

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P526314

Luminaire Tested: **GLAN-SA1B-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1B-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3905 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
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: 24 FT



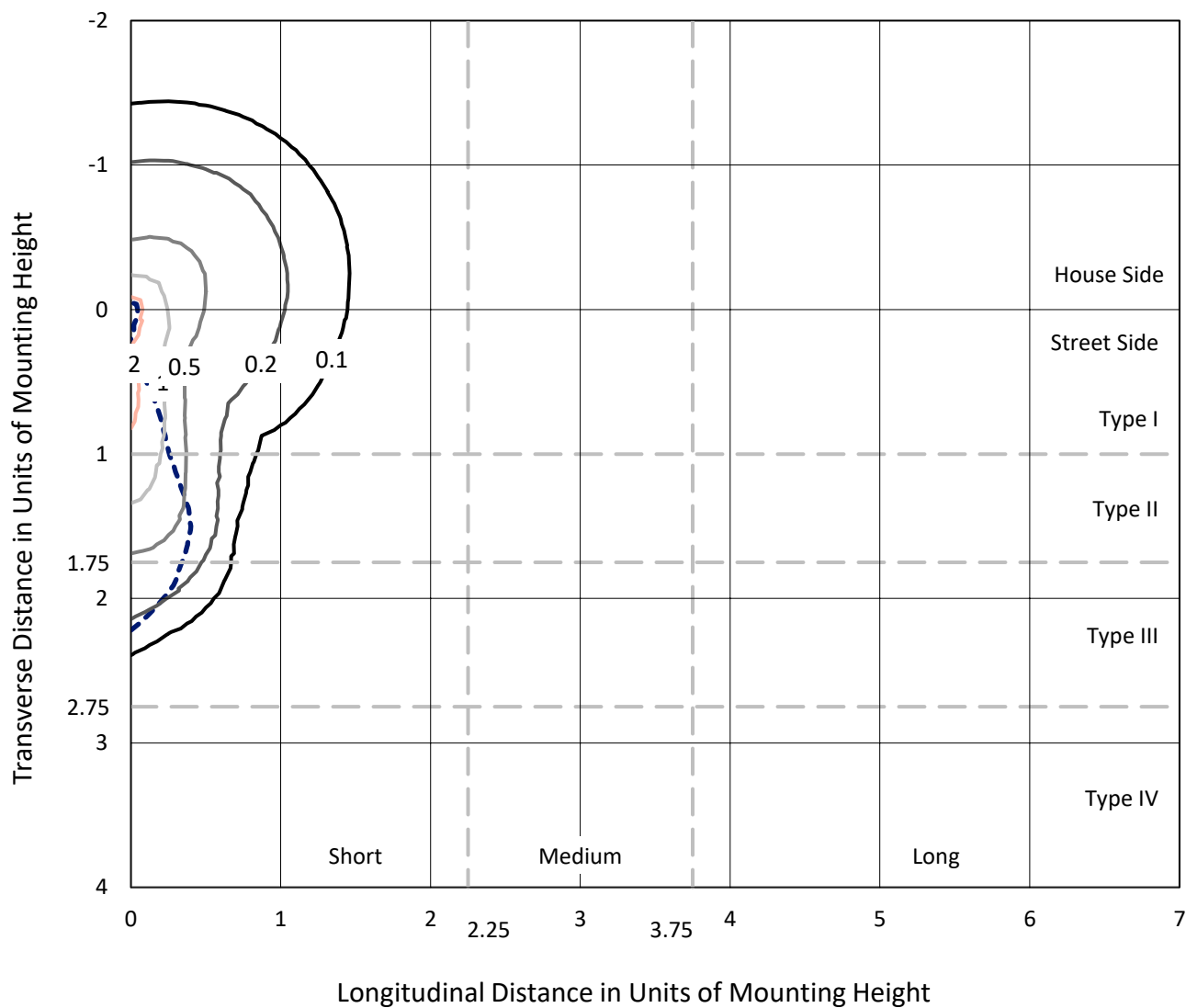
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

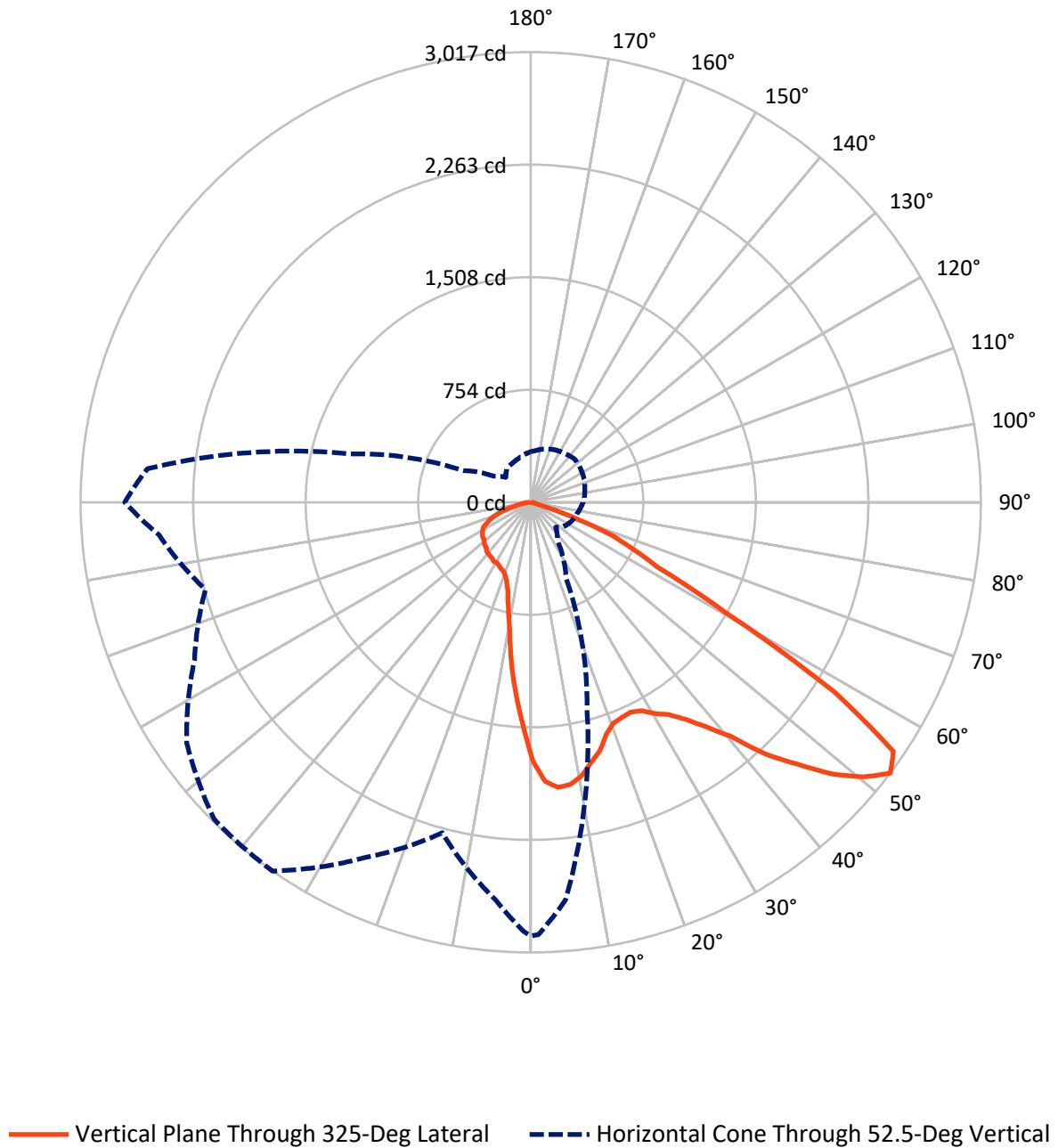


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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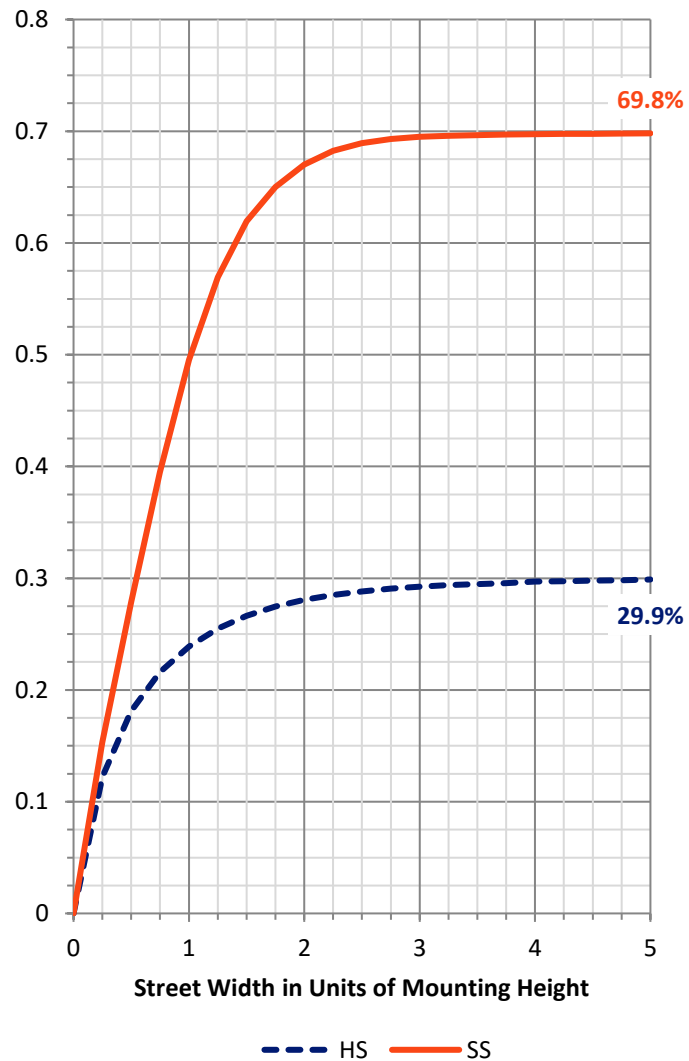
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1177.2	0.0	1177.2
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	2727.8	0.0	2727.8
	% Fixture	69.9	0.0	69.9
Total	Lumens	3905.0	0.0	3905.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	3.4
10°-20°	286.6	7.3
20°-30°	433.1	11.1
30°-40°	625.8	16.0
40°-50°	832.8	21.3
50°-60°	931.5	23.9
60°-70°	525.0	13.4
70°-80°	117.0	3.0
80°-90°	20.8	0.5
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°	3905.0	100.0
0°-180°	3905.0	100.0

Coefficient of Utilization



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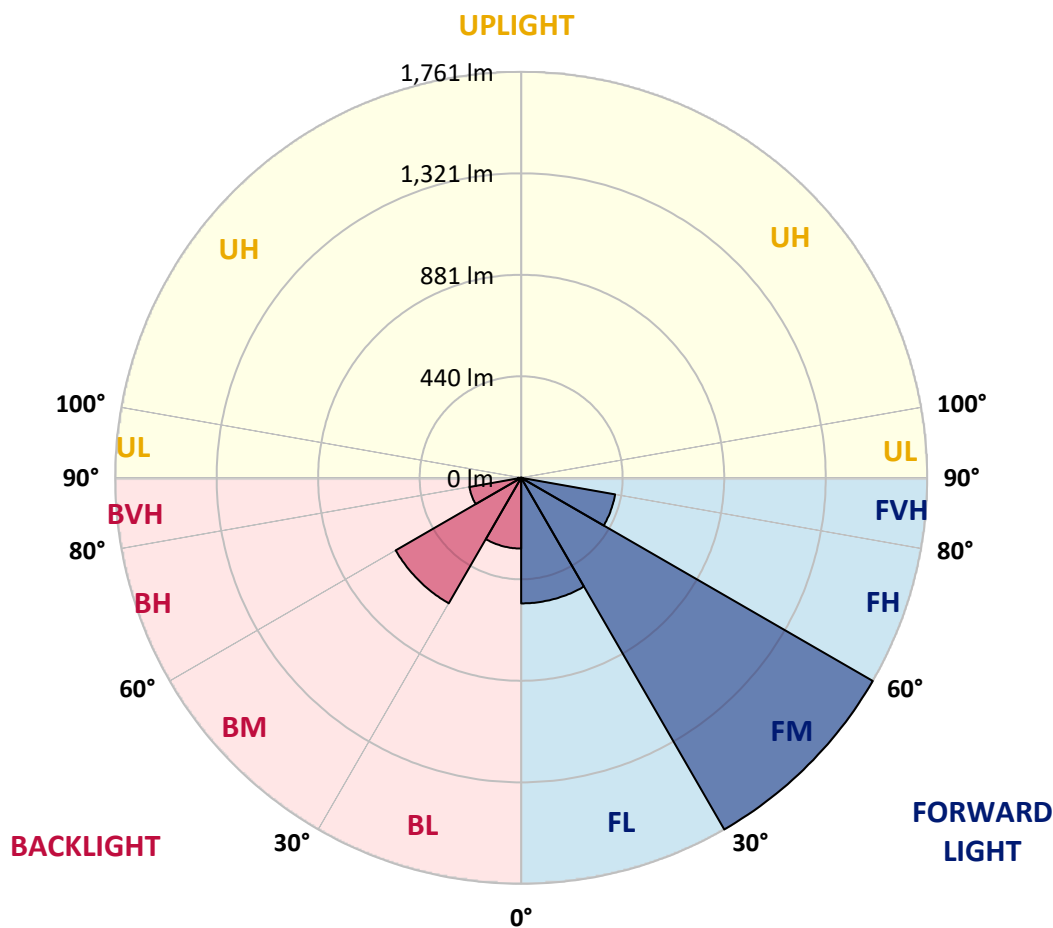
CATALOG NUMBER: GLAN-SA1B-730-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	544.9	14.0			
FM	(30°-60°)	1761.5	45.1			
FH	(60°-80°)	413.9	10.6			G0/660
FVH	(80°-90°)	7.5	0.2			G0/10
BL	(0°-30°)	307.0	7.9	B1/500		
BM	(30°-60°)	628.7	16.1	B1/1000		
BH	(60°-80°)	228.2	5.8	B1/500		G1/500
BVH	(80°-90°)	13.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1
2.5°	1761.9	1790.2	1759.7	1705.3	1666.8	1631.8	1595.0	1587.6	1539.5	1531.0	1495.9
5°	1661.7	1655.5	1618.2	1546.9	1468.2	1396.9	1344.2	1293.3	1258.8	1218.6	1215.7
7.5°	1540.1	1503.8	1482.3	1374.2	1276.9	1164.8	1116.7	1039.2	1014.8	978.6	959.9
10°	1431.4	1404.8	1354.4	1246.3	1110.5	1036.3	984.8	942.9	914.6	877.3	830.3
12.5°	1377.6	1366.9	1310.3	1142.7	1042.0	962.7	926.5	885.8	837.7	777.7	754.5
15°	1387.2	1351.0	1308.0	1122.9	983.7	907.3	849.6	798.6	736.9	679.8	646.4
17.5°	1459.1	1431.4	1345.4	1135.4	961.6	851.2	746.5	671.3	615.8	564.3	541.1
20°	1600.6	1560.4	1463.7	1151.2	914.1	773.1	653.2	560.3	500.9	473.7	465.8
22.5°	1757.4	1733.6	1579.1	1186.9	876.2	700.7	554.1	461.3	439.2	431.9	446.6
25°	1948.1	1886.4	1758.5	1245.2	846.7	639.0	470.3	418.8	407.5	414.9	431.9
27.5°	2093.0	2076.6	1884.2	1300.1	806.5	564.9	423.4	389.4	392.8	400.2	416.0
30°	2265.1	2181.9	2005.9	1338.0	770.3	513.9	390.5	381.5	384.9	397.3	405.2
32.5°	2368.7	2337.5	2082.3	1395.2	728.4	469.8	365.1	356.6	361.7	380.3	399.0
35°	2500.5	2438.9	2176.8	1409.9	699.0	452.2	347.0	340.7	352.6	365.6	386.6
37.5°	2654.5	2612.0	2307.5	1399.7	683.2	434.1	331.7	328.8	337.3	355.4	379.8
40°	2745.6	2732.6	2376.0	1405.9	658.2	418.3	314.1	317.5	335.1	349.2	373.0
42.5°	2833.3	2748.5	2477.3	1403.7	642.4	396.8	315.8	311.9	325.4	341.9	364.5
45°	2852.6	2768.3	2501.1	1387.8	623.2	375.8	302.8	304.5	320.9	341.3	356.0
47.5°	2840.1	2777.9	2545.3	1383.3	605.0	361.1	283.6	303.9	313.6	330.0	350.9
50°	2831.7	2828.3	2582.6	1404.8	580.7	337.9	260.4	296.6	306.2	322.6	345.3
52.5°	2906.4	2899.0	2676.0	1461.4	561.5	313.0	236.6	277.9	301.1	317.0	339.0
55°	2951.6	2919.4	2836.2	1531.0	529.2	280.2	220.2	254.7	288.7	302.8	325.4
57.5°	2655.1	2633.0	2565.6	1429.1	474.9	237.2	199.8	230.9	271.7	293.7	317.0
60°	2209.1	2174.5	2001.9	1214.6	350.3	184.5	187.3	212.2	267.1	275.6	302.8
62.5°	2082.8	1997.4	1762.5	977.5	268.8	158.5	168.1	195.3	243.4	257.5	284.7
65°	1652.7	1589.3	1261.0	705.8	180.0	137.5	153.4	176.0	210.0	237.7	262.6
67.5°	1034.6	974.1	673.0	333.9	125.6	117.7	137.0	160.7	188.5	213.4	241.1
70°	540.5	474.3	310.7	120.6	86.6	96.2	114.3	137.0	164.1	184.5	206.0
72.5°	201.5	163.6	101.3	52.1	60.0	73.6	92.8	109.2	128.5	153.4	165.3
75°	31.1	26.6	26.0	31.7	40.8	53.2	66.2	82.6	99.6	115.5	123.4
77.5°	14.7	14.1	15.8	20.9	27.2	37.9	48.1	64.0	77.5	87.7	92.3
80°	9.6	9.1	10.2	14.1	20.4	28.3	38.5	49.2	61.7	70.2	69.1
82.5°	5.7	6.2	6.2	9.6	14.1	20.4	27.7	37.4	45.8	53.2	48.7
85°	3.4	2.8	2.8	5.7	9.6	16.4	23.2	15.8	16.4	16.4	18.7
87.5°	1.1	1.1	1.1	0.6	1.1	1.1	1.7	2.8	3.4	4.0	5.1
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°	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1
2.5°	1494.8	1512.3	1506.1	1484.0	1501.0	1503.8	1492.5	1531.6	1538.9	1527.0	1530.4
5°	1211.8	1216.3	1226.5	1248.0	1263.3	1281.4	1281.4	1282.5	1267.3	1305.7	1294.4
7.5°	944.1	946.9	958.8	1004.6	1017.7	1052.2	1066.9	1056.7	1026.1	1013.1	1023.9
10°	815.0	798.6	794.7	800.3	829.7	844.5	856.9	853.5	848.4	838.2	826.9
12.5°	729.0	717.1	707.5	693.9	695.6	709.8	719.4	711.5	713.7	716.0	719.4
15°	635.6	627.1	622.0	601.6	599.4	609.0	612.4	616.9	625.4	626.0	622.0
17.5°	536.6	529.2	540.5	551.8	543.9	544.5	550.7	554.7	552.4	542.2	537.1
20°	468.6	476.6	487.9	498.6	507.1	512.2	514.5	508.3	500.9	480.0	479.4
22.5°	448.8	459.0	468.6	485.1	493.0	506.0	494.1	480.0	469.8	459.6	447.7
25°	434.1	442.6	461.8	468.1	483.4	494.1	485.6	471.5	453.9	439.2	430.2
27.5°	423.4	433.0	445.4	462.4	474.3	480.5	472.0	466.4	448.3	430.7	417.7
30°	416.6	426.8	449.4	463.5	473.7	478.8	464.1	457.3	444.3	429.6	418.3
32.5°	412.0	421.1	440.3	458.5	465.2	465.2	467.5	459.6	441.5	416.6	406.9
35°	397.3	409.8	425.6	446.6	459.0	466.4	455.1	446.0	434.1	408.6	391.1
37.5°	388.8	397.3	417.7	437.5	448.3	456.2	451.7	435.8	420.0	399.0	384.9
40°	379.8	393.4	411.5	430.2	442.0	450.0	446.6	427.9	408.6	388.8	379.2
42.5°	373.6	382.6	401.3	422.2	436.4	451.7	441.5	418.3	404.7	377.5	366.8
45°	368.5	383.2	403.0	411.5	426.2	442.0	423.9	409.8	393.9	374.1	365.1
47.5°	362.2	375.8	388.8	411.5	418.3	425.6	422.2	399.6	386.0	364.5	358.3
50°	360.0	365.1	388.8	401.3	410.9	418.3	409.2	392.2	379.2	357.1	343.6
52.5°	350.9	360.5	375.8	392.2	404.1	413.2	398.5	387.7	370.2	347.0	338.5
55°	339.6	345.3	372.4	389.4	395.6	401.9	396.2	378.6	360.5	336.8	328.3
57.5°	324.9	337.9	360.0	383.7	391.7	395.1	386.0	371.9	349.2	328.3	314.7
60°	309.6	323.2	347.5	366.8	374.7	387.1	373.6	365.1	339.0	315.8	301.1
62.5°	294.3	309.6	327.7	352.0	358.8	363.9	360.5	348.7	327.7	301.7	283.6
65°	276.2	287.5	310.2	322.6	327.1	339.0	327.1	322.6	303.9	279.0	263.8
67.5°	249.0	258.7	278.5	290.4	293.7	298.8	298.3	293.2	272.2	255.3	241.7
70°	217.9	226.4	238.8	253.0	254.7	260.9	255.3	254.1	240.5	217.3	210.0
72.5°	174.9	182.8	199.2	205.5	206.0	208.3	205.5	201.5	198.1	173.8	166.4
75°	134.1	138.7	146.6	152.3	152.3	155.1	153.4	149.4	140.4	125.1	117.7
77.5°	93.4	97.9	108.1	111.5	110.9	112.1	107.0	103.0	89.4	81.5	75.3
80°	67.9	70.7	75.8	78.1	78.7	80.4	74.1	70.7	62.8	53.8	50.9
82.5°	49.2	50.9	51.5	54.3	54.3	51.5	49.8	46.4	40.8	35.1	32.8
85°	20.4	20.9	21.5	24.9	25.5	30.6	28.3	26.6	23.2	19.8	18.1
87.5°	5.1	5.7	7.4	6.2	7.4	7.4	7.9	9.1	9.1	7.4	7.4
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°	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1
2.5°	1543.5	1548.0	1605.7	1613.1	1641.4	1670.2	1728.5	1770.4	1804.4	1826.5	1832.7
5°	1306.3	1335.2	1361.8	1404.8	1443.8	1499.3	1563.3	1642.5	1742.1	1793.1	1813.4
7.5°	1022.7	1056.7	1095.2	1137.1	1194.2	1293.9	1379.3	1471.0	1598.4	1651.0	1730.8
10°	834.8	872.8	923.7	956.0	1025.0	1120.1	1219.7	1325.5	1447.2	1523.1	1615.3
12.5°	738.1	769.2	816.2	884.1	935.6	997.3	1071.4	1205.0	1379.3	1451.2	1514.6
15°	631.1	665.6	719.9	795.2	856.9	930.5	1013.7	1159.1	1344.8	1455.7	1509.5
17.5°	542.8	567.7	624.9	689.9	760.7	841.1	960.5	1156.9	1381.0	1523.1	1610.8
20°	481.7	485.1	516.2	571.7	667.9	772.6	927.7	1145.6	1497.0	1639.1	1750.0
22.5°	443.2	439.8	440.3	487.3	554.7	705.2	876.2	1184.1	1628.9	1823.6	1898.3
25°	423.9	414.9	409.2	419.4	480.5	625.4	837.1	1235.0	1771.0	1975.9	2067.6
27.5°	413.7	397.9	386.6	388.3	433.0	585.2	812.8	1257.1	1911.9	2188.1	2220.4
30°	409.8	390.0	373.6	367.9	397.3	529.2	760.7	1295.0	2038.1	2304.7	2332.4
32.5°	395.6	371.3	355.4	350.3	362.2	480.0	723.3	1322.2	2149.6	2431.5	2421.9
35°	379.2	358.8	339.0	329.4	337.9	448.3	693.3	1309.1	2280.9	2530.0	2524.9
37.5°	377.5	350.9	334.5	318.7	318.1	409.2	652.6	1321.6	2364.7	2706.6	2636.9
40°	362.8	345.8	324.3	311.3	303.9	389.4	613.0	1292.2	2487.5	2777.9	2709.4
42.5°	363.4	337.9	319.2	303.9	296.6	360.5	585.8	1284.2	2530.5	2893.9	2743.4
45°	354.3	329.4	313.6	295.4	291.5	338.5	559.8	1247.4	2606.4	2899.6	2700.9
47.5°	345.3	323.2	306.2	284.7	275.6	330.5	539.4	1216.9	2566.8	2846.4	2642.0
50°	339.0	313.6	297.7	282.4	257.0	317.0	512.8	1209.5	2511.3	2774.5	2532.8
52.5°	328.3	305.6	289.2	277.3	236.6	304.5	502.6	1252.5	2579.2	2720.7	2501.1
55°	318.1	294.9	273.9	250.7	219.6	271.7	474.3	1292.7	2678.3	2844.7	2644.9
57.5°	307.3	285.3	262.6	234.9	203.2	237.7	444.9	1300.1	2492.6	2629.0	2510.7
60°	293.2	264.9	247.9	211.7	185.6	197.0	352.6	1146.1	1933.4	2195.5	2199.4
62.5°	277.3	246.8	232.1	189.6	167.5	169.8	287.5	963.3	1568.4	1817.4	1925.5
65°	256.4	227.0	209.4	175.5	154.5	147.2	210.5	705.8	1191.4	1474.4	1597.2
67.5°	229.2	201.5	179.4	152.8	138.1	126.2	143.8	397.3	703.5	989.9	1027.3
70°	200.4	176.6	153.4	131.3	114.9	106.4	105.3	176.0	336.2	532.6	606.2
72.5°	157.9	140.9	122.3	105.8	95.1	82.6	75.3	73.0	113.8	216.8	299.4
75°	113.2	99.0	88.3	77.5	69.6	62.8	57.2	52.1	47.5	54.3	74.7
77.5°	71.3	66.2	57.7	54.9	50.4	48.7	46.4	43.6	40.2	37.9	37.9
80°	48.1	44.7	41.9	41.3	39.6	39.1	39.6	36.8	33.4	30.6	31.7
82.5°	32.3	31.7	31.1	30.6	31.1	31.7	32.8	32.3	29.4	27.7	28.3
85°	19.2	20.4	21.5	22.6	24.9	22.1	18.1	15.3	13.6	12.5	11.9
87.5°	7.4	10.2	9.1	8.5	9.1	8.5	7.9	7.4	6.2	5.7	5.7
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°	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1
2.5°	1874.0	1885.3	1894.9	1892.7	1872.9	1846.3	1835.5	1780.6	1769.3	1761.9
5°	1899.5	1965.1	1979.3	1970.8	1919.3	1854.2	1790.8	1710.4	1663.4	1661.7
7.5°	1852.5	1933.4	1958.9	1978.1	1909.7	1796.5	1687.8	1567.2	1537.8	1540.1
10°	1733.1	1862.1	1924.9	1944.7	1866.1	1768.2	1617.6	1495.3	1432.5	1431.4
12.5°	1666.8	1768.2	1785.7	1813.4	1790.2	1691.2	1576.8	1439.9	1378.8	1377.6
15°	1608.0	1674.8	1679.9	1718.9	1731.4	1664.6	1587.6	1441.6	1392.3	1387.2
17.5°	1659.5	1613.1	1593.8	1598.9	1635.7	1660.1	1649.9	1537.8	1487.4	1459.1
20°	1694.0	1590.4	1532.1	1537.8	1581.4	1670.2	1742.7	1677.0	1597.2	1600.6
22.5°	1786.3	1593.8	1502.7	1496.5	1565.5	1723.4	1847.4	1853.1	1776.1	1757.4
25°	1924.4	1632.9	1493.6	1492.0	1558.2	1780.6	1969.6	2061.3	1982.7	1948.1
27.5°	2035.3	1694.0	1521.9	1527.6	1581.4	1827.0	2073.8	2195.5	2135.5	2093.0
30°	2132.7	1757.4	1561.6	1535.5	1643.6	1851.4	2118.5	2348.3	2300.2	2265.1
32.5°	2172.8	1847.4	1624.4	1581.4	1695.1	1880.8	2211.3	2496.6	2455.3	2368.7
35°	2240.8	1897.8	1658.4	1655.0	1785.1	1951.5	2254.9	2594.5	2577.5	2500.5
37.5°	2295.1	1948.7	1778.9	1741.6	1908.5	2070.4	2325.1	2729.8	2690.7	2654.5
40°	2337.0	2039.8	1891.5	1940.8	2060.2	2178.5	2389.6	2738.3	2850.9	2745.6
42.5°	2298.5	2121.3	2076.6	2194.3	2307.5	2301.9	2397.0	2803.9	2888.2	2833.3
45°	2288.9	2259.4	2369.2	2476.2	2502.2	2404.3	2344.3	2731.5	2876.9	2852.6
47.5°	2265.7	2395.3	2586.6	2760.9	2721.3	2472.8	2281.5	2718.5	2883.7	2840.1
50°	2257.7	2424.7	2747.3	2917.1	2893.3	2532.2	2252.1	2634.7	2835.6	2831.7
52.5°	2257.2	2485.3	2814.1	3002.0	3016.7	2626.2	2292.3	2677.1	2873.0	2906.4
55°	2282.6	2466.0	2805.6	2955.0	2949.4	2584.3	2296.8	2705.4	2918.8	2951.6
57.5°	2153.0	2209.1	2315.5	2433.8	2403.2	2140.6	2051.1	2501.1	2678.8	2655.1
60°	1859.3	1683.8	1563.8	1558.2	1498.7	1416.7	1678.7	2232.3	2232.3	2209.1
62.5°	1628.4	1105.4	949.7	905.6	948.0	1042.6	1619.3	2171.1	2109.4	2082.8
65°	1424.0	843.9	686.5	674.1	747.7	890.3	1464.2	1849.7	1741.0	1652.7
67.5°	916.3	618.1	510.5	488.4	577.3	653.7	974.6	1137.6	1069.2	1034.6
70°	590.9	402.4	284.1	266.6	301.1	403.0	622.6	663.3	563.7	540.5
72.5°	279.6	173.8	99.6	82.1	92.3	153.9	246.2	264.9	220.2	201.5
75°	88.9	64.0	40.8	35.1	33.4	39.6	56.6	43.6	31.7	31.1
77.5°	39.6	37.9	32.3	27.2	23.8	19.8	16.4	13.6	14.1	14.7
80°	32.8	30.0	26.6	23.8	19.8	15.3	11.9	9.1	9.1	9.6
82.5°	28.9	26.0	23.2	19.8	17.0	12.5	9.1	6.2	5.7	5.7
85°	12.5	14.7	15.8	17.0	13.6	10.2	6.2	4.0	3.4	3.4
87.5°	5.1	4.5	4.0	3.4	2.8	2.8	2.3	1.7	1.1	1.1
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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