

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: P526156

Luminaire Tested: **GALN-SA1A-750-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-750-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3447 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

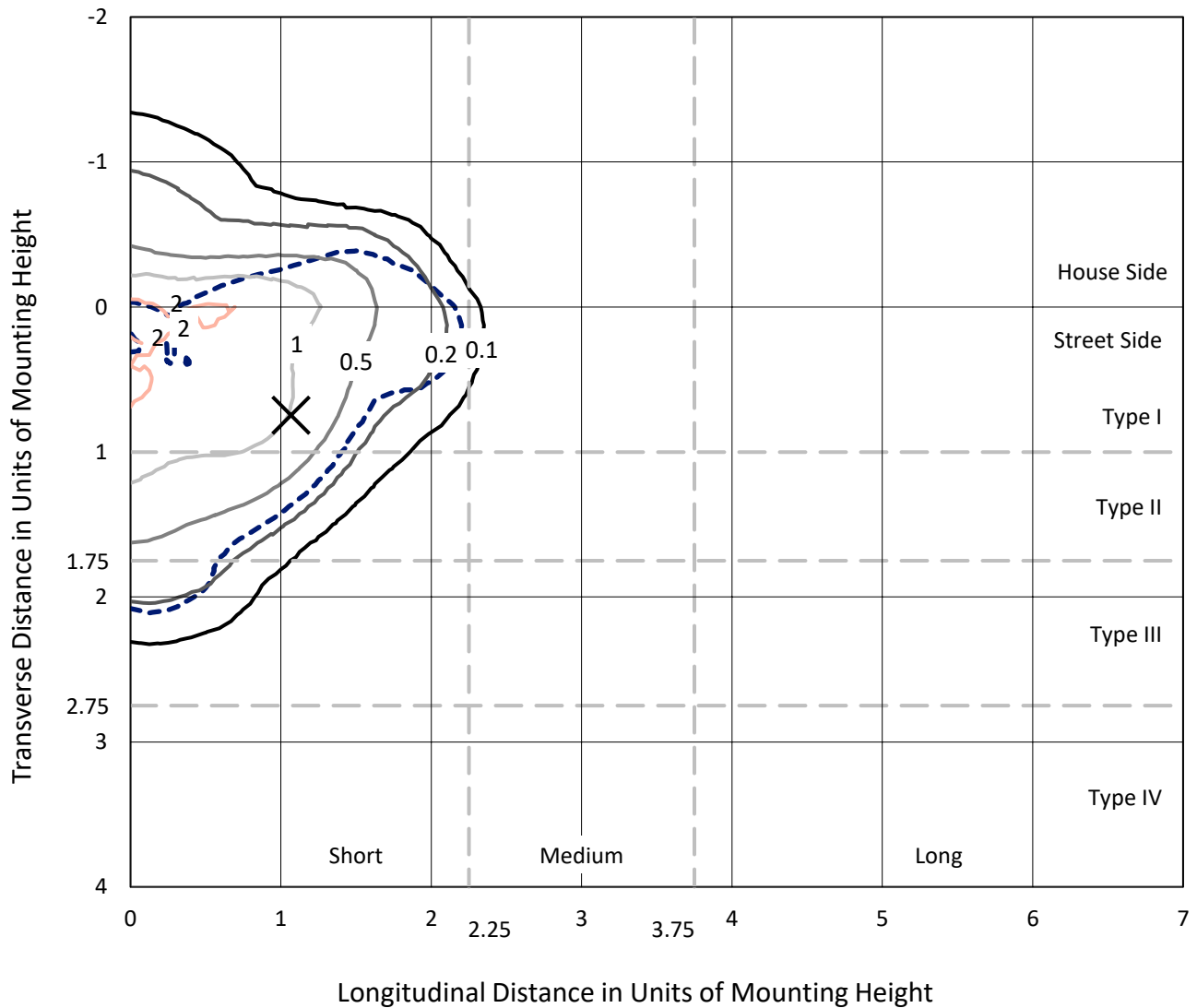
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

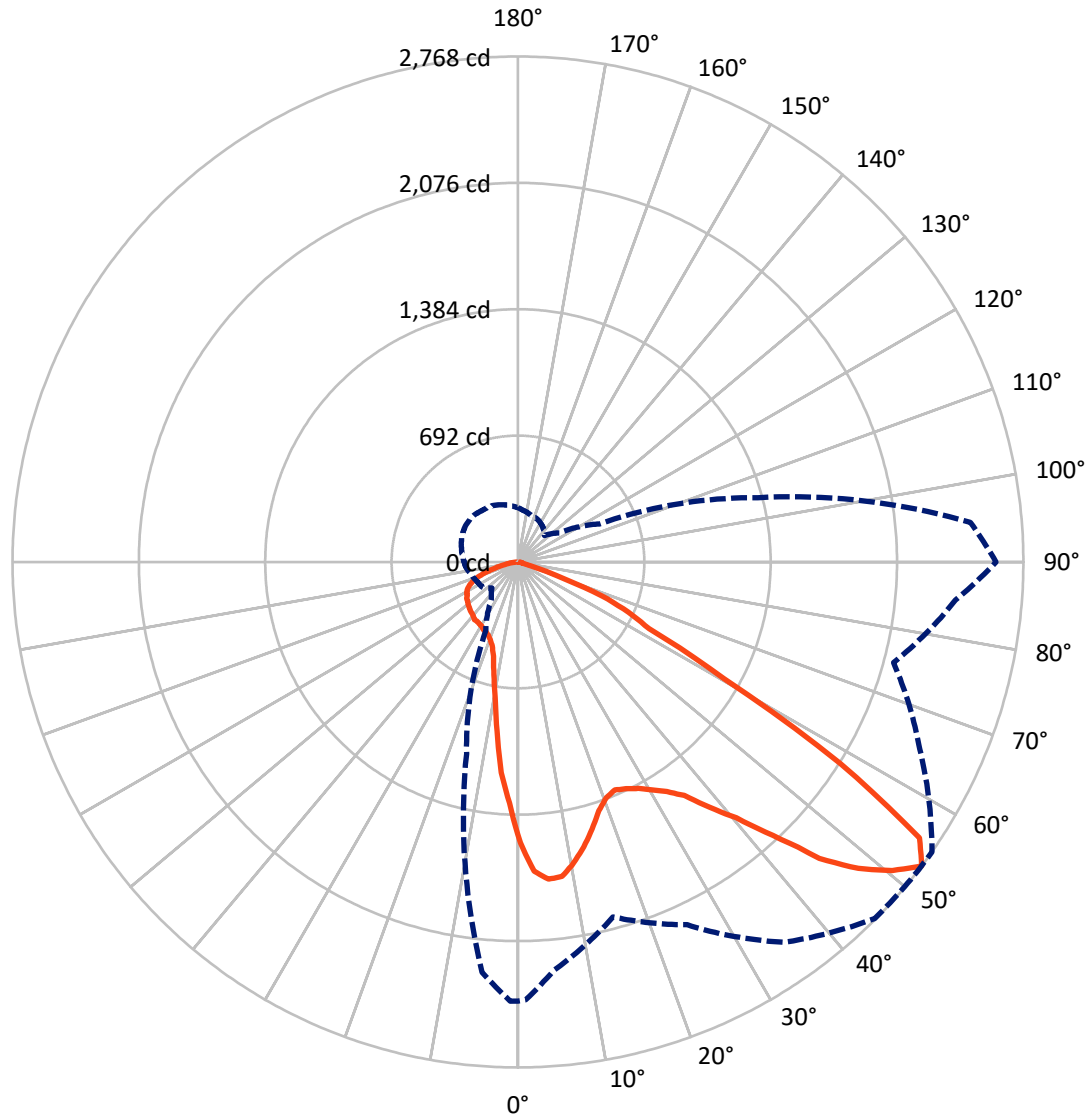
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1051.5	0.0	1051.5
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	2395.5	0.0	2395.5
	% Fixture	69.5	0.0	69.5
Total	Lumens	3447.0	0.0	3447.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	3.4
10°-20°	253.3	7.3
20°-30°	384.1	11.1
30°-40°	554.9	16.1
40°-50°	741.5	21.5
50°-60°	827.7	24.0
60°-70°	454.0	13.2
70°-80°	98.2	2.8
80°-90°	15.9	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°	3447.0	100.0
0°-180°	3447.0	100.0

Coefficient of Utilization

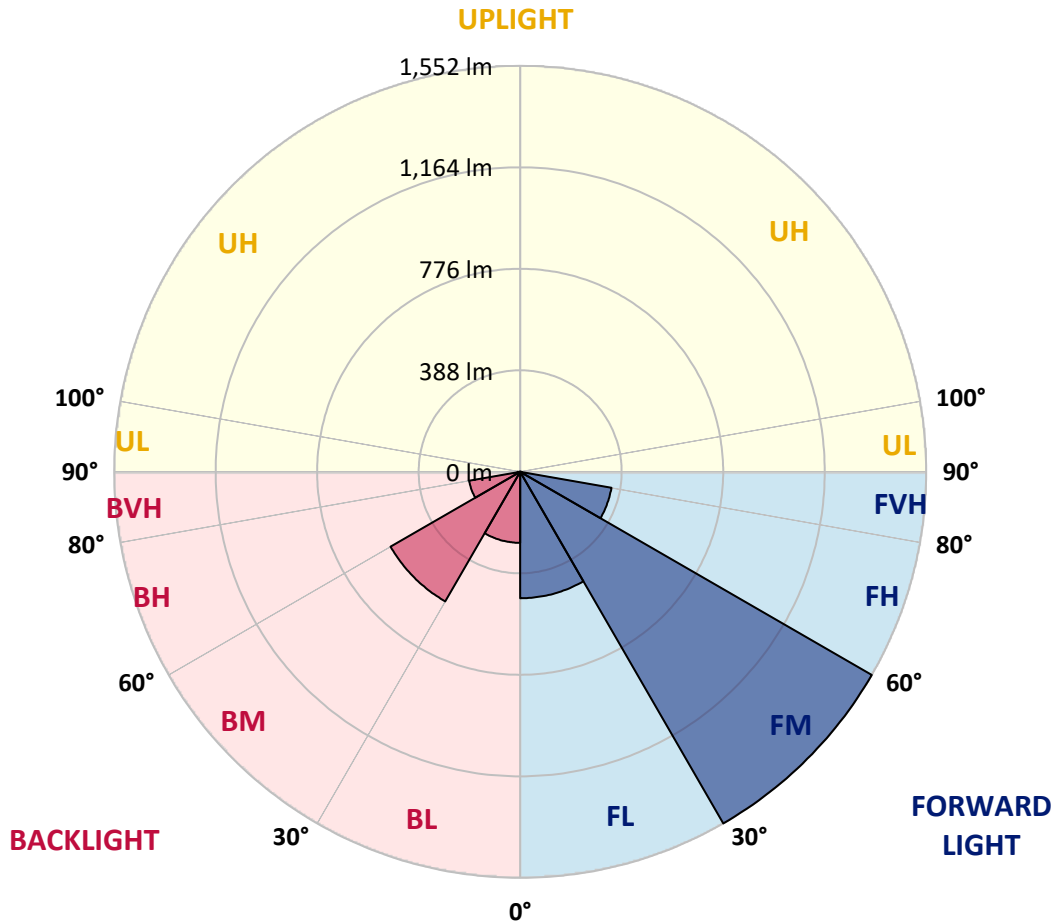


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.3	14.0			
FM (30°-60°)	1552.0	45.0			
FH (60°-80°)	354.3	10.3			G0/660
FVH (80°-90°)	5.9	0.2			G0/10
BL (0°-30°)	271.5	7.9	B1/500		
BM (30°-60°)	572.1	16.6	B1/1000		
BH (60°-80°)	197.9	5.7	B1/500		G1/500
BVH (80°-90°)	10.0	0.3			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6
2.5°	1613.6	1604.6	1612.6	1650.9	1673.0	1688.1	1697.7	1696.2	1659.9	1624.7	1624.7
5°	1566.3	1554.7	1571.4	1657.9	1745.0	1752.5	1765.1	1744.5	1691.1	1626.7	1546.2
7.5°	1429.4	1438.0	1465.7	1579.4	1692.6	1749.5	1764.6	1738.5	1651.9	1531.6	1413.3
10°	1311.1	1331.3	1395.2	1518.0	1622.2	1696.2	1712.8	1676.0	1607.6	1460.1	1354.4
12.5°	1270.4	1257.8	1328.8	1451.6	1551.2	1591.0	1598.5	1601.0	1554.7	1423.9	1295.0
15°	1265.3	1273.4	1328.8	1421.9	1483.3	1485.3	1497.9	1517.5	1523.5	1448.5	1322.7
17.5°	1337.8	1328.2	1385.1	1459.1	1429.9	1400.7	1403.7	1431.9	1481.8	1469.7	1409.8
20°	1445.0	1466.7	1511.5	1503.9	1425.4	1351.4	1351.9	1378.6	1476.7	1557.3	1531.1
22.5°	1623.2	1644.3	1677.6	1586.5	1425.4	1336.8	1319.7	1355.9	1508.9	1661.4	1668.0
25°	1785.8	1824.5	1833.6	1726.4	1496.9	1350.4	1339.3	1375.1	1541.2	1763.1	1825.0
27.5°	1933.7	1947.8	1987.6	1816.5	1536.6	1359.5	1358.4	1404.3	1581.9	1813.9	1965.4
30°	2050.5	2049.0	2071.6	1873.3	1600.0	1410.3	1361.5	1448.0	1635.3	1898.0	2095.3
32.5°	2130.0	2147.1	2195.0	1952.4	1626.7	1458.6	1420.4	1499.4	1700.2	1937.8	2186.9
35°	2270.0	2299.6	2239.3	1996.1	1711.3	1506.4	1461.6	1569.3	1732.4	1981.0	2299.1
37.5°	2401.8	2379.2	2317.8	2019.8	1766.1	1595.0	1553.2	1704.7	1832.6	2075.2	2373.6
40°	2486.4	2485.9	2376.7	2038.9	1804.9	1730.4	1727.9	1842.1	1955.4	2134.6	2457.2
42.5°	2523.1	2558.4	2400.8	2036.9	1886.4	1894.5	1945.3	2047.5	2042.5	2146.6	2455.2
44°	2573.5	2594.6	2442.6	2041.4	1940.8	2005.2	2125.0	2189.9	2118.5	2140.1	2452.7
45°	2571.4	2572.9	2383.2	2047.5	1987.1	2097.8	2205.0	2314.7	2185.4	2126.0	2485.9
47.5°	2512.6	2495.4	2332.9	2002.7	2131.5	2342.4	2441.6	2508.0	2267.9	2095.8	2444.6
50°	2396.3	2376.7	2210.6	1983.6	2161.7	2494.4	2631.3	2655.5	2342.9	2066.1	2403.8
52.5°	2404.3	2398.8	2245.3	2012.3	2191.9	2542.2	2761.7	2767.7	2428.0	2128.5	2404.3
55°	2548.3	2529.2	2344.9	2048.0	2169.8	2486.4	2678.6	2668.1	2399.3	2090.8	2448.6
57.5°	2331.9	2344.4	2207.0	1906.6	1899.0	2021.3	2105.9	2079.7	2002.2	1886.9	2278.0
60°	1881.4	1917.1	1930.2	1594.5	1432.9	1370.0	1344.9	1298.6	1311.6	1550.2	2001.2
62.5°	1613.6	1611.6	1693.7	1445.5	938.7	807.3	795.2	805.8	956.8	1526.1	1959.9
65°	1279.4	1313.7	1338.8	1225.1	742.9	599.4	598.9	665.9	828.0	1275.4	1582.4
67.5°	812.4	857.1	888.4	783.7	496.8	426.8	415.2	495.8	573.8	836.5	952.8
70°	458.0	479.2	493.2	452.0	316.1	221.5	208.4	227.5	346.8	541.6	564.7
72.5°	176.7	186.2	205.4	206.9	119.3	71.5	57.9	69.5	146.0	214.4	204.3
75°	27.2	29.2	41.3	49.3	34.2	26.2	27.7	28.7	40.8	55.4	46.3
77.5°	13.1	13.1	12.6	14.6	17.1	18.6	20.1	22.1	24.2	26.7	25.7
80°	8.6	8.6	8.6	10.1	12.6	15.1	17.1	18.1	19.1	21.1	20.1
82.5°	5.5	5.5	5.5	7.5	10.1	12.6	13.6	16.1	18.1	21.1	19.6
85°	3.0	3.0	3.0	5.0	7.5	10.6	10.1	8.1	4.5	0.5	1.0
87.5°	1.0	1.0	1.0	1.0	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°	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6
2.5°	1582.4	1559.3	1557.3	1509.9	1467.7	1447.0	1430.4	1384.1	1394.2	1367.5	1367.0
5°	1505.9	1458.6	1382.1	1319.2	1256.3	1243.7	1188.8	1141.0	1142.5	1108.3	1114.3
7.5°	1368.5	1335.8	1242.7	1144.0	1060.5	1001.1	949.3	918.0	878.3	864.7	857.6
10°	1281.4	1241.2	1136.5	1012.7	919.1	887.3	837.5	809.8	769.1	748.9	734.8
12.5°	1243.2	1184.3	1053.4	927.6	865.2	832.5	790.2	739.9	691.6	672.9	647.3
15°	1247.2	1176.8	1029.3	893.4	818.4	755.0	717.2	661.4	612.0	579.3	560.7
17.5°	1308.1	1222.6	1040.4	867.2	759.5	680.0	606.0	545.6	506.3	481.7	475.6
20°	1452.1	1335.8	1059.0	824.9	700.6	601.5	510.4	447.4	417.2	416.7	417.2
22.5°	1571.9	1456.6	1096.7	799.8	641.7	500.8	410.2	390.1	384.0	396.6	398.1
25°	1733.4	1592.5	1161.7	786.7	587.4	426.8	370.9	363.4	362.9	379.0	379.5
27.5°	1899.0	1711.3	1200.4	748.4	532.0	388.6	347.3	345.8	353.8	370.9	369.4
30°	2011.8	1810.9	1270.4	702.6	466.6	354.8	337.7	339.7	350.8	363.9	365.9
32.5°	2143.1	1909.1	1288.5	677.5	426.3	326.7	314.6	319.1	333.2	353.8	364.9
35°	2293.6	1978.5	1316.2	643.2	411.2	305.0	299.0	304.0	321.1	334.7	346.8
37.5°	2404.8	2101.3	1321.2	616.6	394.6	292.9	283.4	300.0	310.0	329.2	335.2
40°	2487.4	2190.4	1334.3	600.0	381.5	277.3	277.3	288.4	302.0	319.6	331.7
42.5°	2540.2	2255.4	1343.9	584.9	356.3	272.8	270.3	281.4	299.5	316.6	322.1
44°	2572.4	2283.0	1334.3	570.8	349.3	267.3	267.3	276.8	290.9	311.0	317.6
45°	2580.5	2317.8	1313.1	570.3	340.7	260.7	259.7	277.8	287.4	312.1	316.1
47.5°	2611.7	2360.5	1315.7	554.2	320.1	245.1	262.7	270.8	279.3	301.0	314.6
50°	2610.7	2387.2	1310.1	530.5	305.0	227.5	256.7	265.8	274.3	296.5	302.0
52.5°	2617.7	2486.9	1361.0	492.7	277.8	204.8	236.6	256.7	267.3	285.9	297.5
55°	2614.2	2543.8	1411.3	464.6	239.6	191.3	219.4	243.1	258.2	277.8	283.4
57.5°	2387.7	2248.3	1306.1	411.7	198.3	175.2	195.3	229.0	248.1	268.3	275.3
60°	1950.9	1732.9	1077.1	303.0	163.1	161.1	181.7	224.5	232.5	250.1	262.2
62.5°	1802.9	1520.0	854.1	231.5	139.4	147.5	167.6	202.8	215.4	237.1	248.1
65°	1410.8	1009.7	529.0	156.5	122.8	132.4	151.5	177.7	198.3	218.4	231.5
67.5°	835.5	551.6	261.7	109.7	107.2	117.3	136.9	156.5	180.2	202.3	208.9
70°	455.0	271.3	111.7	83.6	91.1	100.2	119.3	132.9	155.5	172.6	183.7
72.5°	146.0	82.5	55.9	61.9	69.5	80.0	91.6	108.2	124.3	134.4	143.4
75°	35.2	34.7	39.8	43.3	50.3	58.4	67.9	76.5	89.1	98.6	106.7
77.5°	24.7	26.7	30.7	35.7	38.3	41.3	47.3	53.9	59.4	66.4	71.5
80°	19.1	20.6	23.7	26.2	28.7	31.2	34.2	36.7	40.3	44.8	47.3
82.5°	18.1	19.1	22.1	23.7	22.6	22.1	24.2	25.2	25.7	27.2	28.7
85°	1.5	0.0	1.0	3.5	8.6	12.6	13.6	13.6	13.1	14.1	14.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.0	1.5
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°	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6
2.5°	1361.0	1343.9	1350.4	1358.4	1346.9	1320.2	1327.2	1324.2	1351.4	1349.4	1376.6
5°	1141.0	1114.3	1117.4	1156.6	1144.0	1157.6	1130.4	1126.9	1132.0	1134.5	1139.0
7.5°	873.3	869.7	899.9	933.1	948.7	932.6	906.0	899.9	894.4	883.3	908.5
10°	712.7	713.7	711.7	736.9	754.5	750.9	734.8	732.8	722.3	718.2	732.3
12.5°	636.2	622.6	616.1	608.0	621.6	630.7	623.6	618.6	619.1	624.1	626.1
15°	562.2	553.6	539.6	530.5	537.0	532.5	530.0	540.1	537.5	536.5	548.6
17.5°	479.2	486.2	485.2	475.1	483.7	480.2	479.7	472.6	463.1	456.0	460.0
20°	424.3	437.4	447.4	448.0	452.5	452.0	444.4	422.8	415.7	414.2	415.2
22.5°	404.7	411.7	423.8	440.9	440.9	432.9	423.8	398.6	392.1	385.0	382.0
25°	389.1	402.7	418.3	420.3	428.3	420.8	406.2	393.6	380.0	370.4	370.4
27.5°	381.0	396.1	407.7	411.2	422.3	416.2	401.1	385.0	368.9	368.4	359.9
30°	377.5	391.6	399.1	407.7	412.7	403.2	398.6	381.5	365.4	361.4	347.3
32.5°	366.9	387.0	401.1	399.1	403.2	399.1	392.6	378.5	360.4	351.3	349.8
35°	354.8	375.0	390.1	400.6	403.2	394.6	390.6	371.4	346.8	342.3	326.7
37.5°	348.3	360.4	379.0	396.1	399.6	395.1	381.5	361.9	337.2	332.2	318.6
40°	340.2	355.8	370.4	384.5	395.1	384.0	368.4	349.3	338.2	323.1	319.1
42.5°	334.2	351.8	363.9	379.5	391.6	377.0	358.9	345.8	330.2	320.1	308.5
44°	332.2	348.3	356.3	375.5	385.5	374.5	359.4	345.8	327.7	318.6	308.5
45°	325.1	347.3	355.8	373.0	381.5	372.5	353.3	339.7	326.7	315.6	305.0
47.5°	318.1	333.2	347.8	361.4	367.4	364.4	348.3	331.7	316.1	309.5	299.5
50°	316.1	331.2	344.8	357.4	364.4	358.4	343.8	327.7	309.5	299.0	290.4
52.5°	306.0	324.6	339.7	343.8	352.8	349.3	338.2	320.6	303.5	294.4	287.4
55°	291.4	311.0	331.7	336.7	349.8	344.3	327.7	311.0	296.5	282.9	273.8
57.5°	285.9	305.0	325.1	331.7	339.7	330.7	326.7	309.0	285.9	278.8	264.7
60°	271.8	295.9	312.6	327.7	328.2	325.6	318.6	298.5	279.3	266.3	256.2
62.5°	260.7	283.4	296.5	310.5	319.1	312.1	305.0	286.4	265.8	251.2	239.6
65°	244.6	265.2	276.3	284.9	294.4	293.4	281.4	267.8	246.1	234.5	223.5
67.5°	219.9	238.1	253.2	261.2	267.3	265.8	256.7	247.1	225.0	213.4	205.4
70°	190.3	208.9	218.4	223.0	229.0	232.0	225.0	220.5	200.8	185.7	178.2
72.5°	153.0	165.1	179.2	183.2	185.7	187.7	187.7	183.7	163.6	157.5	144.5
75°	112.7	122.3	132.9	132.9	137.4	137.9	138.9	136.4	121.3	113.2	110.2
77.5°	76.5	83.6	92.1	95.6	98.6	98.1	97.6	90.6	82.5	79.0	76.0
80°	49.8	56.9	60.9	65.4	68.5	67.9	69.0	63.9	60.4	54.4	55.4
82.5°	29.7	35.2	39.3	44.8	44.8	46.3	46.3	44.8	41.3	38.3	38.3
85°	14.1	18.6	21.1	24.7	26.7	27.2	24.2	20.6	17.1	15.6	17.1
87.5°	2.5	3.5	5.0	4.5	5.5	5.0	5.0	5.0	5.0	4.0	4.5
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°	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6	1537.6
2.5°	1366.5	1391.7	1409.3	1438.5	1488.8	1529.1	1570.3	1601.0	1604.6	1613.6
5°	1155.6	1169.2	1214.0	1272.4	1313.7	1381.6	1425.4	1504.9	1534.6	1566.3
7.5°	902.4	924.6	984.5	1023.7	1114.3	1199.4	1287.5	1385.6	1424.9	1429.4
10°	761.0	793.2	834.0	896.9	946.2	1040.9	1150.6	1259.8	1303.6	1311.1
12.5°	668.4	709.7	764.0	809.3	856.6	939.2	1044.4	1179.3	1236.1	1270.4
15°	579.3	622.1	682.0	744.9	786.7	885.3	1009.1	1161.1	1235.1	1265.3
17.5°	487.7	527.5	576.8	644.7	728.8	839.5	1003.6	1221.5	1302.6	1337.8
20°	409.2	431.3	488.7	558.7	663.9	792.7	1005.6	1310.6	1429.4	1445.0
22.5°	378.5	383.5	406.2	470.6	585.9	744.9	1041.4	1437.0	1571.9	1623.2
25°	354.8	353.8	359.9	403.2	529.0	726.3	1076.6	1553.2	1729.9	1785.8
27.5°	341.8	331.7	332.2	373.0	488.7	696.1	1121.9	1686.6	1909.1	1933.7
30°	335.2	333.2	327.2	343.8	444.9	650.8	1129.4	1818.0	2014.8	2050.5
32.5°	331.2	311.6	304.0	310.0	403.7	601.5	1157.6	1904.5	2145.6	2130.0
35°	311.0	293.4	288.4	294.4	374.5	573.8	1139.0	1980.0	2243.8	2270.0
37.5°	303.5	287.9	277.8	272.8	347.3	550.6	1129.4	2096.3	2338.9	2401.8
40°	296.5	279.8	267.8	262.7	326.1	519.9	1126.4	2185.9	2448.6	2486.4
42.5°	288.4	277.8	264.2	255.2	300.5	489.2	1091.7	2213.6	2482.4	2523.1
44°	285.9	269.8	255.7	252.7	290.4	473.6	1084.6	2238.7	2511.5	2573.5
45°	283.4	268.3	252.2	248.1	286.9	465.1	1075.1	2244.8	2559.9	2571.4
47.5°	276.3	266.8	251.2	240.1	279.3	446.4	1046.4	2210.6	2510.5	2512.6
50°	270.8	259.7	243.6	222.0	269.3	430.8	1059.5	2198.0	2391.8	2396.3
52.5°	264.7	248.1	239.1	201.8	252.7	417.8	1087.2	2254.9	2405.3	2404.3
55°	257.7	239.6	217.4	184.7	225.0	401.1	1154.1	2367.1	2531.2	2548.3
57.5°	246.6	231.0	199.3	169.6	193.3	369.4	1132.5	2152.2	2328.8	2331.9
60°	232.0	217.4	180.7	158.0	158.5	291.4	1012.7	1677.0	1837.6	1881.4
62.5°	217.9	209.9	165.1	141.4	134.9	232.0	856.1	1393.7	1577.4	1613.6
65°	201.3	181.7	151.5	128.8	115.8	162.6	606.5	1041.4	1230.6	1279.4
67.5°	180.2	159.0	133.4	113.2	99.2	108.7	313.1	591.9	783.7	812.4
70°	157.5	137.9	112.2	95.6	80.0	75.0	137.9	282.4	428.3	458.0
72.5°	129.4	111.2	89.6	75.5	59.9	51.8	46.3	75.5	152.0	176.7
75°	93.6	81.0	67.4	53.9	42.3	33.2	27.2	22.6	25.2	27.2
77.5°	69.0	58.9	49.8	38.3	29.7	23.7	18.6	14.1	13.6	13.1
80°	53.9	47.8	39.8	30.7	23.2	17.6	13.1	9.6	8.6	8.6
82.5°	42.3	39.3	32.7	25.2	19.1	14.1	9.6	6.5	5.5	5.5
85°	16.1	16.1	23.7	20.6	14.6	10.1	6.5	3.5	3.0	3.0
87.5°	4.0	4.0	4.0	4.0	3.5	3.0	3.0	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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