

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: P385888

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385888
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-727-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 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: 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 IV - Medium
BUG Rating: B1 - U0 - G1

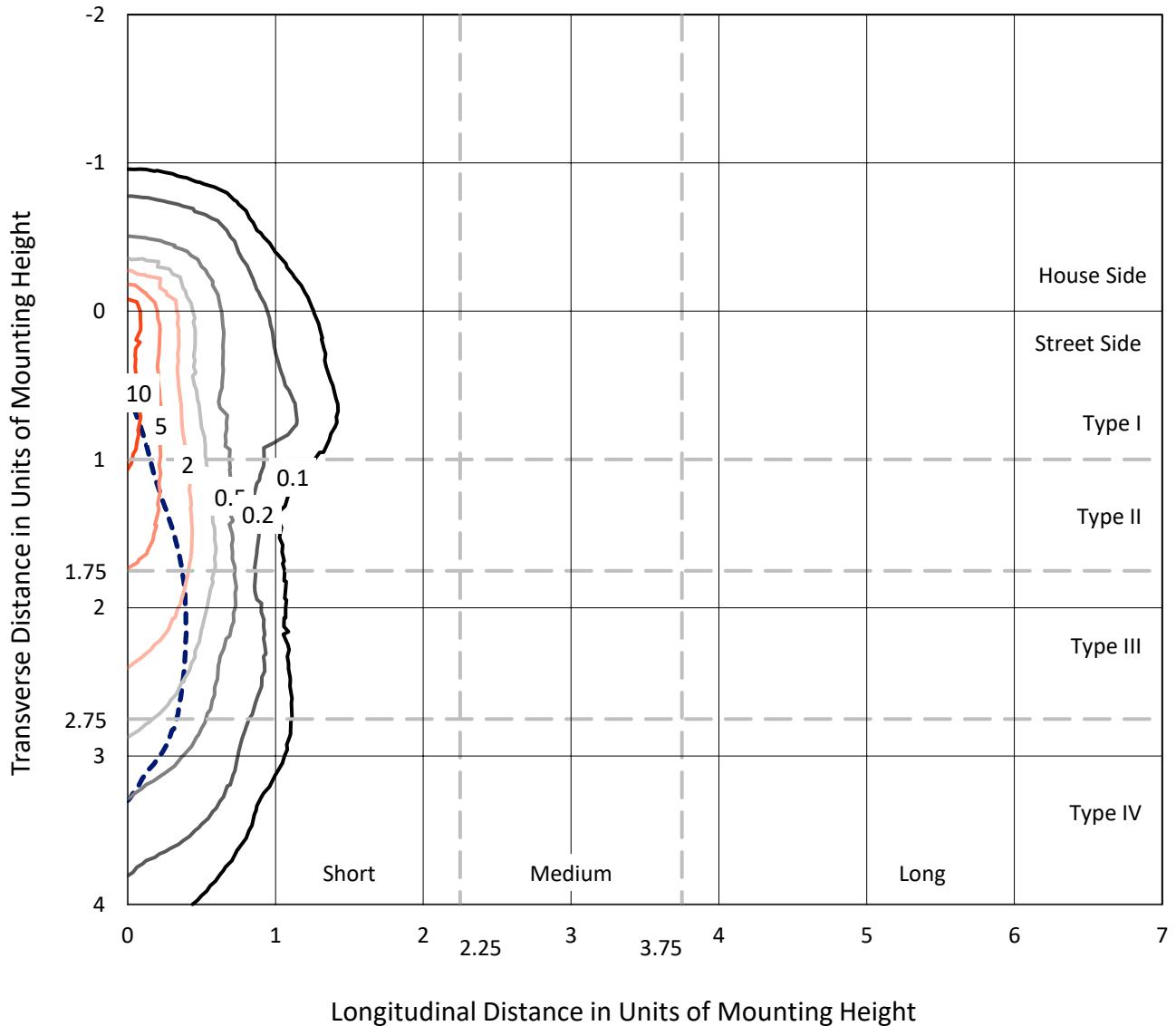
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

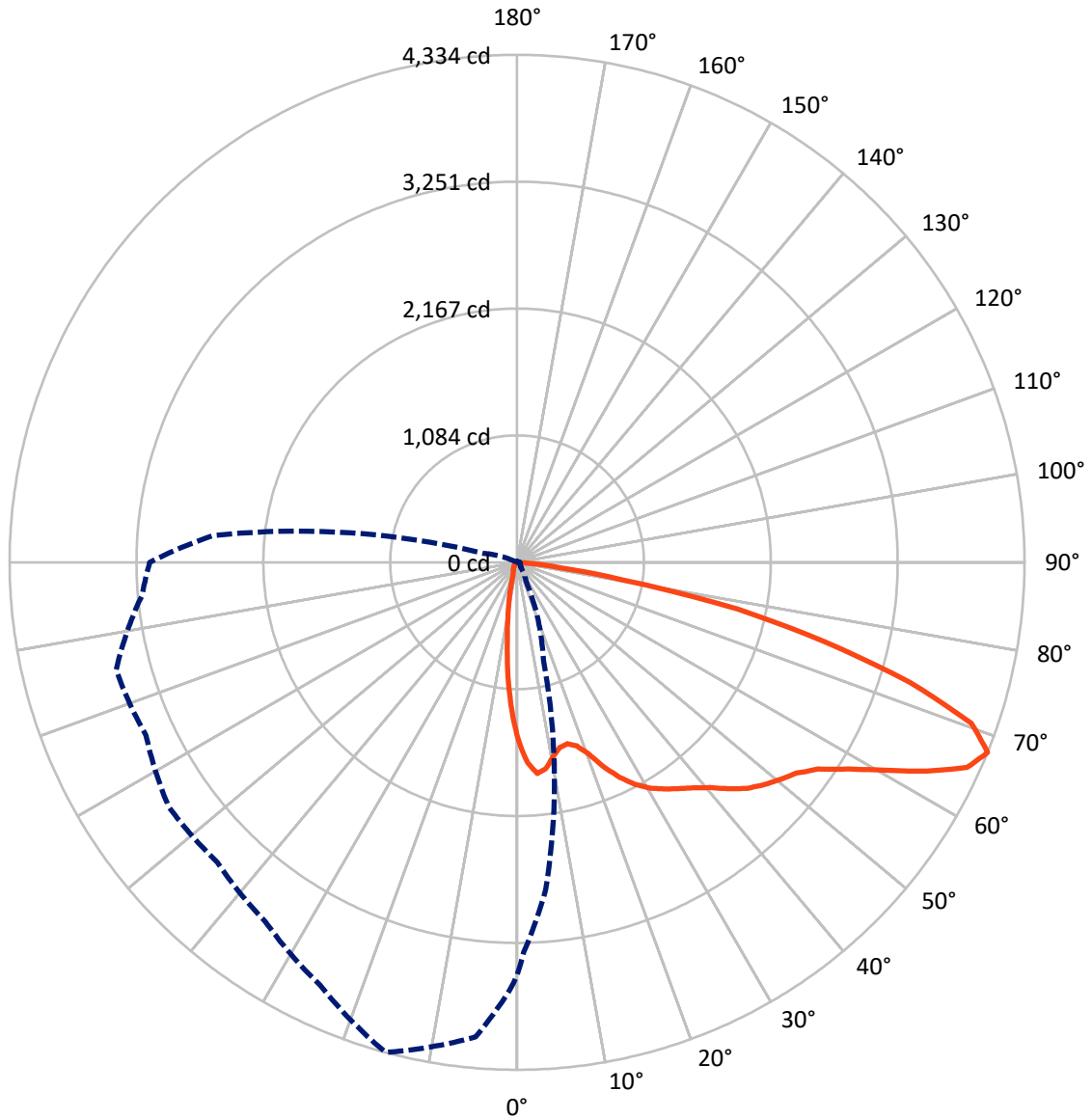
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 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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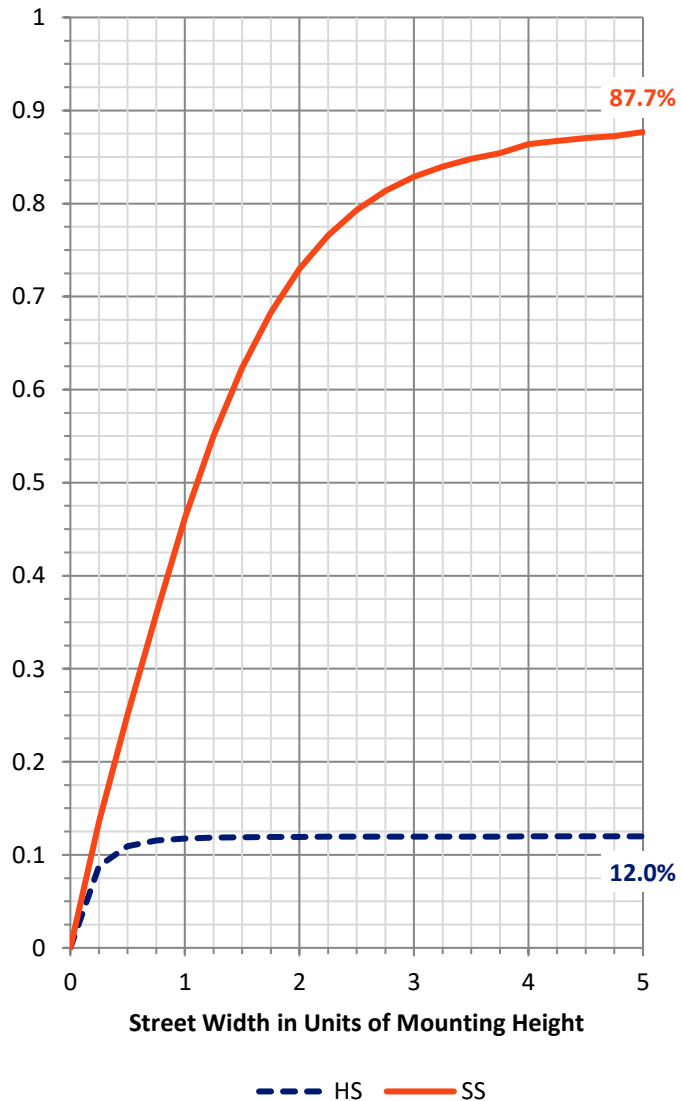
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	566.8	0.0	566.8
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	4116.2	0.0	4116.2
	% Fixture	87.9	0.0	87.9
Total	Lumens	4683.0	0.0	4683.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.1	2.5
10°-20°	233.0	5.0
20°-30°	330.9	7.1
30°-40°	488.8	10.4
40°-50°	704.9	15.1
50°-60°	989.6	21.1
60°-70°	1153.6	24.6
70°-80°	589.7	12.6
80°-90°	75.3	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°	4683.0	100.0
0°-180°	4683.0	100.0

Coefficient of Utilization

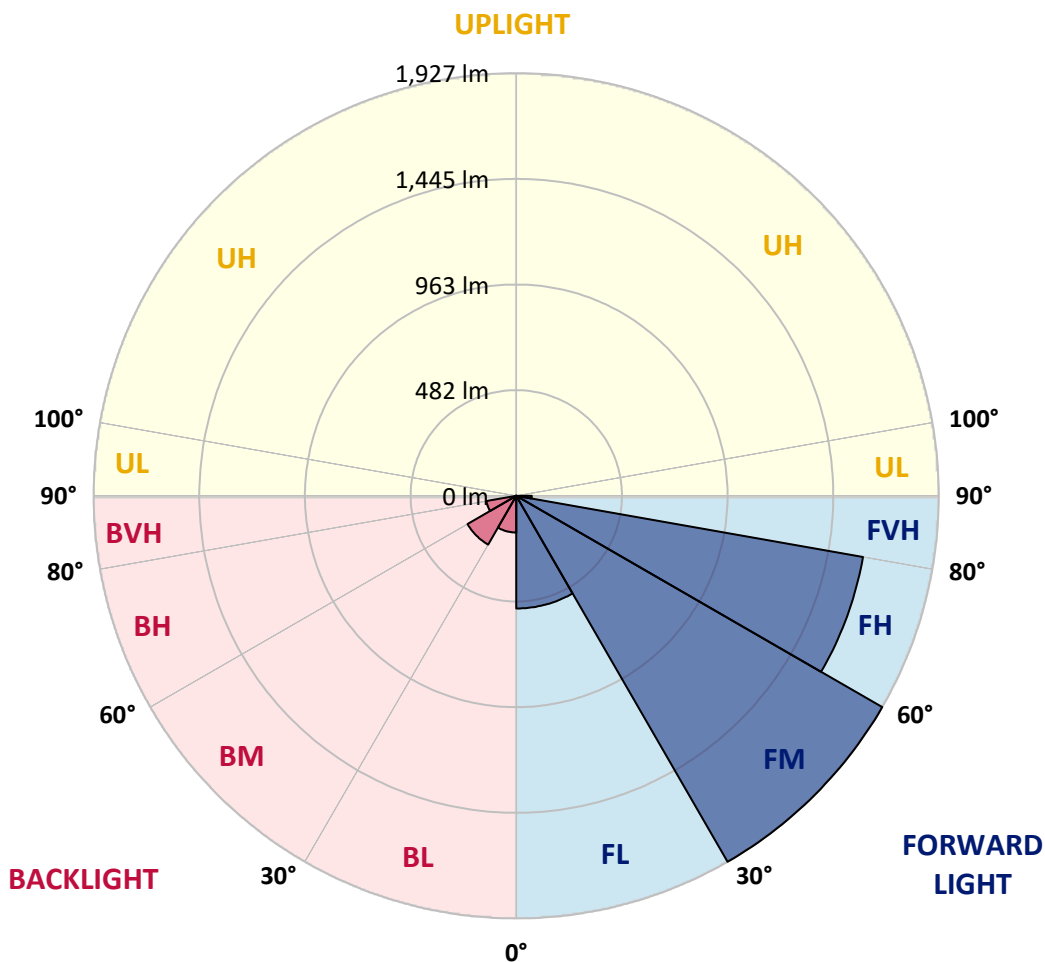


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	513.6	11.0			
FM (30°-60°)	1926.7	41.1			
FH (60°-80°)	1605.2	34.3			G1/1800
FVH (80°-90°)	70.7	1.5			G1/100
BL (0°-30°)	167.4	3.6	B1/500		
BM (30°-60°)	256.7	5.5	B1/1000		
BH (60°-80°)	138.1	2.9	B1/500		G1/500
BVH (80°-90°)	4.6	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°	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5
2.5°	1670.4	1657.5	1643.3	1596.9	1553.9	1504.6	1464.5	1436.5	1401.5	1356.0	1344.4
5°	1658.4	1644.6	1600.0	1496.9	1406.6	1318.7	1234.0	1184.3	1122.6	1060.0	1044.5
7.5°	1537.9	1523.5	1459.1	1317.8	1196.2	1069.3	959.3	891.2	821.5	764.3	733.9
10°	1412.6	1396.8	1324.5	1153.0	1003.2	888.5	807.8	742.8	676.9	615.6	566.8
12.5°	1326.3	1305.6	1227.1	1032.7	902.3	824.4	749.0	671.1	581.9	516.3	462.6
15°	1290.1	1266.6	1183.6	986.4	866.6	775.2	676.9	581.3	476.8	401.6	352.3
17.5°	1318.0	1287.4	1198.5	983.3	821.8	697.3	573.1	460.8	347.4	271.3	236.3
20°	1413.0	1372.8	1259.9	982.4	767.4	604.8	447.3	320.4	229.0	184.1	165.7
22.5°	1562.5	1509.5	1348.2	989.5	711.3	507.6	323.0	217.6	171.9	148.6	137.8
25°	1743.1	1681.7	1475.3	1014.5	662.0	413.1	234.7	171.9	145.1	128.0	118.9
27.5°	1914.8	1864.9	1636.0	1050.7	623.9	336.8	190.6	145.8	124.0	112.7	105.4
30°	2086.3	2023.5	1800.8	1093.7	577.9	285.1	167.5	132.9	111.1	99.2	94.5
32.5°	2211.0	2158.9	1929.9	1124.8	528.9	251.4	149.8	121.6	103.8	91.6	84.7
35°	2357.7	2298.6	2040.6	1131.7	497.4	230.1	134.7	109.4	90.1	79.2	71.9
37.5°	2516.1	2442.6	2168.4	1116.6	472.8	219.6	123.4	103.8	84.1	73.0	65.2
40°	2691.3	2608.4	2291.1	1094.9	448.6	216.1	114.7	99.6	79.4	68.1	60.1
42.5°	2875.9	2778.1	2397.4	1072.0	433.3	203.9	113.8	95.4	75.9	63.7	55.7
45°	3031.0	2931.8	2506.5	1064.5	422.4	190.6	117.6	92.5	73.4	60.1	52.4
47.5°	3154.6	3060.7	2618.3	1081.3	416.2	178.4	107.2	96.3	72.1	57.0	49.5
50°	3302.1	3195.8	2775.9	1131.7	407.1	166.2	97.0	110.3	72.1	55.0	47.0
52.5°	3487.1	3382.0	2951.6	1209.8	388.9	149.3	87.2	110.5	72.8	52.4	43.9
55°	3719.9	3643.5	3202.5	1295.4	359.8	124.5	75.4	95.0	70.1	47.5	41.0
57.5°	3943.0	3880.7	3431.2	1354.0	321.0	97.2	65.7	76.5	64.1	41.7	36.6
59°	4004.0	3935.9	3515.1	1356.6	292.0	84.7	60.8	63.2	62.8	39.0	33.9
60°	4004.0	3931.7	3539.3	1342.4	270.9	77.9	57.7	56.4	65.4	37.3	32.4
62.5°	3931.5	3829.9	3460.7	1246.4	221.0	66.3	50.4	46.6	58.8	33.5	28.6
65°	3780.6	3632.7	3193.2	1072.7	197.0	60.8	43.5	38.2	40.8	29.5	25.1
67.5°	3529.1	3328.5	2807.4	866.6	187.5	59.2	37.5	32.4	30.8	25.3	22.0
70°	3086.0	2863.5	2339.0	681.3	179.3	58.6	31.5	27.3	24.8	21.3	18.6
72.5°	2246.1	2014.0	1660.6	532.7	174.4	59.9	25.3	22.9	20.4	16.6	14.4
75°	1284.8	1132.8	933.3	351.9	148.6	57.2	19.5	19.1	14.6	12.0	10.0
77.5°	663.8	643.6	559.3	135.1	71.2	25.1	12.9	11.1	8.7	7.3	6.0
80°	286.4	283.3	245.2	39.0	18.9	14.0	7.3	4.7	4.0	3.1	2.4
82.5°	98.9	98.9	87.2	13.1	8.4	6.9	0.9	0.0	0.0	0.0	0.0
85°	20.0	22.4	15.8	0.0	2.9	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°	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5
2.5°	1330.5	1303.6	1301.8	1285.0	1263.9	1254.4	1248.8	1258.6	1270.6	1271.9	1289.9
5°	1032.7	1004.6	1016.3	986.4	992.4	986.4	976.6	978.4	983.7	967.1	987.7
7.5°	725.2	703.9	717.5	709.5	720.1	724.4	718.4	709.5	683.3	680.2	698.2
10°	546.7	522.5	508.0	493.0	496.3	503.2	500.9	494.5	477.9	478.8	496.1
12.5°	439.3	412.2	383.6	346.5	337.4	342.5	337.4	333.7	317.7	319.0	334.3
15°	333.2	311.0	281.1	251.4	235.2	236.7	222.5	212.5	202.6	190.6	199.9
17.5°	225.0	211.4	202.6	193.7	174.4	169.9	152.0	132.7	125.1	119.6	123.6
20°	159.3	152.0	148.4	148.0	136.9	131.3	113.8	101.8	98.1	97.0	99.4
22.5°	133.1	127.8	122.7	119.8	114.3	107.8	94.5	88.5	85.9	84.5	86.3
25°	115.8	111.8	106.5	101.6	99.4	92.5	83.0	78.5	76.8	75.4	76.3
27.5°	102.9	99.4	93.2	90.1	88.3	82.3	74.1	70.6	69.0	68.6	68.3
30°	92.7	89.4	83.6	80.1	77.0	71.7	66.8	63.2	61.7	61.2	60.8
32.5°	82.5	79.9	76.1	72.5	69.2	64.3	60.1	57.2	54.8	54.4	54.1
35°	69.7	67.0	65.0	64.8	61.7	57.0	53.9	50.1	48.1	47.5	47.7
37.5°	61.9	58.3	53.9	55.5	54.6	51.2	47.0	43.3	41.3	40.8	40.8
40°	57.0	53.2	48.1	45.5	48.1	47.5	40.8	37.0	35.1	34.8	34.4
42.5°	52.4	48.6	42.8	38.4	39.7	41.7	35.3	31.7	29.7	29.3	28.6
45°	49.0	45.0	38.6	33.5	30.8	35.1	30.2	25.7	24.6	23.7	23.3
47.5°	45.9	42.2	34.8	29.1	24.6	25.3	24.2	21.1	19.7	18.9	18.6
50°	43.3	39.3	31.5	24.8	20.4	18.6	19.5	16.6	15.5	14.6	14.2
52.5°	40.2	36.4	28.0	21.5	17.1	14.6	14.9	13.1	12.0	11.3	11.1
55°	37.7	33.9	25.1	18.9	15.1	12.0	10.6	10.2	9.5	9.1	8.9
57.5°	34.4	30.8	22.2	16.0	12.9	9.8	8.2	8.2	8.0	7.5	7.3
59°	32.4	29.3	20.4	14.4	11.8	8.4	7.3	7.5	7.3	6.9	6.7
60°	30.8	28.0	19.1	13.3	11.1	7.8	6.7	7.1	6.9	6.4	6.2
62.5°	27.3	25.3	16.4	11.1	9.8	6.2	5.5	6.0	6.0	5.8	5.5
65°	24.0	21.7	14.0	9.3	9.1	5.3	4.4	5.3	5.5	5.1	4.7
67.5°	20.9	18.6	12.2	7.5	8.4	4.2	3.3	4.4	6.0	4.7	4.2
70°	17.7	15.5	9.5	6.0	8.9	2.9	2.7	4.0	7.1	5.1	4.0
72.5°	13.8	12.0	6.7	4.4	9.5	2.0	2.0	3.3	8.0	5.5	3.8
75°	9.5	7.8	4.0	2.7	7.8	1.3	1.3	3.1	7.5	5.1	3.5
77.5°	5.5	4.2	1.3	0.2	4.0	0.0	0.2	2.2	5.3	3.1	1.6
80°	2.0	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°	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5
2.5°	1294.5	1324.5	1351.3	1391.9	1440.1	1495.5	1543.2	1594.5	1642.6	1662.6	1676.3
5°	991.9	1029.0	1072.2	1131.9	1211.3	1309.2	1400.8	1504.4	1615.8	1671.5	1723.8
7.5°	701.3	739.0	792.7	856.1	952.2	1068.7	1188.5	1331.6	1482.4	1570.5	1657.3
10°	504.3	550.6	600.8	687.5	785.1	895.6	1019.0	1178.7	1346.9	1444.5	1549.0
12.5°	343.2	396.0	471.9	569.1	683.8	792.0	899.2	1051.6	1246.8	1343.6	1455.6
15°	205.9	235.2	315.5	428.0	568.6	703.5	820.9	973.7	1181.8	1300.3	1416.8
17.5°	126.9	140.4	184.1	276.4	424.2	594.8	755.6	947.3	1191.1	1335.3	1460.0
20°	101.2	106.5	120.5	163.3	281.1	475.0	682.2	942.0	1267.2	1444.7	1578.5
22.5°	87.9	93.0	102.3	118.7	176.8	355.6	612.5	946.9	1376.4	1608.7	1764.9
25°	77.4	81.9	90.7	104.3	129.6	250.5	538.0	968.6	1518.6	1812.1	1978.1
27.5°	69.2	73.0	81.2	93.6	111.1	174.8	453.5	995.0	1687.2	2020.2	2183.9
30°	61.7	65.0	72.3	83.9	96.5	134.4	360.7	1013.0	1856.0	2183.9	2331.0
32.5°	55.2	57.7	64.3	74.1	83.9	107.2	274.2	1010.1	1981.4	2320.2	2436.9
35°	48.6	51.0	56.8	65.2	73.0	88.5	215.6	956.2	2090.5	2461.5	2558.0
37.5°	41.3	44.4	49.9	57.5	62.8	77.9	174.4	891.2	2201.3	2623.0	2693.1
40°	35.1	38.2	43.0	51.2	54.6	73.9	134.0	812.0	2325.7	2803.6	2841.3
42.5°	29.1	31.9	37.0	44.1	51.5	63.7	99.2	721.5	2445.3	2958.0	2976.4
45°	23.5	26.4	31.7	38.8	55.0	52.8	76.8	624.5	2541.8	3086.5	3092.4
47.5°	18.6	21.3	26.8	36.6	51.2	42.2	54.8	548.4	2622.8	3186.7	3171.0
50°	14.4	16.6	22.4	41.9	44.8	34.8	41.5	523.1	2695.3	3248.9	3208.0
52.5°	11.3	13.3	18.4	39.3	34.8	28.8	34.8	546.9	2794.7	3300.3	3228.9
55°	9.1	11.1	14.4	22.4	23.7	24.4	29.7	569.1	2966.2	3421.0	3352.0
57.5°	7.5	9.5	11.8	15.8	18.0	20.6	26.4	571.5	3168.3	3621.6	3556.3
59°	6.9	8.7	10.6	14.0	15.8	18.9	24.8	558.2	3239.5	3694.6	3661.9
60°	6.4	8.2	10.0	12.9	14.6	17.7	24.0	545.5	3242.6	3691.9	3707.0
62.5°	5.5	7.3	8.9	10.9	12.4	15.1	21.5	498.7	3111.3	3571.0	3679.9
65°	4.9	6.4	8.0	9.3	10.6	13.5	19.5	413.3	2887.0	3376.0	3494.7
67.5°	4.4	5.5	7.3	8.2	9.5	12.0	17.3	294.6	2606.8	3137.5	3214.5
70°	4.0	5.3	6.7	7.5	8.7	10.4	14.9	169.3	2201.3	2788.3	2843.1
72.5°	3.8	5.1	6.0	7.1	7.8	9.3	13.5	79.6	1611.8	2233.6	2376.7
75°	3.3	4.7	5.5	6.7	7.3	8.4	11.5	38.2	1072.0	1616.4	1779.1
77.5°	2.0	3.8	5.1	6.0	6.4	7.3	9.5	22.0	684.2	1118.8	1317.8
80°	0.0	1.3	3.8	5.1	5.5	6.2	7.3	17.3	366.1	639.2	767.2
82.5°	0.0	0.0	2.7	4.0	3.8	4.2	5.5	10.9	165.1	417.8	470.8
85°	0.0	0.0	0.9	3.1	2.7	2.0	3.8	3.8	36.2	211.4	263.8
87.5°	0.0	0.0	0.0	0.2	1.3	0.9	1.6	0.4	0.2	15.8	63.9
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°	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5	1525.5
2.5°	1724.5	1740.9	1768.6	1781.7	1775.3	1748.0	1715.4	1682.1	1662.6	1670.4
5°	1830.5	1915.1	1963.9	1980.1	1953.0	1891.8	1811.7	1706.1	1668.6	1658.4
7.5°	1830.5	1989.6	2090.3	2108.1	2047.7	1927.7	1777.5	1612.7	1557.9	1537.9
10°	1766.2	1982.7	2123.2	2151.3	2067.0	1887.5	1686.3	1498.2	1433.2	1412.6
12.5°	1693.6	1926.8	2074.8	2113.6	2044.4	1847.6	1623.1	1420.8	1344.2	1326.3
15°	1649.1	1858.0	1980.5	2008.7	1979.4	1824.3	1608.0	1397.5	1307.4	1290.1
17.5°	1665.0	1804.8	1848.9	1865.4	1885.1	1816.1	1649.1	1448.5	1334.5	1318.0
20°	1725.1	1748.7	1725.8	1746.4	1799.7	1824.1	1746.9	1571.8	1435.0	1413.0
22.5°	1827.2	1719.6	1655.5	1663.7	1728.5	1850.5	1896.4	1748.0	1590.0	1562.5
25°	1946.1	1743.1	1616.4	1609.1	1675.7	1885.3	2033.1	1939.7	1773.5	1743.1
27.5°	2095.6	1795.9	1608.5	1601.1	1657.3	1917.9	2146.7	2129.1	1966.7	1914.8
30°	2211.0	1847.8	1632.2	1615.3	1675.7	1940.6	2237.9	2290.0	2120.7	2086.3
32.5°	2293.8	1909.1	1670.8	1646.4	1727.6	1979.6	2308.2	2437.3	2263.1	2211.0
35°	2356.8	1975.6	1733.1	1693.0	1799.0	2038.9	2374.1	2594.2	2414.7	2357.7
37.5°	2415.8	2069.0	1830.5	1782.6	1911.1	2134.3	2443.7	2772.1	2584.2	2516.1
40°	2498.1	2174.8	1980.7	1938.1	2099.4	2264.3	2530.7	2957.6	2777.0	2691.3
42.5°	2580.4	2288.4	2134.5	2146.0	2334.4	2422.2	2643.0	3153.7	2967.3	2875.9
45°	2655.6	2405.6	2353.4	2406.7	2552.4	2595.5	2754.6	3267.0	3119.3	3031.0
47.5°	2722.6	2552.0	2571.1	2712.8	2800.5	2752.3	2838.0	3364.9	3232.4	3154.6
50°	2800.5	2741.5	2857.9	3058.5	3086.0	2894.3	2913.9	3480.7	3364.7	3302.1
52.5°	2885.7	2941.1	3175.6	3352.5	3343.6	3048.5	2990.2	3610.5	3545.9	3487.1
55°	2982.4	3102.4	3455.4	3627.6	3620.0	3220.7	3116.6	3770.9	3773.1	3719.9
57.5°	3125.9	3241.3	3645.3	3850.1	3862.7	3419.5	3330.9	3950.6	3978.5	3943.0
59°	3228.9	3331.4	3720.5	3943.0	3994.5	3573.2	3487.6	4054.9	4036.4	4004.0
60°	3305.2	3388.6	3757.8	3991.6	4071.0	3677.5	3603.2	4116.1	4043.3	4004.0
62.5°	3494.0	3513.3	3825.0	4046.6	4159.1	3909.1	3928.4	4220.4	3995.6	3931.5
65°	3582.1	3592.1	3824.1	3948.1	4073.9	4089.5	4223.5	4223.5	3879.1	3780.6
67.5°	3545.3	3497.1	3634.4	3621.6	3747.1	3982.3	4334.4	4068.6	3656.4	3529.1
70°	3245.7	3060.5	2999.5	3005.0	3101.1	3463.8	4114.8	3612.9	3234.9	3086.0
72.5°	2700.6	2256.3	2105.6	2277.6	2302.6	2662.0	3506.6	2720.8	2385.6	2246.1
75°	2172.2	1590.5	1345.6	1527.0	1569.6	1948.1	2712.6	1694.5	1393.5	1284.8
77.5°	1560.5	1141.7	965.5	952.9	1007.9	1235.5	1924.8	852.8	711.3	663.8
80°	886.5	751.4	809.1	763.4	791.1	772.5	914.5	374.0	306.4	286.4
82.5°	535.1	444.2	481.0	400.4	506.7	441.3	352.3	119.8	104.1	98.9
85°	348.1	242.7	126.5	84.7	174.6	282.0	78.8	32.6	25.1	20.0
87.5°	120.0	61.9	6.2	2.7	18.6	52.6	2.9	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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