

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: P385664

Luminaire Tested: GAW-SA1B-727-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385664
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-727-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 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: 3785 lumens
Efficiency: N/A
Efficacy: 86.0 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

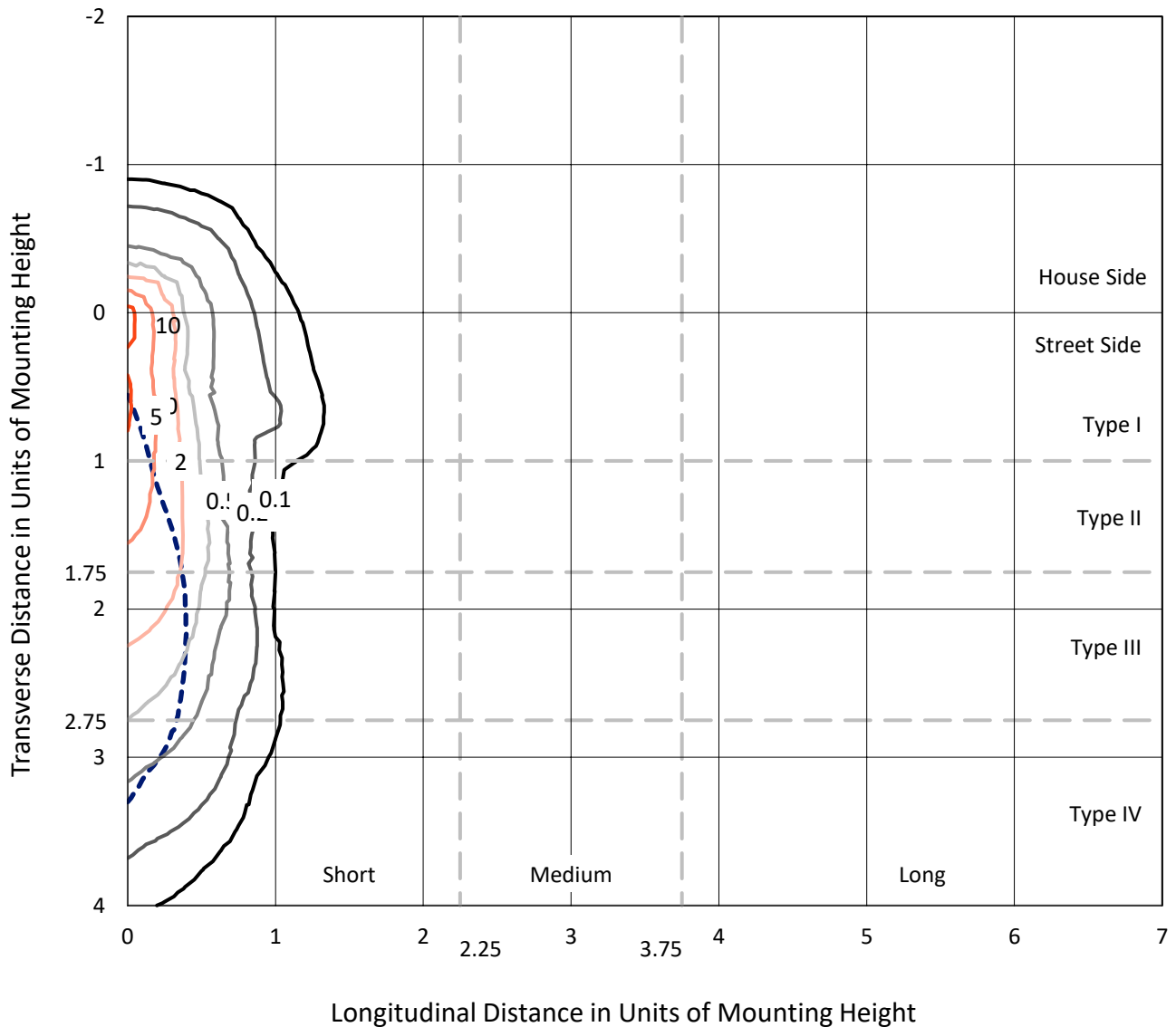
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

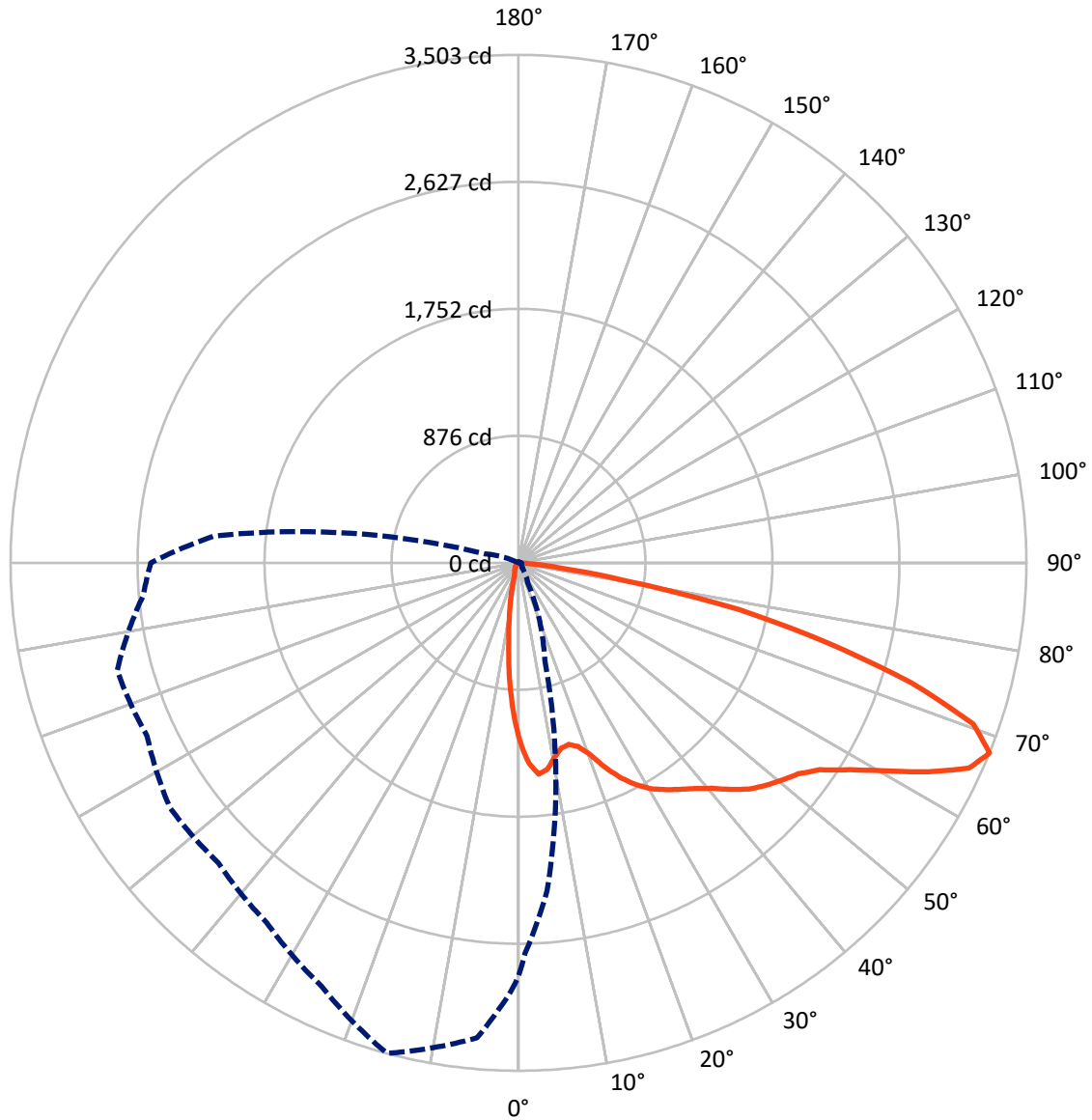
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 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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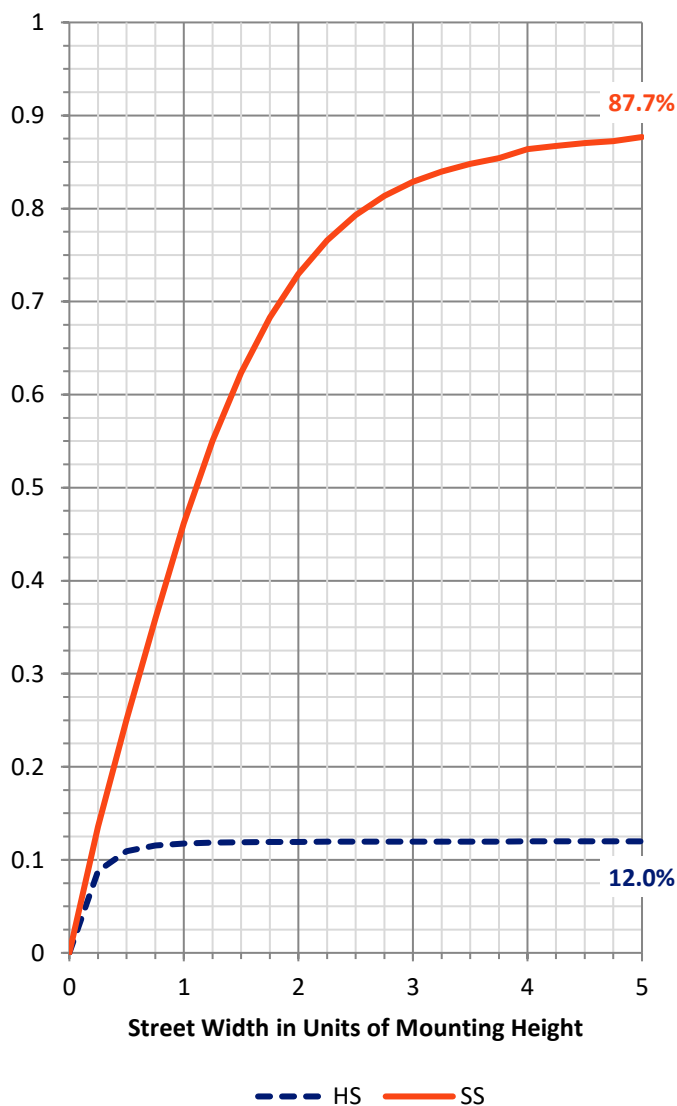
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	458.1	0.0	458.1
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	3326.9	0.0	3326.9
	% Fixture	87.9	0.0	87.9
Total	Lumens	3785.0	0.0	3785.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	2.5
10°-20°	188.4	5.0
20°-30°	267.5	7.1
30°-40°	395.1	10.4
40°-50°	569.8	15.1
50°-60°	799.8	21.1
60°-70°	932.4	24.6
70°-80°	476.6	12.6
80°-90°	60.9	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°	3785.0	100.0
0°-180°	3785.0	100.0

Coefficient of Utilization

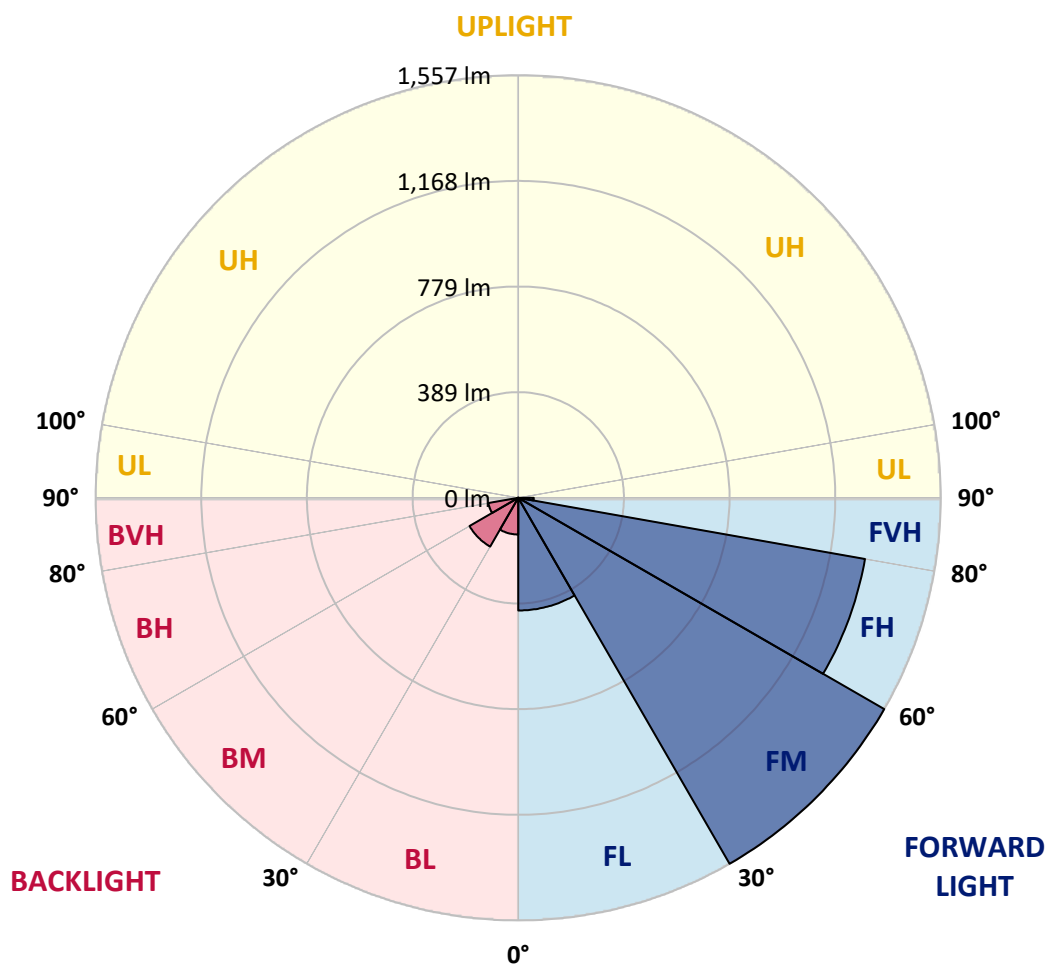


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	415.1	11.0			
FM (30°-60°)	1557.2	41.1			
FH (60°-80°)	1297.4	34.3			G1/1800
FVH (80°-90°)	57.2	1.5			G1/100
BL (0°-30°)	135.3	3.6	B1/500		
BM (30°-60°)	207.4	5.5	B0/220		
BH (60°-80°)	111.7	2.9	B1/500		G1/500
BVH (80°-90°)	3.7	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°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1350.0	1339.6	1328.2	1290.7	1255.9	1216.1	1183.6	1161.1	1132.7	1096.0	1086.6
5°	1340.4	1329.2	1293.2	1209.8	1136.8	1065.8	997.3	957.2	907.3	856.8	844.2
7.5°	1243.0	1231.3	1179.3	1065.1	966.9	864.3	775.3	720.3	664.0	617.7	593.2
10°	1141.7	1129.0	1070.5	931.9	810.9	718.1	652.9	600.3	547.1	497.6	458.1
12.5°	1071.9	1055.3	991.8	834.7	729.3	666.3	605.4	542.4	470.3	417.3	373.9
15°	1042.7	1023.7	956.6	797.2	700.4	626.5	547.1	469.8	385.3	324.6	284.7
17.5°	1065.3	1040.6	968.6	794.7	664.2	563.6	463.2	372.4	280.8	219.3	191.0
20°	1142.0	1109.6	1018.3	794.0	620.2	488.8	361.5	258.9	185.1	148.8	133.9
22.5°	1262.9	1220.0	1089.7	799.7	574.9	410.3	261.1	175.9	139.0	120.1	111.4
25°	1408.9	1359.2	1192.4	820.0	535.1	333.9	189.7	139.0	117.3	103.5	96.1
27.5°	1547.7	1507.3	1322.3	849.2	504.2	272.2	154.0	117.8	100.2	91.1	85.2
30°	1686.3	1635.5	1455.5	884.0	467.1	230.4	135.4	107.4	89.8	80.2	76.4
32.5°	1787.0	1744.9	1559.8	909.1	427.5	203.2	121.0	98.3	83.9	74.1	68.5
35°	1905.6	1857.9	1649.3	914.7	402.0	185.9	108.8	88.4	72.8	64.0	58.1
37.5°	2033.6	1974.2	1752.6	902.5	382.1	177.5	99.7	83.9	68.0	59.0	52.7
40°	2175.2	2108.2	1851.8	884.9	362.6	174.7	92.7	80.5	64.2	55.0	48.6
42.5°	2324.4	2245.4	1937.7	866.4	350.2	164.8	92.0	77.1	61.3	51.5	45.0
45°	2449.8	2369.6	2025.9	860.3	341.4	154.0	95.0	74.8	59.4	48.6	42.3
47.5°	2549.7	2473.8	2116.3	874.0	336.4	144.2	86.6	77.8	58.3	46.1	40.0
50°	2668.9	2583.0	2243.6	914.7	329.0	134.3	78.4	89.1	58.3	44.5	38.0
52.5°	2818.4	2733.4	2385.6	977.8	314.3	120.7	70.5	89.3	58.8	42.3	35.5
55°	3006.5	2944.9	2588.4	1047.0	290.8	100.6	61.0	76.7	56.7	38.4	33.2
57.5°	3186.9	3136.5	2773.3	1094.3	259.5	78.5	53.1	61.9	51.8	33.7	29.6
59°	3236.2	3181.2	2841.0	1096.5	236.0	68.5	49.1	51.1	50.7	31.6	27.4
60°	3236.2	3177.8	2860.6	1085.0	218.9	62.9	46.6	45.5	52.9	30.1	26.2
62.5°	3177.6	3095.5	2797.1	1007.4	178.6	53.6	40.7	37.7	47.5	27.1	23.1
65°	3055.7	2936.1	2580.9	867.0	159.2	49.1	35.1	30.8	33.0	23.8	20.3
67.5°	2852.3	2690.2	2269.0	700.4	151.5	47.9	30.3	26.2	24.9	20.4	17.8
70°	2494.2	2314.4	1890.5	550.7	144.9	47.3	25.5	22.1	20.1	17.2	15.1
72.5°	1815.4	1627.8	1342.2	430.5	140.9	48.4	20.4	18.5	16.5	13.4	11.7
75°	1038.4	915.6	754.4	284.4	120.1	46.3	15.8	15.4	11.8	9.7	8.1
77.5°	536.5	520.2	452.0	109.2	57.6	20.3	10.4	9.0	7.0	5.9	4.8
80°	231.5	229.0	198.1	31.6	15.2	11.3	5.9	3.8	3.2	2.5	2.0
82.5°	80.0	80.0	70.5	10.6	6.8	5.6	0.7	0.0	0.0	0.0	0.0
85°	16.1	18.1	12.7	0.0	2.3	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°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1075.3	1053.6	1052.2	1038.6	1021.5	1013.8	1009.4	1017.2	1026.9	1028.0	1042.5
5°	834.7	811.9	821.4	797.2	802.1	797.2	789.3	790.8	795.1	781.6	798.3
7.5°	586.2	569.0	579.9	573.4	582.1	585.5	580.6	573.4	552.3	549.8	564.3
10°	441.8	422.3	410.6	398.4	401.1	406.7	404.9	399.7	386.2	387.0	400.9
12.5°	355.0	333.2	310.0	280.1	272.7	276.9	272.7	269.7	256.8	257.9	270.2
15°	269.3	251.4	227.2	203.2	190.1	191.3	179.9	171.8	163.7	154.0	161.6
17.5°	181.8	170.9	163.7	156.5	140.9	137.4	122.8	107.2	101.1	96.6	99.9
20°	128.7	122.8	120.0	119.6	110.6	106.2	92.0	82.3	79.3	78.4	80.3
22.5°	107.6	103.3	99.2	96.8	92.3	87.1	76.4	71.5	69.4	68.3	69.8
25°	93.6	90.4	86.1	82.1	80.3	74.8	67.1	63.5	62.0	61.0	61.7
27.5°	83.2	80.3	75.3	72.8	71.4	66.5	59.9	57.0	55.8	55.4	55.2
30°	75.0	72.3	67.6	64.7	62.2	57.9	54.0	51.1	49.8	49.5	49.1
32.5°	66.7	64.6	61.5	58.6	55.9	52.0	48.6	46.3	44.3	43.9	43.8
35°	56.3	54.2	52.5	52.4	49.8	46.1	43.6	40.5	38.9	38.4	38.6
37.5°	50.0	47.2	43.6	44.8	44.1	41.4	38.0	35.0	33.4	33.0	33.0
40°	46.1	43.0	38.9	36.8	38.9	38.4	33.0	29.9	28.3	28.2	27.8
42.5°	42.3	39.3	34.6	31.0	32.1	33.7	28.5	25.6	24.0	23.7	23.1
45°	39.6	36.4	31.2	27.1	24.9	28.3	24.4	20.8	19.9	19.2	18.8
47.5°	37.1	34.1	28.2	23.5	19.9	20.4	19.5	17.0	16.0	15.2	15.1
50°	35.0	31.7	25.5	20.1	16.5	15.1	15.8	13.4	12.6	11.8	11.5
52.5°	32.5	29.4	22.6	17.4	13.8	11.8	12.0	10.6	9.7	9.1	9.0
55°	30.5	27.4	20.3	15.2	12.2	9.7	8.6	8.2	7.7	7.4	7.2
57.5°	27.8	24.9	17.9	12.9	10.4	7.9	6.6	6.6	6.5	6.1	5.9
59°	26.2	23.7	16.5	11.7	9.5	6.8	5.9	6.1	5.9	5.6	5.4
60°	24.9	22.6	15.4	10.8	9.0	6.3	5.4	5.7	5.6	5.2	5.0
62.5°	22.1	20.4	13.3	9.0	7.9	5.0	4.5	4.8	4.8	4.7	4.5
65°	19.4	17.6	11.3	7.5	7.4	4.3	3.6	4.3	4.5	4.1	3.8
67.5°	16.9	15.1	9.9	6.1	6.8	3.4	2.7	3.6	4.8	3.8	3.4
70°	14.3	12.6	7.7	4.8	7.2	2.3	2.2	3.2	5.7	4.1	3.2
72.5°	11.1	9.7	5.4	3.6	7.7	1.6	1.6	2.7	6.5	4.5	3.0
75°	7.7	6.3	3.2	2.2	6.3	1.1	1.1	2.5	6.1	4.1	2.9
77.5°	4.5	3.4	1.1	0.2	3.2	0.0	0.2	1.8	4.3	2.5	1.3
80°	1.6	0.7	0.0	0.0	2.0	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°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1046.3	1070.5	1092.2	1125.0	1163.9	1208.7	1247.3	1288.7	1327.6	1343.8	1354.9
5°	801.7	831.7	866.6	914.9	979.0	1058.1	1132.2	1215.9	1305.9	1350.9	1393.3
7.5°	566.8	597.3	640.7	692.0	769.6	863.8	960.6	1076.2	1198.2	1269.4	1339.5
10°	407.6	445.1	485.6	555.7	634.6	723.9	823.6	952.7	1088.6	1167.5	1252.0
12.5°	277.4	320.1	381.4	459.9	552.6	640.1	726.8	849.9	1007.7	1085.9	1176.5
15°	166.4	190.1	255.0	345.9	459.6	568.6	663.5	787.0	955.2	1051.0	1145.1
17.5°	102.6	113.5	148.8	223.4	342.8	480.7	610.7	765.7	962.7	1079.3	1180.1
20°	81.8	86.1	97.4	132.0	227.2	383.9	551.4	761.4	1024.2	1167.7	1275.8
22.5°	71.0	75.1	82.7	95.9	142.9	287.4	495.1	765.3	1112.5	1300.2	1426.4
25°	62.6	66.2	73.3	84.3	104.7	202.4	434.8	782.9	1227.4	1464.6	1598.8
27.5°	55.9	59.0	65.6	75.7	89.8	141.3	366.5	804.2	1363.7	1632.8	1765.2
30°	49.8	52.5	58.5	67.8	78.0	108.7	291.6	818.7	1500.1	1765.2	1884.0
32.5°	44.6	46.6	52.0	59.9	67.8	86.6	221.6	816.4	1601.4	1875.3	1969.6
35°	39.3	41.2	45.9	52.7	59.0	71.5	174.3	772.8	1689.7	1989.5	2067.5
37.5°	33.4	35.9	40.3	46.4	50.7	62.9	140.9	720.3	1779.1	2120.0	2176.7
40°	28.3	30.8	34.8	41.4	44.1	59.7	108.3	656.3	1879.7	2266.0	2296.5
42.5°	23.5	25.8	29.9	35.7	41.6	51.5	80.2	583.1	1976.4	2390.8	2405.7
45°	19.0	21.3	25.6	31.4	44.5	42.7	62.0	504.8	2054.4	2494.6	2499.4
47.5°	15.1	17.2	21.7	29.6	41.4	34.1	44.3	443.3	2119.8	2575.7	2562.9
50°	11.7	13.4	18.1	33.9	36.2	28.2	33.5	422.8	2178.5	2625.9	2592.9
52.5°	9.1	10.8	14.9	31.7	28.2	23.3	28.2	442.0	2258.8	2667.5	2609.7
55°	7.4	9.0	11.7	18.1	19.2	19.7	24.0	459.9	2397.4	2765.0	2709.2
57.5°	6.1	7.7	9.5	12.7	14.5	16.7	21.3	461.9	2560.8	2927.1	2874.4
59°	5.6	7.0	8.6	11.3	12.7	15.2	20.1	451.2	2618.3	2986.1	2959.7
60°	5.2	6.6	8.1	10.4	11.8	14.3	19.4	440.9	2620.8	2983.9	2996.1
62.5°	4.5	5.9	7.2	8.8	10.0	12.2	17.4	403.1	2514.7	2886.2	2974.3
65°	3.9	5.2	6.5	7.5	8.6	10.9	15.8	334.1	2333.4	2728.6	2824.5
67.5°	3.6	4.5	5.9	6.6	7.7	9.7	14.0	238.1	2106.9	2535.8	2598.1
70°	3.2	4.3	5.4	6.1	7.0	8.4	12.0	136.8	1779.1	2253.6	2297.9
72.5°	3.0	4.1	4.8	5.7	6.3	7.5	10.9	64.4	1302.7	1805.3	1921.0
75°	2.7	3.8	4.5	5.4	5.9	6.8	9.3	30.8	866.4	1306.5	1437.9
77.5°	1.6	3.0	4.1	4.8	5.2	5.9	7.7	17.8	553.0	904.3	1065.1
80°	0.0	1.1	3.0	4.1	4.5	5.0	5.9	14.0	295.9	516.6	620.1
82.5°	0.0	0.0	2.2	3.2	3.0	3.4	4.5	8.8	133.4	337.6	380.5
85°	0.0	0.0	0.7	2.5	2.2	1.6	3.0	3.0	29.2	170.9	213.2
87.5°	0.0	0.0	0.0	0.2	1.1	0.7	1.3	0.4	0.2	12.7	51.6
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°	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1393.8	1407.1	1429.5	1440.1	1434.9	1412.8	1386.4	1359.6	1343.8	1350.0
5°	1479.5	1547.8	1587.3	1600.4	1578.5	1529.0	1464.3	1378.9	1348.6	1340.4
7.5°	1479.5	1608.1	1689.5	1703.8	1655.1	1558.1	1436.7	1303.4	1259.1	1243.0
10°	1427.5	1602.5	1716.0	1738.8	1670.7	1525.6	1363.0	1210.9	1158.4	1141.7
12.5°	1368.9	1557.3	1676.9	1708.3	1652.4	1493.3	1311.9	1148.3	1086.5	1071.9
15°	1332.8	1501.7	1600.7	1623.5	1599.8	1474.5	1299.7	1129.5	1056.7	1042.7
17.5°	1345.7	1458.7	1494.4	1507.7	1523.6	1467.9	1332.8	1170.7	1078.6	1065.3
20°	1394.3	1413.3	1394.9	1411.6	1454.6	1474.3	1411.9	1270.4	1159.8	1142.0
22.5°	1476.8	1389.9	1338.0	1344.7	1397.0	1495.7	1532.8	1412.8	1285.1	1262.9
25°	1572.9	1408.9	1306.5	1300.6	1354.4	1523.8	1643.2	1567.7	1433.4	1408.9
27.5°	1693.8	1451.5	1300.0	1294.1	1339.5	1550.2	1735.0	1720.9	1589.6	1547.7
30°	1787.0	1493.5	1319.2	1305.6	1354.4	1568.5	1808.7	1850.9	1714.1	1686.3
32.5°	1853.9	1543.0	1350.4	1330.7	1396.3	1600.0	1865.6	1969.9	1829.2	1787.0
35°	1904.8	1596.8	1400.8	1368.3	1454.0	1647.9	1918.8	2096.7	1951.6	1905.6
37.5°	1952.5	1672.3	1479.5	1440.8	1544.6	1725.0	1975.1	2240.5	2088.6	2033.6
40°	2019.1	1757.8	1600.9	1566.5	1696.8	1830.1	2045.4	2390.4	2244.5	2175.2
42.5°	2085.6	1849.6	1725.2	1734.5	1886.7	1957.7	2136.2	2548.9	2398.3	2324.4
45°	2146.4	1944.3	1902.2	1945.2	2063.0	2097.8	2226.4	2640.6	2521.1	2449.8
47.5°	2200.5	2062.6	2078.1	2192.6	2263.5	2224.6	2293.8	2719.6	2612.6	2549.7
50°	2263.5	2215.8	2309.9	2472.0	2494.2	2339.3	2355.1	2813.2	2719.5	2668.9
52.5°	2332.3	2377.2	2566.7	2709.6	2702.4	2463.9	2416.8	2918.1	2866.0	2818.4
55°	2410.5	2507.5	2792.8	2931.9	2925.9	2603.1	2519.0	3047.8	3049.6	3006.5
57.5°	2526.5	2619.8	2946.3	3111.8	3122.0	2763.8	2692.2	3193.0	3215.6	3186.9
59°	2609.7	2692.6	3007.1	3186.9	3228.5	2888.0	2818.8	3277.3	3262.4	3236.2
60°	2671.4	2738.8	3037.2	3226.2	3290.4	2972.3	2912.2	3326.8	3268.0	3236.2
62.5°	2824.0	2839.6	3091.5	3270.7	3361.6	3159.5	3175.1	3411.1	3229.4	3177.6
65°	2895.2	2903.3	3090.8	3191.1	3292.7	3305.3	3413.6	3413.6	3135.3	3055.7
67.5°	2865.4	2826.5	2937.5	2927.1	3028.6	3218.7	3503.2	3288.4	2955.3	2852.3
70°	2623.4	2473.6	2424.3	2428.8	2506.4	2799.6	3325.7	2920.1	2614.6	2494.2
72.5°	2182.8	1823.6	1701.9	1840.8	1861.1	2151.6	2834.2	2199.1	1928.2	1815.4
75°	1755.7	1285.5	1087.5	1234.2	1268.6	1574.5	2192.5	1369.6	1126.3	1038.4
77.5°	1261.3	922.7	780.4	770.1	814.6	998.6	1555.7	689.3	574.9	536.5
80°	716.5	607.3	654.0	617.0	639.4	624.4	739.1	302.3	247.6	231.5
82.5°	432.5	359.0	388.8	323.7	409.6	356.7	284.7	96.8	84.1	80.0
85°	281.3	196.2	102.2	68.5	141.1	227.9	63.7	26.4	20.3	16.1
87.5°	97.0	50.0	5.0	2.2	15.1	42.5	2.3	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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