	0.0	83.5
Total	Lumens	5716.3	0.0	5716.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	2.5
10°-20°	257.8	4.5
20°-30°	375.9	6.6
30°-40°	578.9	10.1
40°-50°	852.0	14.9
50°-60°	1249.7	21.9
60°-70°	1397.0	24.4
70°-80°	683.9	12.0
80°-90°	180.6	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°	5716.3	100.0
0°-180°	5716.3	100.0

Coefficient of Utilization



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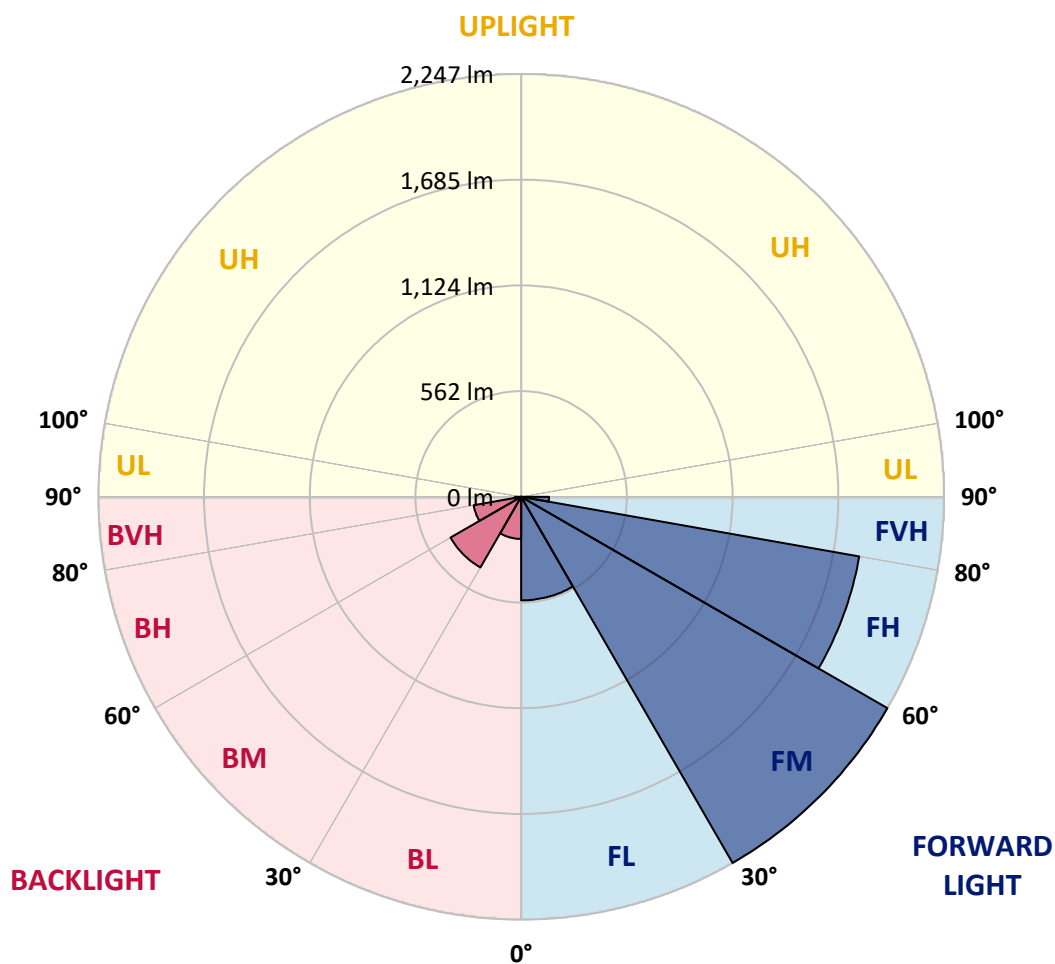
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	550.5	9.6			
FM	(30°-60°)	2247.1	39.3			
FH	(60°-80°)	1824.4	31.9			G2/5000
FVH	(80°-90°)	148.3	2.6			G2/225
BL	(0°-30°)	223.8	3.9	B1/500		
BM	(30°-60°)	433.4	7.6	B1/1000		
BH	(60°-80°)	256.5	4.5	B1/500		G1/500
BVH	(80°-90°)	32.3	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°	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2
2.5°	2006.7	1965.8	1898.0	1827.3	1784.2	1733.9	1694.6	1660.0	1591.0	1577.4	1589.7
5°	1886.9	1804.9	1677.0	1548.2	1462.4	1370.3	1298.7	1241.2	1153.6	1138.1	1156.7
7.5°	1694.9	1596.9	1427.8	1263.5	1142.2	1027.2	949.9	888.3	819.8	790.3	792.2
10°	1529.3	1418.7	1218.9	1040.1	940.8	863.2	798.1	735.0	665.5	620.0	607.4
12.5°	1436.6	1309.4	1079.1	919.4	827.4	745.6	675.6	608.0	533.9	487.3	474.1
15°	1420.7	1282.4	1026.6	842.1	726.8	623.4	540.8	465.3	389.0	351.3	343.4
17.5°	1490.0	1330.8	1009.7	773.4	632.2	504.6	403.1	319.0	256.8	237.8	236.3
20°	1623.3	1423.7	1007.4	708.6	538.9	389.3	280.9	219.6	192.3	187.0	187.3
22.5°	1810.3	1568.0	1034.4	659.9	453.2	290.3	211.1	183.8	173.2	168.1	168.1
25°	2052.2	1766.6	1096.7	624.4	378.7	231.9	186.4	170.0	160.0	156.5	157.1
27.5°	2286.6	1959.9	1168.9	596.4	329.9	210.5	176.6	161.8	153.0	149.6	151.2
30°	2469.5	2131.4	1229.3	558.4	305.1	204.6	180.0	165.0	152.4	147.1	147.4
32.5°	2621.0	2281.6	1279.8	531.0	283.2	175.3	155.2	148.6	147.1	140.8	137.6
35°	2814.5	2445.4	1313.8	531.6	272.7	156.5	138.3	126.6	118.2	110.9	110.9
37.5°	3041.4	2633.3	1349.9	538.9	268.9	145.5	132.3	120.7	112.8	105.9	104.6
40°	3265.8	2817.4	1382.9	545.8	266.8	138.9	127.6	116.9	109.7	102.7	100.9
42.5°	3456.6	2968.8	1412.5	549.3	259.2	138.3	124.1	114.4	107.5	99.9	98.0
45°	3597.6	3095.8	1444.2	554.6	251.7	140.8	124.1	114.1	105.6	98.3	96.5
47.5°	3723.6	3244.7	1497.3	554.6	242.5	136.1	128.2	114.4	105.3	97.7	96.2
50°	3892.3	3449.0	1597.8	541.8	229.7	131.0	135.1	113.1	102.4	96.5	94.6
52.5°	4124.9	3710.8	1757.5	519.5	209.9	121.3	134.2	112.5	99.6	93.3	91.1
55°	4399.8	3991.0	1931.5	493.4	180.3	114.4	129.5	110.9	96.5	89.5	87.4
57.5°	4614.4	4184.0	2054.1	453.2	154.6	110.6	114.7	109.4	92.7	85.5	83.6
60°	4699.9	4176.4	2087.7	399.4	142.0	107.5	100.2	122.5	89.5	82.3	80.1
62.5°	4653.7	3983.5	1993.4	361.7	139.2	103.4	93.9	113.4	87.1	80.1	77.0
65°	4440.4	3641.6	1743.6	351.6	147.4	99.3	89.9	88.9	83.6	77.0	73.9
67.5°	3975.6	3130.6	1396.1	352.6	157.7	95.2	85.8	81.4	78.9	73.6	70.7
70°	3238.2	2475.2	1040.8	355.1	163.1	90.5	81.4	76.7	73.9	68.5	66.6
72.5°	2380.9	1907.7	756.1	338.7	164.0	85.1	75.4	71.3	68.5	62.8	61.3
75°	1628.9	1459.2	524.5	280.6	143.0	77.6	68.8	65.1	63.1	56.3	55.3
77.5°	1190.0	1095.4	335.6	208.4	110.3	68.2	60.7	57.8	56.6	49.0	47.8
80°	954.9	866.6	209.9	142.7	80.7	57.2	50.9	49.3	48.1	40.5	39.6
82.5°	662.4	580.4	134.8	92.7	60.7	44.3	40.2	39.6	37.7	30.8	29.9
85°	349.4	315.2	85.5	63.1	44.0	30.5	27.9	27.9	27.0	20.5	19.8
87.5°	44.6	72.6	43.4	33.0	24.2	13.5	13.5	13.2	14.1	11.7	10.0
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°	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2
2.5°	1560.8	1575.9	1561.4	1562.4	1578.4	1626.2	1647.9	1665.8	1684.9	1697.5	1703.1
5°	1131.2	1166.5	1178.3	1203.5	1240.5	1301.5	1325.7	1343.3	1355.0	1361.9	1364.7
7.5°	773.7	795.0	818.9	859.4	940.2	976.0	992.1	988.0	974.8	970.1	965.4
10°	583.2	574.7	570.3	592.6	658.0	694.2	705.4	694.5	687.2	688.8	696.6
12.5°	451.8	437.1	419.2	416.6	459.7	492.0	499.3	499.9	513.1	524.8	542.1
15°	329.3	327.8	319.0	313.6	338.1	364.5	367.6	373.3	385.2	393.7	408.8
17.5°	232.2	240.7	247.7	251.0	269.6	288.5	285.0	282.1	280.0	280.0	287.2
20°	187.3	192.9	201.7	211.8	230.7	243.9	235.4	224.0	215.8	213.4	214.3
22.5°	168.8	173.2	178.2	187.0	204.0	213.1	204.0	195.8	187.6	184.7	183.8
25°	159.3	165.0	169.7	176.3	188.8	195.2	186.4	180.3	175.3	171.9	169.4
27.5°	154.0	159.0	160.3	163.4	174.1	179.7	175.3	172.8	169.7	166.5	163.4
30°	148.3	147.4	145.2	145.5	154.0	159.6	159.3	160.0	159.6	158.7	158.0
32.5°	135.4	133.6	131.7	133.6	141.4	146.4	146.8	148.0	148.0	147.7	150.2
35°	112.8	116.3	118.5	124.1	133.6	138.0	136.1	132.9	127.3	123.8	123.5
37.5°	104.3	105.0	108.7	116.6	126.9	131.0	128.2	121.0	117.2	116.6	117.5
40°	100.2	100.9	103.1	110.3	120.7	124.8	122.2	116.9	113.4	113.1	114.7
42.5°	97.4	98.0	99.3	104.3	112.8	117.8	118.2	114.4	110.3	110.6	112.2
45°	95.9	96.2	95.9	98.3	106.2	112.2	114.7	112.2	108.7	109.4	111.2
47.5°	95.5	94.6	93.3	93.9	102.1	108.1	111.2	110.3	108.7	109.4	110.9
50°	94.3	92.1	90.5	90.2	98.3	104.6	107.5	107.5	108.1	109.4	110.9
52.5°	90.5	88.0	88.0	87.1	95.9	101.8	103.7	104.0	105.0	107.1	109.4
55°	85.8	84.8	85.8	84.2	93.9	99.6	100.6	101.2	101.8	103.7	106.8
57.5°	81.7	80.4	82.7	82.0	92.4	97.4	97.4	98.7	98.7	101.2	103.7
60°	79.5	77.0	77.9	78.6	90.2	95.5	94.9	96.2	96.8	99.0	100.9
62.5°	76.7	74.5	74.5	76.0	87.7	92.7	92.4	93.3	95.9	96.5	98.3
65°	73.2	72.3	71.3	73.2	85.1	89.5	89.9	91.1	93.3	93.9	95.5
67.5°	69.8	70.1	68.2	70.1	83.0	86.4	86.4	88.9	89.9	91.1	92.7
70°	66.0	66.3	64.8	66.9	81.4	83.0	82.7	86.1	86.7	87.7	89.2
72.5°	61.3	61.3	60.7	63.8	78.9	79.5	78.9	81.7	82.0	83.0	83.6
75°	56.3	56.3	55.6	60.0	77.3	75.7	73.9	76.0	76.7	77.3	77.3
77.5°	49.6	50.2	50.2	55.6	71.9	74.2	67.9	69.2	70.1	70.4	69.5
80°	41.4	43.1	43.7	50.6	60.4	68.5	60.7	61.6	61.9	61.9	60.7
82.5°	31.7	34.6	36.1	43.7	46.2	57.5	52.8	53.7	52.8	50.9	50.2
85°	22.0	25.8	27.6	33.3	34.9	44.3	44.0	44.0	42.1	39.6	39.3
87.5°	12.0	14.1	15.4	19.8	23.8	29.9	32.3	31.4	29.9	28.2	28.6
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°	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2
2.5°	1732.7	1775.4	1843.6	1895.7	1948.2	1998.8	2053.5	2095.3	2130.8	2144.6	2186.8
5°	1393.3	1446.8	1511.1	1627.4	1709.8	1800.5	1905.5	2044.4	2097.8	2171.6	2292.6
7.5°	985.1	1033.5	1137.2	1231.1	1347.7	1476.2	1618.0	1809.6	1879.7	1998.2	2195.3
10°	735.6	791.9	875.1	954.3	1057.1	1188.5	1351.2	1565.5	1650.6	1779.2	2006.0
12.5°	592.6	659.0	747.3	821.7	901.2	993.9	1151.9	1387.0	1501.1	1613.6	1842.9
15°	455.3	524.8	606.8	701.3	789.0	888.9	1054.6	1311.6	1443.0	1560.1	1755.9
17.5°	315.2	374.6	477.9	576.6	688.8	816.7	1027.6	1327.6	1484.4	1619.5	1771.0
20°	223.4	257.4	342.2	456.5	596.4	757.0	1022.5	1411.9	1615.8	1770.0	1867.8
22.5°	187.9	200.5	249.8	354.8	516.3	712.4	1040.1	1530.0	1793.0	1990.0	2022.1
25°	171.2	178.8	204.6	278.4	445.0	680.0	1099.5	1706.0	2012.3	2210.0	2204.4
27.5°	162.1	170.0	187.0	235.1	391.2	659.9	1158.9	1914.6	2263.1	2448.8	2378.4
30°	159.3	170.0	187.9	221.6	352.9	628.2	1207.6	2097.8	2456.0	2610.0	2457.6
32.5°	157.1	158.7	166.8	191.1	316.4	591.1	1240.5	2262.2	2644.8	2763.3	2571.7
35°	126.9	134.8	148.0	171.2	295.0	568.8	1240.5	2403.8	2830.9	2918.3	2680.3
37.5°	122.2	129.2	140.8	160.6	283.2	557.7	1215.8	2540.5	3021.0	3093.9	2769.9
40°	119.7	125.4	136.4	152.4	278.1	545.2	1179.7	2661.2	3206.7	3269.9	2853.5
42.5°	117.8	122.9	133.2	147.4	271.5	531.3	1150.4	2758.0	3368.0	3420.0	2933.3
45°	116.9	122.2	133.6	149.9	258.3	513.1	1140.7	2862.6	3500.5	3545.4	3019.8
47.5°	116.9	123.2	135.1	155.2	242.5	494.3	1171.2	3000.6	3625.8	3647.9	3121.5
50°	115.9	122.9	139.5	149.9	219.6	470.4	1242.8	3174.3	3761.7	3764.2	3250.4
52.5°	114.1	122.2	150.2	146.8	193.2	438.9	1339.6	3397.4	3962.4	3977.5	3452.2
55°	111.9	121.3	147.4	139.5	171.5	401.6	1418.7	3668.6	4244.6	4286.4	3748.8
57.5°	109.0	120.0	142.7	129.5	157.4	353.5	1447.4	3867.3	4441.7	4546.6	4083.1
60°	106.5	119.1	128.8	123.5	148.6	313.0	1392.0	3828.0	4428.1	4654.3	4379.5
62.5°	104.0	120.0	117.5	119.7	144.5	286.9	1247.5	3513.4	4204.1	4543.1	4599.1
65°	101.2	111.5	110.9	116.6	143.6	276.5	1034.1	3041.7	3771.1	4191.5	4650.9
67.5°	97.4	103.1	106.2	112.5	146.8	267.4	834.6	2509.1	3169.3	3664.5	4380.7
70°	93.3	98.0	101.5	107.5	144.8	263.3	694.2	1978.7	2514.8	3003.4	3847.4
72.5°	88.0	92.1	95.2	100.9	143.0	261.2	586.4	1593.5	1877.5	2231.1	3128.2
75°	81.7	85.5	87.7	93.3	137.0	239.2	460.9	1348.4	1404.9	1552.0	2491.5
77.5°	74.5	77.3	79.2	85.5	121.3	198.9	333.4	1040.1	1091.0	1126.8	1910.2
80°	66.0	68.8	69.8	75.7	100.6	155.6	217.5	768.3	816.0	824.2	1247.5
82.5°	56.3	59.0	59.0	64.8	82.3	111.9	142.7	526.3	535.7	563.4	881.7
85°	45.2	47.5	47.5	50.2	63.8	83.6	98.0	264.2	261.5	298.5	763.9
87.5°	32.3	34.0	35.5	36.1	45.5	55.3	59.0	80.4	53.1	61.0	490.5
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°	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2	1931.2
2.5°	2218.5	2236.4	2218.2	2205.0	2148.1	2101.2	2038.7	2006.7
5°	2384.7	2430.2	2414.9	2359.5	2240.8	2107.2	1955.5	1886.9
7.5°	2364.6	2470.4	2473.0	2369.6	2194.5	1997.8	1792.4	1694.9
10°	2208.1	2343.5	2382.1	2281.9	2096.2	1876.3	1640.6	1529.3
12.5°	2033.4	2166.0	2195.6	2161.0	2005.7	1784.8	1545.7	1436.6
15°	1890.4	1949.8	1985.0	2015.1	1928.2	1748.3	1540.4	1420.7
17.5°	1803.4	1796.8	1806.8	1859.3	1874.0	1790.2	1622.1	1490.0
20°	1772.0	1671.1	1668.5	1740.9	1848.6	1889.8	1781.7	1623.3
22.5°	1789.2	1625.8	1605.1	1690.8	1862.1	2033.4	1991.0	1810.3
25°	1848.9	1629.6	1613.0	1695.8	1911.2	2186.5	2216.9	2052.2
27.5°	1942.9	1653.5	1631.5	1716.6	1976.2	2314.9	2439.3	2286.6
30°	2032.1	1694.9	1667.6	1757.5	2035.6	2365.9	2575.8	2469.5
32.5°	2140.5	1772.6	1724.5	1832.6	2109.1	2446.9	2697.3	2621.0
35°	2246.7	1883.2	1823.5	1948.5	2191.2	2547.8	2836.2	2814.5
37.5°	2363.3	2027.7	1978.4	2098.4	2303.3	2643.0	3013.5	3041.4
40°	2487.7	2219.4	2161.0	2317.1	2477.4	2762.4	3198.6	3265.8
42.5°	2613.1	2432.2	2362.4	2520.8	2668.8	2880.2	3356.9	3456.6
45°	2756.8	2663.0	2630.1	2801.4	2852.6	2992.4	3473.8	3597.6
47.5°	2923.9	2925.1	2978.3	3046.8	3038.0	3119.4	3591.4	3723.6
50°	3119.1	3252.3	3369.5	3415.0	3229.0	3255.7	3754.4	3892.3
52.5°	3353.4	3643.5	3788.7	3758.8	3434.9	3422.3	4012.7	4124.9
55°	3646.6	4057.6	4201.9	4180.5	3671.5	3649.2	4334.4	4399.8
57.5°	3986.0	4458.9	4591.5	4495.4	3955.5	3898.1	4600.6	4614.4
60°	4284.2	4776.9	4893.2	4786.7	4242.1	4162.9	4766.8	4699.9
62.5°	4450.1	4884.7	4966.4	4851.8	4438.5	4445.1	4803.4	4653.7
65°	4376.0	4612.3	4638.7	4629.3	4387.9	4608.8	4672.3	4440.4
67.5°	3970.0	3923.4	3967.8	4029.1	3954.3	4393.3	4309.4	3975.6
70°	3254.8	2999.3	3087.6	3128.8	3162.8	3780.5	3740.3	3238.2
72.5°	2452.8	2101.2	2171.0	2162.5	2319.6	3032.3	2908.9	2380.9
75°	1738.0	1424.8	1433.6	1430.1	1618.6	2372.4	2106.3	1628.9
77.5°	1216.1	1032.3	1037.0	1056.4	1088.2	1789.2	1504.9	1190.0
80°	836.2	783.4	809.5	811.0	754.1	1202.0	1111.7	954.9
82.5°	622.8	544.5	538.3	547.4	591.1	973.8	854.4	662.4
85°	510.0	322.4	259.2	324.9	523.9	964.3	567.5	349.4
87.5°	287.2	153.0	69.2	128.2	209.0	638.5	164.0	44.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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