

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: P385720

Luminaire Tested: GAW-SA1B-740-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385720
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-SA1B-740-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 4524 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

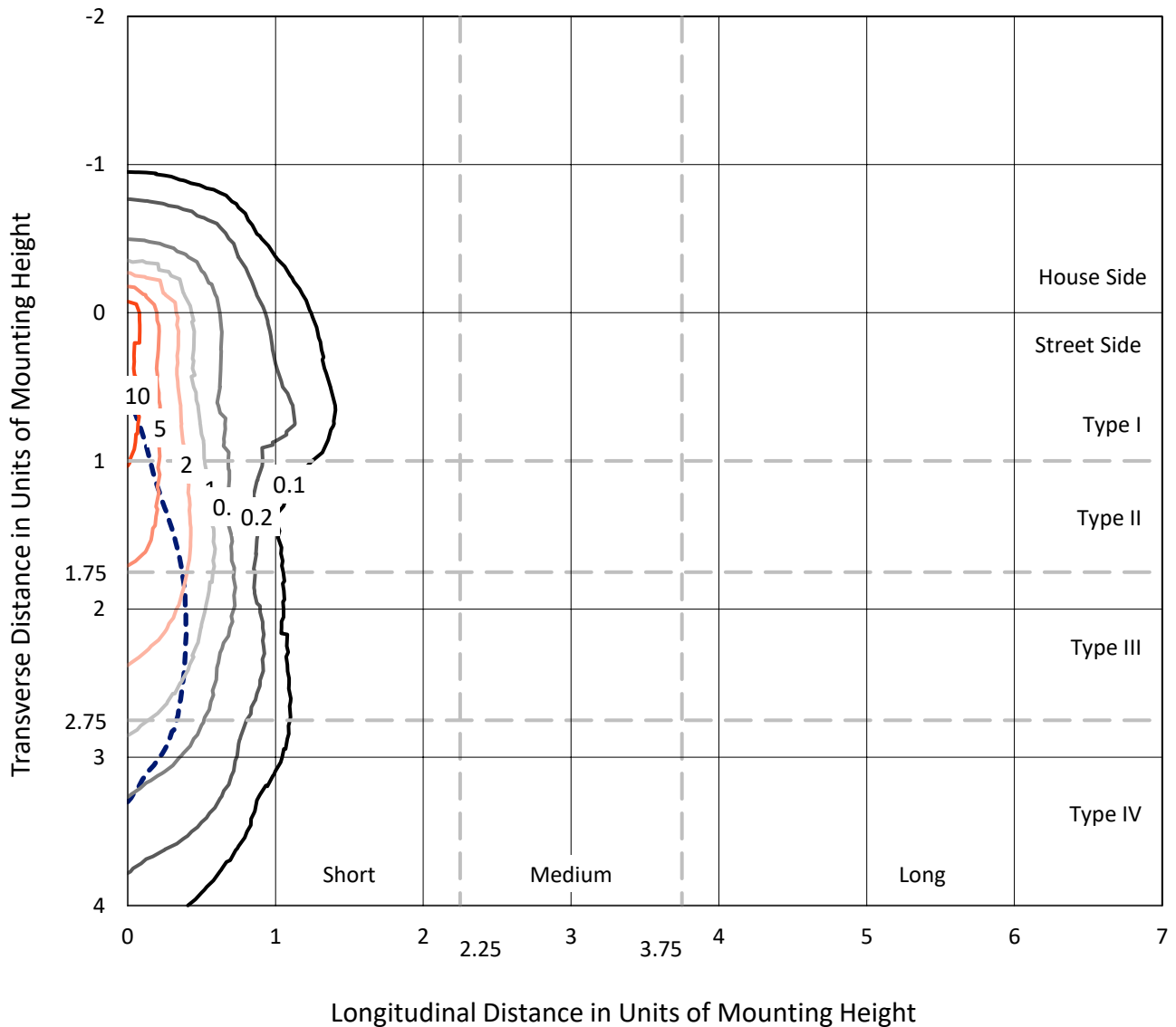
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

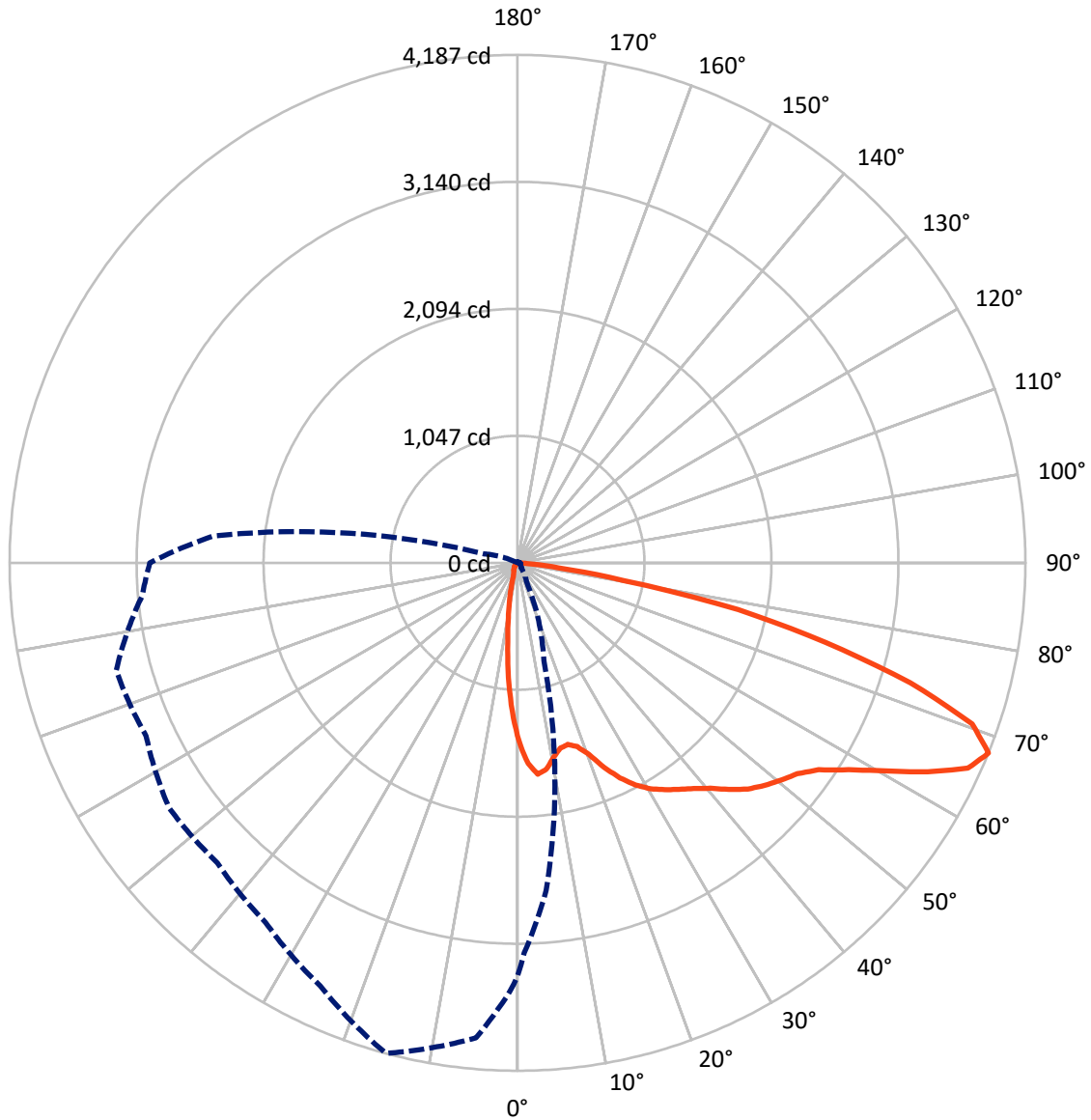
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 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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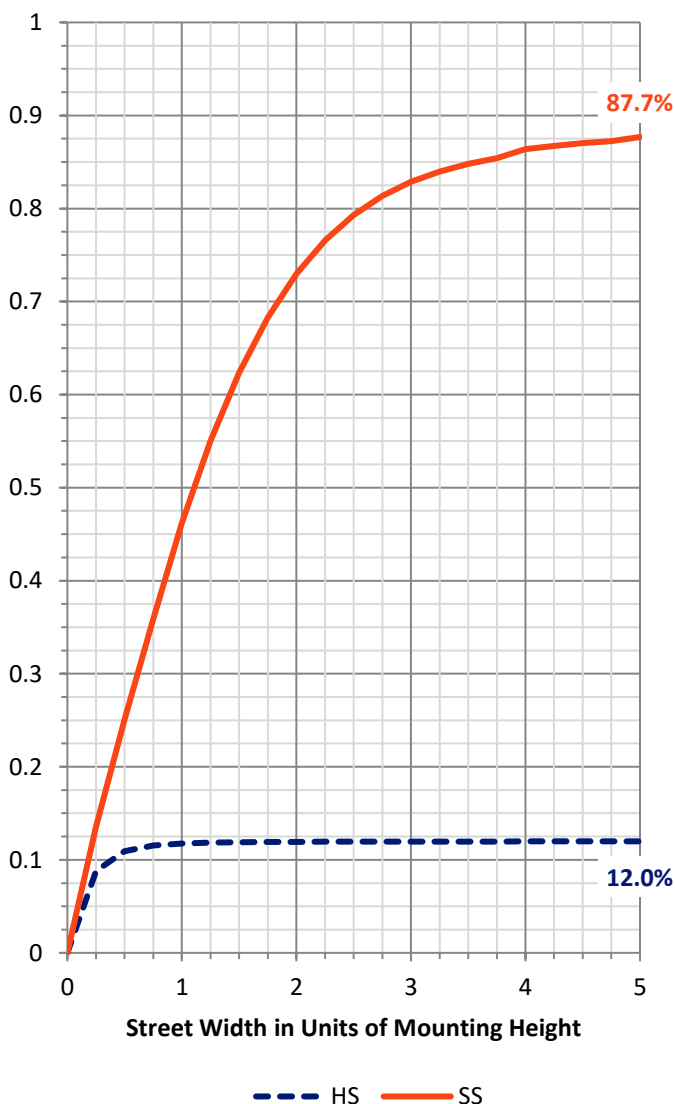
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	547.6	0.0	547.6
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	3976.4	0.0	3976.4
	% Fixture	87.9	0.0	87.9
Total	Lumens	4524.0	0.0	4524.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	2.5
10°-20°	225.1	5.0
20°-30°	319.7	7.1
30°-40°	472.2	10.4
40°-50°	681.0	15.1
50°-60°	956.0	21.1
60°-70°	1114.4	24.6
70°-80°	569.7	12.6
80°-90°	72.8	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°	4524.0	100.0
0°-180°	4524.0	100.0

Coefficient of Utilization

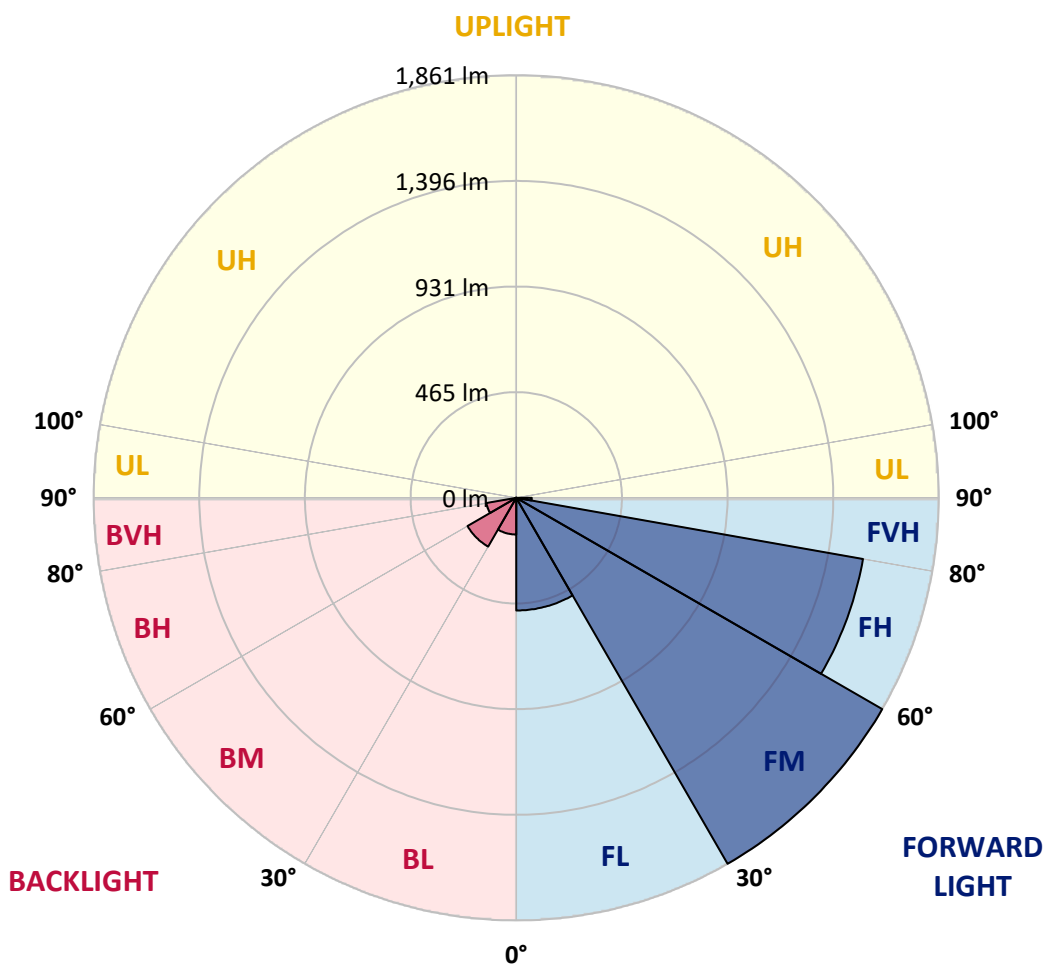


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	496.2	11.0			
FM (30°-60°)	1861.2	41.1			
FH (60°-80°)	1550.7	34.3			G1/1800
FVH (80°-90°)	68.3	1.5			G1/100
BL (0°-30°)	161.7	3.6	B1/500		
BM (30°-60°)	247.9	5.5	B1/1000		
BH (60°-80°)	133.5	2.9	B1/500		G1/500
BVH (80°-90°)	4.4	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7
2.5°	1613.6	1601.2	1587.5	1542.7	1501.1	1453.5	1414.7	1387.7	1353.9	1309.9	1298.8
5°	1602.1	1588.8	1545.7	1446.0	1358.8	1273.9	1192.1	1144.1	1084.5	1024.0	1009.0
7.5°	1485.7	1471.8	1409.6	1273.1	1155.6	1033.0	926.7	860.9	793.6	738.3	709.0
10°	1364.6	1349.4	1279.5	1113.8	969.2	858.4	780.3	717.6	653.9	594.7	547.6
12.5°	1281.2	1261.3	1185.4	997.7	871.7	796.4	723.6	648.3	562.2	498.7	446.9
15°	1246.3	1223.6	1143.4	952.9	837.1	748.8	653.9	561.5	460.6	387.9	340.3
17.5°	1273.3	1243.7	1157.8	949.9	793.9	673.6	553.6	445.1	335.6	262.1	228.3
20°	1365.0	1326.2	1217.1	949.0	741.3	584.2	432.1	309.5	221.2	177.9	160.1
22.5°	1509.5	1458.3	1302.4	955.9	687.1	490.4	312.1	210.3	166.1	143.6	133.1
25°	1683.9	1624.6	1425.2	980.1	639.5	399.1	226.8	166.1	140.2	123.7	114.9
27.5°	1849.8	1801.6	1580.4	1015.0	602.7	325.3	184.1	140.8	119.8	108.9	101.8
30°	2015.5	1954.8	1739.7	1056.6	558.3	275.4	161.8	128.4	107.4	95.8	91.3
32.5°	2135.9	2085.6	1864.4	1086.6	510.9	242.8	144.7	117.4	100.3	88.5	81.9
35°	2277.6	2220.6	1971.3	1093.3	480.5	222.3	130.1	105.7	87.0	76.5	69.4
37.5°	2430.6	2359.7	2094.8	1078.7	456.7	212.2	119.2	100.3	81.2	70.5	63.0
40°	2600.0	2519.8	2213.3	1057.7	433.4	208.8	110.8	96.2	76.7	65.8	58.1
42.5°	2778.3	2683.8	2316.0	1035.6	418.6	197.0	109.9	92.2	73.3	61.5	53.8
45°	2928.1	2832.3	2421.4	1028.3	408.1	184.1	113.6	89.4	70.9	58.1	50.6
47.5°	3047.5	2956.8	2529.4	1044.6	402.1	172.3	103.5	93.0	69.7	55.1	47.8
50°	3190.0	3087.3	2681.6	1093.3	393.3	160.5	93.7	106.5	69.7	53.2	45.4
52.5°	3368.7	3267.1	2851.4	1168.7	375.7	144.2	84.2	106.7	70.3	50.6	42.4
55°	3593.6	3519.8	3093.8	1251.4	347.6	120.2	72.9	91.7	67.7	45.9	39.6
57.5°	3809.2	3748.9	3314.7	1308.0	310.1	93.9	63.4	73.9	61.9	40.3	35.4
59°	3868.1	3802.3	3395.7	1310.6	282.0	81.9	58.7	61.1	60.7	37.7	32.8
60°	3868.1	3798.2	3419.1	1296.9	261.7	75.2	55.7	54.4	63.2	36.0	31.3
62.5°	3798.0	3699.9	3343.2	1204.1	213.5	64.1	48.7	45.0	56.8	32.4	27.6
65°	3652.3	3509.3	3084.8	1036.3	190.3	58.7	42.0	36.9	39.4	28.5	24.2
67.5°	3409.2	3215.5	2712.0	837.1	181.1	57.2	36.2	31.3	29.8	24.4	21.2
70°	2981.2	2766.3	2259.6	658.2	173.2	56.6	30.4	26.4	24.0	20.6	18.0
72.5°	2169.8	1945.6	1604.2	514.6	168.5	57.9	24.4	22.1	19.7	16.1	13.9
75°	1241.1	1094.3	901.7	339.9	143.6	55.3	18.9	18.4	14.1	11.6	9.6
77.5°	641.3	621.8	540.3	130.5	68.8	24.2	12.4	10.7	8.4	7.1	5.8
80°	276.7	273.7	236.8	37.7	18.2	13.5	7.1	4.5	3.9	3.0	2.4
82.5°	95.6	95.6	84.2	12.6	8.1	6.6	0.9	0.0	0.0	0.0	0.0
85°	19.3	21.6	15.2	0.0	2.8	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°	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7
2.5°	1285.3	1259.4	1257.6	1241.4	1221.0	1211.8	1206.4	1215.9	1227.4	1228.7	1246.1
5°	997.7	970.5	981.8	952.9	958.7	952.9	943.4	945.2	950.3	934.2	954.2
7.5°	700.6	680.0	693.1	685.4	695.7	699.8	694.0	685.4	660.1	657.1	674.5
10°	528.1	504.7	490.8	476.2	479.4	486.1	483.9	477.7	461.7	462.5	479.2
12.5°	424.4	398.2	370.6	334.8	326.0	330.9	326.0	322.3	306.9	308.2	323.0
15°	321.9	300.5	271.5	242.8	227.2	228.7	215.0	205.3	195.7	184.1	193.1
17.5°	217.3	204.2	195.7	187.1	168.5	164.2	146.8	128.2	120.9	115.5	119.4
20°	153.9	146.8	143.4	143.0	132.2	126.9	109.9	98.4	94.7	93.7	96.0
22.5°	128.6	123.5	118.5	115.7	110.4	104.2	91.3	85.5	82.9	81.7	83.4
25°	111.9	108.0	102.9	98.2	96.0	89.4	80.2	75.9	74.2	72.9	73.7
27.5°	99.4	96.0	90.0	87.0	85.3	79.5	71.6	68.2	66.7	66.2	66.0
30°	89.6	86.4	80.8	77.4	74.4	69.2	64.5	61.1	59.6	59.2	58.7
32.5°	79.7	77.2	73.5	70.1	66.9	62.2	58.1	55.3	52.9	52.5	52.3
35°	67.3	64.7	62.8	62.6	59.6	55.1	52.1	48.4	46.5	45.9	46.1
37.5°	59.8	56.4	52.1	53.6	52.7	49.5	45.4	41.8	39.9	39.4	39.4
40°	55.1	51.4	46.5	43.9	46.5	45.9	39.4	35.8	33.9	33.6	33.2
42.5°	50.6	46.9	41.4	37.1	38.4	40.3	34.1	30.6	28.7	28.3	27.6
45°	47.4	43.5	37.3	32.4	29.8	33.9	29.1	24.9	23.8	22.9	22.5
47.5°	44.4	40.7	33.6	28.1	23.8	24.4	23.4	20.4	19.1	18.2	18.0
50°	41.8	37.9	30.4	24.0	19.7	18.0	18.9	16.1	15.0	14.1	13.7
52.5°	38.8	35.1	27.0	20.8	16.5	14.1	14.4	12.6	11.6	10.9	10.7
55°	36.4	32.8	24.2	18.2	14.6	11.6	10.3	9.9	9.2	8.8	8.6
57.5°	33.2	29.8	21.4	15.4	12.4	9.4	7.9	7.9	7.7	7.3	7.1
59°	31.3	28.3	19.7	13.9	11.4	8.1	7.1	7.3	7.1	6.6	6.4
60°	29.8	27.0	18.4	12.9	10.7	7.5	6.4	6.9	6.6	6.2	6.0
62.5°	26.4	24.4	15.9	10.7	9.4	6.0	5.4	5.8	5.8	5.6	5.4
65°	23.1	21.0	13.5	9.0	8.8	5.1	4.3	5.1	5.4	4.9	4.5
67.5°	20.1	18.0	11.8	7.3	8.1	4.1	3.2	4.3	5.8	4.5	4.1
70°	17.1	15.0	9.2	5.8	8.6	2.8	2.6	3.9	6.9	4.9	3.9
72.5°	13.3	11.6	6.4	4.3	9.2	1.9	1.9	3.2	7.7	5.4	3.6
75°	9.2	7.5	3.9	2.6	7.5	1.3	1.3	3.0	7.3	4.9	3.4
77.5°	5.4	4.1	1.3	0.2	3.9	0.0	0.2	2.1	5.1	3.0	1.5
80°	1.9	0.9	0.0	0.0	2.4	0.0	0.0	0.0	0.4	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°	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7
2.5°	1250.6	1279.5	1305.4	1344.7	1391.2	1444.8	1490.8	1540.3	1586.8	1606.1	1619.4
5°	958.2	994.0	1035.8	1093.5	1170.2	1264.7	1353.2	1453.3	1560.9	1614.7	1665.3
7.5°	677.5	713.9	765.8	827.1	919.9	1032.4	1148.1	1286.4	1432.1	1517.2	1601.0
10°	487.2	531.9	580.4	664.2	758.5	865.2	984.4	1138.7	1301.2	1395.5	1496.4
12.5°	331.6	382.6	455.9	549.7	660.5	765.1	868.7	1015.9	1204.5	1297.9	1406.2
15°	198.9	227.2	304.8	413.4	549.3	679.6	793.0	940.7	1141.7	1256.1	1368.7
17.5°	122.6	135.7	177.9	267.0	409.8	574.6	730.0	915.2	1150.7	1290.0	1410.5
20°	97.7	102.9	116.4	157.7	271.5	458.9	659.0	910.0	1224.2	1395.7	1524.9
22.5°	84.9	89.8	98.8	114.7	170.8	343.6	591.7	914.7	1329.7	1554.1	1704.9
25°	74.8	79.1	87.7	100.7	125.2	242.0	519.7	935.7	1467.0	1750.6	1910.9
27.5°	66.9	70.5	78.4	90.4	107.4	168.9	438.1	961.2	1629.9	1951.6	2109.8
30°	59.6	62.8	69.9	81.0	93.2	129.9	348.5	978.6	1793.0	2109.8	2251.9
32.5°	53.4	55.7	62.2	71.6	81.0	103.5	264.9	975.8	1914.1	2241.4	2354.1
35°	46.9	49.3	54.9	63.0	70.5	85.5	208.3	923.7	2019.6	2377.9	2471.1
37.5°	39.9	42.9	48.2	55.5	60.7	75.2	168.5	860.9	2126.5	2533.9	2601.7
40°	33.9	36.9	41.6	49.5	52.7	71.4	129.5	784.4	2246.7	2708.4	2744.8
42.5°	28.1	30.9	35.8	42.7	49.7	61.5	95.8	697.0	2362.3	2857.6	2875.4
45°	22.7	25.5	30.6	37.5	53.2	51.0	74.2	603.3	2455.5	2981.7	2987.4
47.5°	18.0	20.6	25.9	35.4	49.5	40.7	52.9	529.8	2533.7	3078.5	3063.3
50°	13.9	16.1	21.6	40.5	43.3	33.6	40.1	505.4	2603.8	3138.5	3099.1
52.5°	10.9	12.9	17.8	37.9	33.6	27.9	33.6	528.3	2699.8	3188.3	3119.3
55°	8.8	10.7	13.9	21.6	22.9	23.6	28.7	549.7	2865.5	3304.9	3238.2
57.5°	7.3	9.2	11.4	15.2	17.4	19.9	25.5	552.1	3060.7	3498.6	3435.6
59°	6.6	8.4	10.3	13.5	15.2	18.2	24.0	539.2	3129.5	3569.1	3537.6
60°	6.2	7.9	9.6	12.4	14.1	17.1	23.1	527.0	3132.5	3566.5	3581.1
62.5°	5.4	7.1	8.6	10.5	12.0	14.6	20.8	481.8	3005.7	3449.7	3555.0
65°	4.7	6.2	7.7	9.0	10.3	13.1	18.9	399.3	2789.0	3261.4	3376.0
67.5°	4.3	5.4	7.1	7.9	9.2	11.6	16.7	284.6	2518.3	3031.0	3105.3
70°	3.9	5.1	6.4	7.3	8.4	10.1	14.4	163.5	2126.5	2693.6	2746.5
72.5°	3.6	4.9	5.8	6.9	7.5	9.0	13.1	76.9	1557.1	2157.8	2296.0
75°	3.2	4.5	5.4	6.4	7.1	8.1	11.1	36.9	1035.6	1561.6	1718.7
77.5°	1.9	3.6	4.9	5.8	6.2	7.1	9.2	21.2	661.0	1080.8	1273.1
80°	0.0	1.3	3.6	4.9	5.4	6.0	7.1	16.7	353.6	617.5	741.1
82.5°	0.0	0.0	2.6	3.9	3.6	4.1	5.4	10.5	159.5	403.6	454.8
85°	0.0	0.0	0.9	3.0	2.6	1.9	3.6	3.6	34.9	204.2	254.8
87.5°	0.0	0.0	0.0	0.2	1.3	0.9	1.5	0.4	0.2	15.2	61.7
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°	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7	1473.7
2.5°	1665.9	1681.8	1708.6	1721.2	1715.0	1688.7	1657.1	1625.0	1606.1	1613.6
5°	1768.4	1850.0	1897.2	1912.8	1886.7	1827.5	1750.2	1648.1	1611.9	1602.1
7.5°	1768.4	1922.0	2019.4	2036.5	1978.2	1862.3	1717.2	1557.9	1505.0	1485.7
10°	1706.2	1915.4	2051.1	2078.3	1996.8	1823.5	1629.1	1447.3	1384.5	1364.6
12.5°	1636.1	1861.4	2004.3	2041.9	1975.0	1784.9	1568.0	1372.5	1298.6	1281.2
15°	1593.1	1795.0	1913.3	1940.5	1912.2	1762.4	1553.4	1350.0	1263.0	1246.3
17.5°	1608.5	1743.5	1786.2	1802.0	1821.1	1754.4	1593.1	1399.3	1289.2	1273.3
20°	1666.6	1689.3	1667.2	1687.2	1738.6	1762.2	1687.6	1518.5	1386.2	1365.0
22.5°	1765.2	1661.2	1599.3	1607.2	1669.8	1787.7	1832.0	1688.7	1536.1	1509.5
25°	1880.0	1683.9	1561.6	1554.5	1618.8	1821.3	1964.1	1873.8	1713.3	1683.9
27.5°	2024.5	1734.9	1553.8	1546.8	1601.0	1852.8	2073.8	2056.9	1900.0	1849.8
30°	2135.9	1785.1	1576.8	1560.5	1618.8	1874.7	2161.9	2212.2	2048.7	2015.5
32.5°	2215.9	1844.2	1614.1	1590.5	1668.9	1912.4	2229.8	2354.6	2186.3	2135.9
35°	2276.8	1908.5	1674.3	1635.5	1737.9	1969.6	2293.5	2506.1	2332.7	2277.6
37.5°	2333.8	1998.8	1768.4	1722.1	1846.2	2061.8	2360.8	2678.0	2496.4	2430.6
40°	2413.3	2101.0	1913.5	1872.3	2028.1	2187.4	2444.8	2857.1	2682.7	2600.0
42.5°	2492.8	2210.7	2062.0	2073.1	2255.1	2340.0	2553.2	3046.6	2866.6	2778.3
45°	2565.4	2323.9	2273.5	2325.0	2465.8	2507.4	2661.0	3156.1	3013.4	2928.1
47.5°	2630.2	2465.4	2483.8	2620.7	2705.4	2658.9	2741.6	3250.6	3122.7	3047.5
50°	2705.4	2648.4	2760.9	2954.7	2981.2	2796.1	2814.9	3362.5	3250.4	3190.0
52.5°	2787.7	2841.3	3067.8	3238.6	3230.1	2945.0	2888.6	3487.9	3425.5	3368.7
55°	2881.1	2997.1	3338.1	3504.4	3497.1	3111.3	3010.8	3642.8	3645.0	3593.6
57.5°	3019.8	3131.3	3521.5	3719.4	3731.6	3303.4	3217.8	3816.4	3843.5	3809.2
59°	3119.3	3218.3	3594.2	3809.2	3858.9	3451.9	3369.2	3917.2	3899.4	3868.1
60°	3193.0	3273.6	3630.2	3856.1	3932.8	3552.6	3480.8	3976.3	3906.0	3868.1
62.5°	3375.4	3394.0	3695.1	3909.3	4017.9	3776.4	3795.0	4077.1	3860.0	3798.0
65°	3460.5	3470.1	3694.3	3814.1	3935.6	3950.6	4080.1	4080.1	3747.4	3652.3
67.5°	3424.9	3378.4	3511.0	3498.6	3619.9	3847.1	4187.2	3930.5	3532.3	3409.2
70°	3135.5	2956.6	2897.6	2903.0	2995.8	3346.2	3975.0	3490.2	3125.0	2981.2
72.5°	2609.0	2179.7	2034.1	2200.2	2224.5	2571.7	3387.6	2628.5	2304.6	2169.8
75°	2098.4	1536.5	1299.9	1475.2	1516.3	1882.0	2620.5	1637.0	1346.2	1241.1
77.5°	1507.5	1102.9	932.7	920.5	973.7	1193.6	1859.5	823.9	687.1	641.3
80°	856.4	725.9	781.6	737.5	764.3	746.3	883.4	361.3	296.0	276.7
82.5°	516.9	429.1	464.7	386.9	489.5	426.3	340.3	115.7	100.5	95.6
85°	336.3	234.5	122.2	81.9	168.7	272.4	76.1	31.5	24.2	19.3
87.5°	115.9	59.8	6.0	2.6	18.0	50.8	2.8	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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