

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: P385692

Luminaire Tested: GAW-SA1B-730-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385692
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-730-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 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: 4122 lumens
Efficiency: N/A
Efficacy: 93.7 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

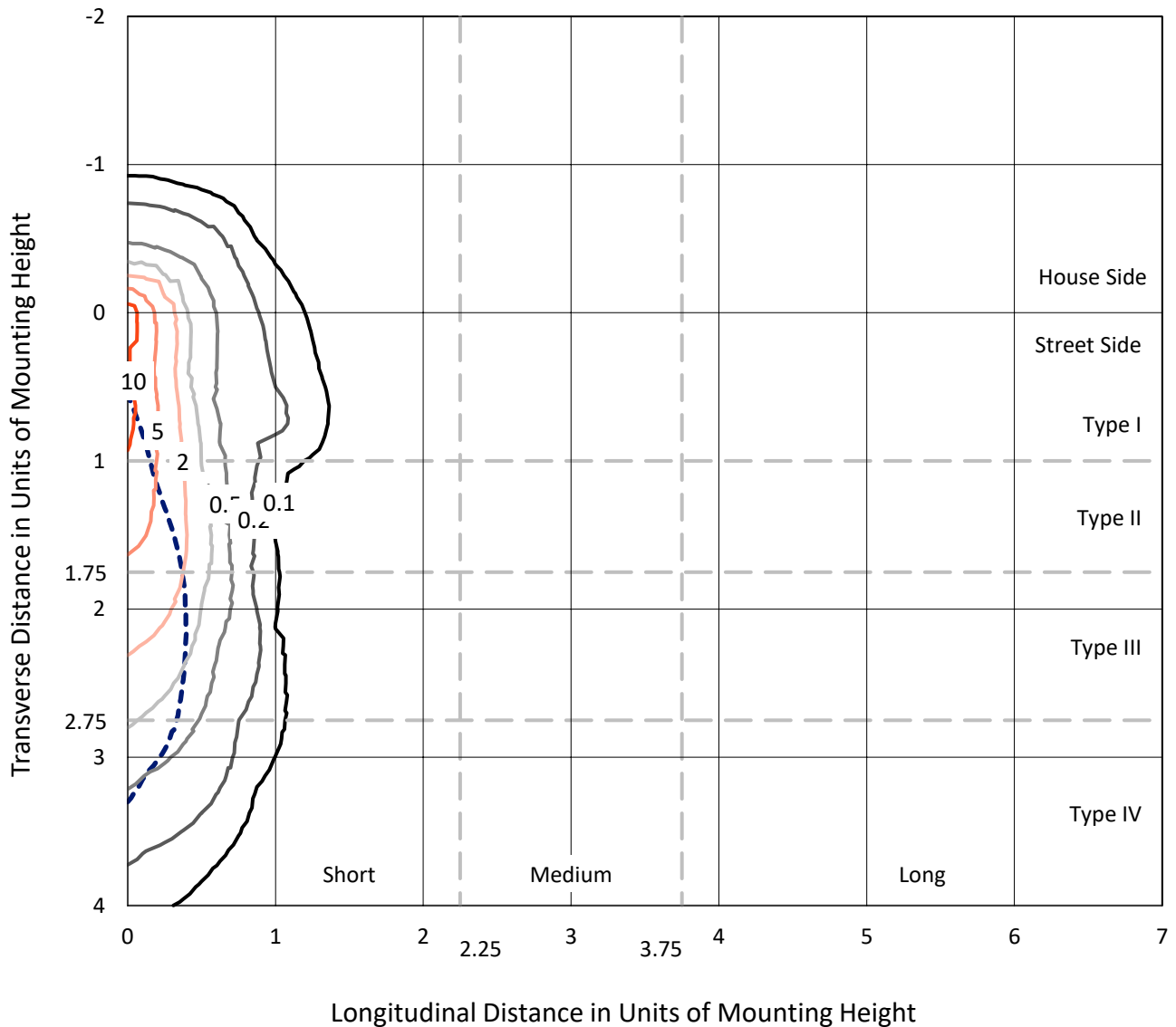
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

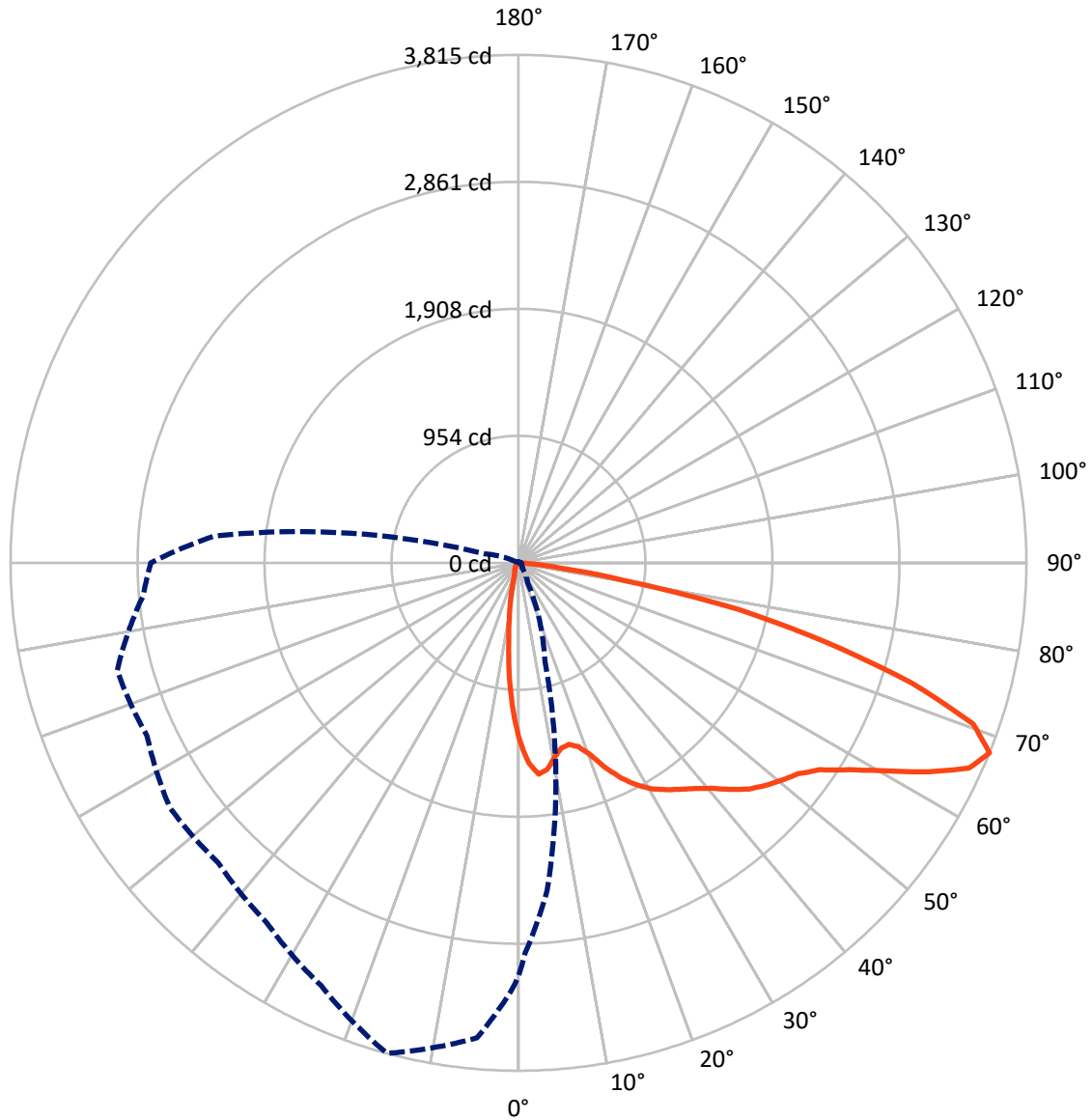
× Max cd
 - - - 1/2 Max cd



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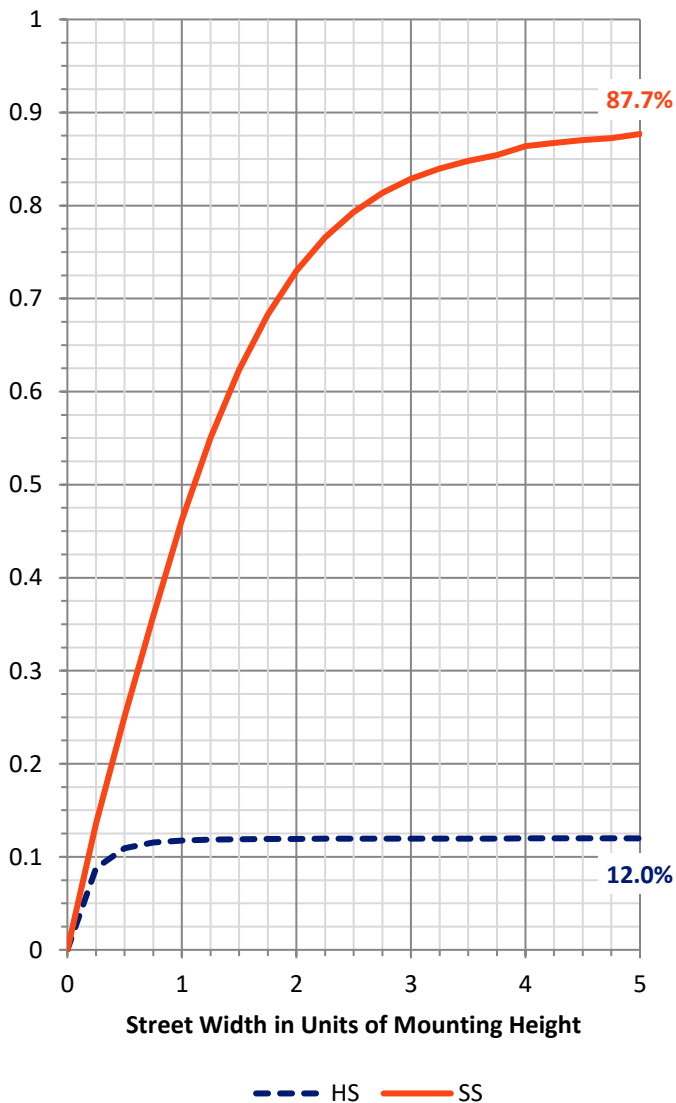
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	498.9	0.0	498.9
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	3623.1	0.0	3623.1
	% Fixture	87.9	0.0	87.9
Total	Lumens	4122.0	0.0	4122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	2.5
10°-20°	205.1	5.0
20°-30°	291.3	7.1
30°-40°	430.2	10.4
40°-50°	620.5	15.1
50°-60°	871.0	21.1
60°-70°	1015.4	24.6
70°-80°	519.1	12.6
80°-90°	66.3	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°	4122.0	100.0
0°-180°	4122.0	100.0

Coefficient of Utilization

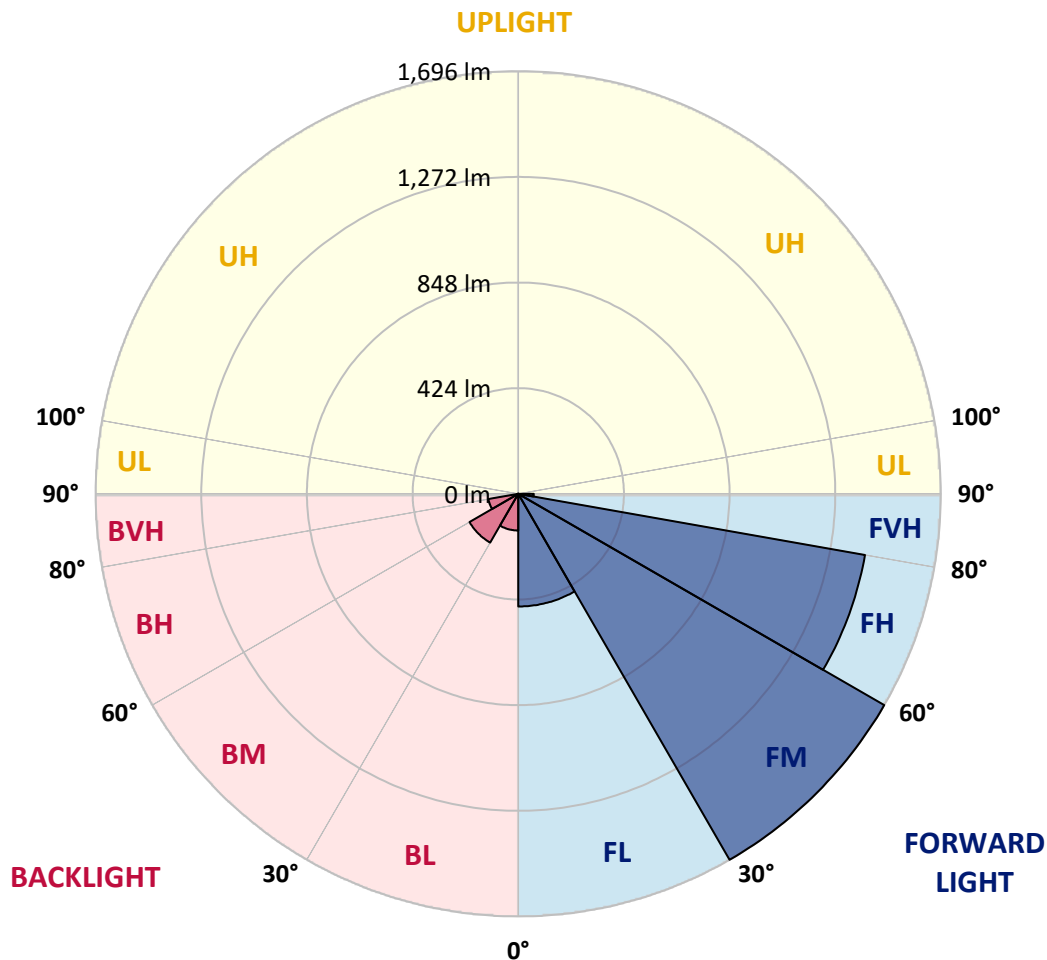


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	452.1	11.0			
FM (30°-60°)	1695.9	41.1			
FH (60°-80°)	1412.9	34.3			G1/1800
FVH (80°-90°)	62.3	1.5			G1/100
BL (0°-30°)	147.4	3.6	B1/500		
BM (30°-60°)	225.9	5.5	B1/1000		
BH (60°-80°)	121.6	2.9	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°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7
2.5°	1470.3	1458.9	1446.4	1405.6	1367.7	1324.4	1289.0	1264.4	1233.6	1193.5	1183.4
5°	1459.7	1447.6	1408.3	1317.5	1238.1	1160.7	1086.1	1042.4	988.1	933.0	919.4
7.5°	1353.7	1341.0	1284.3	1160.0	1052.9	941.2	844.4	784.4	723.1	672.7	646.0
10°	1243.3	1229.5	1165.8	1014.9	883.0	782.1	711.0	653.8	595.8	541.9	498.9
12.5°	1167.4	1149.2	1080.1	909.0	794.2	725.7	659.3	590.7	512.2	454.4	407.2
15°	1135.5	1114.8	1041.8	868.2	762.8	682.3	595.8	511.6	419.7	353.5	310.1
17.5°	1160.1	1133.2	1054.9	865.5	723.3	613.8	504.4	405.6	305.8	238.8	208.0
20°	1243.7	1208.4	1109.0	864.7	675.5	532.3	393.7	282.0	201.5	162.1	145.9
22.5°	1375.3	1328.7	1186.7	870.9	626.1	446.8	284.3	191.6	151.3	130.8	121.3
25°	1534.3	1480.2	1298.6	893.0	582.7	363.6	206.6	151.3	127.7	112.7	104.7
27.5°	1685.4	1641.5	1440.0	924.8	549.1	296.4	167.7	128.3	109.2	99.2	92.8
30°	1836.4	1781.1	1585.1	962.7	508.7	250.9	147.4	117.0	97.8	87.3	83.2
32.5°	1946.1	1900.3	1698.7	990.1	465.5	221.3	131.8	107.0	91.4	80.6	74.6
35°	2075.2	2023.3	1796.2	996.1	437.8	202.5	118.5	96.3	79.3	69.7	63.3
37.5°	2214.7	2150.0	1908.7	982.8	416.1	193.3	108.6	91.4	74.0	64.2	57.4
40°	2368.9	2295.9	2016.6	963.7	394.9	190.2	101.0	87.7	69.9	60.0	52.9
42.5°	2531.4	2445.3	2110.2	943.6	381.4	179.5	100.2	84.0	66.8	56.0	49.0
45°	2667.9	2580.6	2206.3	936.9	371.8	167.7	103.5	81.4	64.6	52.9	46.1
47.5°	2776.7	2694.1	2304.7	951.8	366.3	157.0	94.3	84.8	63.5	50.2	43.5
50°	2906.5	2813.0	2443.3	996.1	358.3	146.3	85.3	97.1	63.5	48.4	41.4
52.5°	3069.4	2976.8	2598.0	1064.9	342.3	131.4	76.7	97.2	64.1	46.1	38.7
55°	3274.2	3207.1	2818.8	1140.2	316.7	109.6	66.4	83.6	61.7	41.8	36.1
57.5°	3470.7	3415.8	3020.2	1191.8	282.6	85.5	57.8	67.4	56.4	36.7	32.2
59°	3524.4	3464.4	3094.0	1194.1	257.0	74.6	53.5	55.7	55.3	34.4	29.9
60°	3524.4	3460.7	3115.3	1181.6	238.4	68.5	50.8	49.6	57.6	32.8	28.5
62.5°	3460.5	3371.1	3046.1	1097.1	194.5	58.4	44.3	41.0	51.7	29.5	25.2
65°	3327.7	3197.5	2810.6	944.2	173.4	53.5	38.3	33.6	35.9	26.0	22.1
67.5°	3106.3	2929.8	2471.1	762.8	165.0	52.1	33.0	28.5	27.1	22.3	19.3
70°	2716.3	2520.5	2058.8	599.7	157.8	51.6	27.7	24.0	21.9	18.7	16.4
72.5°	1977.0	1772.7	1461.7	468.9	153.5	52.7	22.3	20.1	18.0	14.6	12.7
75°	1130.9	997.1	821.5	309.7	130.8	50.4	17.2	16.8	12.9	10.5	8.8
77.5°	584.3	566.5	492.3	118.9	62.7	22.1	11.3	9.8	7.6	6.4	5.3
80°	252.1	249.4	215.8	34.4	16.6	12.3	6.4	4.1	3.5	2.7	2.1
82.5°	87.1	87.1	76.7	11.5	7.4	6.1	0.8	0.0	0.0	0.0	0.0
85°	17.6	19.7	13.9	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°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7
2.5°	1171.1	1147.5	1145.9	1131.1	1112.5	1104.1	1099.2	1107.8	1118.4	1119.5	1135.3
5°	909.0	884.2	894.6	868.2	873.5	868.2	859.6	861.2	865.9	851.2	869.4
7.5°	638.4	619.6	631.5	624.5	633.9	637.6	632.3	624.5	601.5	598.7	614.5
10°	481.2	459.9	447.2	433.9	436.8	442.9	440.9	435.3	420.6	421.4	436.6
12.5°	386.7	362.8	337.6	305.0	297.0	301.5	297.0	293.7	279.6	280.8	294.3
15°	293.3	273.8	247.4	221.3	207.0	208.4	195.9	187.1	178.3	167.7	175.9
17.5°	198.0	186.1	178.3	170.5	153.5	149.6	133.8	116.8	110.1	105.3	108.8
20°	140.2	133.8	130.6	130.3	120.5	115.6	100.2	89.6	86.3	85.3	87.5
22.5°	117.2	112.5	108.0	105.5	100.6	94.9	83.2	77.9	75.6	74.4	76.0
25°	101.9	98.4	93.7	89.4	87.5	81.4	73.0	69.1	67.6	66.4	67.2
27.5°	90.6	87.5	82.0	79.3	77.7	72.4	65.2	62.1	60.7	60.3	60.1
30°	81.6	78.7	73.6	70.5	67.8	63.1	58.8	55.7	54.3	53.9	53.5
32.5°	72.6	70.3	67.0	63.9	60.9	56.6	52.9	50.4	48.2	47.8	47.6
35°	61.3	59.0	57.2	57.0	54.3	50.2	47.5	44.1	42.4	41.8	42.0
37.5°	54.5	51.4	47.5	48.8	48.0	45.1	41.4	38.1	36.3	35.9	35.9
40°	50.2	46.9	42.4	40.0	42.4	41.8	35.9	32.6	30.9	30.7	30.3
42.5°	46.1	42.8	37.7	33.8	35.0	36.7	31.0	27.9	26.2	25.8	25.2
45°	43.2	39.6	34.0	29.5	27.1	30.9	26.6	22.7	21.7	20.9	20.5
47.5°	40.4	37.1	30.7	25.6	21.7	22.3	21.3	18.6	17.4	16.6	16.4
50°	38.1	34.6	27.7	21.9	18.0	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	10.0	9.8
55°	33.2	29.9	22.1	16.6	13.3	10.5	9.4	9.0	8.4	8.0	7.8
57.5°	30.3	27.1	19.5	14.1	11.3	8.6	7.2	7.2	7.0	6.6	6.4
59°	28.5	25.8	18.0	12.7	10.3	7.4	6.4	6.6	6.4	6.1	5.9
60°	27.1	24.6	16.8	11.7	9.8	6.8	5.9	6.2	6.1	5.7	5.5
62.5°	24.0	22.3	14.5	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°	18.4	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°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7
2.5°	1139.4	1165.8	1189.4	1225.2	1267.6	1316.4	1358.4	1403.5	1445.8	1463.4	1475.5
5°	873.1	905.7	943.8	996.3	1066.2	1152.3	1233.0	1324.2	1422.2	1471.2	1517.3
7.5°	617.3	650.5	697.7	753.6	838.1	940.7	1046.1	1172.1	1304.8	1382.4	1458.7
10°	443.9	484.7	528.8	605.2	691.1	788.3	896.9	1037.5	1185.5	1271.5	1363.4
12.5°	302.1	348.6	415.4	500.9	601.8	697.1	791.5	925.6	1097.5	1182.6	1281.2
15°	181.2	207.0	277.7	376.7	500.5	619.2	722.5	857.1	1040.2	1144.5	1247.0
17.5°	111.7	123.6	162.1	243.3	373.4	523.5	665.1	833.8	1048.4	1175.4	1285.1
20°	89.0	93.7	106.0	143.7	247.4	418.1	600.5	829.2	1115.4	1271.7	1389.4
22.5°	77.3	81.8	90.0	104.5	155.6	313.0	539.2	833.4	1211.5	1416.0	1553.4
25°	68.2	72.1	79.9	91.8	114.0	220.5	473.5	852.6	1336.7	1595.0	1741.1
27.5°	60.9	64.2	71.5	82.4	97.8	153.9	399.1	875.8	1485.1	1778.2	1922.3
30°	54.3	57.2	63.7	73.8	84.9	118.3	317.5	891.6	1633.7	1922.3	2051.8
32.5°	48.6	50.8	56.6	65.2	73.8	94.3	241.4	889.1	1744.0	2042.2	2144.9
35°	42.8	44.9	50.0	57.4	64.2	77.9	189.8	841.6	1840.1	2166.6	2251.6
37.5°	36.3	39.1	43.9	50.6	55.3	68.5	153.5	784.4	1937.6	2308.8	2370.5
40°	30.9	33.6	37.9	45.1	48.0	65.0	117.9	714.7	2047.1	2467.7	2500.9
42.5°	25.6	28.1	32.6	38.9	45.3	56.0	87.3	635.0	2152.4	2603.6	2619.9
45°	20.7	23.2	27.9	34.2	48.4	46.5	67.6	549.7	2237.3	2716.7	2722.0
47.5°	16.4	18.7	23.6	32.2	45.1	37.1	48.2	482.7	2308.6	2805.0	2791.1
50°	12.7	14.6	19.7	36.9	39.4	30.7	36.5	460.5	2372.4	2859.7	2823.7
52.5°	10.0	11.7	16.2	34.6	30.7	25.4	30.7	481.4	2459.9	2905.0	2842.1
55°	8.0	9.8	12.7	19.7	20.9	21.5	26.2	500.9	2610.9	3011.2	2950.5
57.5°	6.6	8.4	10.3	13.9	15.8	18.2	23.2	503.0	2788.8	3187.7	3130.3
59°	6.1	7.6	9.4	12.3	13.9	16.6	21.9	491.3	2851.5	3252.0	3223.3
60°	5.7	7.2	8.8	11.3	12.9	15.6	21.1	480.2	2854.2	3249.6	3262.9
62.5°	4.9	6.4	7.8	9.6	10.9	13.3	18.9	439.0	2738.6	3143.2	3239.1
65°	4.3	5.7	7.0	8.2	9.4	11.9	17.2	363.8	2541.2	2971.6	3076.0
67.5°	3.9	4.9	6.4	7.2	8.4	10.5	15.2	259.3	2294.5	2761.6	2829.4
70°	3.5	4.7	5.9	6.6	7.6	9.2	13.1	149.0	1937.6	2454.3	2502.5
72.5°	3.3	4.5	5.3	6.2	6.8	8.2	11.9	70.1	1418.7	1966.1	2092.0
75°	2.9	4.1	4.9	5.9	6.4	7.4	10.2	33.6	943.6	1422.8	1565.9
77.5°	1.8	3.3	4.5	5.3	5.7	6.4	8.4	19.3	602.2	984.8	1160.0
80°	0.0	1.2	3.3	4.5	4.9	5.5	6.4	15.2	322.2	562.6	675.3
82.5°	0.0	0.0	2.3	3.5	3.3	3.7	4.9	9.6	145.3	367.7	414.4
85°	0.0	0.0	0.8	2.7	2.3	1.8	3.3	3.3	31.8	186.1	232.2
87.5°	0.0	0.0	0.0	0.2	1.2	0.8	1.4	0.4	0.2	13.9	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°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7
2.5°	1517.9	1532.3	1556.8	1568.3	1562.6	1538.6	1509.9	1480.6	1463.4	1470.3
5°	1611.2	1685.6	1728.6	1742.9	1719.0	1665.1	1594.6	1501.7	1468.7	1459.7
7.5°	1611.2	1751.3	1839.9	1855.5	1802.4	1696.8	1564.6	1419.5	1371.2	1353.7
10°	1554.6	1745.2	1868.8	1893.6	1819.4	1661.4	1484.3	1318.7	1261.5	1243.3
12.5°	1490.8	1696.0	1826.2	1860.4	1799.5	1626.3	1428.7	1250.6	1183.2	1167.4
15°	1451.5	1635.5	1743.2	1768.1	1742.3	1605.8	1415.4	1230.1	1150.8	1135.5
17.5°	1465.6	1588.6	1627.4	1641.9	1659.3	1598.5	1451.5	1275.0	1174.6	1160.1
20°	1518.5	1539.2	1519.1	1537.2	1584.1	1605.6	1537.6	1383.5	1263.1	1243.7
22.5°	1608.3	1513.6	1457.2	1464.4	1521.4	1628.8	1669.2	1538.6	1399.6	1375.3
25°	1713.0	1534.3	1422.8	1416.4	1474.9	1659.5	1789.5	1707.3	1561.1	1534.3
27.5°	1844.6	1580.8	1415.8	1409.3	1458.7	1688.2	1889.5	1874.1	1731.1	1685.4
30°	1946.1	1626.5	1436.7	1421.8	1474.9	1708.1	1969.8	2015.7	1866.7	1836.4
32.5°	2019.0	1680.4	1470.6	1449.2	1520.6	1742.5	2031.7	2145.3	1992.0	1946.1
35°	2074.4	1739.0	1525.5	1490.2	1583.5	1794.6	2089.7	2283.4	2125.4	2075.2
37.5°	2126.4	1821.2	1611.2	1569.1	1682.1	1878.6	2151.0	2440.0	2274.6	2214.7
40°	2198.8	1914.3	1743.4	1706.0	1847.9	1993.0	2227.5	2603.3	2444.3	2368.9
42.5°	2271.3	2014.3	1878.8	1888.9	2054.7	2132.0	2326.4	2775.9	2611.8	2531.4
45°	2337.5	2117.4	2071.5	2118.4	2246.7	2284.6	2424.6	2875.7	2745.6	2667.9
47.5°	2396.5	2246.3	2263.1	2387.9	2465.0	2422.6	2498.0	2961.8	2845.2	2776.7
50°	2465.0	2413.1	2515.6	2692.1	2716.3	2547.6	2564.8	3063.7	2961.6	2906.5
52.5°	2540.0	2588.8	2795.2	2950.9	2943.0	2683.3	2632.0	3178.0	3121.1	3069.4
55°	2625.1	2730.8	3041.5	3193.0	3186.4	2834.9	2743.3	3319.1	3321.1	3274.2
57.5°	2751.5	2853.0	3208.6	3388.9	3400.0	3009.8	2931.9	3477.3	3501.9	3470.7
59°	2842.1	2932.3	3274.8	3470.7	3516.0	3145.2	3069.8	3569.1	3552.9	3524.4
60°	2909.3	2982.7	3307.6	3513.4	3583.4	3236.9	3171.5	3623.0	3558.9	3524.4
62.5°	3075.4	3092.4	3366.8	3561.9	3660.9	3440.8	3457.8	3714.8	3517.0	3460.5
65°	3153.0	3161.8	3366.0	3475.2	3585.9	3599.6	3717.5	3717.5	3414.4	3327.7
67.5°	3120.5	3078.2	3199.0	3187.7	3298.3	3505.2	3815.2	3581.2	3218.4	3106.3
70°	2856.9	2693.9	2640.2	2645.0	2729.6	3048.9	3621.8	3180.1	2847.4	2716.3
72.5°	2377.1	1986.0	1853.4	2004.7	2026.8	2343.1	3086.6	2394.9	2099.8	1977.0
75°	1912.0	1400.0	1184.4	1344.1	1381.6	1714.7	2387.7	1491.5	1226.5	1130.9
77.5°	1373.6	1004.9	849.9	838.7	887.1	1087.5	1694.2	750.6	626.1	584.3
80°	780.3	661.4	712.2	672.0	696.4	680.0	804.9	329.2	269.7	252.1
82.5°	471.0	390.9	423.4	352.5	446.0	388.4	310.1	105.5	91.6	87.1
85°	306.4	213.6	111.3	74.6	153.7	248.2	69.3	28.7	22.1	17.6
87.5°	105.6	54.5	5.5	2.3	16.4	46.3	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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