

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: P270172

Luminaire Tested: **GWC-AF-01-LED-E1-SLR-7027-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P270172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-SLR-7027-1200
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5324.5 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

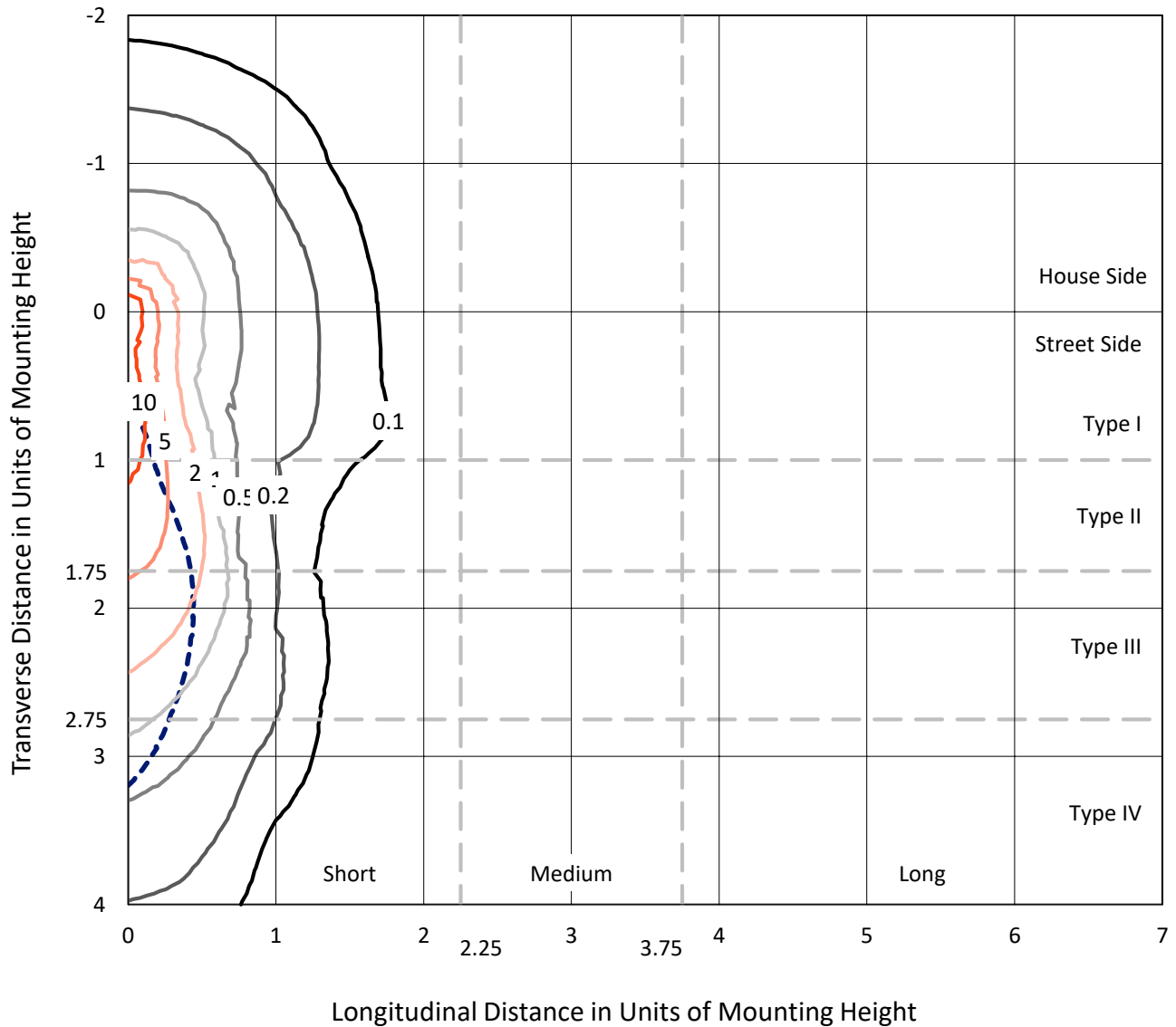
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

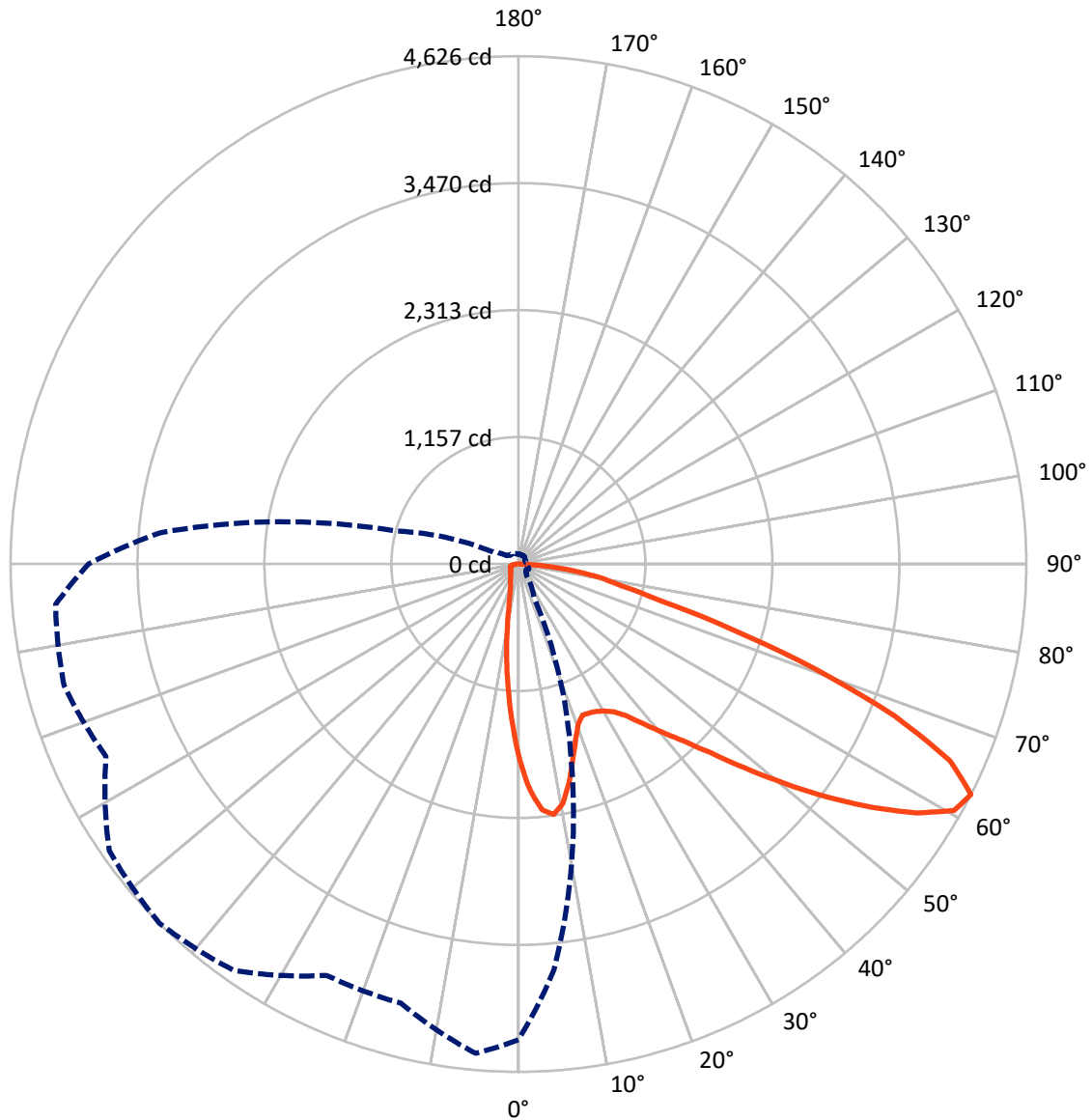
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	881.1	0.0	881.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	4443.4	0.0	4443.4
	% Fixture	83.5	0.0	83.5
Total	Lumens	5324.5	0.0	5324.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.0	2.5
10°-20°	240.1	4.5
20°-30°	350.1	6.6
30°-40°	539.2	10.1
40°-50°	793.6	14.9
50°-60°	1164.0	21.9
60°-70°	1301.2	24.4
70°-80°	637.1	12.0
80°-90°	168.2	3.2
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°	5324.5	100.0
0°-180°	5324.5	100.0



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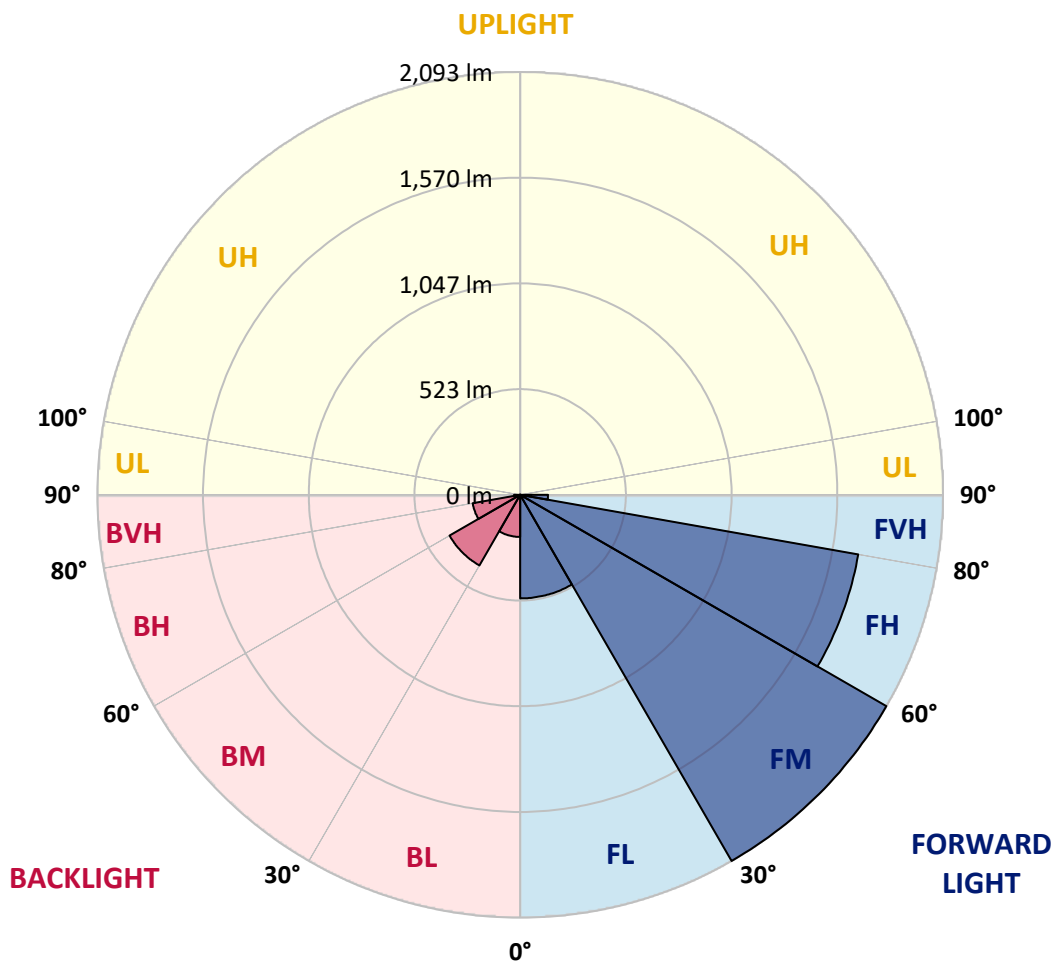
CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-7027-1200

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	512.7	9.6			
FM (30°-60°)	2093.1	39.3			
FH (60°-80°)	1699.4	31.9			G1/1800
FVH (80°-90°)	138.1	2.6			G2/225
BL (0°-30°)	208.5	3.9	B1/500		
BM (30°-60°)	403.7	7.6	B1/1000		
BH (60°-80°)	238.9	4.5	B1/500		G1/500
BVH (80°-90°)	30.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9
2.5°	1869.2	1831.1	1767.9	1702.0	1662.0	1615.2	1578.5	1546.3	1481.9	1469.4	1480.8
5°	1757.7	1681.3	1562.2	1442.0	1362.2	1276.4	1209.7	1156.2	1074.6	1060.2	1077.3
7.5°	1578.9	1487.6	1330.0	1176.9	1064.0	956.9	884.8	827.5	763.6	736.2	737.9
10°	1424.5	1321.5	1135.4	968.8	876.3	804.1	743.4	684.6	619.9	577.5	565.8
12.5°	1338.3	1219.7	1005.2	856.4	770.7	694.6	629.4	566.4	497.3	454.0	441.6
15°	1323.4	1194.4	956.2	784.4	677.1	580.8	503.7	433.5	362.3	327.3	319.9
17.5°	1388.1	1239.7	940.4	720.4	588.8	470.1	375.5	297.1	239.0	221.6	220.2
20°	1512.0	1326.2	938.4	660.1	502.0	362.6	261.6	204.6	179.1	174.1	174.5
22.5°	1686.2	1460.6	963.5	614.7	422.1	270.5	196.6	171.2	161.2	156.6	156.6
25°	1911.7	1645.5	1021.6	581.7	352.8	216.0	173.6	158.3	148.9	145.7	146.3
27.5°	2129.9	1825.5	1088.8	555.5	307.3	196.1	164.5	150.7	142.6	139.3	140.8
30°	2300.3	1985.3	1145.0	520.1	284.3	190.5	167.8	153.7	141.9	137.0	137.4
32.5°	2441.4	2125.3	1192.1	494.6	263.7	163.3	144.5	138.5	137.0	131.2	128.2
35°	2621.8	2277.7	1223.9	495.2	254.1	145.7	128.7	117.9	110.0	103.3	103.3
37.5°	2833.1	2452.8	1257.4	502.0	250.5	135.6	123.2	112.4	105.1	98.6	97.5
40°	3042.0	2624.3	1288.2	508.4	248.6	129.4	118.8	108.9	102.1	95.7	94.0
42.5°	3219.6	2765.4	1315.7	511.7	241.5	128.7	115.6	106.5	100.2	93.1	91.3
45°	3351.0	2883.6	1345.2	516.6	234.5	131.2	115.6	106.3	98.4	91.5	89.9
47.5°	3468.4	3022.3	1394.7	516.6	226.0	126.8	119.5	106.5	98.1	91.0	89.7
50°	3625.6	3212.7	1488.3	504.6	213.9	122.1	125.9	105.5	95.4	89.9	88.2
52.5°	3842.2	3456.5	1637.0	483.8	195.6	112.9	125.0	104.8	92.7	87.0	84.9
55°	4098.3	3717.5	1799.2	459.6	168.1	106.5	120.6	103.3	89.9	83.5	81.3
57.5°	4298.3	3897.2	1913.4	422.1	144.0	103.0	106.9	101.9	86.3	79.6	77.9
60°	4377.9	3890.2	1944.7	372.0	132.3	100.2	93.3	114.2	83.5	76.6	74.6
62.5°	4334.9	3710.4	1856.8	337.0	129.6	96.3	87.6	105.7	81.0	74.6	71.8
65°	4136.1	3392.1	1624.1	327.5	137.4	92.4	83.7	82.9	77.9	71.8	68.8
67.5°	3703.3	2916.2	1300.4	328.4	147.0	88.8	79.9	75.7	73.5	68.5	65.8
70°	3016.2	2305.6	969.5	330.8	152.0	84.4	75.7	71.4	68.8	63.8	62.1
72.5°	2217.7	1776.9	704.2	315.6	152.8	79.3	70.2	66.5	63.8	58.5	57.1
75°	1517.3	1359.2	488.5	261.3	133.2	72.4	64.0	60.5	58.7	52.5	51.6
77.5°	1108.5	1020.4	312.6	194.0	102.8	63.5	56.6	53.9	52.7	45.6	44.5
80°	889.5	807.2	195.6	132.9	75.2	53.3	47.4	46.0	44.7	37.8	36.9
82.5°	617.0	540.6	125.6	86.3	56.6	41.2	37.5	36.9	35.2	28.7	27.8
85°	325.5	293.6	79.6	58.7	41.1	28.3	26.1	26.1	25.2	19.0	18.4
87.5°	41.5	67.6	40.5	30.7	22.5	12.5	12.5	12.2	13.1	10.8	9.3
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9
2.5°	1453.8	1467.9	1454.4	1455.3	1470.3	1514.7	1534.9	1551.6	1569.5	1581.1	1586.3
5°	1053.7	1086.5	1097.5	1121.1	1155.6	1212.4	1234.9	1251.2	1262.1	1268.5	1271.2
7.5°	720.6	740.6	762.8	800.5	875.8	909.2	924.0	920.3	907.9	903.5	899.2
10°	543.3	535.3	531.3	552.0	613.0	646.6	657.1	646.9	640.1	641.6	648.9
12.5°	420.9	407.1	390.5	388.1	428.2	458.3	465.1	465.7	478.0	488.8	504.8
15°	306.7	305.2	297.1	292.0	314.9	339.5	342.4	347.7	358.9	366.8	380.8
17.5°	216.3	224.1	230.7	233.9	251.2	268.8	265.4	262.8	260.8	260.8	267.5
20°	174.5	179.8	187.9	197.3	214.9	227.1	219.2	208.6	201.1	198.7	199.7
22.5°	157.2	161.2	165.9	174.1	189.9	198.4	189.9	182.4	174.7	172.1	171.2
25°	148.4	153.7	158.0	164.2	175.9	181.7	173.6	168.1	163.3	160.1	157.7
27.5°	143.4	148.1	149.3	152.3	162.1	167.4	163.3	160.9	158.0	155.1	152.3
30°	138.2	137.4	135.3	135.6	143.4	148.7	148.4	148.9	148.7	147.9	147.2
32.5°	126.1	124.3	122.7	124.3	131.7	136.5	136.7	137.9	137.9	137.6	139.9
35°	105.1	108.2	110.3	115.6	124.3	128.5	126.8	123.7	118.5	115.3	115.1
37.5°	97.1	97.7	101.2	108.5	118.2	122.1	119.5	112.6	109.1	108.5	109.5
40°	93.3	94.0	95.9	102.8	112.4	116.2	113.8	108.9	105.7	105.5	106.9
42.5°	90.6	91.3	92.4	97.1	105.1	109.8	110.0	106.5	102.8	103.0	104.6
45°	89.3	89.7	89.3	91.5	99.0	104.6	106.9	104.6	101.2	101.9	103.7
47.5°	89.0	88.2	87.0	87.6	95.1	100.7	103.7	102.8	101.2	101.9	103.3
50°	87.9	85.8	84.4	84.0	91.5	97.5	100.2	100.2	100.7	101.9	103.3
52.5°	84.4	81.9	81.9	81.0	89.3	94.9	96.6	96.8	97.7	99.8	101.9
55°	79.9	79.1	79.9	78.4	87.6	92.7	93.7	94.2	94.9	96.6	99.5
57.5°	76.0	74.9	77.0	76.4	86.1	90.6	90.6	91.8	91.8	94.2	96.6
60°	74.0	71.8	72.7	73.2	84.0	89.0	88.5	89.7	90.2	92.2	94.0
62.5°	71.4	69.3	69.3	70.8	81.7	86.3	86.1	87.0	89.3	89.9	91.5
65°	68.2	67.4	66.5	68.2	79.3	83.5	83.7	84.9	87.0	87.6	89.0
67.5°	64.9	65.2	63.5	65.2	77.3	80.5	80.5	82.9	83.7	84.9	86.3
70°	61.4	61.8	60.2	62.3	75.7	77.3	77.0	80.2	80.8	81.7	83.2
72.5°	57.1	57.1	56.6	59.4	73.5	74.0	73.5	76.0	76.4	77.3	77.9
75°	52.5	52.5	51.8	56.0	72.0	70.5	68.8	70.8	71.4	72.0	72.0
77.5°	46.3	46.8	46.8	51.8	67.1	69.1	63.2	64.4	65.2	65.5	64.7
80°	38.6	40.2	40.8	47.2	56.2	63.8	56.6	57.4	57.6	57.6	56.6
82.5°	29.6	32.2	33.6	40.8	42.9	53.5	49.1	50.0	49.1	47.4	46.8
85°	20.5	24.1	25.7	31.0	32.5	41.2	41.1	41.1	39.3	36.9	36.7
87.5°	11.0	13.1	14.4	18.4	22.3	27.8	30.2	29.3	27.8	26.3	26.6
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9
2.5°	1614.0	1653.7	1717.3	1765.9	1814.8	1861.8	1912.9	1951.7	1984.7	1997.7	2036.8
5°	1297.8	1347.5	1407.6	1515.9	1592.5	1677.1	1775.0	1904.2	1954.1	2022.9	2135.5
7.5°	917.6	962.7	1059.3	1146.7	1255.4	1375.0	1507.0	1685.6	1750.8	1861.3	2044.8
10°	685.1	737.6	815.1	889.0	984.6	1107.0	1258.5	1458.2	1537.4	1657.3	1868.6
12.5°	552.0	613.8	696.0	765.4	839.5	925.9	1073.0	1291.9	1398.2	1503.0	1716.8
15°	424.1	488.8	565.3	653.2	735.0	828.1	982.2	1221.8	1344.0	1453.3	1635.6
17.5°	293.6	348.9	445.2	537.0	641.6	760.8	957.1	1236.6	1382.8	1508.6	1649.6
20°	208.0	239.7	318.8	425.3	555.5	705.1	952.5	1315.1	1505.0	1648.7	1739.7
22.5°	175.0	186.8	232.8	330.4	481.0	663.6	968.8	1425.2	1670.0	1853.7	1883.4
25°	159.4	166.5	190.5	259.3	414.5	633.3	1024.2	1589.0	1874.5	2058.6	2053.3
27.5°	151.1	158.3	174.1	218.9	364.4	614.7	1079.5	1783.5	2108.1	2280.9	2215.4
30°	148.4	158.3	175.0	206.3	328.7	585.1	1124.9	1954.1	2287.8	2431.2	2289.2
32.5°	146.3	147.9	155.4	178.0	294.7	550.7	1155.6	2107.2	2463.6	2574.0	2395.4
35°	118.2	125.6	137.9	159.4	274.8	529.8	1155.6	2239.1	2637.0	2718.4	2496.7
37.5°	113.8	120.4	131.2	149.6	263.7	519.5	1132.5	2366.4	2814.0	2881.9	2580.1
40°	111.5	116.8	127.0	141.9	259.0	507.8	1098.7	2478.9	2987.0	3045.9	2657.9
42.5°	109.8	114.4	124.1	137.4	253.0	495.0	1071.6	2569.1	3137.2	3185.7	2732.4
45°	108.9	113.8	124.3	139.6	240.6	478.0	1062.4	2666.4	3260.7	3302.4	2812.9
47.5°	108.9	114.8	125.9	144.5	226.0	460.4	1090.9	2794.9	3377.4	3397.8	2907.6
50°	107.9	114.4	130.0	139.6	204.6	438.2	1157.6	2956.9	3503.8	3506.3	3027.6
52.5°	106.3	113.8	139.9	136.7	180.0	408.9	1247.7	3164.5	3690.9	3705.0	3215.6
55°	104.3	112.9	137.4	130.0	159.8	374.1	1321.5	3417.2	3953.7	3992.6	3491.9
57.5°	101.6	111.7	132.9	120.6	146.7	329.3	1348.1	3602.3	4137.2	4235.0	3803.3
60°	99.3	110.9	120.1	115.1	138.5	291.5	1296.7	3565.6	4124.7	4335.4	4079.4
62.5°	96.8	111.7	109.5	111.5	134.7	267.2	1162.0	3272.6	3916.0	4231.8	4283.8
65°	94.2	103.9	103.3	108.5	133.8	257.5	963.3	2833.3	3512.6	3904.4	4332.2
67.5°	90.6	95.9	99.0	104.8	136.7	249.1	777.5	2337.2	2952.1	3413.4	4080.6
70°	87.0	91.3	94.5	100.2	134.9	245.2	646.6	1843.1	2342.5	2797.6	3583.8
72.5°	81.9	85.8	88.8	94.0	133.2	243.3	546.2	1484.3	1748.9	2078.1	2913.8
75°	76.0	79.6	81.7	87.0	127.6	222.7	429.4	1256.0	1308.7	1445.6	2320.9
77.5°	69.3	72.0	73.8	79.6	112.9	185.3	310.5	968.8	1016.3	1049.6	1779.4
80°	61.4	64.0	64.9	70.5	93.7	144.8	202.6	715.6	760.1	767.7	1162.0
82.5°	52.5	55.1	55.1	60.2	76.6	104.3	132.9	490.3	499.1	524.8	821.3
85°	42.1	44.1	44.1	46.8	59.4	77.9	91.3	246.1	243.5	278.0	711.5
87.5°	30.2	31.6	33.1	33.6	42.4	51.6	55.1	74.9	49.4	56.9	456.9
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9
2.5°	2066.5	2083.1	2066.1	2053.9	2000.9	1957.2	1898.9	1869.2
5°	2221.2	2263.6	2249.4	2197.9	2087.2	1962.8	1821.5	1757.7
7.5°	2202.6	2301.2	2303.6	2207.2	2044.3	1861.0	1669.5	1578.9
10°	2056.8	2182.9	2219.0	2125.6	1952.6	1747.7	1528.1	1424.5
12.5°	1894.0	2017.6	2045.1	2012.9	1868.3	1662.6	1439.8	1338.3
15°	1760.9	1816.3	1849.0	1877.1	1796.0	1628.5	1434.9	1323.4
17.5°	1679.8	1673.6	1683.1	1731.9	1745.6	1667.6	1510.9	1388.1
20°	1650.5	1556.6	1554.2	1621.5	1722.0	1760.3	1659.6	1512.0
22.5°	1666.6	1514.5	1495.0	1575.0	1734.4	1894.0	1854.6	1686.2
25°	1722.2	1518.0	1502.4	1579.7	1780.3	2036.5	2064.9	1911.7
27.5°	1809.7	1540.1	1519.8	1599.1	1840.7	2156.3	2272.3	2129.9
30°	1892.9	1578.9	1553.3	1637.0	1896.1	2203.7	2399.3	2300.3
32.5°	1993.9	1651.2	1606.3	1707.0	1964.6	2279.2	2512.5	2441.4
35°	2092.8	1754.1	1698.5	1815.0	2040.9	2373.2	2641.8	2621.8
37.5°	2201.3	1888.7	1842.9	1954.6	2145.4	2461.8	2806.9	2833.1
40°	2317.3	2067.3	2012.9	2158.4	2307.7	2573.0	2979.4	3042.0
42.5°	2434.0	2265.4	2200.5	2348.0	2485.9	2682.9	3126.9	3219.6
45°	2567.8	2480.6	2449.9	2609.3	2657.0	2787.4	3235.8	3351.0
47.5°	2723.5	2724.6	2774.1	2837.9	2829.8	2905.6	3345.3	3468.4
50°	2905.3	3029.4	3138.6	3181.0	3007.7	3032.7	3497.1	3625.6
52.5°	3123.6	3393.8	3529.0	3501.2	3199.5	3187.7	3737.8	3842.2
55°	3396.8	3779.6	3913.9	3894.1	3419.8	3399.0	4037.4	4098.3
57.5°	3712.9	4153.4	4276.9	4187.3	3684.5	3630.9	4285.4	4298.3
60°	3990.6	4449.6	4557.9	4458.6	3951.5	3877.7	4440.2	4377.9
62.5°	4145.1	4549.9	4626.1	4519.3	4134.4	4140.5	4474.2	4334.9
65°	4076.1	4296.2	4320.8	4312.0	4087.2	4293.0	4352.1	4136.1
67.5°	3698.0	3654.7	3695.8	3752.9	3683.3	4092.1	4014.0	3703.3
70°	3031.8	2793.8	2876.1	2914.5	2946.0	3521.4	3483.9	3016.2
72.5°	2284.7	1957.2	2022.3	2014.3	2160.8	2824.5	2709.5	2217.7
75°	1618.9	1327.1	1335.3	1332.0	1507.6	2209.9	1962.0	1517.3
77.5°	1132.8	961.5	965.9	984.1	1013.6	1666.6	1401.7	1108.5
80°	778.9	729.8	753.9	755.5	702.5	1119.6	1035.6	889.5
82.5°	580.1	507.3	501.4	509.9	550.7	907.1	795.9	617.0
85°	475.1	300.4	241.5	302.6	487.9	898.2	528.7	325.5
87.5°	267.5	142.6	64.4	119.5	194.7	594.8	152.8	41.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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