

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: McGRAW-EDISON

Report Number: P526470

Luminaire Tested: **GALN-SA1B-830-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526470
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: MCGRAW-EDISON
Catalog Number: GALN-SA1B-830-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 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: 3408 lumens
Efficiency: N/A
Efficacy: 77.5 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

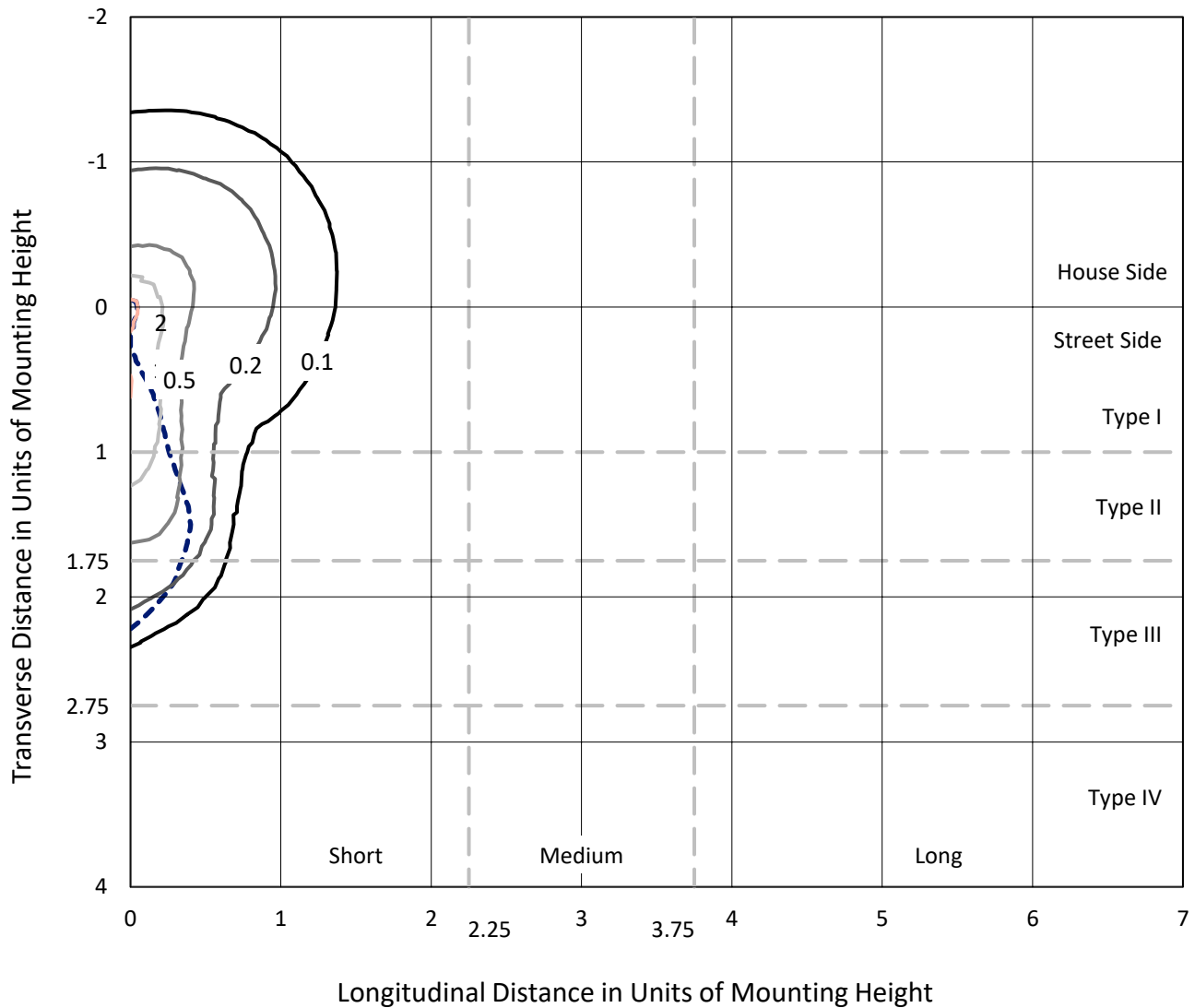


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

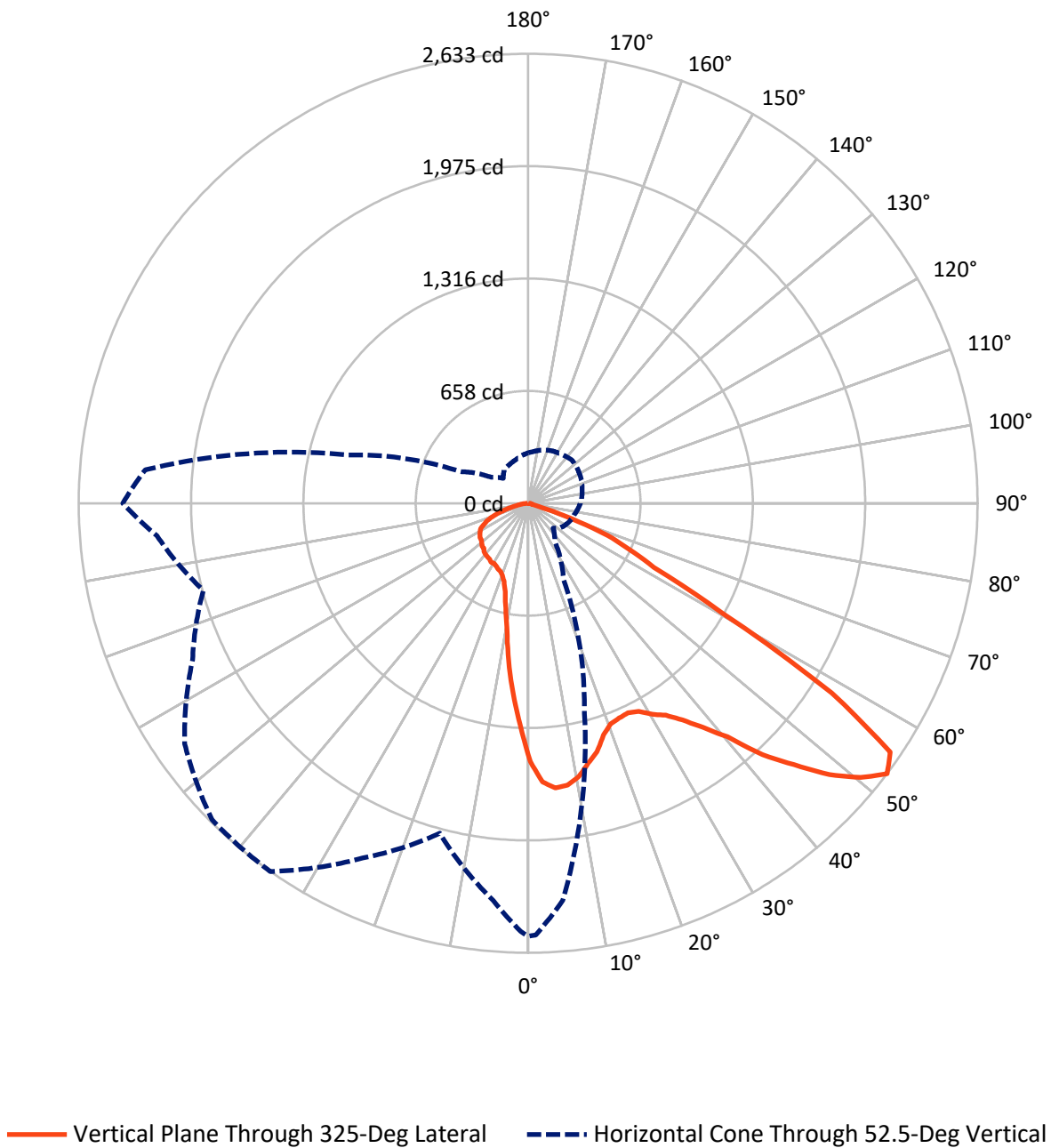


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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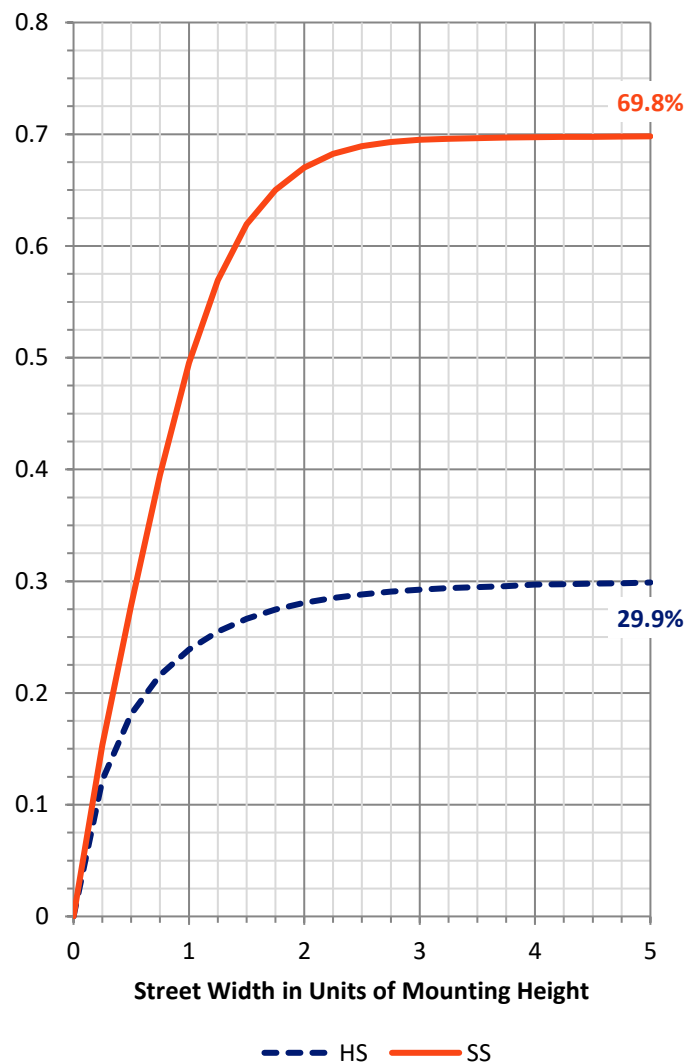
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1027.4	0.0	1027.4
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	2380.6	0.0	2380.6
	% Fixture	69.9	0.0	69.9
Total	Lumens	3408.0	0.0	3408.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.4	3.4
10°-20°	250.1	7.3
20°-30°	378.0	11.1
30°-40°	546.2	16.0
40°-50°	726.8	21.3
50°-60°	813.0	23.9
60°-70°	458.2	13.4
70°-80°	102.1	3.0
80°-90°	18.2	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°	3408.0	100.0
0°-180°	3408.0	100.0

Coefficient of Utilization



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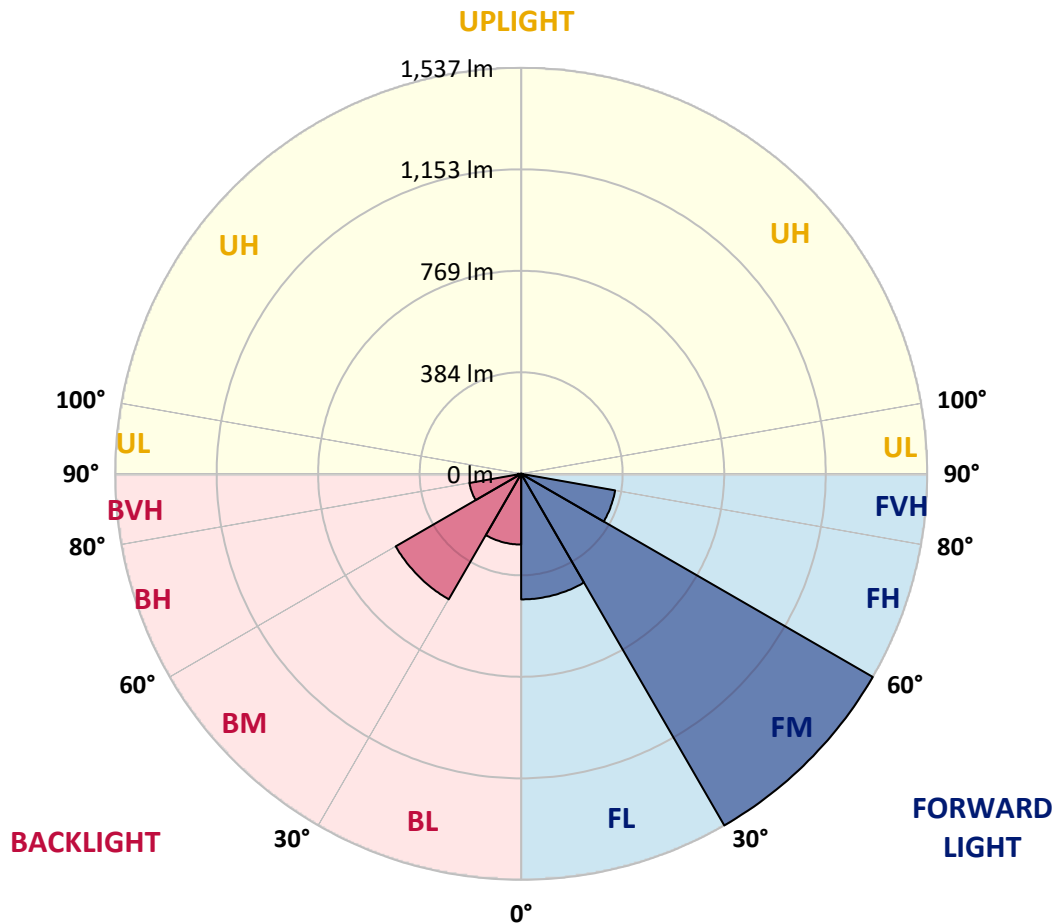
CATALOG NUMBER: GALN-SA1B-830-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	475.6	14.0			
FM	(30°-60°)	1537.3	45.1			
FH	(60°-80°)	361.2	10.6			G0/660
FVH	(80°-90°)	6.6	0.2			G0/10
BL	(0°-30°)	267.9	7.9	B1/500		
BM	(30°-60°)	548.7	16.1	B1/1000		
BH	(60°-80°)	199.1	5.8	B1/500		G1/500
BVH	(80°-90°)	11.6	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°	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5
2.5°	1537.7	1562.4	1535.7	1488.3	1454.7	1424.1	1392.0	1385.5	1343.6	1336.1	1305.5
5°	1450.3	1444.8	1412.2	1350.0	1281.3	1219.1	1173.1	1128.7	1098.6	1063.5	1061.0
7.5°	1344.1	1312.4	1293.7	1199.3	1114.4	1016.6	974.6	906.9	885.7	854.0	837.7
10°	1249.2	1226.0	1182.0	1087.7	969.1	904.4	859.5	822.9	798.2	765.6	724.6
12.5°	1202.3	1192.9	1143.5	997.3	909.4	840.2	808.6	773.0	731.1	678.7	658.4
15°	1210.7	1179.1	1141.5	980.0	858.5	791.8	741.4	697.0	643.1	593.2	564.1
17.5°	1273.4	1249.2	1174.1	990.9	839.2	742.9	651.5	585.8	537.4	492.5	472.2
20°	1396.9	1361.8	1277.4	1004.7	797.7	674.7	570.0	489.0	437.2	413.4	406.5
22.5°	1533.7	1513.0	1378.1	1035.8	764.6	611.5	483.6	402.6	383.3	376.9	389.7
25°	1700.2	1646.4	1534.7	1086.7	739.0	557.7	410.5	365.5	355.6	362.1	376.9
27.5°	1826.6	1812.3	1644.4	1134.6	703.9	493.0	369.5	339.8	342.8	349.2	363.1
30°	1976.8	1904.2	1750.6	1167.7	672.3	448.5	340.8	332.9	335.9	346.8	353.7
32.5°	2067.2	2040.0	1817.3	1217.6	635.7	410.0	318.6	311.2	315.6	331.9	348.2
35°	2182.3	2128.5	1899.8	1230.4	610.0	394.7	302.8	297.4	307.7	319.1	337.4
37.5°	2316.7	2279.6	2013.9	1221.6	596.2	378.9	289.5	287.0	294.4	310.2	331.4
40°	2396.2	2384.8	2073.6	1227.0	574.5	365.0	274.1	277.1	292.4	304.8	325.5
42.5°	2472.7	2398.6	2162.0	1225.0	560.6	346.3	275.6	272.2	284.0	298.3	318.1
45°	2489.5	2415.9	2182.8	1211.2	543.8	328.0	264.3	265.7	280.1	297.9	310.7
47.5°	2478.7	2424.3	2221.3	1207.2	528.0	315.1	247.5	265.3	273.7	288.0	306.3
50°	2471.3	2468.3	2253.9	1226.0	506.8	294.9	227.2	258.8	267.2	281.6	301.3
52.5°	2536.5	2530.0	2335.4	1275.4	490.0	273.2	206.5	242.5	262.8	276.6	295.9
55°	2576.0	2547.8	2475.2	1336.1	461.8	244.5	192.1	222.3	251.9	264.3	284.0
57.5°	2317.1	2297.9	2239.1	1247.2	414.4	207.0	174.4	201.5	237.1	256.4	276.6
60°	1927.9	1897.8	1747.1	1060.0	305.8	161.0	163.5	185.2	233.1	240.6	264.3
62.5°	1817.8	1743.2	1538.2	853.1	234.6	138.3	146.7	170.4	212.4	224.7	248.5
65°	1442.3	1387.0	1100.5	616.0	157.1	120.0	133.9	153.6	183.3	207.5	229.2
67.5°	903.0	850.1	587.3	291.4	109.7	102.7	119.5	140.3	164.5	186.2	210.4
70°	471.7	413.9	271.2	105.2	75.6	84.0	99.8	119.5	143.2	161.0	179.8
72.5°	175.8	142.8	88.4	45.4	52.4	64.2	81.0	95.3	112.1	133.9	144.2
75°	27.2	23.2	22.7	27.7	35.6	46.4	57.8	72.1	86.9	100.8	107.7
77.5°	12.8	12.3	13.8	18.3	23.7	33.1	42.0	55.8	67.7	76.6	80.5
80°	8.4	7.9	8.9	12.3	17.8	24.7	33.6	43.0	53.8	61.3	60.3
82.5°	4.9	5.4	5.4	8.4	12.3	17.8	24.2	32.6	40.0	46.4	42.5
85°	3.0	2.5	2.5	4.9	8.4	14.3	20.3	13.8	14.3	14.3	16.3
87.5°	1.0	1.0	1.0	0.5	1.0	1.0	1.5	2.5	3.0	3.5	4.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5
2.5°	1304.5	1319.8	1314.4	1295.2	1310.0	1312.4	1302.6	1336.6	1343.1	1332.7	1335.7
5°	1057.6	1061.5	1070.4	1089.2	1102.5	1118.3	1118.3	1119.3	1106.0	1139.6	1129.7
7.5°	823.9	826.4	836.8	876.8	888.1	918.3	931.1	922.2	895.5	884.2	893.6
10°	711.3	697.0	693.5	698.5	724.1	737.0	747.8	744.9	740.4	731.5	721.7
12.5°	636.2	625.8	617.4	605.6	607.1	619.4	627.8	620.9	622.9	624.9	627.8
15°	554.7	547.3	542.9	525.1	523.1	531.5	534.5	538.4	545.8	546.3	542.9
17.5°	468.3	461.8	471.7	481.6	474.7	475.2	480.6	484.1	482.1	473.2	468.8
20°	409.0	415.9	425.8	435.2	442.6	447.0	449.0	443.6	437.2	418.9	418.4
22.5°	391.7	400.6	409.0	423.3	430.2	441.6	431.2	418.9	410.0	401.1	390.7
25°	378.9	386.3	403.1	408.5	421.8	431.2	423.8	411.5	396.2	383.3	375.4
27.5°	369.5	377.9	388.7	403.6	413.9	419.4	412.0	407.0	391.2	375.9	364.5
30°	363.6	372.4	392.2	404.5	413.4	417.9	405.0	399.1	387.8	374.9	365.0
32.5°	359.6	367.5	384.3	400.1	406.0	406.0	408.0	401.1	385.3	363.6	355.2
35°	346.8	357.6	371.5	389.7	400.6	407.0	397.1	389.2	378.9	356.6	341.3
37.5°	339.3	346.8	364.5	381.8	391.2	398.1	394.2	380.3	366.5	348.2	335.9
40°	331.4	343.3	359.1	375.4	385.8	392.7	389.7	373.4	356.6	339.3	331.0
42.5°	326.0	333.9	350.2	368.5	380.8	394.2	385.3	365.0	353.2	329.5	320.1
45°	321.6	334.4	351.7	359.1	371.9	385.8	370.0	357.6	343.8	326.5	318.6
47.5°	316.1	328.0	339.3	359.1	365.0	371.5	368.5	348.7	336.9	318.1	312.7
50°	314.2	318.6	339.3	350.2	358.6	365.0	357.1	342.3	331.0	311.7	299.8
52.5°	306.3	314.6	328.0	342.3	352.7	360.6	347.7	338.4	323.0	302.8	295.4
55°	296.4	301.3	325.0	339.8	345.3	350.7	345.8	330.5	314.6	293.9	286.5
57.5°	283.5	294.9	314.2	334.9	341.8	344.8	336.9	324.5	304.8	286.5	274.6
60°	270.2	282.0	303.3	320.1	327.0	337.9	326.0	318.6	295.9	275.6	262.8
62.5°	256.9	270.2	286.0	307.2	313.2	317.6	314.6	304.3	286.0	263.3	247.5
65°	241.1	250.9	270.7	281.6	285.5	295.9	285.5	281.6	265.3	243.5	230.2
67.5°	217.3	225.7	243.0	253.4	256.4	260.8	260.3	255.9	237.6	222.8	210.9
70°	190.2	197.6	208.4	220.8	222.3	227.7	222.8	221.8	209.9	189.7	183.3
72.5°	152.6	159.5	173.9	179.3	179.8	181.8	179.3	175.8	172.9	151.6	145.2
75°	117.1	121.0	127.9	132.9	132.9	135.3	133.9	130.4	122.5	109.2	102.7
77.5°	81.5	85.5	94.3	97.3	96.8	97.8	93.4	89.9	78.0	71.1	65.7
80°	59.3	61.7	66.2	68.2	68.7	70.1	64.7	61.7	54.8	46.9	44.5
82.5°	43.0	44.5	44.9	47.4	47.4	44.9	43.5	40.5	35.6	30.6	28.6
85°	17.8	18.3	18.8	21.7	22.2	26.7	24.7	23.2	20.3	17.3	15.8
87.5°	4.4	4.9	6.4	5.4	6.4	6.4	6.9	7.9	7.9	6.4	6.4
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°	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5
2.5°	1347.0	1351.0	1401.4	1407.8	1432.5	1457.7	1508.5	1545.1	1574.7	1594.0	1599.4
5°	1140.0	1165.2	1188.5	1226.0	1260.1	1308.5	1364.3	1433.5	1520.4	1564.9	1582.6
7.5°	892.6	922.2	955.8	992.4	1042.2	1129.2	1203.8	1283.8	1394.9	1440.9	1510.5
10°	728.6	761.7	806.1	834.3	894.6	977.5	1064.5	1156.8	1263.0	1329.2	1409.7
12.5°	644.1	671.3	712.3	771.6	816.5	870.3	935.1	1051.6	1203.8	1266.5	1321.8
15°	550.8	580.9	628.3	694.0	747.8	812.1	884.7	1011.6	1173.6	1270.5	1317.4
17.5°	473.7	495.4	545.3	602.1	663.9	734.0	838.2	1009.6	1205.3	1329.2	1405.8
20°	420.4	423.3	450.5	498.9	582.9	674.2	809.6	999.8	1306.5	1430.5	1527.3
22.5°	386.8	383.8	384.3	425.3	484.1	615.5	764.6	1033.4	1421.6	1591.5	1656.7
25°	370.0	362.1	357.1	366.0	419.4	545.8	730.6	1077.8	1545.6	1724.4	1804.4
27.5°	361.1	347.3	337.4	338.9	377.9	510.7	709.3	1097.1	1668.6	1909.6	1937.8
30°	357.6	340.3	326.0	321.1	346.8	461.8	663.9	1130.2	1778.7	2011.4	2035.6
32.5°	345.3	324.0	310.2	305.8	316.1	418.9	631.3	1153.9	1876.0	2122.0	2113.6
35°	331.0	313.2	295.9	287.5	294.9	391.2	605.1	1142.5	1990.6	2208.0	2203.5
37.5°	329.5	306.3	291.9	278.1	277.6	357.1	569.5	1153.4	2063.7	2362.1	2301.3
40°	316.6	301.8	283.0	271.7	265.3	339.8	535.0	1127.7	2170.9	2424.3	2364.6
42.5°	317.1	294.9	278.6	265.3	258.8	314.6	511.2	1120.8	2208.5	2525.6	2394.2
45°	309.2	287.5	273.7	257.8	254.4	295.4	488.5	1088.7	2274.7	2530.5	2357.2
47.5°	301.3	282.0	267.2	248.5	240.6	288.5	470.7	1062.0	2240.1	2484.1	2305.8
50°	295.9	273.7	259.8	246.5	224.3	276.6	447.5	1055.6	2191.7	2421.4	2210.5
52.5°	286.5	266.7	252.4	242.0	206.5	265.7	438.6	1093.1	2251.0	2374.4	2182.8
55°	277.6	257.4	239.1	218.8	191.7	237.1	413.9	1128.2	2337.4	2482.6	2308.3
57.5°	268.2	249.0	229.2	205.0	177.3	207.5	388.2	1134.6	2175.4	2294.4	2191.2
60°	255.9	231.2	216.4	184.7	162.0	171.9	307.7	1000.3	1687.4	1916.1	1919.5
62.5°	242.0	215.4	202.5	165.5	146.2	148.2	250.9	840.7	1368.8	1586.1	1680.4
65°	223.8	198.1	182.8	153.1	134.8	128.4	183.8	616.0	1039.8	1286.8	1393.9
67.5°	200.1	175.8	156.6	133.4	120.5	110.2	125.5	346.8	614.0	863.9	896.5
70°	174.9	154.1	133.9	114.6	100.3	92.9	91.9	153.6	293.4	464.8	529.0
72.5°	137.8	123.0	106.7	92.4	83.0	72.1	65.7	63.7	99.3	189.2	261.3
75°	98.8	86.4	77.1	67.7	60.8	54.8	49.9	45.4	41.5	47.4	65.2
77.5°	62.2	57.8	50.4	47.9	44.0	42.5	40.5	38.0	35.1	33.1	33.1
80°	42.0	39.0	36.6	36.1	34.6	34.1	34.6	32.1	29.1	26.7	27.7
82.5°	28.2	27.7	27.2	26.7	27.2	27.7	28.6	28.2	25.7	24.2	24.7
85°	16.8	17.8	18.8	19.8	21.7	19.3	15.8	13.3	11.9	10.9	10.4
87.5°	6.4	8.9	7.9	7.4	7.9	7.4	6.9	6.4	5.4	4.9	4.9
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°	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5
2.5°	1635.5	1645.4	1653.8	1651.8	1634.5	1611.3	1601.9	1554.0	1544.1	1537.7
5°	1657.7	1715.0	1727.4	1720.0	1675.0	1618.2	1562.9	1492.7	1451.7	1450.3
7.5°	1616.7	1687.4	1709.6	1726.4	1666.6	1567.8	1473.0	1367.8	1342.1	1344.1
10°	1512.5	1625.1	1679.9	1697.2	1628.6	1543.1	1411.7	1305.0	1250.2	1249.2
12.5°	1454.7	1543.1	1558.4	1582.6	1562.4	1475.9	1376.2	1256.6	1203.3	1202.3
15°	1403.3	1461.6	1466.1	1500.1	1511.0	1452.7	1385.5	1258.1	1215.1	1210.7
17.5°	1448.3	1407.8	1391.0	1395.4	1427.5	1448.8	1439.9	1342.1	1298.1	1273.4
20°	1478.4	1388.0	1337.1	1342.1	1380.1	1457.7	1520.9	1463.6	1393.9	1396.9
22.5°	1558.9	1391.0	1311.5	1306.0	1366.3	1504.1	1612.3	1617.2	1550.0	1533.7
25°	1679.4	1425.1	1303.5	1302.1	1359.9	1554.0	1719.0	1799.0	1730.3	1700.2
27.5°	1776.3	1478.4	1328.2	1333.2	1380.1	1594.5	1809.9	1916.1	1863.7	1826.6
30°	1861.2	1533.7	1362.8	1340.1	1434.4	1615.7	1848.9	2049.4	2007.4	1976.8
32.5°	1896.3	1612.3	1417.7	1380.1	1479.4	1641.4	1929.9	2178.8	2142.8	2067.2
35°	1955.6	1656.2	1447.3	1444.3	1557.9	1703.2	1967.9	2264.3	2249.5	2182.3
37.5°	2003.0	1700.7	1552.5	1519.9	1665.6	1806.9	2029.2	2382.3	2348.3	2316.7
40°	2039.5	1780.2	1650.8	1693.8	1798.0	1901.2	2085.5	2389.8	2488.1	2396.2
42.5°	2006.0	1851.3	1812.3	1915.1	2013.9	2008.9	2091.9	2447.1	2520.7	2472.7
45°	1997.6	1971.9	2067.7	2161.1	2183.8	2098.3	2046.0	2383.8	2510.8	2489.5
47.5°	1977.3	2090.4	2257.4	2409.5	2374.9	2158.1	1991.1	2372.5	2516.7	2478.7
50°	1970.4	2116.1	2397.7	2545.8	2525.1	2210.0	1965.4	2299.4	2474.7	2471.3
52.5°	1969.9	2169.0	2455.9	2619.9	2632.8	2292.0	2000.5	2336.4	2507.3	2536.5
55°	1992.1	2152.2	2448.5	2578.9	2574.0	2255.4	2004.5	2361.1	2547.3	2576.0
57.5°	1879.0	1927.9	2020.8	2124.0	2097.3	1868.1	1790.1	2182.8	2337.9	2317.1
60°	1622.6	1469.5	1364.8	1359.9	1308.0	1236.4	1465.1	1948.2	1948.2	1927.9
62.5°	1421.1	964.7	828.9	790.3	827.4	909.9	1413.2	1894.8	1841.0	1817.8
65°	1242.8	736.5	599.2	588.3	652.5	777.0	1277.9	1614.2	1519.4	1442.3
67.5°	799.7	539.4	445.5	426.3	503.8	570.5	850.6	992.9	933.1	903.0
70°	515.7	351.2	248.0	232.7	262.8	351.7	543.4	578.9	492.0	471.7
72.5°	244.0	151.6	86.9	71.6	80.5	134.4	214.9	231.2	192.1	175.8
75°	77.6	55.8	35.6	30.6	29.1	34.6	49.4	38.0	27.7	27.2
77.5°	34.6	33.1	28.2	23.7	20.7	17.3	14.3	11.9	12.3	12.8
80°	28.6	26.2	23.2	20.7	17.3	13.3	10.4	7.9	7.9	8.4
82.5°	25.2	22.7	20.3	17.3	14.8	10.9	7.9	5.4	4.9	4.9
85°	10.9	12.8	13.8	14.8	11.9	8.9	5.4	3.5	3.0	3.0
87.5°	4.4	4.0	3.5	3.0	2.5	2.5	2.0	1.5	1.0	1.0
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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