

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: P526805

Luminaire Tested: **GLAN-SA1D-735-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-735-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4031 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

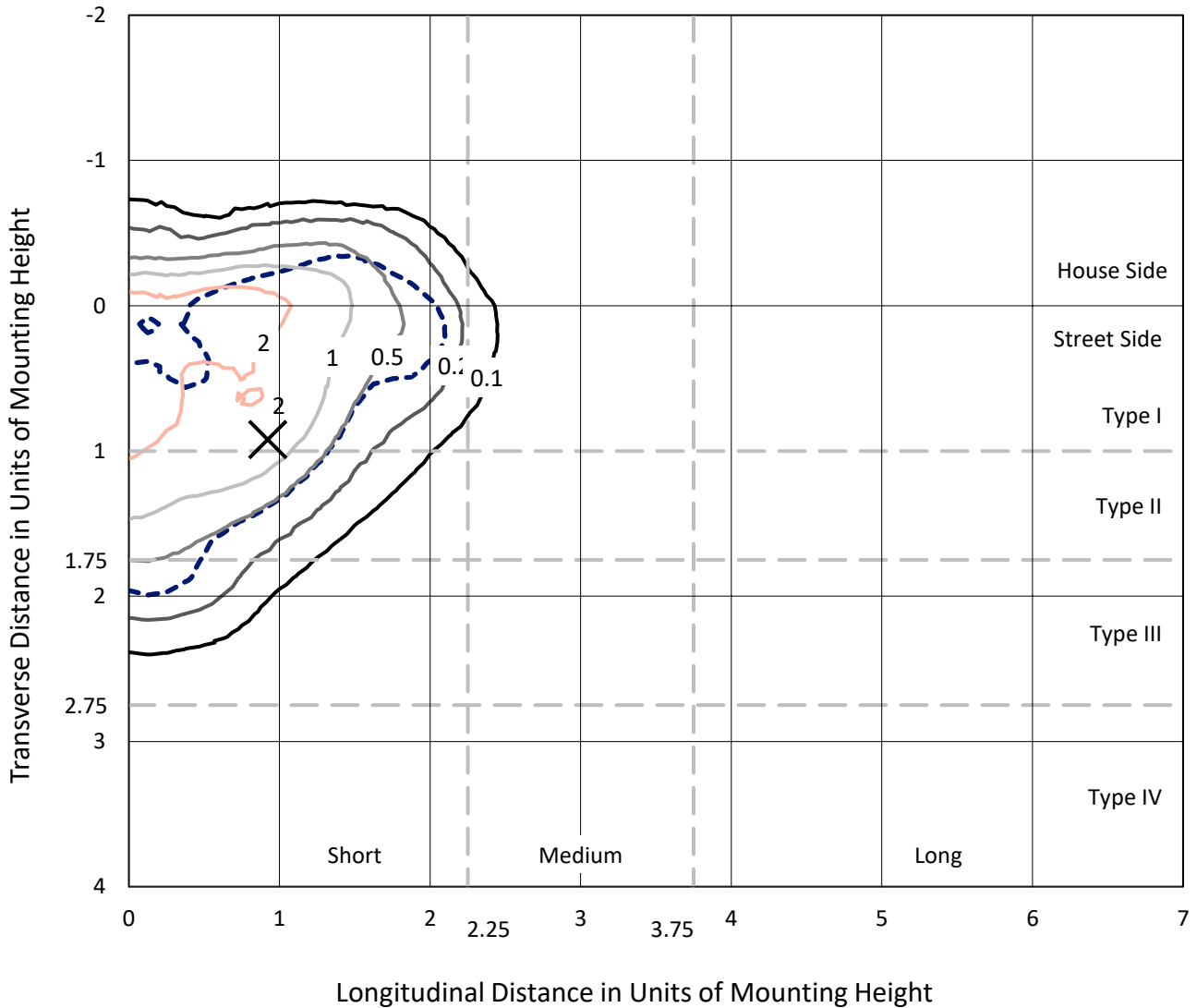
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

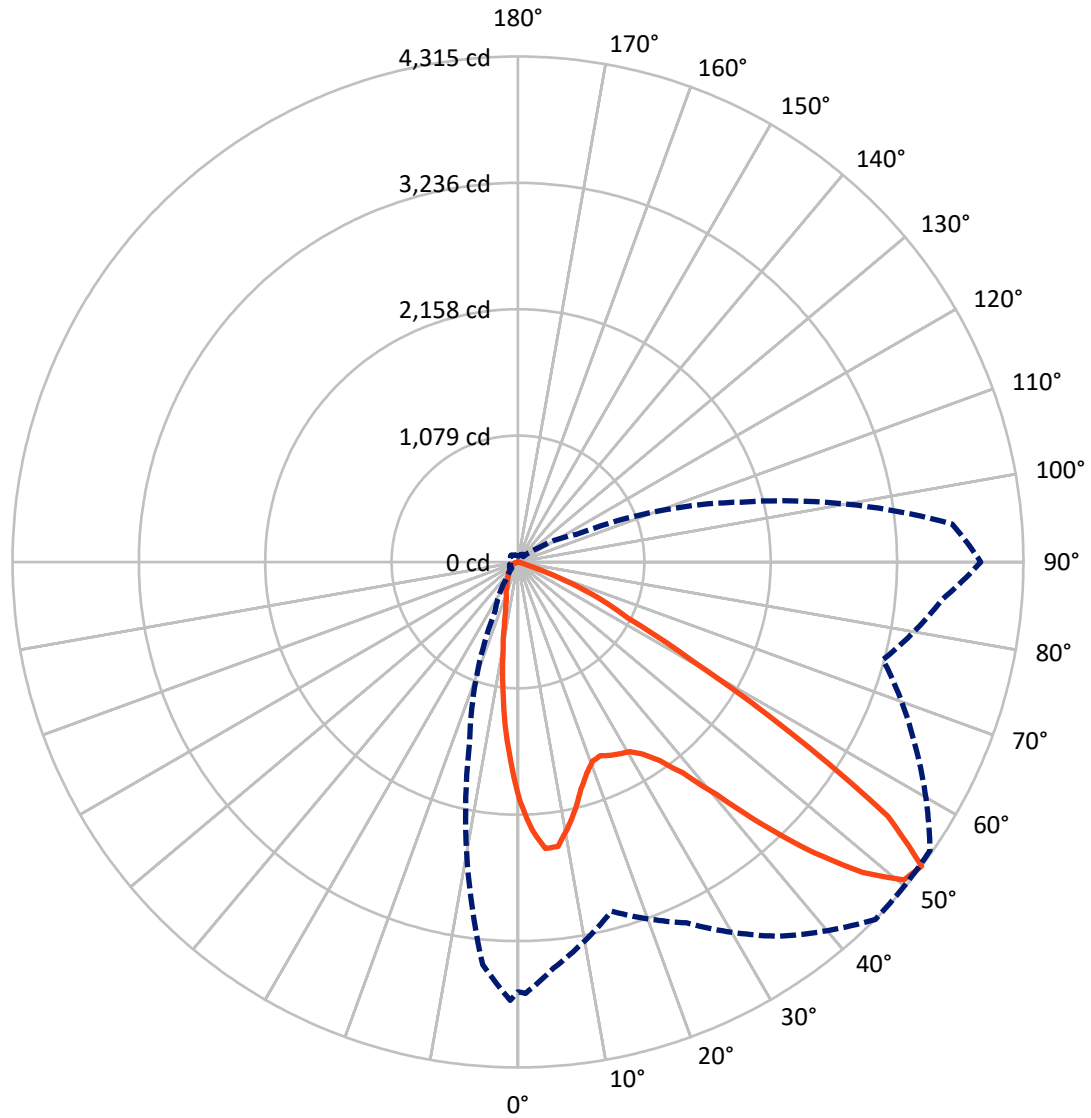
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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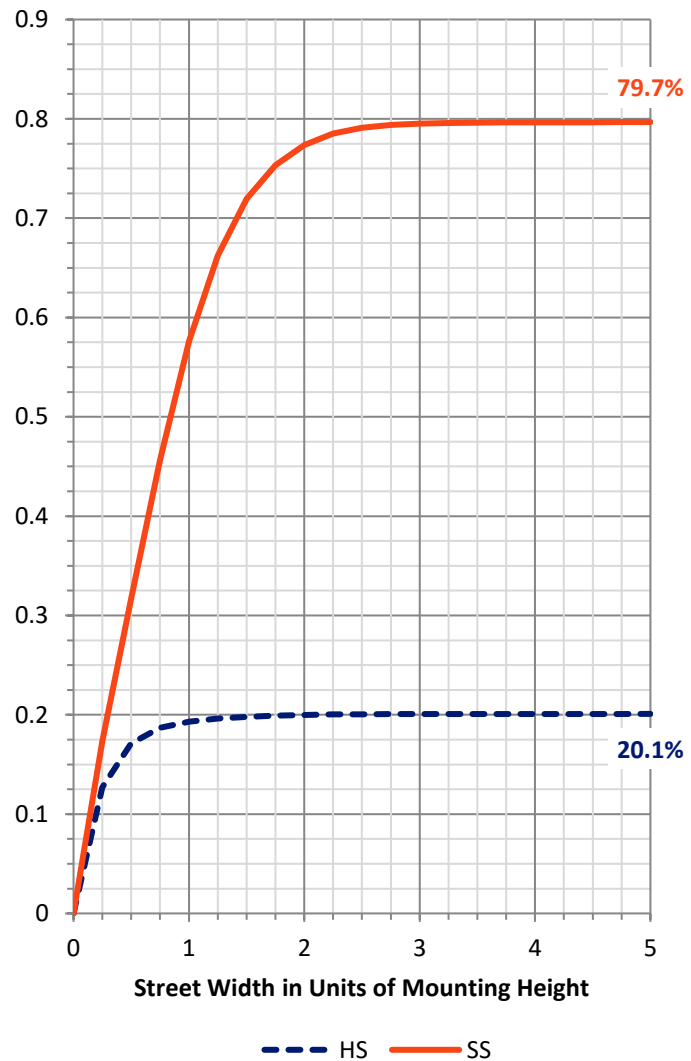
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	818.1	0.0	818.1
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	3212.9	0.0	3212.9
	% Fixture	79.7	0.0	79.7
Total	Lumens	4031.0	0.0	4031.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.1	3.7
10°-20°	294.1	7.3
20°-30°	447.6	11.1
30°-40°	668.9	16.6
40°-50°	952.6	23.6
50°-60°	1024.0	25.4
60°-70°	453.8	11.3
70°-80°	36.7	0.9
80°-90°	4.3	0.1
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°	4031.0	100.0
0°-180°	4031.0	100.0

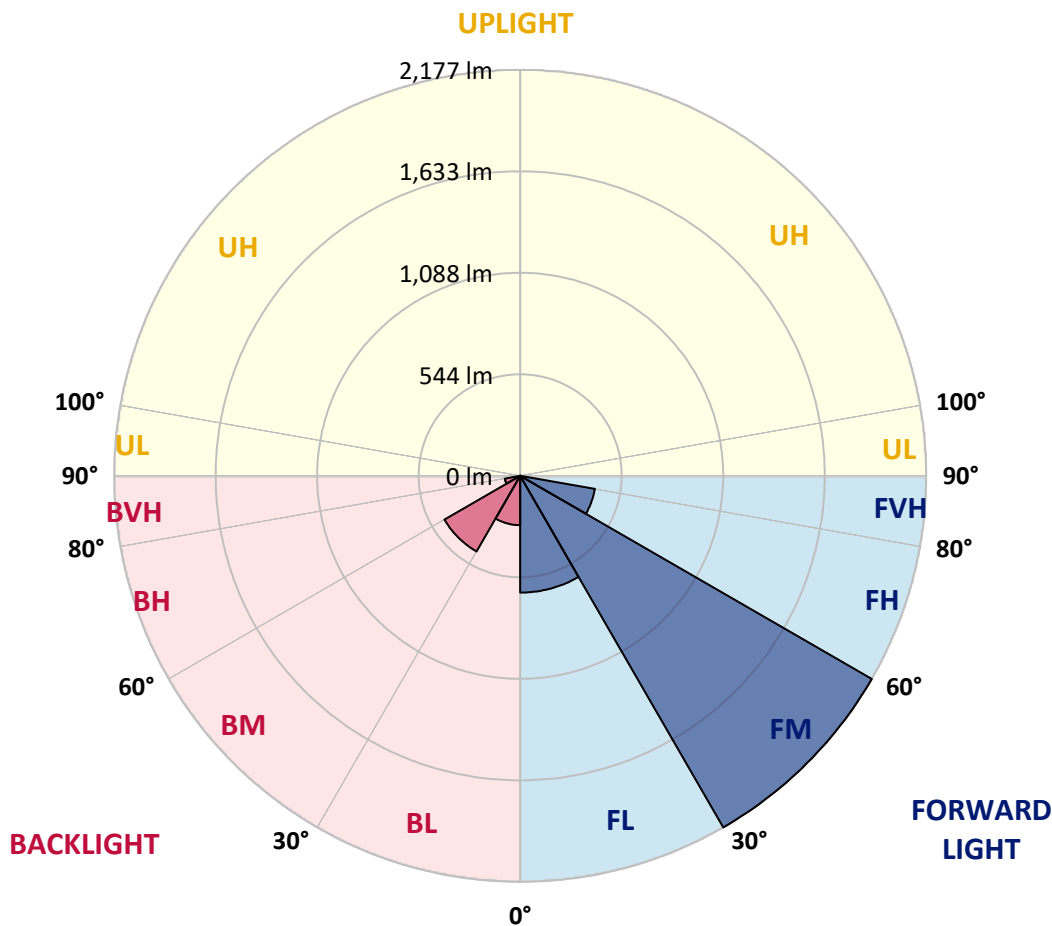


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	626.1	15.5			
FM (30°-60°)	2176.9	54.0			
FH (60°-80°)	406.8	10.1			G0/660
FVH (80°-90°)	3.2	0.1			G0/10
BL (0°-30°)	264.6	6.6	B1/500		
BM (30°-60°)	468.7	11.6	B1/1000		
BH (60°-80°)	83.7	2.1	B0/110		G0/110
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9
2.5°	2162.8	2169.2	2204.1	2247.7	2270.7	2323.0	2286.5	2296.0	2276.2	2206.4	2151.7
5°	2097.0	2096.2	2140.6	2248.5	2350.7	2454.6	2457.8	2402.3	2304.7	2197.7	2044.7
7.5°	1898.8	1929.7	1975.7	2147.8	2337.2	2414.9	2452.2	2387.2	2237.4	2084.3	1918.6
10°	1749.0	1764.8	1842.5	2050.2	2189.0	2292.9	2315.8	2278.6	2163.6	1972.6	1787.0
12.5°	1662.6	1670.5	1761.7	1936.1	2082.8	2159.7	2170.8	2188.2	2105.7	1926.6	1703.8
15°	1663.3	1669.7	1792.6	1938.5	1996.3	1975.7	2012.2	2011.4	2047.1	1917.8	1773.6
17.5°	1783.1	1790.2	1901.2	1973.3	1948.0	1899.6	1897.2	1933.7	2009.0	2026.5	1879.0
20°	1989.2	2005.8	2087.5	2083.5	1940.8	1843.3	1816.4	1844.1	2019.3	2118.4	2091.5
22.5°	2266.7	2289.7	2346.8	2237.4	1973.3	1805.3	1796.5	1850.5	2087.5	2323.8	2332.5
25°	2588.6	2627.4	2655.2	2514.8	2089.1	1871.1	1829.8	1922.6	2179.5	2546.6	2639.3
27.5°	2801.8	2842.3	2835.9	2635.4	2166.8	1888.5	1853.6	1940.0	2259.6	2599.7	2799.5
30°	2968.3	2992.9	3037.3	2700.4	2244.5	1937.7	1878.2	2013.8	2285.7	2691.6	2992.9
32.5°	3162.6	3179.2	3182.4	2815.3	2364.2	1999.5	1954.3	2105.7	2401.5	2779.6	3164.2
35°	3358.4	3383.0	3331.5	2957.2	2437.9	2114.5	2081.2	2265.1	2494.2	2870.8	3352.9
37.5°	3570.9	3583.6	3464.6	3015.9	2543.4	2301.6	2283.3	2437.1	2655.2	3035.7	3562.2
40°	3749.3	3761.2	3606.6	3088.1	2654.4	2563.2	2610.0	2765.4	2874.0	3142.8	3666.8
42.5°	3848.4	3876.1	3654.1	3048.4	2877.2	2859.7	3067.4	3122.1	3127.7	3172.9	3760.4
45°	3875.3	3862.6	3575.6	3080.9	3072.2	3347.3	3536.0	3608.1	3379.8	3228.4	3784.2
47.5°	3750.9	3767.5	3459.9	3052.4	3328.3	3716.8	3961.0	4094.9	3567.7	3180.0	3725.5
50°	3650.2	3628.8	3422.6	3031.8	3397.3	3891.2	4267.8	4297.9	3740.6	3239.5	3661.3
52.5°	3670.0	3683.5	3482.1	3086.5	3398.8	3901.5	4315.3	4294.7	3746.1	3226.0	3638.3
55°	3712.0	3652.5	3456.7	2966.0	3171.3	3613.7	3830.1	3798.4	3457.5	3082.5	3582.0
57.5°	3203.0	3295.0	3178.4	2648.0	2602.8	2722.6	2718.6	2816.1	2579.1	2652.8	3260.9
60°	2599.7	2615.5	2659.1	2265.1	1801.3	1760.1	1703.0	1641.1	1735.5	2268.3	2966.0
62.5°	2286.5	2267.5	2422.9	2060.6	1271.7	1064.8	1055.3	1093.3	1339.1	2163.6	2782.0
65°	1661.8	1685.5	1798.1	1599.1	954.6	812.6	798.4	911.0	1083.8	1733.9	2123.2
67.5°	1014.8	1060.8	1071.1	986.3	647.7	514.5	493.9	596.2	782.5	1121.8	1244.7
70°	468.6	524.1	576.4	538.3	375.0	211.7	199.8	250.5	394.8	645.4	660.4
72.5°	141.9	142.7	199.8	208.5	121.3	47.6	42.0	55.5	134.0	213.3	224.4
75°	10.3	11.1	27.0	30.9	23.0	11.9	12.7	15.1	28.5	47.6	35.7
77.5°	0.8	0.8	0.8	4.0	7.1	7.9	10.3	11.9	15.1	17.4	15.9
80°	0.8	0.0	0.8	3.2	5.5	7.9	9.5	11.1	11.9	13.5	11.9
82.5°	0.0	0.0	0.0	2.4	5.5	7.9	8.7	11.9	13.5	15.9	13.5
85°	0.0	0.0	0.0	2.4	5.5	8.7	7.9	4.0	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°	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9
2.5°	2161.2	2130.3	2059.8	2024.1	1940.0	1928.2	1845.7	1832.2	1804.5	1789.4	1752.9
5°	1977.3	1940.0	1825.1	1728.4	1615.8	1537.3	1477.0	1422.3	1390.6	1361.3	1374.8
7.5°	1827.5	1718.8	1591.2	1429.5	1299.4	1215.4	1123.4	1048.1	1003.7	973.6	980.7
10°	1670.5	1599.9	1422.3	1240.8	1083.8	1024.3	952.2	894.3	831.7	777.8	752.4
12.5°	1621.3	1516.7	1293.9	1109.2	990.2	932.4	849.9	783.3	703.2	637.4	614.4
15°	1630.0	1529.4	1259.0	1061.6	921.3	821.4	723.1	640.6	552.6	506.6	482.8
17.5°	1772.0	1597.5	1282.0	1011.6	825.3	686.6	565.3	460.6	394.8	347.3	337.0
20°	1946.4	1745.0	1331.2	975.2	746.8	546.3	413.1	322.7	268.0	260.0	257.7
22.5°	2201.7	1986.0	1436.6	950.6	650.9	425.7	283.0	234.7	219.6	218.0	218.8
25°	2558.4	2288.1	1551.6	930.0	578.8	328.2	231.5	199.0	194.2	191.9	195.8
27.5°	2713.0	2470.4	1612.6	885.6	513.0	295.7	228.3	197.4	183.9	180.0	182.3
30°	2904.1	2591.7	1708.5	809.5	416.2	243.4	213.3	214.9	208.5	188.7	182.3
32.5°	3157.8	2743.2	1756.9	755.6	371.8	201.4	156.2	143.5	160.2	163.3	168.9
35°	3320.4	2897.0	1781.5	723.8	348.8	172.0	132.4	120.5	116.5	117.3	120.5
37.5°	3622.4	3104.7	1812.4	690.6	331.4	149.8	119.7	108.6	103.1	103.1	106.2
40°	3803.2	3269.6	1854.4	672.3	314.0	136.4	108.6	99.1	94.3	94.3	95.9
42.5°	3848.4	3351.3	1840.1	666.0	294.1	133.2	99.1	92.0	86.4	85.6	84.8
45°	3929.2	3475.7	1842.5	658.8	273.5	121.3	93.6	85.6	77.7	76.9	76.1
47.5°	4018.0	3565.3	1847.3	631.1	253.7	101.5	97.5	79.3	69.8	68.2	68.2
50°	3941.9	3636.7	1888.5	603.3	228.3	82.5	95.9	74.5	61.8	59.5	60.3
52.5°	3951.4	3720.7	1975.7	564.5	196.6	65.8	77.7	70.6	56.3	52.3	53.1
55°	3799.2	3631.9	1987.6	523.3	153.8	50.7	59.5	61.8	47.6	46.0	46.0
57.5°	3270.4	3075.4	1753.7	424.2	101.5	42.0	42.8	53.9	41.2	39.6	40.4
60°	2798.7	2468.9	1411.2	279.9	63.4	33.3	30.9	54.7	36.5	35.7	38.1
62.5°	2551.3	2028.8	1070.3	173.6	43.6	25.4	21.4	44.4	31.7	31.7	34.9
65°	1843.3	1362.9	622.4	91.2	30.9	19.8	15.9	25.4	26.2	27.0	28.5
67.5°	1141.7	688.2	262.4	44.4	20.6	13.5	10.3	15.9	17.4	17.4	19.0
70°	563.7	274.3	87.2	25.4	15.9	11.1	7.1	8.7	8.7	7.9	8.7
72.5°	174.4	82.5	22.2	15.9	11.1	7.1	4.0	3.2	1.6	0.0	0.8
75°	19.8	15.9	14.3	11.1	7.1	3.2	0.8	0.0	0.0	0.0	0.0
77.5°	11.9	13.5	13.5	11.1	7.1	2.4	0.0	0.0	0.0	0.0	0.0
80°	9.5	10.3	11.1	10.3	6.3	3.2	0.0	0.0	0.0	0.0	0.0
82.5°	11.9	13.5	15.1	13.5	8.7	4.0	1.6	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	2.4	0.8	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°	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9
2.5°	1737.9	1720.4	1745.0	1708.5	1707.7	1708.5	1698.2	1688.7	1703.8	1744.2	1748.2
5°	1326.4	1363.7	1375.6	1414.4	1393.0	1361.3	1367.6	1346.2	1398.5	1421.5	1403.3
7.5°	965.7	963.3	1043.4	1048.1	1058.4	1059.2	1057.6	1015.6	972.8	982.3	1010.9
10°	749.2	708.8	747.6	743.7	769.0	761.9	772.2	727.0	742.1	742.1	760.3
12.5°	610.5	567.7	560.5	550.2	560.5	564.5	568.5	559.7	585.1	597.0	609.7
15°	466.2	442.4	436.1	416.2	419.4	430.5	440.0	444.0	436.1	454.3	455.9
17.5°	338.5	337.7	341.7	340.9	337.7	335.4	334.6	324.3	321.1	322.7	329.0
20°	256.9	263.2	276.7	290.2	297.3	288.6	276.7	259.3	252.1	253.7	254.5
22.5°	219.6	229.1	247.4	262.4	269.6	253.7	232.3	217.2	214.1	213.3	212.5
25°	199.0	210.1	223.6	228.3	227.5	218.0	202.2	195.8	194.2	192.7	185.5
27.5°	187.9	191.9	194.2	199.8	202.2	195.8	191.9	182.3	180.8	180.8	176.0
30°	181.6	179.2	182.3	178.4	181.6	176.8	177.6	177.6	173.6	175.2	175.2
32.5°	168.9	169.7	169.7	161.7	164.1	158.6	164.1	168.9	169.7	170.5	176.8
35°	123.7	138.0	145.1	145.1	147.5	143.5	142.7	137.2	130.0	122.9	119.7
37.5°	108.6	114.2	123.7	129.2	133.2	130.0	122.9	114.2	110.2	107.0	103.9
40°	96.7	101.5	107.8	114.2	122.1	118.1	107.0	103.1	98.3	98.3	95.1
42.5°	87.2	89.6	93.6	103.1	111.8	103.9	95.9	92.8	90.4	89.6	88.8
45°	78.5	79.3	83.2	91.2	101.5	93.6	85.6	81.7	82.5	83.2	82.5
47.5°	70.6	72.1	74.5	84.0	90.4	86.4	77.7	75.3	75.3	75.3	76.1
50°	61.0	65.0	69.8	77.7	82.5	80.1	72.9	69.8	68.2	68.2	69.0
52.5°	54.7	57.9	64.2	73.7	80.1	76.1	69.0	64.2	61.0	60.3	61.8
55°	47.6	53.1	63.4	70.6	79.3	75.3	67.4	61.8	56.3	55.5	55.5
57.5°	42.8	51.5	61.0	69.8	76.9	73.7	67.4	60.3	53.1	52.3	52.3
60°	40.4	49.9	59.5	67.4	76.9	72.1	66.6	58.7	50.7	50.7	49.9
62.5°	38.1	46.8	56.3	64.2	73.7	69.8	64.2	56.3	48.4	48.4	46.8
65°	31.7	40.4	46.8	53.9	64.2	60.3	54.7	49.2	42.8	41.2	42.0
67.5°	22.2	27.7	34.1	41.2	47.6	46.0	43.6	39.6	34.1	33.3	32.5
70°	11.1	15.1	20.6	27.7	33.3	31.7	30.1	27.0	23.8	23.0	23.0
72.5°	1.6	4.8	8.7	12.7	17.4	18.2	17.4	16.6	15.9	15.1	15.9
75°	0.0	0.0	0.0	3.2	7.1	8.7	10.3	11.9	11.9	10.3	12.7
77.5°	0.0	0.0	0.0	0.0	0.8	4.0	7.9	10.3	12.7	11.1	15.1
80°	0.0	0.0	0.0	0.0	0.8	4.8	7.9	11.1	12.7	11.1	15.9
82.5°	0.0	0.0	0.0	0.0	0.8	5.5	7.9	10.3	11.9	11.1	14.3
85°	0.0	0.0	0.0	0.0	2.4	4.8	3.2	1.6	0.8	0.8	2.4
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°	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9
2.5°	1770.4	1826.7	1886.9	1909.9	1981.3	2035.2	2071.7	2150.1	2162.0	2162.8
5°	1422.3	1450.9	1553.9	1602.3	1708.5	1791.0	1879.0	2005.8	2090.7	2097.0
7.5°	1010.9	1090.1	1133.7	1259.8	1390.6	1519.8	1650.7	1798.1	1896.4	1898.8
10°	813.4	865.0	942.7	1037.0	1147.2	1278.8	1453.2	1624.5	1724.4	1749.0
12.5°	654.9	745.3	834.1	931.6	1015.6	1114.7	1302.6	1530.9	1613.4	1662.6
15°	504.2	586.7	691.3	805.5	900.6	1033.1	1247.1	1508.0	1646.7	1663.3
17.5°	371.8	445.6	542.3	650.1	792.8	980.7	1256.6	1624.5	1755.3	1783.1
20°	267.2	310.0	386.1	511.4	692.9	919.7	1266.1	1742.6	1941.6	1989.2
22.5°	211.7	229.1	279.1	390.1	581.1	855.5	1333.5	1968.6	2197.7	2266.7
25°	183.9	193.4	217.2	307.6	510.6	849.1	1441.4	2239.7	2538.6	2588.6
27.5°	177.6	179.2	199.8	282.2	472.5	807.1	1482.6	2432.4	2751.1	2801.8
30°	187.1	212.5	214.1	238.6	402.0	723.8	1504.0	2618.7	2931.1	2968.3
32.5°	161.7	153.8	159.4	184.7	353.6	675.5	1544.4	2781.2	3136.4	3162.6
35°	112.6	118.1	130.8	160.2	309.2	624.7	1554.7	2960.4	3331.5	3358.4
37.5°	103.9	107.0	117.3	136.4	271.9	596.2	1540.5	3091.2	3533.6	3570.9
40°	96.7	100.7	106.2	123.7	244.2	564.5	1520.6	3209.4	3657.3	3749.3
42.5°	91.2	94.3	99.1	118.1	220.4	532.8	1492.9	3375.9	3768.3	3848.4
45°	84.8	89.6	95.1	115.0	206.9	511.4	1472.3	3365.5	3832.5	3875.3
47.5°	78.5	86.4	92.8	107.0	203.0	501.1	1481.0	3326.7	3780.2	3750.9
50°	72.1	82.5	93.6	88.8	193.4	480.5	1491.3	3379.8	3655.7	3650.2
52.5°	66.6	78.5	87.2	72.9	172.0	460.6	1591.2	3449.6	3743.7	3670.0
55°	58.7	70.6	69.8	58.7	139.5	445.6	1669.7	3451.2	3684.3	3712.0
57.5°	53.1	62.6	54.7	49.2	103.1	372.6	1542.0	2893.8	3153.9	3203.0
60°	49.2	61.0	41.2	38.8	67.4	268.8	1346.2	2241.3	2506.9	2599.7
62.5°	45.2	57.9	32.5	31.7	46.8	191.1	1106.8	1875.8	2160.4	2286.5
65°	39.6	41.2	26.2	24.6	33.3	103.1	673.9	1291.5	1615.0	1661.8
67.5°	32.5	31.7	21.4	19.8	22.2	49.9	297.3	646.9	936.3	1014.8
70°	26.2	26.2	18.2	15.9	15.9	23.0	77.7	257.7	423.4	468.6
72.5°	19.0	19.8	14.3	12.7	11.9	11.1	12.7	51.5	111.0	141.9
75°	16.6	17.4	14.3	11.1	8.7	7.1	5.5	4.8	6.3	10.3
77.5°	18.2	18.2	15.1	10.3	7.9	5.5	3.2	1.6	1.6	0.8
80°	23.0	23.8	19.8	13.5	9.5	6.3	4.0	1.6	0.8	0.8
82.5°	24.6	27.0	22.2	16.6	11.9	7.1	4.0	0.8	0.0	0.0
85°	6.3	10.3	17.4	15.1	11.9	7.1	4.0	0.8	0.0	0.0
87.5°	0.0	0.8	2.4	2.4	3.2	3.2	2.4	0.8	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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