

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: P386028

Luminaire Tested: GAW-SA1C-827-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386028
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-827-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(1) 80 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: 4117 lumens
Efficiency: N/A
Efficacy: 71.0 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

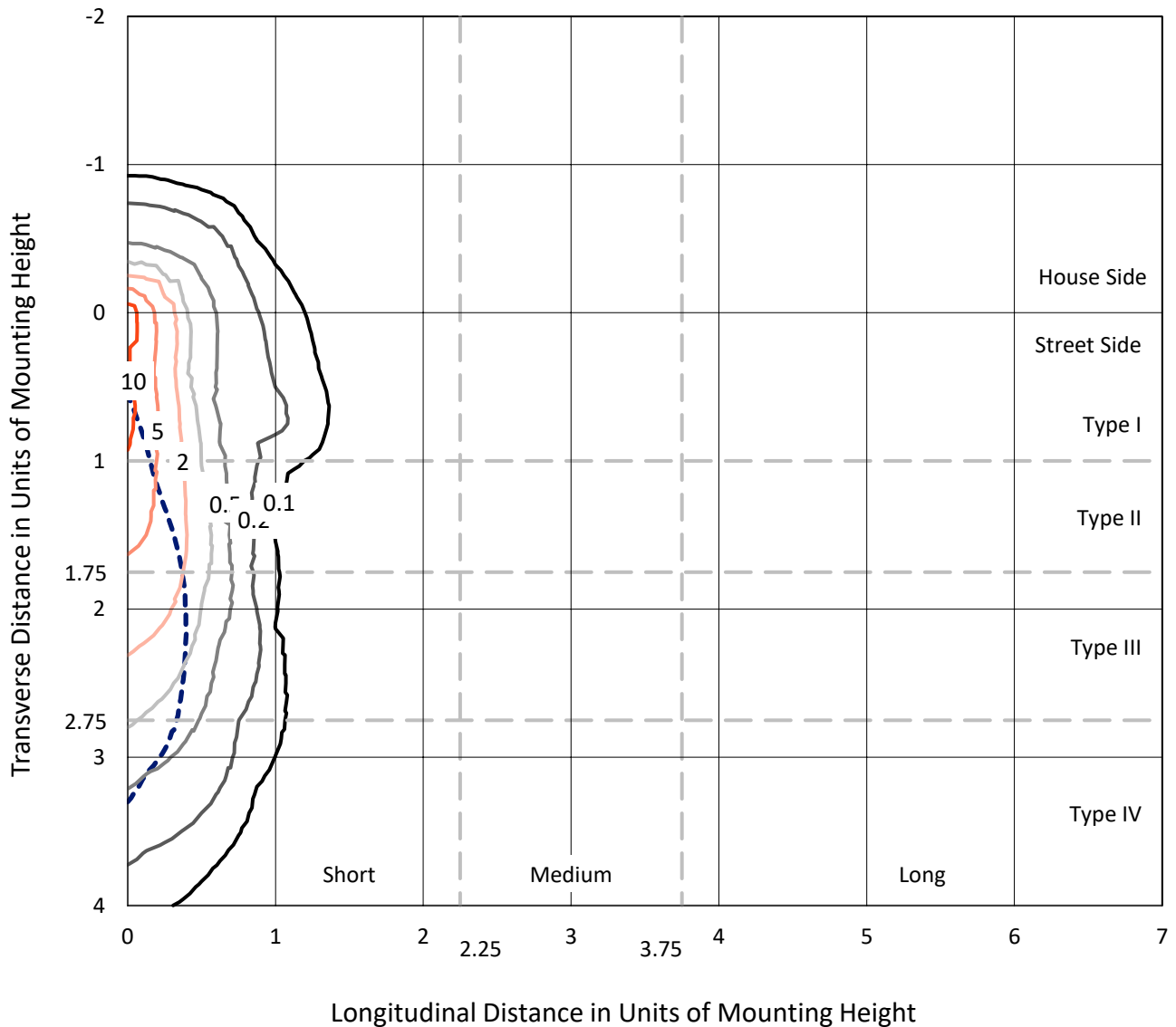
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

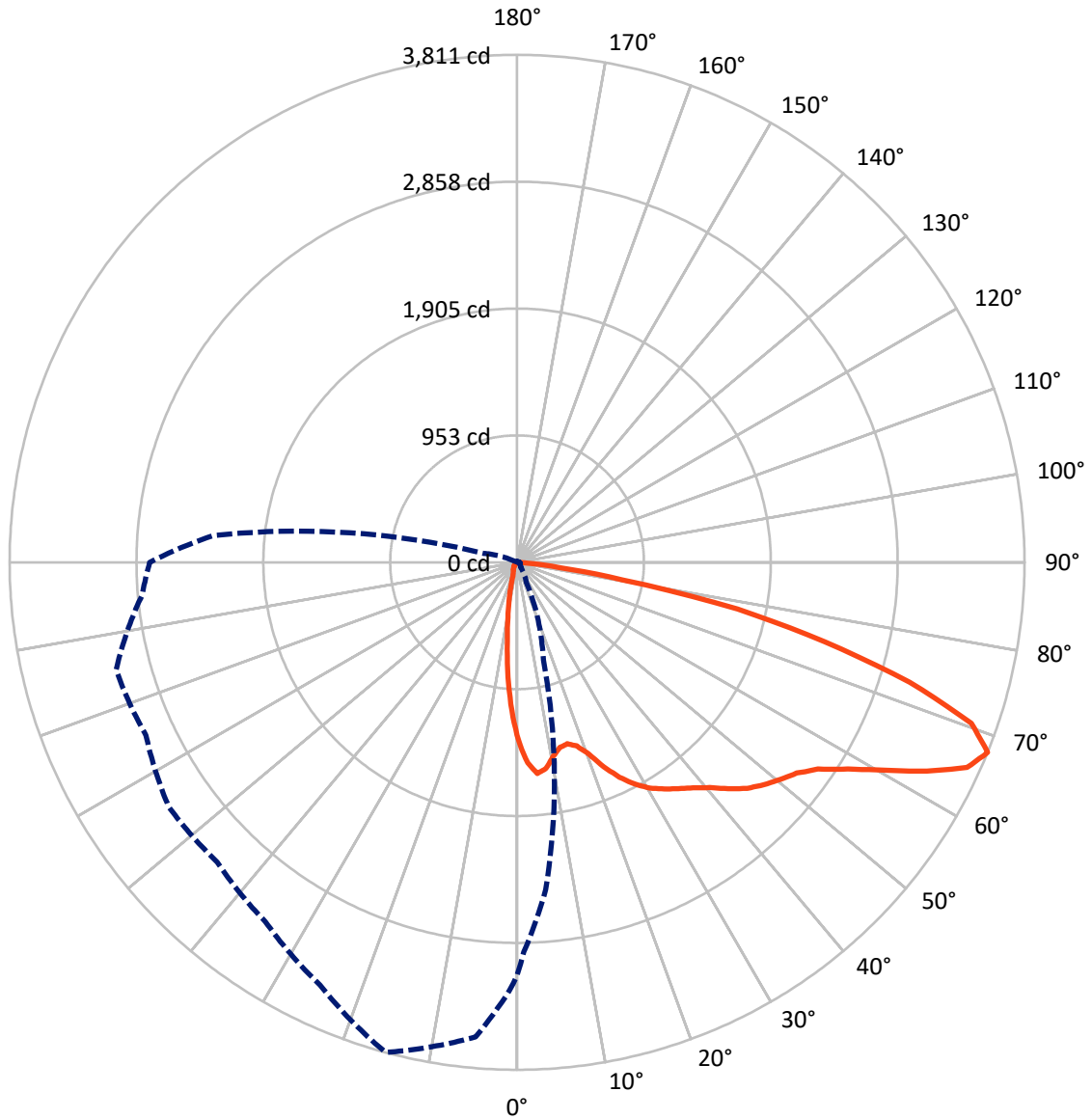
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 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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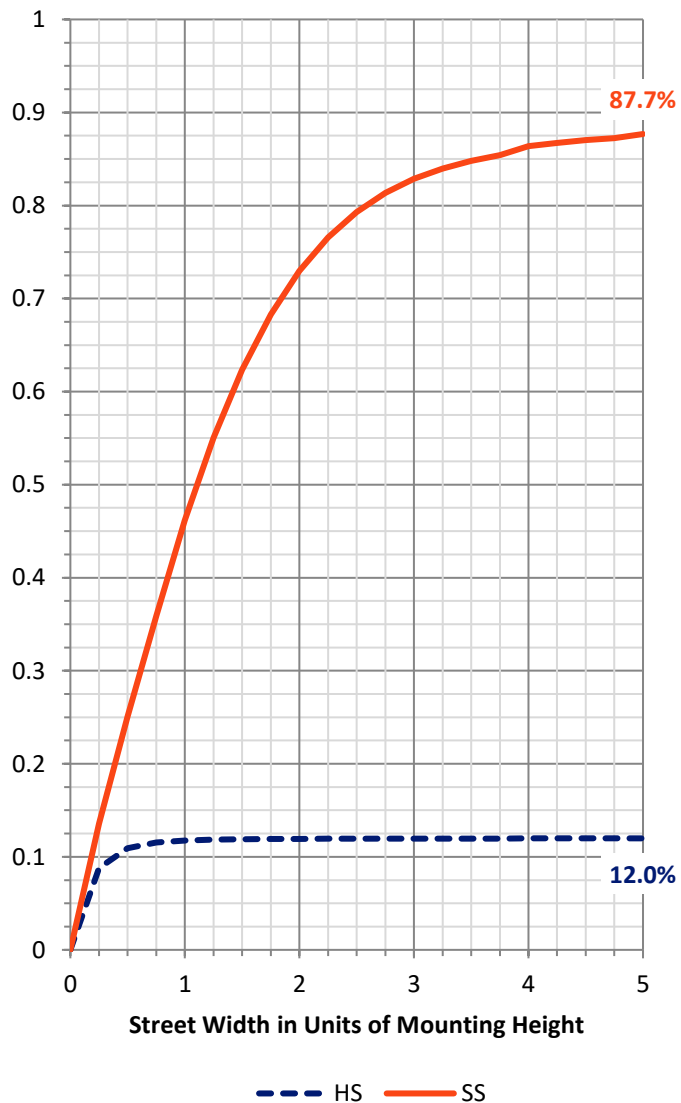
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	498.3	0.0	498.3
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	3618.7	0.0	3618.7
	% Fixture	87.9	0.0	87.9
Total	Lumens	4117.0	0.0	4117.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	2.5
10°-20°	204.9	5.0
20°-30°	290.9	7.1
30°-40°	429.7	10.4
40°-50°	619.7	15.1
50°-60°	870.0	21.1
60°-70°	1014.2	24.6
70°-80°	518.5	12.6
80°-90°	66.2	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°	4117.0	100.0
0°-180°	4117.0	100.0

Coefficient of Utilization

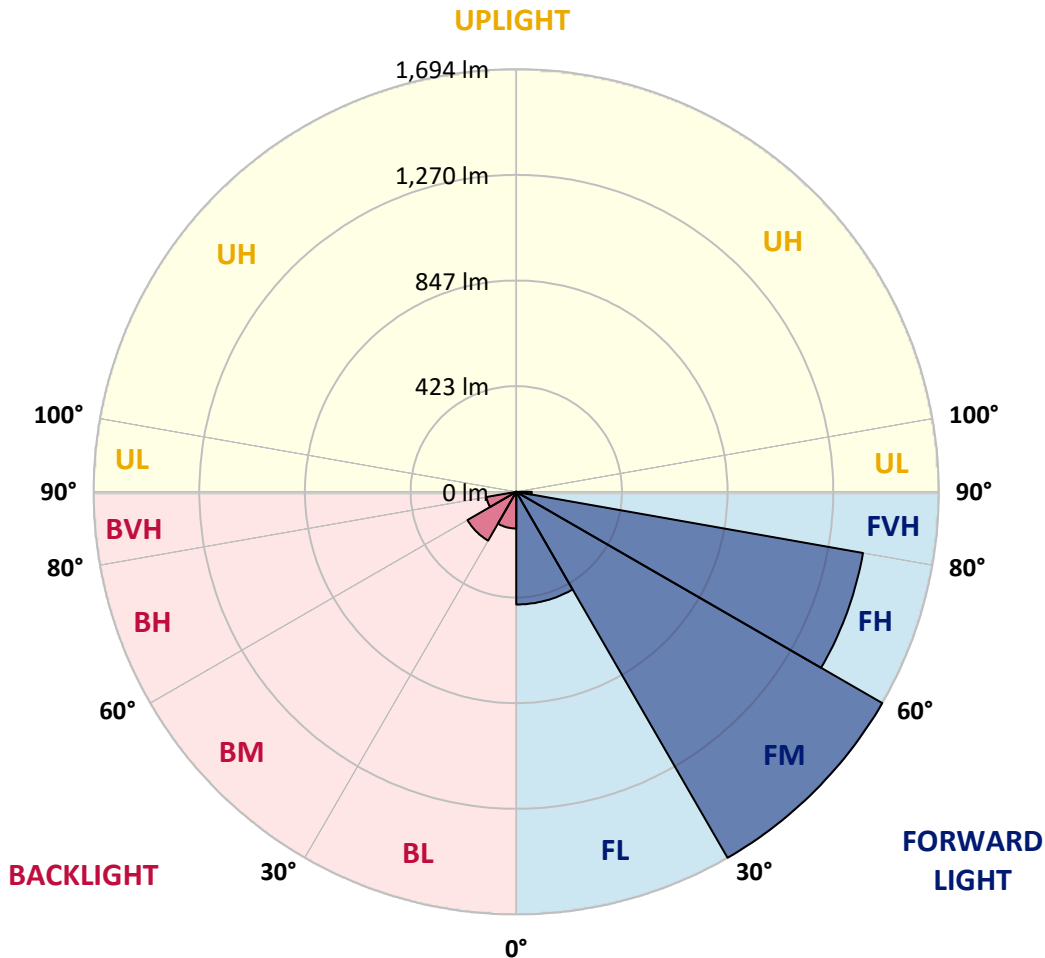


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.6	11.0			
FM (30°-60°)	1693.8	41.1			
FH (60°-80°)	1411.2	34.3			G1/1800
FVH (80°-90°)	62.2	1.5			G1/100
BL (0°-30°)	147.2	3.6	B1/500		
BM (30°-60°)	225.6	5.5	B1/1000		
BH (60°-80°)	121.5	3.0	B1/500		G1/500
BVH (80°-90°)	4.0	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°	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1
2.5°	1468.5	1457.2	1444.7	1403.9	1366.1	1322.8	1287.5	1262.9	1232.1	1192.1	1182.0
5°	1457.9	1445.8	1406.6	1315.9	1236.6	1159.3	1084.8	1041.1	986.9	931.9	918.3
7.5°	1352.0	1339.3	1282.8	1158.5	1051.7	940.1	843.4	783.5	722.2	671.9	645.2
10°	1241.8	1228.0	1164.4	1013.6	882.0	781.1	710.1	653.0	595.1	541.2	498.3
12.5°	1166.0	1147.8	1078.8	907.9	793.2	724.8	658.5	590.0	511.6	453.9	406.7
15°	1134.2	1113.5	1040.5	867.2	761.8	681.5	595.1	511.0	419.1	353.0	309.7
17.5°	1158.7	1131.8	1053.6	864.4	722.4	613.0	503.8	405.1	305.4	238.5	207.7
20°	1242.2	1206.9	1107.6	863.6	674.6	531.7	393.2	281.6	201.3	161.9	145.7
22.5°	1373.7	1327.1	1185.3	869.9	625.3	446.3	284.0	191.3	151.2	130.7	121.1
25°	1532.4	1478.4	1297.0	891.9	582.0	363.2	206.4	151.2	127.6	112.5	104.5
27.5°	1683.4	1639.5	1438.2	923.7	548.5	296.1	167.5	128.1	109.0	99.1	92.6
30°	1834.2	1779.0	1583.2	961.6	508.1	250.6	147.3	116.8	97.7	87.2	83.1
32.5°	1943.8	1897.9	1696.7	988.9	465.0	221.0	131.7	106.9	91.3	80.6	74.5
35°	2072.7	2020.8	1794.0	994.9	437.3	202.3	118.4	96.2	79.2	69.6	63.2
37.5°	2212.0	2147.4	1906.3	981.6	415.6	193.1	108.4	91.3	73.9	64.2	57.3
40°	2366.0	2293.1	2014.2	962.5	394.4	190.0	100.8	87.6	69.8	59.9	52.9
42.5°	2528.3	2442.3	2107.6	942.4	380.9	179.2	100.1	83.9	66.7	56.0	49.0
45°	2664.7	2577.5	2203.6	935.8	371.4	167.5	103.4	81.3	64.6	52.9	46.0
47.5°	2773.3	2690.8	2301.9	950.6	365.9	156.8	94.2	84.6	63.4	50.1	43.5
50°	2903.0	2809.6	2440.4	994.9	357.9	146.1	85.2	96.9	63.4	48.4	41.3
52.5°	3065.7	2973.2	2594.8	1063.6	341.9	131.3	76.7	97.1	64.0	46.0	38.6
55°	3270.3	3203.2	2815.4	1138.8	316.4	109.4	66.3	83.5	61.6	41.7	36.1
57.5°	3466.5	3411.7	3016.5	1190.3	282.2	85.4	57.7	67.3	56.4	36.7	32.2
59°	3520.1	3460.2	3090.2	1192.7	256.7	74.5	53.4	55.6	55.2	34.3	29.8
60°	3520.1	3456.5	3111.5	1180.2	238.1	68.5	50.7	49.5	57.5	32.8	28.5
62.5°	3456.3	3367.0	3042.5	1095.7	194.3	58.3	44.3	41.0	51.7	29.5	25.2
65°	3323.7	3193.6	2807.2	943.0	173.2	53.4	38.2	33.5	35.9	25.9	22.0
67.5°	3102.5	2926.2	2468.1	761.8	164.8	52.1	33.0	28.5	27.1	22.2	19.3
70°	2713.0	2517.4	2056.3	599.0	157.6	51.5	27.7	24.0	21.8	18.7	16.4
72.5°	1974.6	1770.6	1459.9	468.3	153.3	52.7	22.2	20.1	17.9	14.6	12.7
75°	1129.5	995.9	820.5	309.3	130.7	50.3	17.2	16.8	12.9	10.5	8.8
77.5°	583.6	565.8	491.7	118.8	62.6	22.0	11.3	9.8	7.6	6.4	5.3
80°	251.8	249.1	215.5	34.3	16.6	12.3	6.4	4.1	3.5	2.7	2.1
82.5°	87.0	87.0	76.7	11.5	7.4	6.0	0.8	0.0	0.0	0.0	0.0
85°	17.6	19.7	13.8	0.0	2.5	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°	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1
2.5°	1169.7	1146.1	1144.5	1129.7	1111.2	1102.8	1097.9	1106.5	1117.0	1118.2	1134.0
5°	907.9	883.1	893.5	867.2	872.4	867.2	858.6	860.1	864.8	850.2	868.3
7.5°	637.6	618.9	630.8	623.7	633.1	636.8	631.5	623.7	600.7	598.0	613.8
10°	480.6	459.3	446.6	433.4	436.3	442.4	440.4	434.7	420.1	420.9	436.1
12.5°	386.2	362.4	337.2	304.7	296.7	301.1	296.7	293.3	279.3	280.5	293.9
15°	293.0	273.4	247.1	221.0	206.7	208.1	195.6	186.8	178.1	167.5	175.7
17.5°	197.8	185.9	178.1	170.3	153.3	149.4	133.6	116.6	110.0	105.1	108.6
20°	140.0	133.6	130.5	130.1	120.3	115.5	100.1	89.5	86.2	85.2	87.4
22.5°	117.0	112.3	107.9	105.3	100.4	94.8	83.1	77.8	75.5	74.3	75.9
25°	101.8	98.3	93.6	89.3	87.4	81.3	72.9	69.0	67.5	66.3	67.1
27.5°	90.5	87.4	81.9	79.2	77.6	72.4	65.1	62.0	60.7	60.3	60.1
30°	81.5	78.6	73.5	70.4	67.7	63.0	58.7	55.6	54.2	53.8	53.4
32.5°	72.6	70.2	66.9	63.8	60.9	56.6	52.9	50.3	48.2	47.8	47.6
35°	61.2	58.9	57.1	57.0	54.2	50.1	47.4	44.1	42.3	41.7	41.9
37.5°	54.4	51.3	47.4	48.8	48.0	45.1	41.3	38.0	36.3	35.9	35.9
40°	50.1	46.8	42.3	40.0	42.3	41.7	35.9	32.6	30.8	30.6	30.2
42.5°	46.0	42.7	37.6	33.7	34.9	36.7	31.0	27.9	26.1	25.7	25.2
45°	43.1	39.6	33.9	29.5	27.1	30.8	26.5	22.6	21.6	20.9	20.5
47.5°	40.4	37.1	30.6	25.6	21.6	22.2	21.3	18.5	17.4	16.6	16.4
50°	38.0	34.5	27.7	21.8	17.9	16.4	17.2	14.6	13.7	12.9	12.5
52.5°	35.3	32.0	24.6	18.9	15.0	12.9	13.1	11.5	10.5	9.9	9.8
55°	33.2	29.8	22.0	16.6	13.3	10.5	9.4	9.0	8.4	8.0	7.8
57.5°	30.2	27.1	19.5	14.0	11.3	8.6	7.2	7.2	7.0	6.6	6.4
59°	28.5	25.7	17.9	12.7	10.3	7.4	6.4	6.6	6.4	6.0	5.9
60°	27.1	24.6	16.8	11.7	9.8	6.8	5.9	6.2	6.0	5.7	5.5
62.5°	24.0	22.2	14.4	9.8	8.6	5.5	4.9	5.3	5.3	5.1	4.9
65°	21.1	19.1	12.3	8.2	8.0	4.7	3.9	4.7	4.9	4.5	4.1
67.5°	18.3	16.4	10.7	6.6	7.4	3.7	2.9	3.9	5.3	4.1	3.7
70°	15.6	13.7	8.4	5.3	7.8	2.5	2.3	3.5	6.2	4.5	3.5
72.5°	12.1	10.5	5.9	3.9	8.4	1.8	1.8	2.9	7.0	4.9	3.3
75°	8.4	6.8	3.5	2.3	6.8	1.2	1.2	2.7	6.6	4.5	3.1
77.5°	4.9	3.7	1.2	0.2	3.5	0.0	0.2	2.0	4.7	2.7	1.4
80°	1.8	0.8	0.0	0.0	2.1	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°	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1
2.5°	1138.1	1164.4	1188.0	1223.7	1266.0	1314.8	1356.7	1401.8	1444.1	1461.6	1473.7
5°	872.0	904.6	942.6	995.1	1064.9	1150.9	1231.5	1322.6	1420.5	1469.4	1515.5
7.5°	616.5	649.7	696.9	752.7	837.1	939.5	1044.8	1170.6	1303.3	1380.7	1457.0
10°	443.3	484.1	528.2	604.4	690.3	787.4	895.8	1036.3	1184.1	1269.9	1361.8
12.5°	301.7	348.1	414.9	500.3	601.1	696.3	790.5	924.5	1096.1	1181.2	1279.7
15°	181.0	206.7	277.3	376.2	499.9	618.5	721.7	856.0	1039.0	1143.1	1245.5
17.5°	111.6	123.5	161.9	243.0	372.9	522.9	664.3	832.8	1047.2	1174.0	1283.6
20°	88.9	93.6	105.9	143.6	247.1	417.6	599.8	828.1	1114.1	1270.1	1387.7
22.5°	77.2	81.7	89.9	104.3	155.4	312.7	538.5	832.4	1210.0	1414.2	1551.6
25°	68.1	72.0	79.8	91.7	113.9	220.2	473.0	851.6	1335.1	1593.1	1739.0
27.5°	60.9	64.2	71.4	82.3	97.7	153.7	398.7	874.8	1483.3	1776.0	1920.0
30°	54.2	57.1	63.6	73.7	84.8	118.2	317.1	890.6	1631.7	1920.0	2049.3
32.5°	48.6	50.7	56.6	65.1	73.7	94.2	241.1	888.0	1741.9	2039.7	2142.3
35°	42.7	44.9	49.9	57.3	64.2	77.8	189.6	840.6	1837.9	2164.0	2248.8
37.5°	36.3	39.0	43.9	50.5	55.2	68.5	153.3	783.5	1935.2	2306.0	2367.6
40°	30.8	33.5	37.8	45.1	48.0	64.9	117.8	713.9	2044.6	2464.7	2497.9
42.5°	25.6	28.1	32.6	38.8	45.2	56.0	87.2	634.3	2149.7	2600.5	2616.7
45°	20.7	23.2	27.9	34.1	48.4	46.4	67.5	549.0	2234.6	2713.4	2718.7
47.5°	16.4	18.7	23.6	32.2	45.1	37.1	48.2	482.1	2305.8	2801.6	2787.7
50°	12.7	14.6	19.7	36.9	39.4	30.6	36.5	459.9	2369.6	2856.2	2820.3
52.5°	9.9	11.7	16.2	34.5	30.6	25.4	30.6	480.8	2456.9	2901.4	2838.6
55°	8.0	9.8	12.7	19.7	20.9	21.5	26.1	500.3	2607.7	3007.5	2946.9
57.5°	6.6	8.4	10.3	13.8	15.8	18.1	23.2	502.4	2785.4	3183.9	3126.5
59°	6.0	7.6	9.4	12.3	13.8	16.6	21.8	490.7	2848.0	3248.0	3219.4
60°	5.7	7.2	8.8	11.3	12.9	15.6	21.1	479.6	2850.7	3245.7	3258.9
62.5°	4.9	6.4	7.8	9.6	10.9	13.3	18.9	438.5	2735.3	3139.4	3235.2
65°	4.3	5.7	7.0	8.2	9.4	11.9	17.2	363.4	2538.1	2967.9	3072.3
67.5°	3.9	4.9	6.4	7.2	8.4	10.5	15.2	259.0	2291.7	2758.3	2826.0
70°	3.5	4.7	5.9	6.6	7.6	9.2	13.1	148.8	1935.2	2451.3	2499.5
72.5°	3.3	4.5	5.3	6.2	6.8	8.2	11.9	70.0	1417.0	1963.7	2089.5
75°	2.9	4.1	4.9	5.9	6.4	7.4	10.1	33.5	942.4	1421.1	1564.0
77.5°	1.8	3.3	4.5	5.3	5.7	6.4	8.4	19.3	601.5	983.6	1158.5
80°	0.0	1.2	3.3	4.5	4.9	5.5	6.4	15.2	321.8	561.9	674.5
82.5°	0.0	0.0	2.3	3.5	3.3	3.7	4.9	9.6	145.1	367.3	413.9
85°	0.0	0.0	0.8	2.7	2.3	1.8	3.3	3.3	31.8	185.9	231.9
87.5°	0.0	0.0	0.0	0.2	1.2	0.8	1.4	0.4	0.2	13.8	56.2
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°	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1	1341.1
2.5°	1516.1	1530.5	1554.9	1566.4	1560.7	1536.7	1508.1	1478.8	1461.6	1468.5
5°	1609.3	1683.6	1726.5	1740.7	1717.0	1663.1	1592.7	1499.9	1466.9	1457.9
7.5°	1609.3	1749.1	1837.7	1853.3	1800.2	1694.7	1562.7	1417.8	1369.6	1352.0
10°	1552.7	1743.1	1866.5	1891.3	1817.2	1659.4	1482.5	1317.1	1260.0	1241.8
12.5°	1488.9	1693.9	1824.0	1858.2	1797.3	1624.3	1426.9	1249.0	1181.8	1166.0
15°	1449.7	1633.5	1741.1	1765.9	1740.2	1603.8	1413.7	1228.6	1149.4	1134.2
17.5°	1463.8	1586.7	1625.5	1639.9	1657.3	1596.6	1449.7	1273.4	1173.2	1158.7
20°	1516.6	1537.3	1517.2	1535.4	1582.2	1603.6	1535.8	1381.9	1261.5	1242.2
22.5°	1606.4	1511.8	1455.4	1462.6	1519.6	1626.8	1667.2	1536.7	1397.9	1373.7
25°	1710.9	1532.4	1421.1	1414.6	1473.1	1657.5	1787.4	1705.2	1559.2	1532.4
27.5°	1842.4	1578.9	1414.1	1407.6	1457.0	1686.1	1887.2	1871.8	1729.0	1683.4
30°	1943.8	1624.5	1434.9	1420.1	1473.1	1706.0	1967.4	2013.2	1864.4	1834.2
32.5°	2016.5	1678.3	1468.9	1447.4	1518.8	1740.4	2029.2	2142.7	1989.6	1943.8
35°	2071.9	1736.8	1523.7	1488.4	1581.6	1792.4	2087.1	2280.6	2122.8	2072.7
37.5°	2123.8	1819.0	1609.3	1567.2	1680.1	1876.3	2148.4	2437.0	2271.8	2212.0
40°	2196.2	1912.0	1741.3	1703.9	1845.7	1990.6	2224.8	2600.1	2441.3	2366.0
42.5°	2268.5	2011.9	1876.5	1886.6	2052.2	2129.5	2323.5	2772.5	2608.7	2528.3
45°	2334.6	2114.8	2069.0	2115.8	2244.0	2281.8	2421.6	2872.2	2742.3	2664.7
47.5°	2393.5	2243.6	2260.3	2385.0	2462.0	2419.7	2495.0	2958.2	2841.8	2773.3
50°	2462.0	2410.1	2512.5	2688.8	2713.0	2544.5	2561.7	3060.0	2958.0	2903.0
52.5°	2536.9	2585.7	2791.8	2947.3	2939.5	2680.1	2628.8	3174.1	3117.3	3065.7
55°	2621.9	2727.5	3037.8	3189.1	3182.5	2831.4	2739.9	3315.1	3317.1	3270.3
57.5°	2748.1	2849.6	3204.7	3384.7	3395.9	3006.2	2928.4	3473.1	3497.7	3466.5
59°	2838.6	2928.7	3270.8	3466.5	3511.7	3141.3	3066.1	3564.8	3548.6	3520.1
60°	2905.7	2979.1	3303.6	3509.2	3579.0	3233.0	3167.7	3618.6	3554.6	3520.1
62.5°	3071.7	3088.7	3362.7	3557.6	3656.4	3436.6	3453.6	3710.3	3512.7	3456.3
65°	3149.1	3157.9	3361.9	3471.0	3581.5	3595.2	3713.0	3713.0	3410.3	3323.7
67.5°	3116.8	3074.4	3195.2	3183.9	3294.3	3501.0	3810.5	3576.9	3214.5	3102.5
70°	2853.5	2690.6	2637.0	2641.8	2726.3	3045.2	3617.4	3176.3	2843.9	2713.0
72.5°	2374.2	1983.6	1851.1	2002.3	2024.3	2340.3	3082.8	2392.0	2097.3	1974.6
75°	1909.7	1398.3	1182.9	1342.5	1379.9	1712.7	2384.8	1489.7	1225.1	1129.5
77.5°	1371.9	1003.7	848.8	837.7	886.1	1086.2	1692.2	749.7	625.3	583.6
80°	779.4	660.6	711.3	671.1	695.5	679.1	804.0	328.8	269.4	251.8
82.5°	470.4	390.5	422.8	352.0	445.5	387.9	309.7	105.3	91.5	87.0
85°	306.0	213.4	111.2	74.5	153.5	247.9	69.2	28.7	22.0	17.6
87.5°	105.5	54.4	5.5	2.3	16.4	46.2	2.5	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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