

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: P385748

Luminaire Tested: GAW-SA1B-750-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385748
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-750-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 5000K, 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: 4525 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

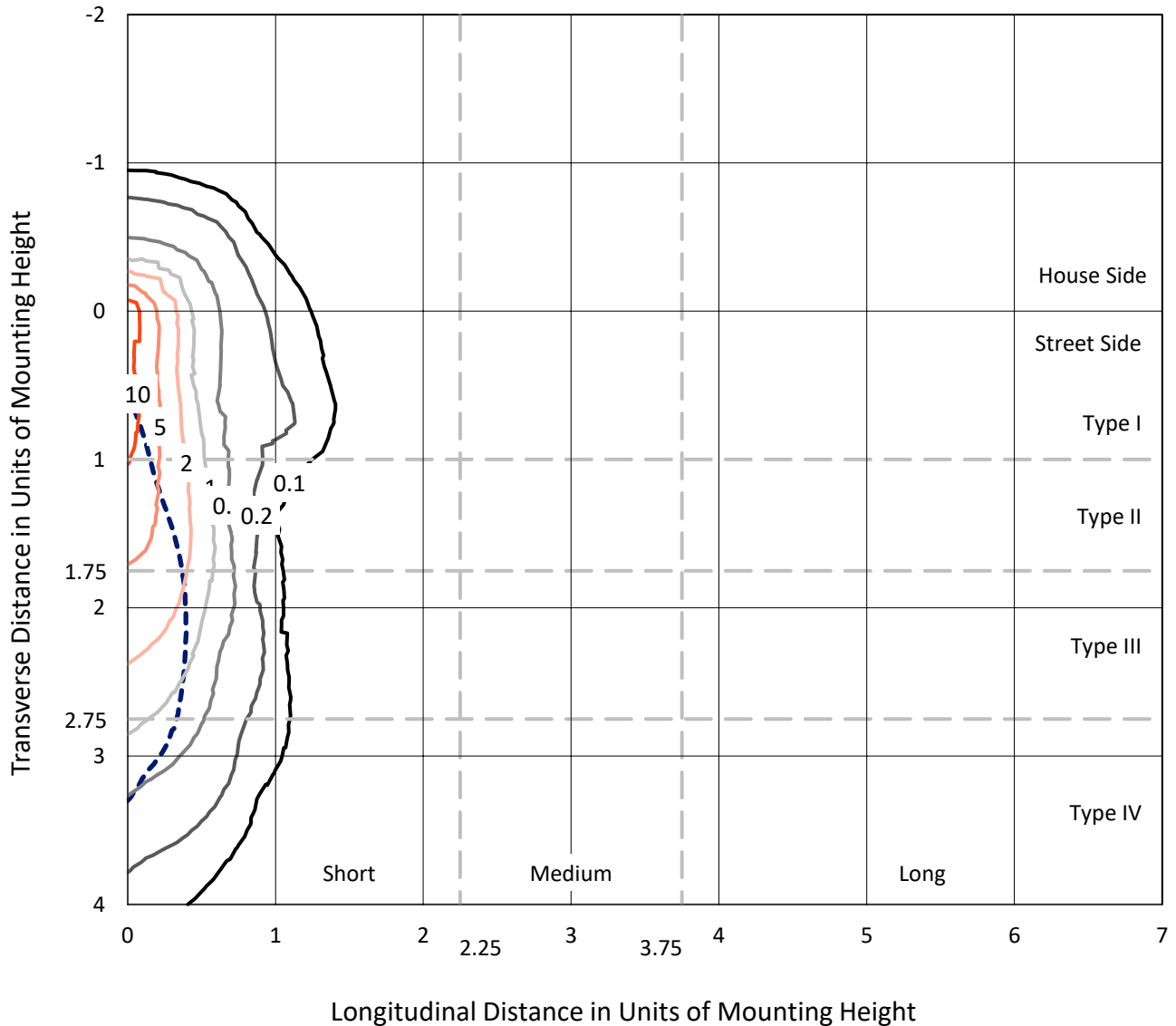
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

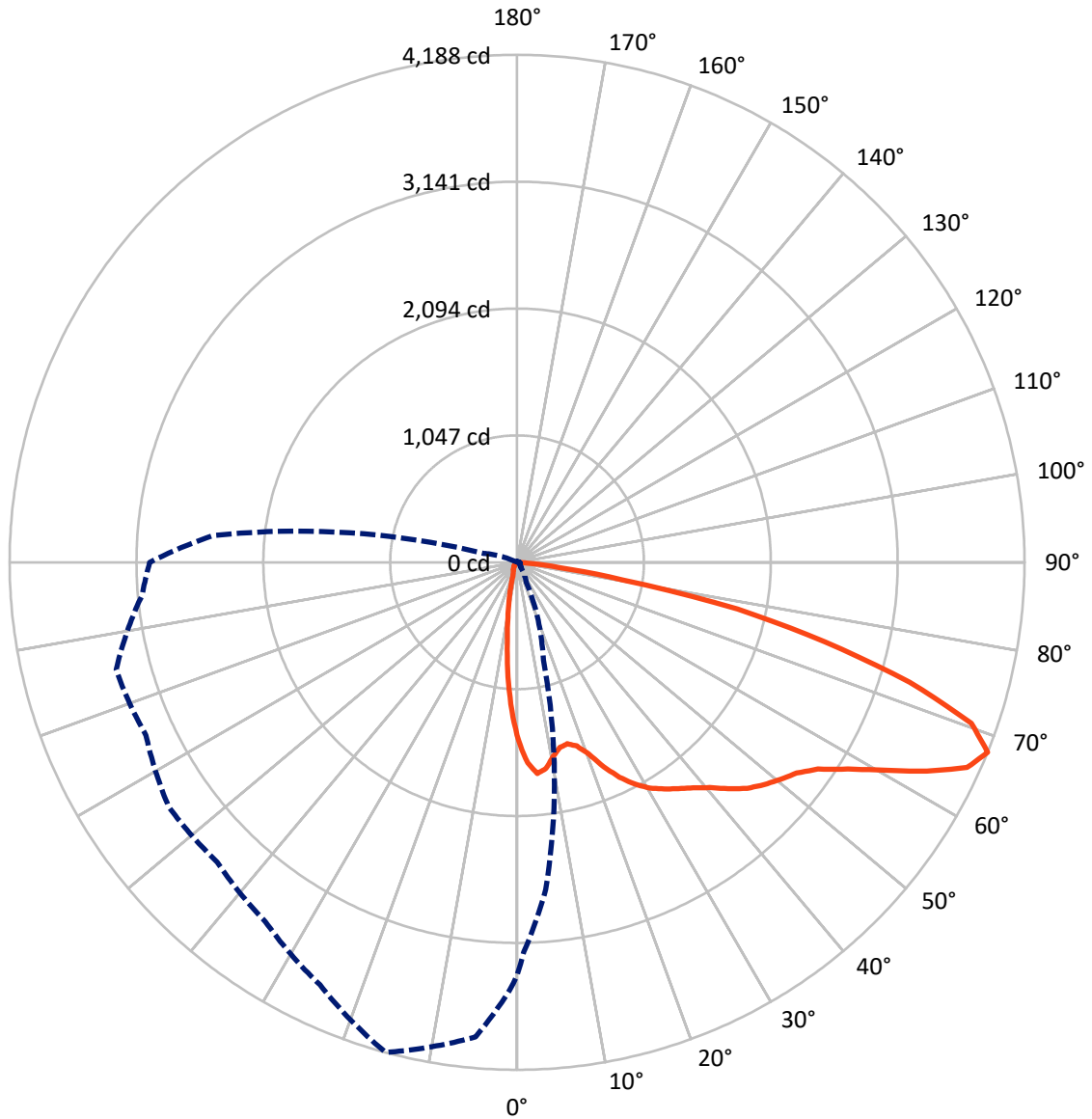
× Max cd
 - - - 1/2 Max cd



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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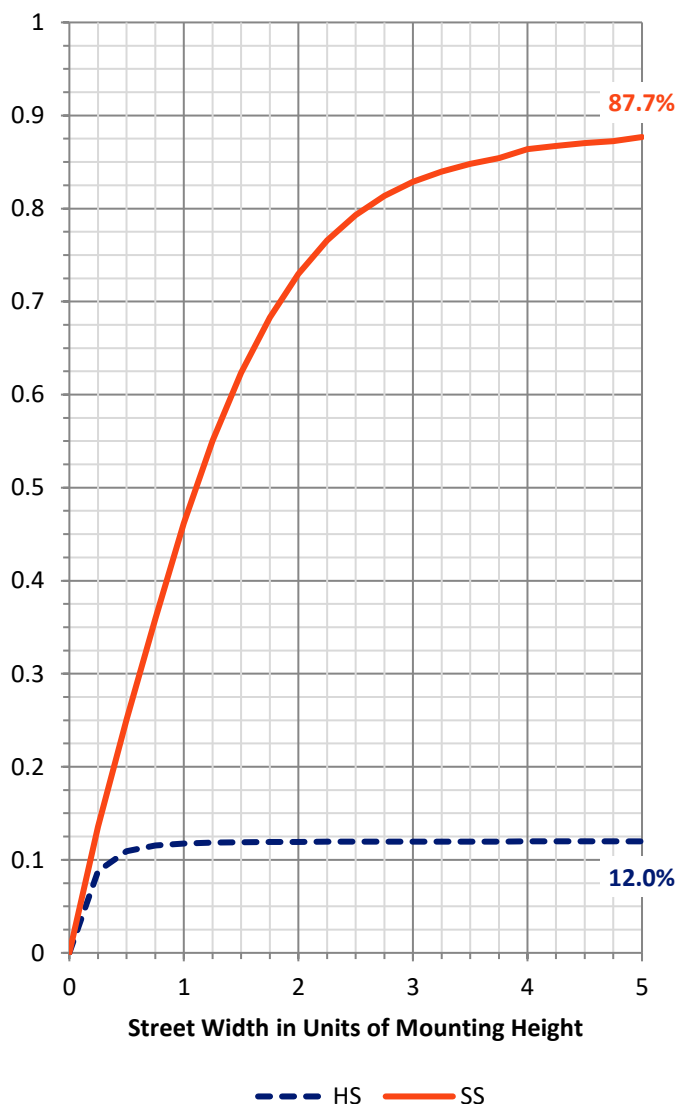
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	547.7	0.0	547.7
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	3977.3	0.0	3977.3
	% Fixture	87.9	0.0	87.9
Total	Lumens	4525.0	0.0	4525.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	2.5
10°-20°	225.2	5.0
20°-30°	319.8	7.1
30°-40°	472.3	10.4
40°-50°	681.2	15.1
50°-60°	956.2	21.1
60°-70°	1114.7	24.6
70°-80°	569.8	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°	4525.0	100.0
0°-180°	4525.0	100.0

Coefficient of Utilization



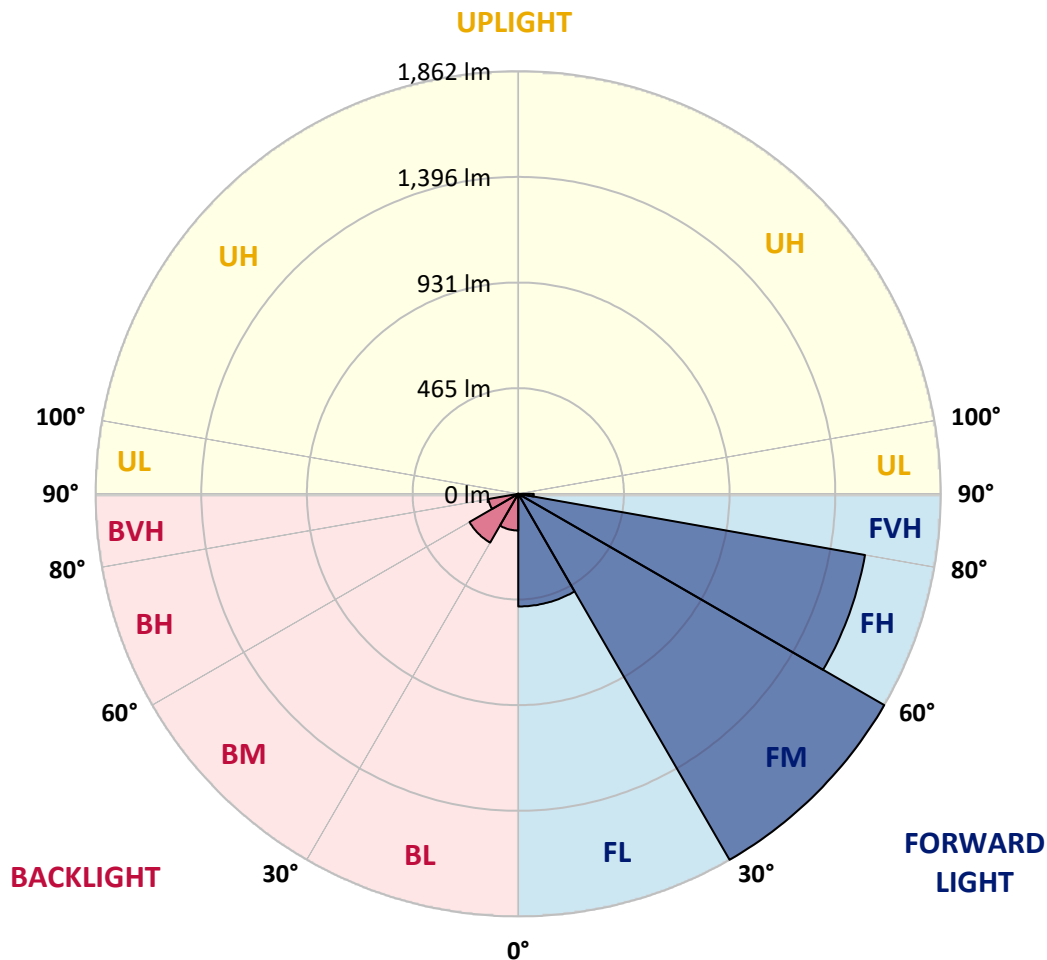
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	496.3	11.0			
FM (30°-60°)	1861.7	41.1			
FH (60°-80°)	1551.0	34.3			G1/1800
FVH (80°-90°)	68.4	1.5			G1/100
BL (0°-30°)	161.8	3.6	B1/500		
BM (30°-60°)	248.0	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°	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0
2.5°	1614.0	1601.6	1587.8	1543.0	1501.4	1453.9	1415.1	1388.0	1354.2	1310.2	1299.1
5°	1602.4	1589.1	1546.0	1446.4	1359.1	1274.2	1192.3	1144.3	1084.7	1024.3	1009.3
7.5°	1486.0	1472.1	1409.9	1273.4	1155.9	1033.3	926.9	861.1	793.8	738.5	709.1
10°	1364.9	1349.7	1279.8	1114.1	969.4	858.6	780.5	717.7	654.0	594.9	547.7
12.5°	1281.5	1261.6	1185.7	997.9	871.8	796.6	723.7	648.5	562.3	498.8	447.0
15°	1246.6	1223.8	1143.7	953.1	837.3	749.0	654.0	561.7	460.7	388.0	340.4
17.5°	1273.6	1244.0	1158.0	950.1	794.0	673.8	553.7	445.2	335.7	262.2	228.3
20°	1365.3	1326.5	1217.4	949.2	741.5	584.4	432.2	309.6	221.2	177.9	160.1
22.5°	1509.8	1458.6	1302.7	956.1	687.3	490.5	312.1	210.3	166.1	143.6	133.1
25°	1684.3	1624.9	1425.6	980.3	639.7	399.2	226.8	166.1	140.2	123.7	114.9
27.5°	1850.2	1802.0	1580.8	1015.3	602.8	325.4	184.1	140.8	119.8	108.9	101.8
30°	2015.9	1955.3	1740.0	1056.8	558.4	275.5	161.8	128.4	107.4	95.8	91.3
32.5°	2136.4	2086.0	1864.8	1086.9	511.1	242.9	144.7	117.5	100.3	88.5	81.9
35°	2278.1	2221.1	1971.8	1093.5	480.6	222.3	130.1	105.7	87.0	76.5	69.5
37.5°	2431.2	2360.2	2095.3	1078.9	456.8	212.2	119.2	100.3	81.2	70.5	63.0
40°	2600.5	2520.4	2213.8	1057.9	433.5	208.8	110.8	96.3	76.7	65.8	58.1
42.5°	2778.9	2684.3	2316.5	1035.8	418.7	197.0	110.0	92.2	73.3	61.5	53.8
45°	2928.7	2832.9	2422.0	1028.5	408.2	184.1	113.6	89.4	71.0	58.1	50.6
47.5°	3048.1	2957.5	2530.0	1044.8	402.2	172.4	103.5	93.0	69.7	55.1	47.8
50°	3190.7	3088.0	2682.2	1093.5	393.4	160.6	93.7	106.5	69.7	53.2	45.4
52.5°	3369.5	3267.9	2852.0	1169.0	375.8	144.3	84.2	106.8	70.3	50.6	42.4
55°	3594.3	3520.6	3094.4	1251.7	347.7	120.3	72.9	91.8	67.7	45.9	39.7
57.5°	3810.0	3749.8	3315.5	1308.3	310.2	93.9	63.5	74.0	62.0	40.3	35.4
59°	3869.0	3803.1	3396.5	1310.9	282.1	81.9	58.7	61.1	60.7	37.7	32.8
60°	3869.0	3799.1	3419.8	1297.2	261.7	75.2	55.7	54.5	63.2	36.0	31.3
62.5°	3798.9	3700.7	3344.0	1204.3	213.5	64.1	48.7	45.0	56.8	32.4	27.7
65°	3653.1	3510.1	3085.4	1036.5	190.4	58.7	42.0	36.9	39.4	28.5	24.2
67.5°	3410.0	3216.2	2712.6	837.3	181.1	57.2	36.2	31.3	29.8	24.4	21.2
70°	2981.9	2766.9	2260.1	658.3	173.2	56.6	30.4	26.4	24.0	20.6	18.0
72.5°	2170.3	1946.1	1604.6	514.7	168.5	57.9	24.4	22.1	19.7	16.1	13.9
75°	1241.4	1094.6	901.9	340.0	143.6	55.3	18.9	18.4	14.1	11.6	9.6
77.5°	641.4	621.9	540.4	130.6	68.8	24.2	12.4	10.7	8.4	7.1	5.8
80°	276.8	273.8	236.9	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	21.7	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°	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0
2.5°	1285.6	1259.6	1257.9	1241.6	1221.3	1212.0	1206.7	1216.1	1227.7	1229.0	1246.3
5°	997.9	970.7	982.0	953.1	958.9	953.1	943.7	945.4	950.5	934.4	954.4
7.5°	700.8	680.2	693.3	685.6	695.8	699.9	694.1	685.6	660.3	657.3	674.6
10°	528.2	504.8	490.9	476.3	479.5	486.2	484.0	477.8	461.8	462.6	479.3
12.5°	424.5	398.3	370.6	334.8	326.1	331.0	326.1	322.4	307.0	308.3	323.1
15°	322.0	300.5	271.6	242.9	227.2	228.7	215.0	205.4	195.7	184.1	193.1
17.5°	217.4	204.3	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	132.3	126.9	110.0	98.4	94.8	93.7	96.0
22.5°	128.6	123.5	118.5	115.8	110.4	104.2	91.3	85.5	83.0	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°	99.5	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	33.7	33.2
42.5°	50.6	46.9	41.4	37.1	38.4	40.3	34.1	30.7	28.7	28.3	27.7
45°	47.4	43.5	37.3	32.4	29.8	33.9	29.2	24.9	23.8	22.9	22.5
47.5°	44.4	40.7	33.7	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	35.2	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°	23.2	21.0	13.5	9.0	8.8	5.1	4.3	5.1	5.4	4.9	4.5
67.5°	20.2	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°	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0
2.5°	1250.9	1279.8	1305.7	1345.0	1391.5	1445.1	1491.2	1540.7	1587.2	1606.5	1619.8
5°	958.4	994.2	1036.1	1093.7	1170.5	1265.0	1353.5	1453.6	1561.3	1615.1	1665.7
7.5°	677.6	714.1	765.9	827.3	920.1	1032.6	1148.4	1286.7	1432.4	1517.5	1601.3
10°	487.3	532.1	580.5	664.3	758.7	865.4	984.6	1138.9	1301.4	1395.8	1496.7
12.5°	331.6	382.7	456.0	549.9	660.7	765.3	868.8	1016.1	1204.8	1298.2	1406.5
15°	198.9	227.2	304.8	413.5	549.4	679.8	793.2	940.9	1142.0	1256.4	1369.0
17.5°	122.6	135.7	177.9	267.1	409.9	574.7	730.1	915.4	1151.0	1290.3	1410.8
20°	97.8	102.9	116.4	157.8	271.6	459.0	659.2	910.2	1224.5	1396.0	1525.2
22.5°	84.9	89.8	98.8	114.7	170.9	343.6	591.9	914.9	1330.0	1554.4	1705.3
25°	74.8	79.1	87.7	100.8	125.2	242.0	519.8	935.9	1467.4	1751.0	1911.3
27.5°	66.9	70.5	78.5	90.5	107.4	168.9	438.2	961.5	1630.3	1952.1	2110.3
30°	59.6	62.8	69.9	81.0	93.3	129.9	348.6	978.8	1793.4	2110.3	2252.4
32.5°	53.4	55.7	62.2	71.6	81.0	103.5	265.0	976.0	1914.5	2241.9	2354.6
35°	46.9	49.3	54.9	63.0	70.5	85.5	208.4	923.9	2020.0	2378.4	2471.7
37.5°	39.9	42.9	48.2	55.5	60.7	75.2	168.5	861.1	2127.0	2534.5	2602.2
40°	33.9	36.9	41.6	49.5	52.7	71.4	129.5	784.6	2247.2	2709.0	2745.4
42.5°	28.1	30.9	35.8	42.7	49.7	61.5	95.8	697.1	2362.8	2858.2	2876.0
45°	22.7	25.5	30.7	37.5	53.2	51.0	74.2	603.5	2456.0	2982.3	2988.1
47.5°	18.0	20.6	25.9	35.4	49.5	40.7	52.9	529.9	2534.3	3079.2	3064.0
50°	13.9	16.1	21.7	40.5	43.3	33.7	40.1	505.5	2604.4	3139.2	3099.8
52.5°	10.9	12.9	17.8	37.9	33.7	27.9	33.7	528.4	2700.4	3189.0	3119.9
55°	8.8	10.7	13.9	21.7	22.9	23.6	28.7	549.9	2866.1	3305.6	3238.9
57.5°	7.3	9.2	11.4	15.2	17.4	19.9	25.5	552.2	3061.4	3499.4	3436.4
59°	6.6	8.4	10.3	13.5	15.2	18.2	24.0	539.4	3130.2	3569.9	3538.4
60°	6.2	7.9	9.6	12.4	14.1	17.1	23.2	527.1	3133.2	3567.3	3581.9
62.5°	5.4	7.1	8.6	10.5	12.0	14.6	20.8	481.9	3006.3	3450.5	3555.8
65°	4.7	6.2	7.7	9.0	10.3	13.1	18.9	399.4	2789.6	3262.1	3376.8
67.5°	4.3	5.4	7.1	7.9	9.2	11.6	16.7	284.7	2518.9	3031.6	3106.0
70°	3.9	5.1	6.4	7.3	8.4	10.1	14.4	163.6	2127.0	2694.2	2747.2
72.5°	3.6	4.9	5.8	6.9	7.5	9.0	13.1	77.0	1557.4	2158.3	2296.5
75°	3.2	4.5	5.4	6.4	7.1	8.1	11.1	36.9	1035.8	1561.9	1719.0
77.5°	1.9	3.6	4.9	5.8	6.2	7.1	9.2	21.2	661.1	1081.1	1273.4
80°	0.0	1.3	3.6	4.9	5.4	6.0	7.1	16.7	353.7	617.6	741.3
82.5°	0.0	0.0	2.6	3.9	3.6	4.1	5.4	10.5	159.5	403.7	454.9
85°	0.0	0.0	0.9	3.0	2.6	1.9	3.6	3.6	34.9	204.3	254.9
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°	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0
2.5°	1666.3	1682.2	1709.0	1721.6	1715.4	1689.0	1657.5	1625.4	1606.5	1614.0
5°	1768.8	1850.4	1897.6	1913.3	1887.1	1827.9	1750.5	1648.5	1612.3	1602.4
7.5°	1768.8	1922.5	2019.8	2036.9	1978.6	1862.7	1717.5	1558.3	1505.3	1486.0
10°	1706.6	1915.8	2051.5	2078.7	1997.3	1823.9	1629.4	1447.6	1384.8	1364.9
12.5°	1636.5	1861.8	2004.8	2042.3	1975.4	1785.3	1568.3	1372.8	1298.9	1281.5
15°	1593.4	1795.4	1913.7	1940.9	1912.6	1762.8	1553.8	1350.3	1263.3	1246.6
17.5°	1608.8	1743.9	1786.6	1802.4	1821.5	1754.8	1593.4	1399.6	1289.4	1273.6
20°	1666.9	1689.7	1667.6	1687.5	1739.0	1762.6	1688.0	1518.8	1386.5	1365.3
22.5°	1765.6	1661.6	1599.6	1607.6	1670.2	1788.1	1832.4	1689.0	1536.4	1509.8
25°	1880.5	1684.3	1561.9	1554.8	1619.1	1821.7	1964.5	1874.2	1713.7	1684.3
27.5°	2024.9	1735.3	1554.2	1547.1	1601.3	1853.2	2074.2	2057.3	1900.4	1850.2
30°	2136.4	1785.5	1577.1	1560.8	1619.1	1875.1	2162.4	2212.7	2049.2	2015.9
32.5°	2216.4	1844.7	1614.4	1590.8	1669.3	1912.8	2230.3	2355.1	2186.8	2136.4
35°	2277.3	1909.0	1674.7	1635.9	1738.3	1970.1	2294.0	2506.6	2333.2	2278.1
37.5°	2334.3	1999.2	1768.8	1722.5	1846.6	2062.2	2361.3	2678.6	2497.0	2431.2
40°	2413.8	2101.5	1913.9	1872.7	2028.6	2187.9	2445.3	2857.8	2683.3	2600.5
42.5°	2493.3	2211.2	2062.5	2073.6	2255.6	2340.5	2553.8	3047.3	2867.2	2778.9
45°	2566.0	2324.4	2274.0	2325.5	2466.3	2507.9	2661.6	3156.8	3014.0	2928.7
47.5°	2630.8	2465.9	2484.3	2621.3	2706.0	2659.5	2742.2	3251.4	3123.4	3048.1
50°	2706.0	2649.0	2761.5	2955.3	2981.9	2796.7	2815.5	3363.3	3251.1	3190.7
52.5°	2788.3	2841.9	3068.5	3239.3	3230.8	2945.7	2889.3	3488.7	3426.3	3369.5
55°	2881.8	2997.8	3338.8	3505.2	3497.9	3112.0	3011.5	3643.7	3645.8	3594.3
57.5°	3020.5	3132.0	3522.3	3720.2	3732.4	3304.1	3218.6	3817.3	3844.3	3810.0
59°	3119.9	3219.0	3595.0	3810.0	3859.7	3452.6	3369.9	3918.0	3900.3	3869.0
60°	3193.7	3274.3	3631.0	3857.0	3933.7	3553.4	3481.6	3977.2	3906.9	3869.0
62.5°	3376.1	3394.8	3696.0	3910.1	4018.8	3777.2	3795.9	4078.0	3860.8	3798.9
65°	3461.2	3470.9	3695.1	3814.9	3936.5	3951.5	4081.0	4081.0	3748.3	3653.1
67.5°	3425.6	3379.1	3511.8	3499.4	3620.7	3847.9	4188.2	3931.3	3533.0	3410.0
70°	3136.2	2957.2	2898.3	2903.6	2996.5	3347.0	3975.9	3491.0	3125.7	2981.9
72.5°	2609.5	2180.1	2034.6	2200.7	2224.9	2572.2	3388.3	2629.0	2305.1	2170.3
75°	2098.9	1536.8	1300.2	1475.5	1516.7	1882.4	2621.1	1637.4	1346.5	1241.4
77.5°	1507.9	1103.1	932.9	920.7	973.9	1193.8	1859.9	824.0	687.3	641.4
80°	856.6	726.1	781.8	737.6	764.4	746.4	883.6	361.4	296.0	276.8
82.5°	517.1	429.2	464.8	386.9	489.6	426.4	340.4	115.8	100.5	95.6
85°	336.3	234.5	122.2	81.9	168.7	272.5	76.1	31.5	24.2	19.3
87.5°	116.0	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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