

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: P385886

Luminaire Tested: GAW-SA1C-727-U-SLL-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385886
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
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-727-U-SLL-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 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: 4683 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

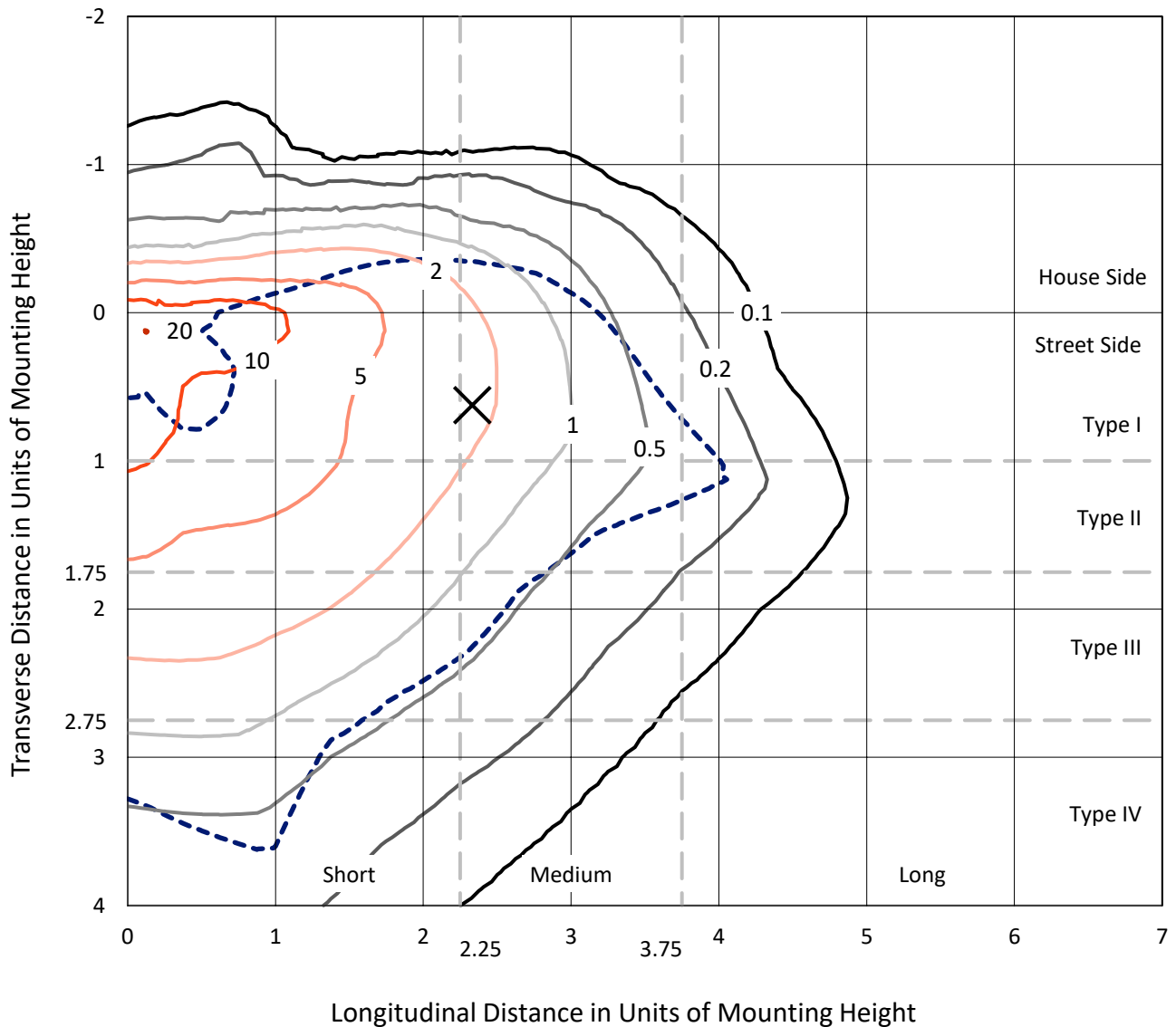
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

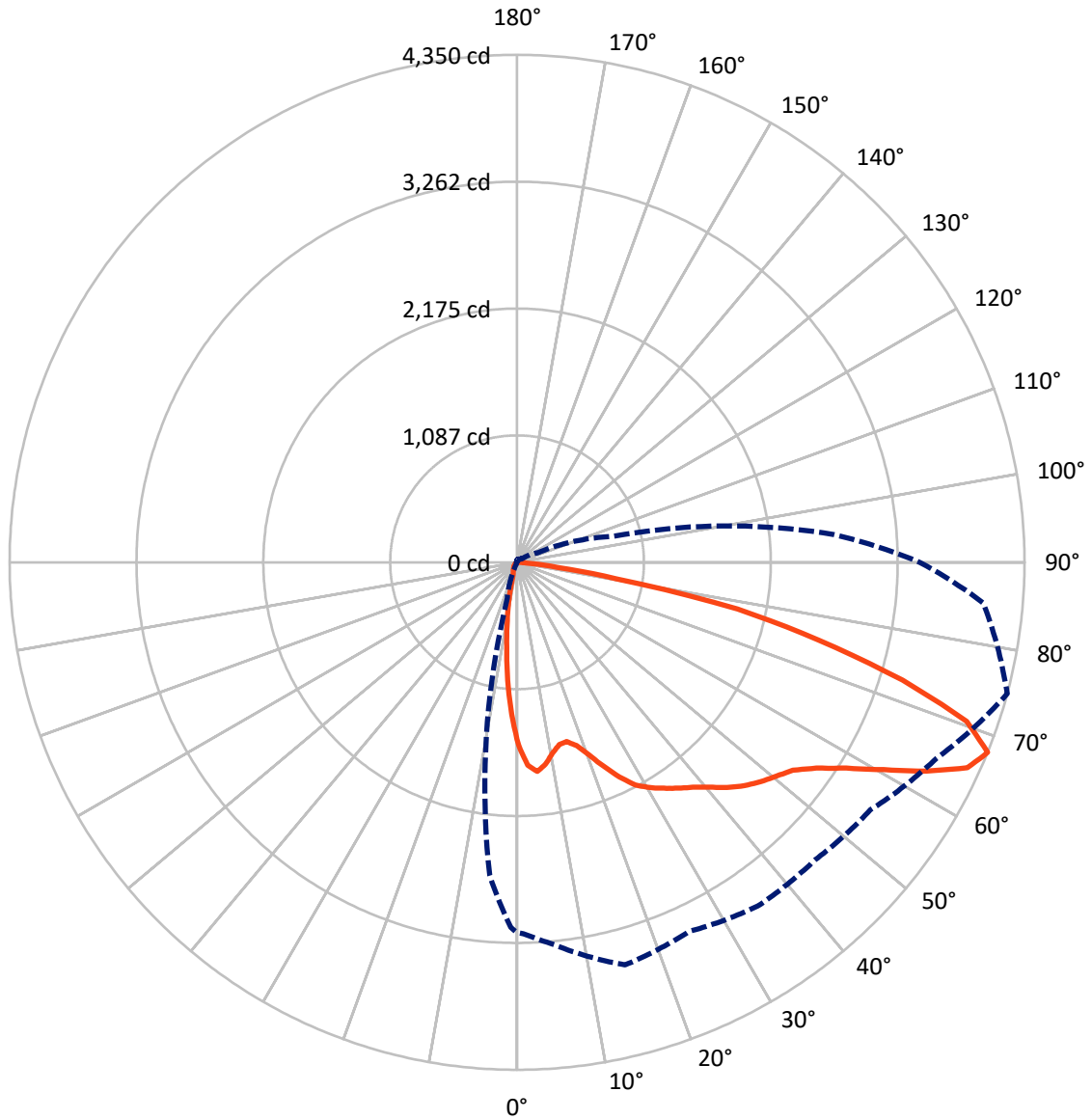
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.4 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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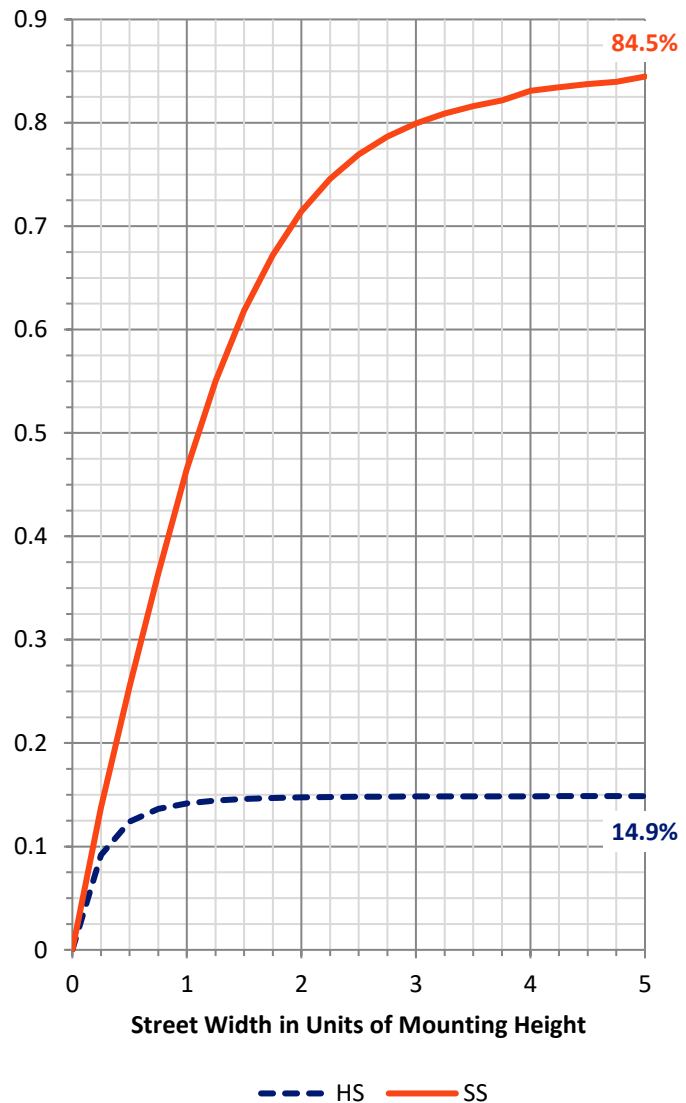
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	702.7	0.0	702.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	3980.3	0.0	3980.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	4683.0	0.0	4683.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	2.5
10°-20°	234.7	5.0
20°-30°	332.0	7.1
30°-40°	488.1	10.4
40°-50°	701.5	15.0
50°-60°	987.6	21.1
60°-70°	1153.4	24.6
70°-80°	588.4	12.6
80°-90°	78.2	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°	4683.0	100.0
0°-180°	4683.0	100.0

Coefficient of Utilization

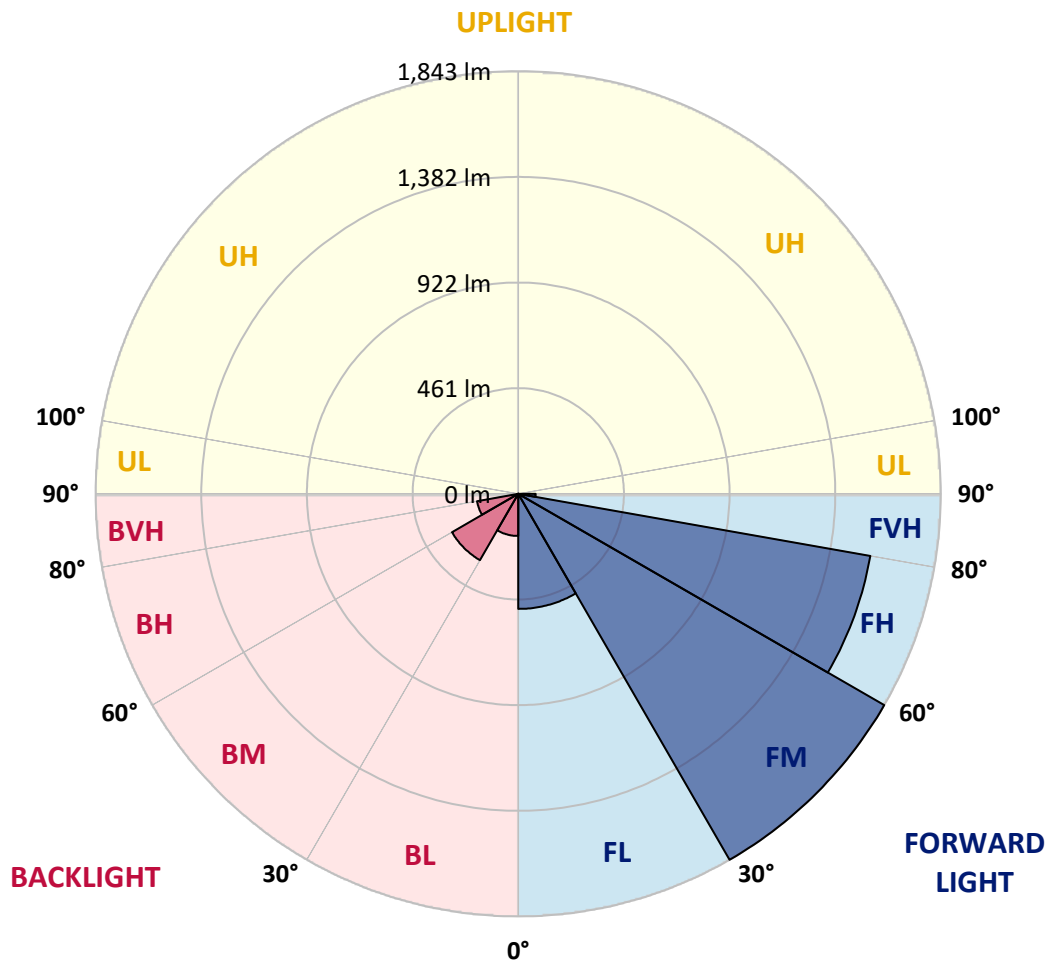


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	502.0	10.7			
FM (30°-60°)	1843.1	39.4			
FH (60°-80°)	1559.3	33.3			G1/1800
FVH (80°-90°)	75.8	1.6			G1/100
BL (0°-30°)	183.8	3.9	B1/500		
BM (30°-60°)	334.1	7.1	B1/1000		
BH (60°-80°)	182.5	3.9	B1/500		G1/500
BVH (80°-90°)	2.4	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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1
2.5°	1703.1	1705.7	1719.5	1751.4	1786.3	1788.9	1812.4	1788.2	1780.0	1741.0	1700.6
5°	1715.9	1726.1	1773.4	1867.2	1948.6	1974.8	1993.4	1946.0	1896.1	1800.7	1698.8
7.5°	1612.3	1629.4	1703.7	1879.9	2025.4	2089.7	2101.9	2027.6	1905.4	1748.3	1595.2
10°	1479.7	1499.2	1588.8	1805.3	2005.2	2115.5	2132.3	2034.9	1859.2	1663.6	1483.2
12.5°	1372.3	1395.1	1486.8	1721.5	1935.8	2057.8	2091.1	2010.3	1819.3	1603.5	1406.7
15°	1322.8	1349.0	1445.3	1667.3	1858.8	1954.8	1982.4	1947.5	1797.1	1593.9	1388.9
17.5°	1351.2	1379.6	1479.0	1672.0	1786.5	1827.5	1849.7	1863.9	1797.1	1651.4	1440.8
20°	1467.7	1498.3	1603.5	1719.3	1726.6	1711.3	1735.0	1784.9	1818.0	1760.5	1565.5
22.5°	1628.7	1664.7	1783.4	1800.2	1697.3	1639.4	1642.5	1720.8	1855.9	1898.9	1738.6
25°	1825.1	1869.0	1989.7	1920.9	1709.5	1596.6	1595.5	1668.0	1893.0	2037.6	1931.3
27.5°	2020.1	2068.4	2174.5	2068.2	1759.9	1588.8	1586.6	1652.0	1929.1	2160.9	2141.9
30°	2183.6	2230.6	2322.0	2174.9	1814.2	1607.0	1596.4	1669.1	1950.6	2241.0	2295.4
32.5°	2316.7	2354.4	2428.3	2248.3	1872.3	1642.3	1619.2	1714.8	1987.2	2308.7	2436.5
35°	2463.1	2502.8	2532.3	2318.2	1937.5	1693.1	1660.0	1787.4	2043.6	2377.5	2591.1
37.5°	2630.1	2669.6	2666.1	2382.1	2020.3	1777.2	1756.1	1902.3	2131.2	2445.6	2763.7
40°	2793.6	2834.0	2805.2	2452.0	2117.5	1915.8	1900.3	2074.9	2248.6	2532.7	2966.0
42.5°	2946.7	2990.4	2928.7	2518.1	2233.3	2090.6	2117.2	2297.1	2395.4	2640.1	3140.4
45°	3070.0	3114.6	3032.3	2582.4	2355.3	2302.7	2382.8	2543.4	2572.0	2730.8	3258.2
47.5°	3159.7	3201.8	3104.2	2646.8	2511.4	2562.0	2701.6	2801.6	2731.5	2809.6	3341.8
50°	3216.9	3249.7	3125.3	2727.3	2716.4	2864.6	3033.7	3082.5	2881.7	2880.6	3443.4
52.5°	3253.3	3268.1	3140.8	2811.4	2930.3	3194.0	3358.9	3374.2	3036.3	2958.7	3580.3
55°	3378.6	3390.6	3250.8	2913.2	3107.1	3482.7	3653.0	3638.8	3211.3	3111.5	3741.8
57.5°	3592.5	3605.1	3478.2	3059.6	3250.2	3661.0	3866.2	3891.7	3416.5	3326.3	3914.8
60°	3699.8	3723.4	3678.1	3245.1	3388.8	3775.0	4011.5	4092.9	3673.0	3609.3	4082.5
62.5°	3602.4	3636.6	3702.3	3450.7	3526.6	3837.8	4056.8	4165.0	3935.7	3939.2	4185.9
65°	3408.1	3435.4	3546.8	3563.4	3606.4	3830.1	3945.0	4064.3	4096.5	4242.2	4180.3
67.5°	3173.4	3183.6	3278.1	3572.3	3490.6	3596.7	3609.1	3697.4	3969.4	4349.6	4012.4
70°	2835.6	2841.1	2923.6	3275.2	2999.7	3023.0	3004.6	3022.6	3412.6	4088.1	3588.5
72.5°	2282.1	2296.0	2413.4	2720.0	2185.3	2118.1	2262.8	2254.8	2628.1	3453.8	2665.2
75°	1680.2	1704.4	1881.6	2190.9	1533.8	1387.4	1493.0	1521.2	1868.3	2671.6	1666.7
77.5°	1176.4	1194.4	1366.1	1610.6	1110.1	992.1	953.9	987.4	1233.2	1932.7	839.7
80°	677.7	684.4	794.0	930.0	748.0	855.9	775.3	798.4	738.9	859.8	361.2
82.5°	443.5	444.6	487.4	553.5	465.9	541.3	400.6	512.2	454.5	345.4	117.6
85°	239.6	240.9	282.6	392.9	263.8	149.1	87.6	179.9	281.1	79.2	32.2
87.5°	26.4	24.2	85.2	142.9	73.2	13.5	4.7	20.2	45.0	5.1	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°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1
2.5°	1680.0	1661.6	1615.7	1567.1	1528.0	1491.4	1454.6	1409.6	1374.7	1367.6	1356.1
5°	1644.1	1585.7	1489.4	1392.7	1314.8	1216.6	1154.2	1105.6	1058.2	1055.3	1045.8
7.5°	1518.5	1441.7	1306.2	1172.4	1062.8	969.2	874.7	811.5	761.8	744.3	733.8
10°	1397.8	1311.5	1142.3	989.6	891.8	809.0	742.5	676.4	616.5	575.2	556.6
12.5°	1313.5	1218.1	1031.6	900.0	829.9	751.4	670.2	587.7	518.7	469.0	438.6
15°	1280.9	1179.1	994.5	864.5	778.0	678.6	574.8	480.5	404.0	358.9	331.6
17.5°	1319.7	1201.3	991.6	821.2	700.3	576.8	462.1	350.7	278.6	244.5	226.9
20°	1418.2	1271.8	990.5	768.2	608.1	456.1	313.0	230.7	187.0	167.9	159.7
22.5°	1557.5	1361.9	999.4	715.9	512.0	325.9	216.1	169.5	147.1	136.9	132.2
25°	1736.8	1488.3	1024.5	668.4	421.7	243.1	168.4	142.0	126.2	118.2	114.9
27.5°	1927.8	1633.8	1063.5	627.1	348.3	193.9	144.2	121.6	110.3	104.7	101.6
30°	2085.3	1802.4	1103.0	581.2	295.0	169.0	132.0	110.9	97.8	94.3	91.4
32.5°	2223.1	1930.0	1130.9	539.7	260.2	150.2	119.3	99.2	90.3	83.4	80.3
35°	2365.7	2036.3	1130.0	510.7	236.3	136.0	108.7	88.7	78.1	70.1	67.7
37.5°	2520.1	2156.3	1110.7	485.8	225.8	124.7	102.7	83.2	72.5	64.6	61.4
40°	2700.9	2282.3	1091.0	462.5	222.9	115.6	98.5	78.8	67.4	59.7	56.6
42.5°	2877.0	2395.9	1073.7	445.2	210.5	115.4	94.7	75.4	63.4	55.9	52.4
45°	3017.9	2501.7	1070.4	434.8	197.4	119.3	92.7	73.2	60.3	52.8	49.5
47.5°	3135.0	2616.6	1091.7	427.5	185.0	108.9	97.6	71.7	57.5	50.1	46.4
50°	3274.3	2757.7	1141.8	415.5	171.9	98.1	111.8	72.1	55.0	47.5	43.5
52.5°	3468.7	2952.9	1215.5	395.3	154.0	88.1	110.0	72.5	52.4	44.6	40.6
55°	3686.5	3196.7	1294.7	361.8	128.9	75.0	94.3	69.4	47.3	41.5	37.7
57.5°	3915.5	3417.9	1341.7	321.9	102.5	64.8	75.4	63.2	41.7	37.3	34.8
60°	3951.4	3502.0	1320.2	272.9	81.4	56.3	55.9	64.3	37.3	32.8	31.1
62.5°	3862.0	3396.4	1216.1	229.2	68.1	49.5	45.9	56.1	33.7	29.3	27.5
65°	3690.1	3110.9	1047.5	206.5	63.2	42.4	38.2	39.5	29.5	25.5	24.0
67.5°	3450.9	2729.7	860.1	193.7	62.6	36.4	32.6	29.9	25.5	22.2	20.9
70°	2962.0	2274.1	686.1	186.6	60.8	30.6	27.5	24.4	21.3	18.9	17.7
72.5°	2180.0	1611.4	533.7	178.8	61.2	24.4	24.0	20.2	17.1	14.6	14.2
75°	1259.6	920.6	350.1	144.9	58.3	18.9	20.0	14.2	12.0	10.2	10.2
77.5°	671.3	561.5	133.3	60.3	21.3	12.0	11.3	8.4	7.5	6.2	6.0
80°	292.6	247.1	40.2	16.9	11.8	6.4	4.2	3.8	3.3	2.7	2.4
82.5°	103.6	89.4	13.1	8.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	23.5	16.9	0.0	2.0	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°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1
2.5°	1332.6	1327.7	1298.9	1300.0	1305.1	1312.4	1295.1	1303.1	1324.6	1345.2	1353.0
5°	1030.4	1031.6	1014.0	1024.9	1034.7	1041.3	1013.4	1013.8	1030.9	1054.2	1066.4
7.5°	726.1	724.3	725.2	751.1	769.6	756.3	766.7	730.5	732.7	749.4	737.0
10°	539.7	515.3	501.6	521.1	541.3	534.0	516.0	504.2	512.4	530.9	529.5
12.5°	424.2	389.1	368.5	354.5	371.1	357.4	356.9	346.7	335.6	337.6	367.1
15°	319.0	293.5	269.1	246.7	246.2	241.6	217.8	191.2	189.0	190.3	205.6
17.5°	219.4	210.7	200.8	181.5	176.4	156.8	133.8	123.1	117.8	120.2	125.3
20°	154.2	150.9	152.0	141.5	134.2	115.6	102.0	97.8	96.9	99.4	101.8
22.5°	127.8	121.8	121.1	116.5	109.1	95.6	88.3	85.9	84.7	87.0	88.7
25°	111.8	105.8	103.4	100.5	92.7	83.4	79.0	76.8	75.6	77.0	78.1
27.5°	98.5	93.0	90.7	88.7	81.2	74.5	71.0	69.0	68.1	68.5	69.7
30°	88.5	83.6	80.7	78.3	71.9	67.2	64.1	62.1	61.2	61.2	62.3
32.5°	78.1	75.4	72.8	69.7	63.7	60.6	57.5	55.2	54.4	54.6	55.5
35°	65.0	64.1	64.8	61.9	56.8	54.1	51.0	48.6	47.9	48.1	49.0
37.5°	57.7	53.7	56.1	54.6	51.7	48.1	44.1	41.9	40.8	41.5	41.9
40°	53.0	48.1	46.4	47.9	47.5	41.7	38.2	35.9	35.1	35.3	35.7
42.5°	49.0	43.3	39.3	39.0	41.7	36.4	32.6	30.6	29.5	29.5	29.9
45°	45.3	39.0	34.2	30.4	35.1	30.8	27.3	25.5	24.2	24.2	24.4
47.5°	42.4	35.5	29.7	24.8	26.4	25.3	22.4	20.6	19.3	19.3	19.5
50°	39.7	31.9	25.7	20.9	19.7	20.9	18.2	16.2	15.3	15.1	15.5
52.5°	36.8	28.4	22.0	17.7	15.5	15.8	14.2	12.9	11.8	11.8	12.2
55°	33.9	25.5	19.1	15.1	12.9	11.8	11.3	10.4	9.5	9.5	10.0
57.5°	31.1	22.4	16.2	12.4	10.2	9.3	9.3	8.7	8.0	8.0	8.4
60°	28.4	19.3	13.3	10.2	8.0	7.8	8.0	7.3	6.9	6.9	7.3
62.5°	25.3	16.4	10.9	8.4	6.4	6.2	6.9	6.4	6.0	6.0	6.4
65°	21.5	14.0	8.7	6.4	4.9	4.9	5.8	5.3	4.9	4.9	5.3
67.5°	18.2	11.8	6.7	4.7	3.5	3.8	4.9	4.4	4.2	4.2	4.7
70°	15.1	9.1	4.7	2.9	2.0	2.9	3.8	3.8	3.8	3.8	4.2
72.5°	11.3	6.2	2.7	1.1	0.9	2.0	3.1	3.5	3.3	3.3	4.0
75°	7.3	3.5	0.9	0.0	0.0	1.1	2.4	2.9	2.9	2.7	3.3
77.5°	4.2	1.1	0.0	0.0	0.0	0.0	1.6	1.3	1.1	0.9	1.6
80°	1.1	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°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1
2.5°	1384.3	1410.5	1447.3	1486.3	1546.4	1594.1	1640.9	1681.1	1696.6	1703.1
5°	1095.7	1134.0	1187.9	1257.2	1365.6	1463.3	1562.2	1661.8	1705.1	1715.9
7.5°	786.2	835.2	903.8	990.5	1117.6	1244.1	1382.3	1528.5	1595.5	1612.3
10°	581.9	641.8	720.3	811.7	933.1	1063.1	1213.7	1380.7	1457.3	1479.7
12.5°	412.8	493.8	599.0	710.1	815.3	931.3	1083.7	1267.8	1348.1	1372.3
15°	242.5	320.8	445.2	594.1	728.7	846.3	1001.2	1209.9	1298.4	1322.8
17.5°	139.1	178.1	272.2	438.1	620.9	783.8	975.2	1224.3	1328.6	1351.2
20°	106.3	118.7	156.8	282.2	494.9	722.3	975.2	1306.0	1434.4	1467.7
22.5°	93.0	102.0	117.6	168.4	364.3	656.4	986.5	1424.0	1591.9	1628.7
25°	82.5	90.7	104.0	126.7	248.5	578.1	1013.4	1568.8	1777.4	1825.1
27.5°	73.9	81.6	93.6	110.9	169.9	483.6	1049.5	1738.8	1981.9	2020.1
30°	66.1	73.4	84.3	96.5	131.1	376.5	1080.4	1898.9	2142.5	2183.6
32.5°	58.8	65.4	75.2	84.3	107.4	278.4	1083.7	2025.8	2275.9	2316.7
35°	51.9	57.9	66.8	73.9	89.0	219.8	1032.0	2135.9	2409.2	2463.1
37.5°	45.3	51.0	58.8	64.1	78.3	179.2	953.0	2258.5	2580.2	2630.1
40°	39.0	44.1	52.1	55.7	74.1	137.8	867.2	2387.2	2747.9	2793.6
42.5°	33.3	38.2	45.9	52.8	65.0	102.9	774.4	2507.9	2898.8	2946.7
45°	27.7	32.8	40.6	55.9	53.9	77.0	675.3	2588.0	3017.9	3070.0
47.5°	22.4	28.2	38.8	53.2	43.0	56.6	596.7	2663.8	3108.2	3159.7
50°	18.0	23.7	43.7	47.5	35.3	43.3	563.9	2731.7	3167.4	3216.9
52.5°	14.6	20.0	41.3	36.4	29.5	35.7	581.7	2841.8	3222.2	3253.3
55°	12.2	15.8	24.8	25.3	25.1	30.4	603.6	2999.7	3364.0	3378.6
57.5°	10.6	12.6	17.3	19.5	21.1	27.1	604.1	3226.4	3583.4	3592.5
60°	9.1	11.1	14.4	15.8	18.2	24.2	582.1	3305.6	3669.7	3699.8
62.5°	8.0	9.8	12.0	13.1	15.3	21.7	530.6	3190.9	3551.2	3602.4
65°	7.1	8.9	10.0	11.1	13.5	19.5	445.9	2961.6	3354.7	3408.1
67.5°	6.2	7.8	8.9	10.0	12.2	17.3	328.3	2695.1	3129.0	3173.4
70°	5.5	6.9	8.0	8.9	10.6	14.6	199.2	2286.9	2817.1	2835.6
72.5°	5.3	6.2	7.3	8.0	9.3	12.9	100.9	1680.7	2252.1	2282.1
75°	4.7	5.5	6.7	7.1	8.2	11.1	41.0	1103.9	1632.1	1680.2
77.5°	3.8	5.1	6.0	6.4	7.1	9.1	20.9	705.4	1145.4	1176.4
80°	1.3	3.8	5.1	5.3	6.0	6.7	13.8	386.2	664.4	677.7
82.5°	0.0	2.4	4.0	3.8	4.2	5.1	8.9	183.7	438.6	443.5
85°	0.0	1.1	3.1	2.4	1.8	3.5	3.1	40.2	230.0	239.6
87.5°	0.0	0.0	0.2	1.1	0.9	1.3	0.4	0.2	20.9	26.4
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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