

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P385944

Luminaire Tested: GAW-SA1C-735-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385944
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
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-735-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 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: 5261.6 lumens
Efficiency: N/A
Efficacy: 89.2 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

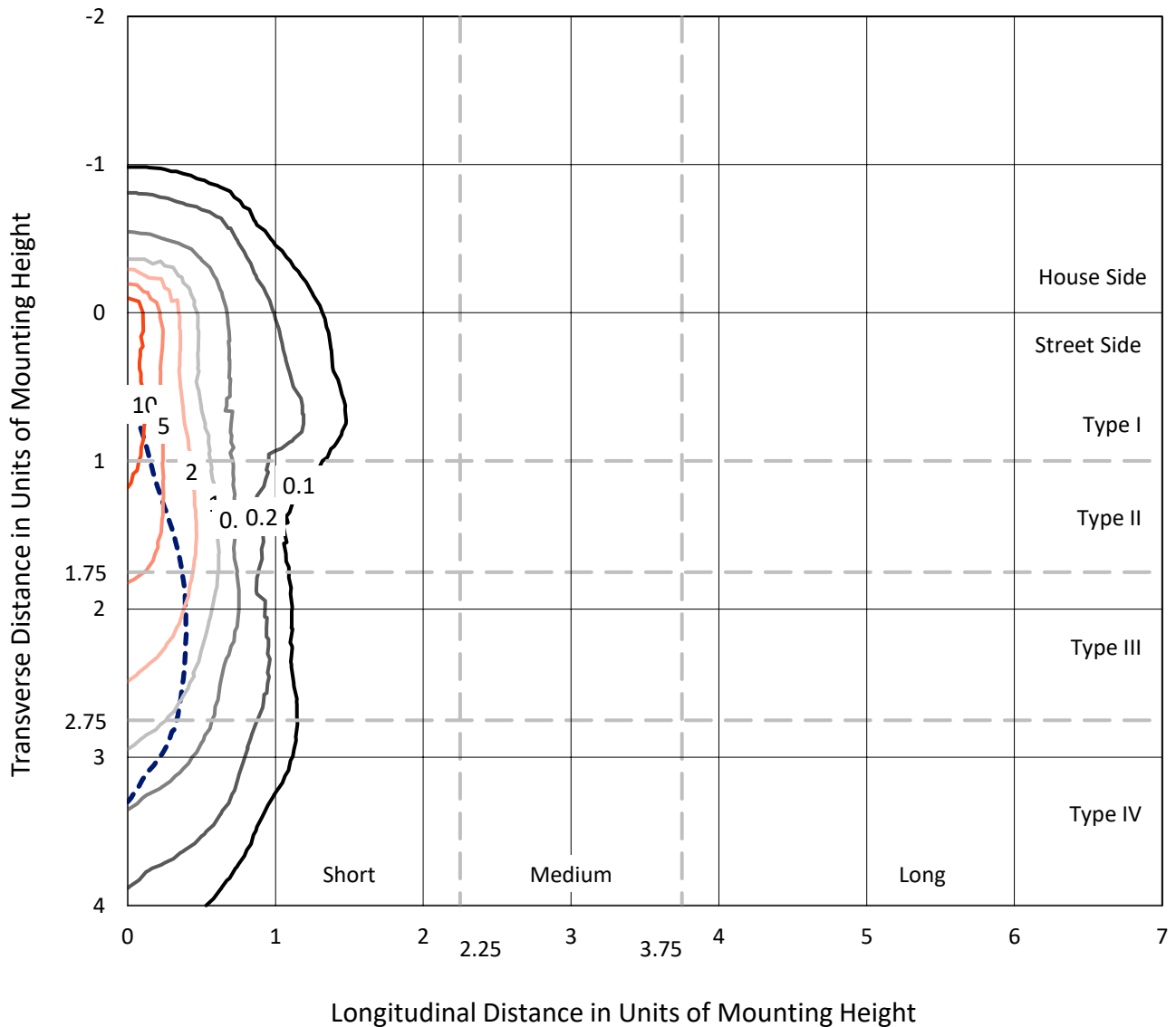
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

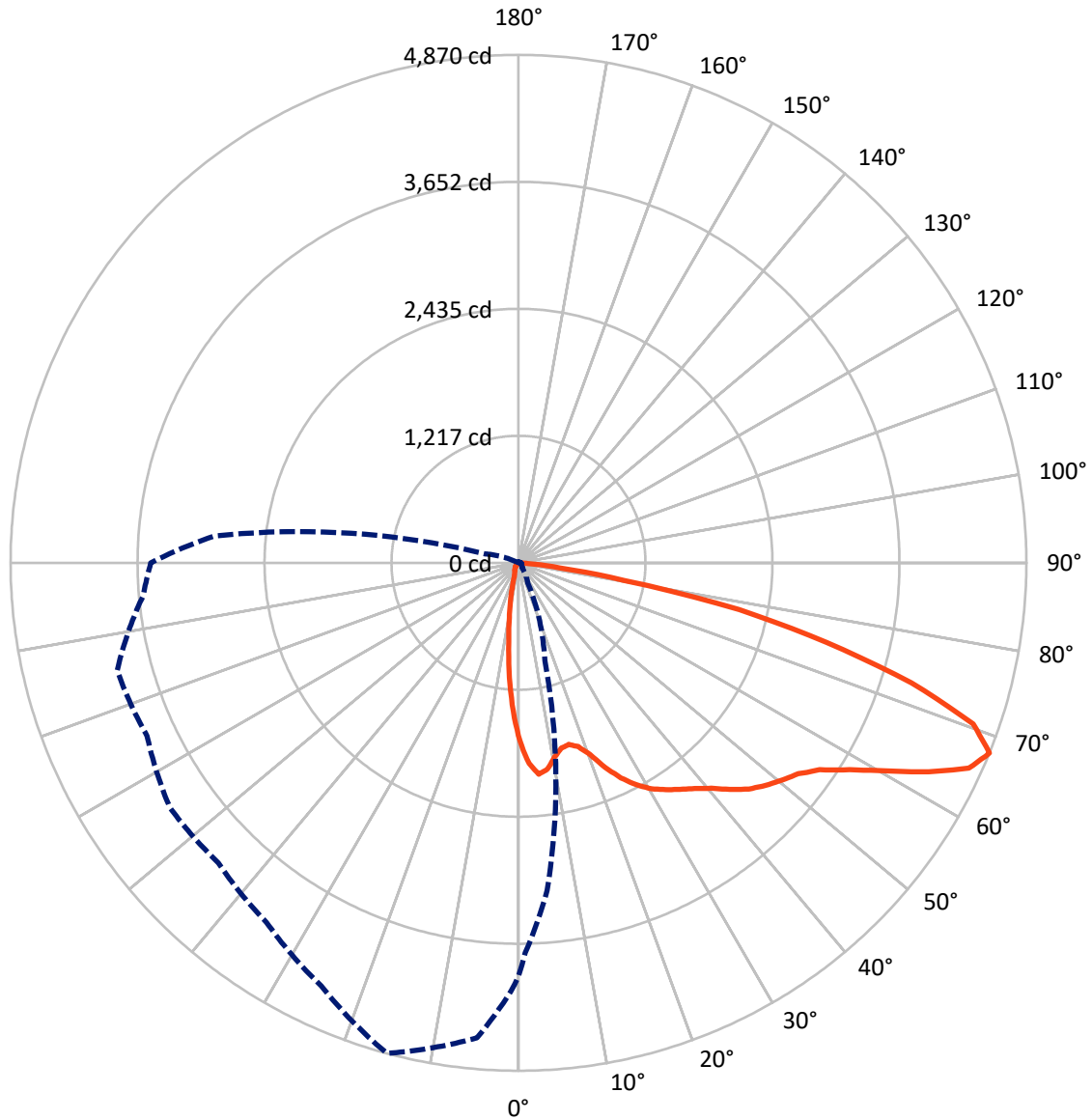
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.1 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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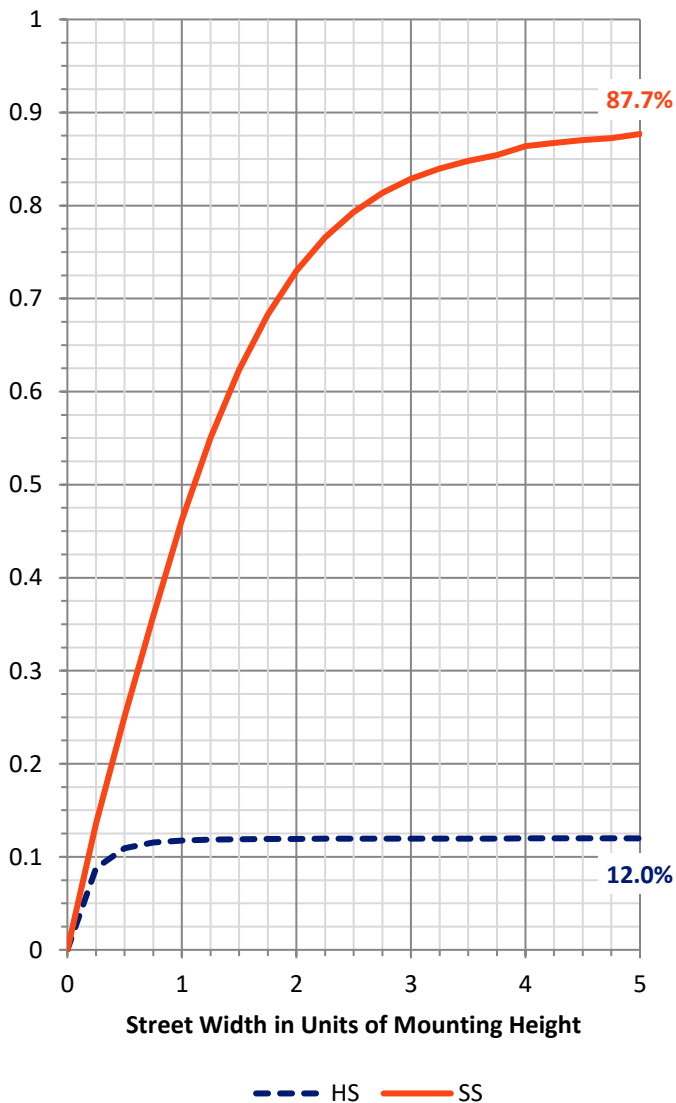
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	636.8	0.0	636.8
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	4624.7	0.0	4624.7
	% Fixture	87.9	0.0	87.9
Total	Lumens	5261.6	0.0	5261.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	2.5
10°-20°	261.8	5.0
20°-30°	371.8	7.1
30°-40°	549.2	10.4
40°-50°	792.0	15.1
50°-60°	1111.8	21.1
60°-70°	1296.1	24.6
70°-80°	662.6	12.6
80°-90°	84.6	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°	5261.6	100.0
0°-180°	5261.6	100.0

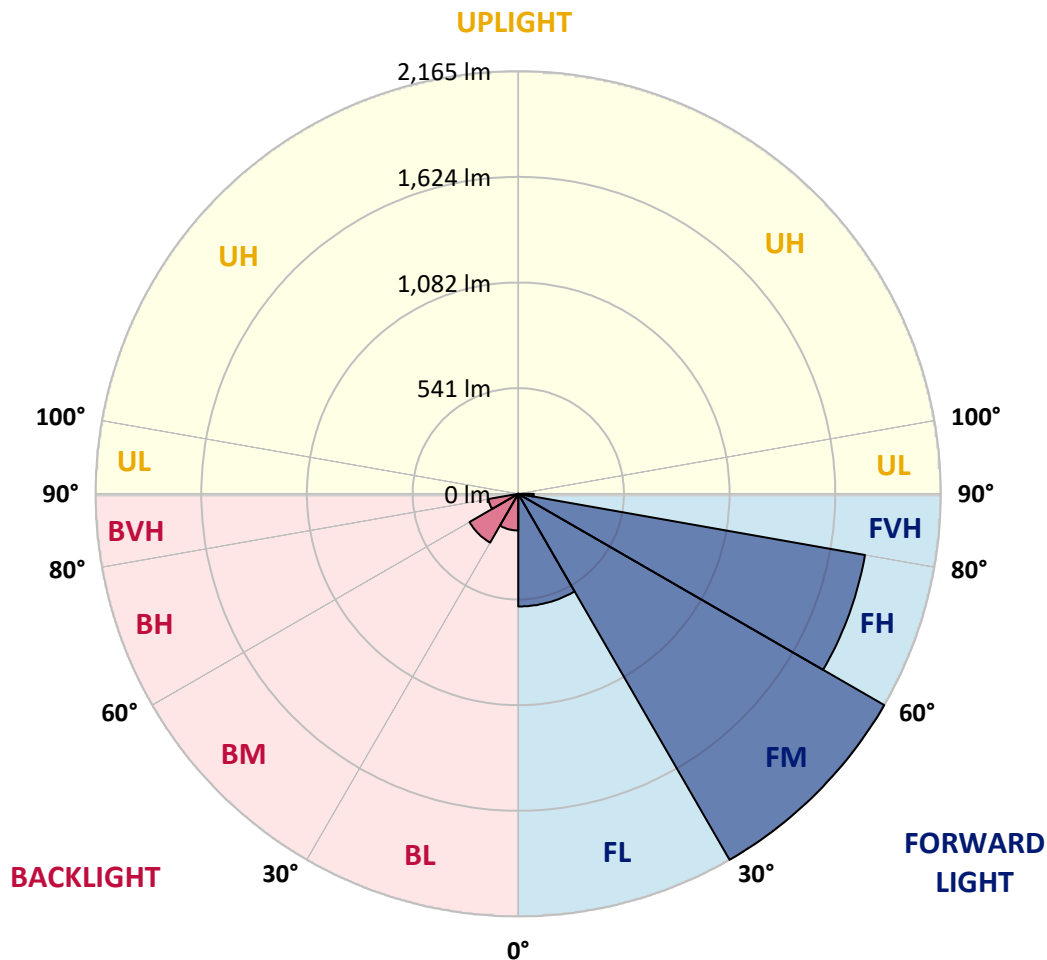


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	577.1	11.0			
FM (30°-60°)	2164.7	41.1			
FH (60°-80°)	1803.5	34.3			G2/5000
FVH (80°-90°)	79.5	1.5			G1/100
BL (0°-30°)	188.1	3.6	B1/500		
BM (30°-60°)	288.4	5.5	B1/1000		
BH (60°-80°)	155.2	2.9	B1/500		G1/500
BVH (80°-90°)	5.1	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°	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9
2.5°	1876.7	1862.3	1846.3	1794.2	1745.9	1690.5	1645.3	1614.0	1574.6	1523.5	1510.5
5°	1863.3	1847.8	1797.7	1681.8	1580.3	1481.6	1386.5	1330.6	1261.2	1191.0	1173.5
7.5°	1727.9	1711.7	1639.4	1480.7	1344.0	1201.5	1077.9	1001.3	923.0	858.7	824.6
10°	1587.1	1569.4	1488.1	1295.4	1127.2	998.3	907.5	834.6	760.5	691.7	636.9
12.5°	1490.1	1467.0	1378.7	1160.3	1013.8	926.2	841.5	754.1	653.8	580.1	519.7
15°	1449.5	1423.1	1329.8	1108.2	973.6	870.9	760.5	653.1	535.6	451.2	395.9
17.5°	1480.9	1446.5	1346.5	1104.7	923.2	783.5	643.9	517.7	390.3	304.8	265.5
20°	1587.6	1542.5	1415.6	1103.7	862.2	679.5	502.5	360.0	257.2	206.9	186.2
22.5°	1755.5	1696.0	1514.8	1111.7	799.1	570.3	362.9	244.5	193.1	167.0	154.8
25°	1958.4	1889.4	1657.6	1139.9	743.8	464.2	263.7	193.1	163.0	143.8	133.6
27.5°	2151.4	2095.3	1838.1	1180.5	701.0	378.4	214.1	163.7	139.3	126.6	118.4
30°	2344.1	2273.5	2023.3	1228.9	649.3	320.3	188.2	149.3	124.8	111.4	106.2
32.5°	2484.1	2425.6	2168.3	1263.8	594.3	282.4	168.2	136.6	116.7	103.0	95.3
35°	2648.9	2582.6	2292.7	1271.5	558.8	258.5	151.3	122.9	101.2	89.0	80.8
37.5°	2826.9	2744.4	2436.3	1254.6	531.2	246.8	138.6	116.7	94.5	82.0	73.3
40°	3023.8	2930.6	2574.1	1230.1	504.0	242.7	128.9	111.9	89.2	76.6	67.5
42.5°	3231.2	3121.3	2693.5	1204.4	486.8	229.1	127.9	107.2	85.2	71.6	62.6
45°	3405.4	3294.0	2816.2	1195.9	474.6	214.1	132.1	103.9	82.5	67.5	58.8
47.5°	3544.2	3438.8	2941.8	1214.9	467.6	200.4	120.4	108.2	81.0	64.1	55.6
50°	3710.0	3590.6	3118.8	1271.5	457.4	186.7	109.0	123.9	81.0	61.8	52.9
52.5°	3917.9	3799.8	3316.2	1359.2	437.0	167.8	98.0	124.1	81.7	58.8	49.3
55°	4179.4	4093.7	3598.2	1455.5	404.3	139.9	84.7	106.7	78.7	53.4	46.1
57.5°	4430.2	4360.1	3855.1	1521.3	360.7	109.2	73.7	86.0	72.1	46.9	41.1
59°	4498.8	4422.2	3949.3	1524.3	328.0	95.3	68.3	71.0	70.5	43.9	38.1
60°	4498.8	4417.5	3976.5	1508.3	304.4	87.5	64.8	63.3	73.6	41.9	36.4
62.5°	4417.2	4303.1	3888.2	1400.4	248.3	74.5	56.6	52.3	66.0	37.7	32.1
65°	4247.8	4081.5	3587.6	1205.1	221.3	68.3	48.8	42.8	45.8	33.2	28.2
67.5°	3965.1	3739.7	3154.2	973.6	210.6	66.5	42.1	36.4	34.7	28.4	24.7
70°	3467.3	3217.2	2628.0	765.5	201.4	65.9	35.4	30.6	27.9	24.0	20.9
72.5°	2523.6	2262.8	1865.7	598.5	196.0	67.3	28.4	25.6	22.9	18.7	16.2
75°	1443.5	1272.8	1048.6	395.3	167.0	64.3	22.0	21.4	16.4	13.4	11.2
77.5°	745.8	723.1	628.4	151.8	80.0	28.2	14.5	12.5	9.7	8.3	6.8
80°	321.8	318.3	275.4	43.9	21.2	15.7	8.3	5.3	4.5	3.5	2.7
82.5°	111.1	111.1	98.0	14.7	9.5	7.7	1.0	0.0	0.0	0.0	0.0
85°	22.5	25.2	17.7	0.0	3.2	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°	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9
2.5°	1494.9	1464.7	1462.6	1443.8	1420.1	1409.4	1403.1	1414.1	1427.5	1429.0	1449.2
5°	1160.3	1128.7	1141.8	1108.2	1115.0	1108.2	1097.3	1099.3	1105.2	1086.5	1109.7
7.5°	814.8	790.9	806.1	797.2	809.1	813.9	807.1	797.2	767.8	764.2	784.4
10°	614.2	587.0	570.8	553.9	557.6	565.3	562.9	555.7	537.0	537.9	557.3
12.5°	493.6	463.1	431.0	389.4	379.1	384.9	379.1	374.9	357.0	358.5	375.7
15°	374.3	349.5	315.8	282.4	264.3	265.9	250.0	238.8	227.6	214.1	224.6
17.5°	252.8	237.6	227.6	217.6	196.0	191.0	170.8	149.1	140.6	134.3	138.8
20°	179.0	170.8	166.7	166.3	153.8	147.6	127.9	114.4	110.2	109.0	111.7
22.5°	149.6	143.5	137.8	134.6	128.4	121.2	106.2	99.5	96.5	95.0	96.9
25°	130.1	125.6	119.7	114.1	111.7	103.9	93.2	88.2	86.2	84.7	85.8
27.5°	115.6	111.7	104.6	101.2	99.2	92.4	83.2	79.3	77.5	77.0	76.7
30°	104.2	100.4	93.9	90.0	86.5	80.5	75.1	71.0	69.3	68.8	68.3
32.5°	92.7	89.7	85.5	81.5	77.8	72.3	67.5	64.3	61.5	61.1	60.8
35°	78.3	75.2	73.0	72.8	69.3	64.1	60.6	56.4	54.1	53.4	53.5
37.5°	69.5	65.6	60.6	62.3	61.3	57.6	52.9	48.6	46.4	45.8	45.8
40°	64.1	59.8	54.1	51.1	54.1	53.4	45.8	41.6	39.4	39.2	38.6
42.5°	58.8	54.6	48.1	43.1	44.6	46.9	39.6	35.6	33.4	32.9	32.1
45°	55.0	50.6	43.4	37.7	34.7	39.4	33.9	28.9	27.7	26.7	26.2
47.5°	51.6	47.3	39.2	32.7	27.7	28.4	27.1	23.7	22.2	21.2	20.9
50°	48.6	44.2	35.4	27.9	22.9	20.9	22.0	18.7	17.5	16.4	16.0
52.5°	45.1	40.9	31.4	24.1	19.2	16.4	16.7	14.7	13.4	12.7	12.5
55°	42.4	38.1	28.2	21.2	16.9	13.4	11.9	11.5	10.7	10.2	10.0
57.5°	38.6	34.7	24.9	17.9	14.5	11.0	9.2	9.2	9.0	8.5	8.3
59°	36.4	32.9	22.9	16.2	13.2	9.5	8.3	8.5	8.3	7.7	7.5
60°	34.7	31.4	21.4	14.9	12.5	8.7	7.5	8.0	7.7	7.2	7.0
62.5°	30.6	28.4	18.4	12.5	11.0	7.0	6.2	6.8	6.8	6.5	6.2
65°	27.0	24.4	15.7	10.4	10.2	6.0	5.0	6.0	6.2	5.7	5.3
67.5°	23.4	20.9	13.7	8.5	9.5	4.7	3.8	5.0	6.8	5.3	4.7
70°	19.9	17.5	10.7	6.8	10.0	3.2	3.0	4.5	8.0	5.7	4.5
72.5°	15.5	13.4	7.5	5.0	10.7	2.3	2.3	3.8	9.0	6.2	4.2
75°	10.7	8.7	4.5	3.0	8.7	1.5	1.5	3.5	8.5	5.7	3.9
77.5°	6.2	4.7	1.5	0.3	4.5	0.0	0.3	2.5	6.0	3.5	1.8
80°	2.3	1.0	0.0	0.0	2.7	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°	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9
2.5°	1454.5	1488.1	1518.2	1563.9	1618.0	1680.3	1733.8	1791.4	1845.5	1868.0	1883.5
5°	1114.5	1156.1	1204.7	1271.8	1361.0	1470.9	1573.9	1690.3	1815.4	1877.9	1936.7
7.5°	788.0	830.3	890.6	961.9	1069.9	1200.7	1335.3	1496.1	1665.5	1764.6	1862.0
10°	566.5	618.7	675.0	772.5	882.2	1006.3	1144.8	1324.4	1513.3	1623.0	1740.3
12.5°	385.6	444.9	530.2	639.4	768.2	889.9	1010.2	1181.5	1400.8	1509.5	1635.4
15°	231.3	264.3	354.4	480.9	638.9	790.4	922.3	1094.0	1327.8	1460.9	1591.8
17.5°	142.6	157.8	206.9	310.6	476.6	668.3	849.0	1064.3	1338.3	1500.3	1640.4
20°	113.7	119.7	135.4	183.5	315.8	533.7	766.5	1058.4	1423.8	1623.2	1773.5
22.5°	98.7	104.5	114.9	133.4	198.7	399.5	688.2	1063.9	1546.4	1807.4	1982.9
25°	87.0	92.0	101.9	117.1	145.6	281.4	604.5	1088.3	1706.2	2035.9	2222.4
27.5°	77.8	82.0	91.2	105.2	124.8	196.4	509.5	1118.0	1895.7	2269.8	2453.8
30°	69.3	73.0	81.3	94.2	108.4	151.1	405.3	1138.2	2085.4	2453.8	2619.0
32.5°	62.1	64.8	72.3	83.2	94.2	120.4	308.1	1134.9	2226.2	2606.8	2738.0
35°	54.6	57.3	63.8	73.3	82.0	99.5	242.3	1074.3	2348.9	2765.6	2874.0
37.5°	46.4	49.9	56.1	64.5	70.5	87.5	196.0	1001.3	2473.2	2947.1	3025.8
40°	39.4	42.8	48.4	57.6	61.3	83.0	150.6	912.3	2613.0	3150.0	3192.3
42.5°	32.7	35.9	41.6	49.6	57.9	71.6	111.4	810.6	2747.4	3323.5	3344.1
45°	26.4	29.7	35.6	43.6	61.8	59.4	86.2	701.6	2855.9	3467.8	3474.5
47.5°	20.9	24.0	30.2	41.1	57.6	47.3	61.5	616.1	2946.8	3580.4	3562.7
50°	16.2	18.7	25.2	47.2	50.4	39.2	46.6	587.8	3028.3	3650.2	3604.4
52.5°	12.7	14.9	20.7	44.2	39.2	32.4	39.2	614.5	3140.0	3708.1	3627.8
55°	10.2	12.5	16.2	25.2	26.7	27.4	33.4	639.4	3332.7	3843.6	3766.1
57.5°	8.5	10.7	13.2	17.7	20.2	23.2	29.7	642.1	3559.7	4069.0	3995.7
59°	7.7	9.7	11.9	15.7	17.7	21.2	27.9	627.1	3639.8	4151.0	4114.4
60°	7.2	9.2	11.2	14.5	16.4	19.9	27.0	613.0	3643.3	4148.0	4165.0
62.5°	6.2	8.3	10.0	12.2	14.0	16.9	24.1	560.3	3495.7	4012.2	4134.6
65°	5.4	7.2	9.0	10.4	11.9	15.2	22.0	464.3	3243.6	3793.1	3926.4
67.5°	5.0	6.2	8.3	9.2	10.7	13.4	19.4	331.0	2928.8	3525.1	3611.6
70°	4.5	6.0	7.5	8.5	9.7	11.7	16.7	190.2	2473.2	3132.8	3194.3
72.5°	4.2	5.7	6.8	8.0	8.7	10.4	15.2	89.5	1810.9	2509.6	2670.3
75°	3.8	5.3	6.2	7.5	8.3	9.5	13.0	42.8	1204.4	1816.1	1998.8
77.5°	2.3	4.2	5.7	6.8	7.2	8.3	10.7	24.7	768.7	1257.0	1480.7
80°	0.0	1.5	4.2	5.7	6.2	7.0	8.3	19.4	411.3	718.2	862.0
82.5°	0.0	0.0	3.0	4.5	4.2	4.7	6.2	12.2	185.4	469.3	529.0
85°	0.0	0.0	1.0	3.5	3.0	2.3	4.2	4.2	40.7	237.6	296.4
87.5°	0.0	0.0	0.0	0.3	1.5	1.0	1.8	0.5	0.3	17.7	71.8
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°	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9
2.5°	1937.5	1956.0	1987.1	2001.8	1994.6	1964.0	1927.4	1889.9	1868.0	1876.7
5°	2056.7	2151.7	2206.4	2224.7	2194.2	2125.5	2035.5	1916.8	1874.7	1863.3
7.5°	2056.7	2235.4	2348.6	2368.5	2300.7	2165.9	1997.1	1811.9	1750.4	1727.9
10°	1984.4	2227.7	2385.5	2417.2	2322.4	2120.8	1894.7	1683.3	1610.2	1587.1
12.5°	1902.8	2164.8	2331.1	2374.7	2297.0	2075.9	1823.6	1596.3	1510.3	1490.1
15°	1852.8	2087.6	2225.1	2256.8	2223.9	2049.7	1806.6	1570.1	1468.9	1449.5
17.5°	1870.7	2027.8	2077.4	2095.8	2118.0	2040.5	1852.8	1627.4	1499.4	1480.9
20°	1938.3	1964.7	1939.0	1962.2	2022.0	2049.5	1962.7	1766.1	1612.3	1587.6
22.5°	2053.0	1932.1	1860.0	1869.2	1942.0	2079.1	2130.7	1964.0	1786.4	1755.5
25°	2186.5	1958.4	1816.1	1808.0	1882.7	2118.2	2284.2	2179.3	1992.6	1958.4
27.5°	2354.6	2017.8	1807.2	1798.9	1862.0	2154.9	2411.9	2392.2	2209.7	2151.4
30°	2484.1	2076.2	1833.8	1814.9	1882.7	2180.3	2514.3	2572.9	2382.7	2344.1
32.5°	2577.1	2144.9	1877.2	1849.8	1941.0	2224.2	2593.4	2738.4	2542.8	2484.1
35°	2648.0	2219.7	1947.3	1902.2	2021.3	2290.7	2667.4	2914.7	2713.0	2648.9
37.5°	2714.2	2324.6	2056.7	2002.9	2147.2	2397.9	2745.7	3114.6	2903.4	2826.9
40°	2806.7	2443.6	2225.4	2177.6	2358.8	2544.0	2843.4	3322.9	3120.0	3023.8
42.5°	2899.2	2571.1	2398.2	2411.1	2622.8	2721.4	2969.5	3543.3	3333.9	3231.2
45°	2983.7	2702.7	2644.2	2704.0	2867.8	2916.2	3094.8	3670.7	3504.7	3405.4
47.5°	3058.9	2867.3	2888.7	3048.0	3146.5	3092.4	3188.6	3780.6	3631.8	3544.2
50°	3146.5	3080.2	3211.0	3436.4	3467.3	3251.9	3273.8	3910.7	3780.3	3710.0
52.5°	3242.1	3304.5	3568.0	3766.6	3756.6	3425.1	3359.6	4056.5	3984.0	3917.9
55°	3350.8	3485.7	3882.3	4075.7	4067.2	3618.5	3501.7	4236.8	4239.2	4179.4
57.5°	3512.1	3641.7	4095.7	4325.7	4339.9	3841.9	3742.5	4438.6	4470.0	4430.2
59°	3627.8	3742.9	4180.1	4430.2	4488.0	4014.7	3918.4	4555.8	4535.1	4498.8
60°	3713.5	3807.3	4222.0	4484.8	4574.0	4131.8	4048.3	4624.6	4542.8	4498.8
62.5°	3925.6	3947.3	4297.5	4546.6	4672.9	4392.0	4413.7	4741.8	4489.3	4417.2
65°	4024.6	4035.8	4296.6	4435.9	4577.2	4594.7	4745.3	4745.3	4358.4	4247.8
67.5°	3983.2	3929.1	4083.5	4069.0	4210.1	4474.3	4869.9	4571.3	4108.2	3965.1
70°	3646.7	3438.6	3370.1	3376.3	3484.2	3891.7	4623.1	4059.3	3634.5	3467.3
72.5°	3034.3	2535.0	2365.8	2558.9	2587.1	2990.9	3939.9	3057.0	2680.4	2523.6
75°	2440.5	1787.0	1511.8	1715.7	1763.5	2188.8	3047.8	1903.9	1565.6	1443.5
77.5°	1753.3	1282.7	1084.8	1070.6	1132.4	1388.1	2162.6	958.2	799.1	745.8
80°	996.0	844.2	909.1	857.8	888.9	867.9	1027.5	420.3	344.2	321.8
82.5°	601.2	499.0	540.4	449.9	569.3	495.8	395.9	134.6	116.9	111.1
85°	391.1	272.7	142.0	95.3	196.1	316.9	88.5	36.6	28.2	22.5
87.5°	134.9	69.5	7.0	3.0	20.9	59.1	3.2	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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