

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: P526651

Luminaire Tested: **GALN-SA1C-760-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-760-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3933 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

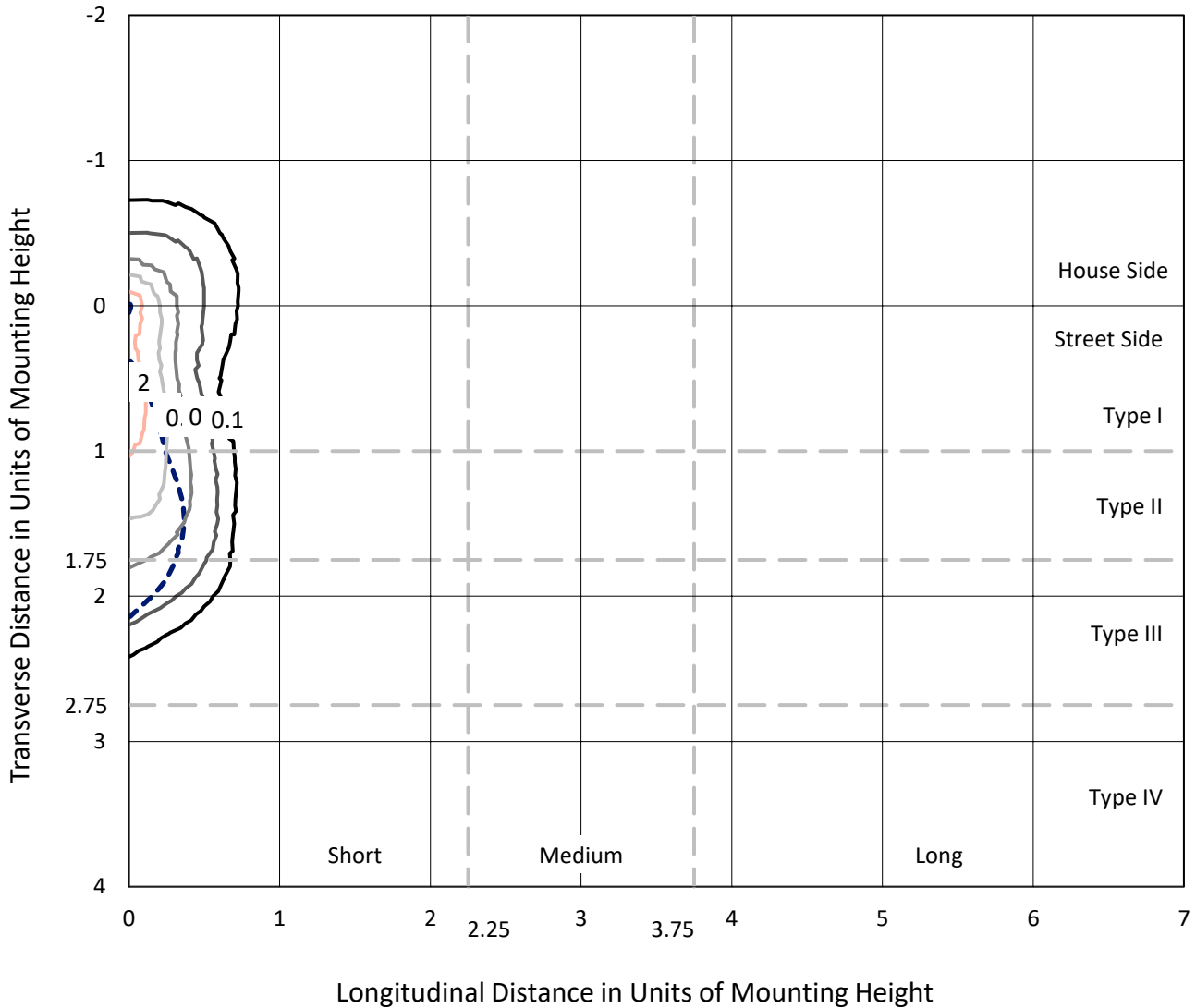
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

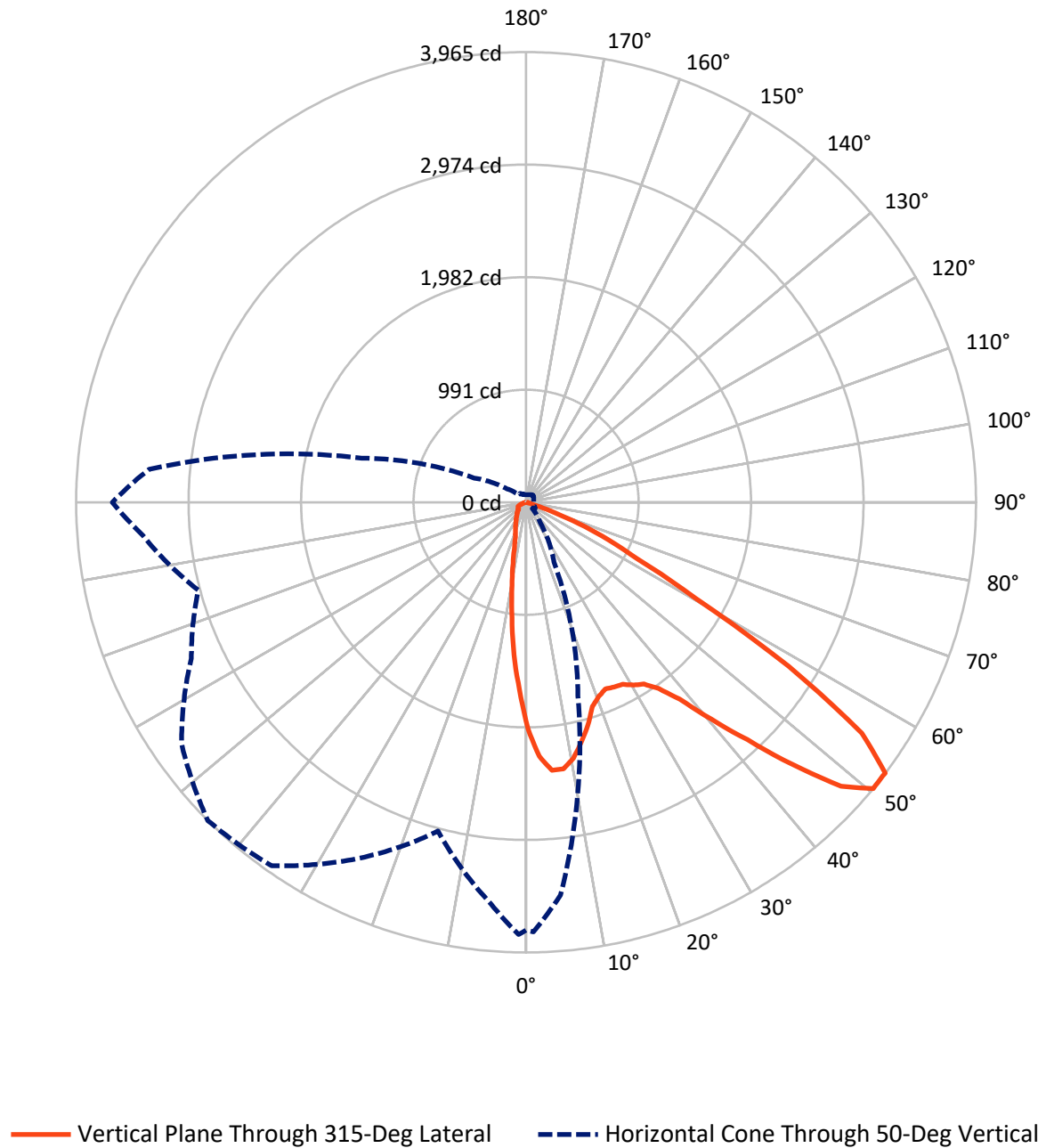
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	787.8	0.0	787.8
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	3145.2	0.0	3145.2
	% Fixture	80.0	0.0	80.0
Total	Lumens	3933.0	0.0	3933.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	3.7
10°-20°	288.9	7.3
20°-30°	434.1	11.0
30°-40°	651.5	16.6
40°-50°	915.7	23.3
50°-60°	987.7	25.1
60°-70°	458.6	11.7
70°-80°	43.1	1.1
80°-90°	8.0	0.2
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°	3933.0	100.0
0°-180°	3933.0	100.0

Coefficient of Utilization



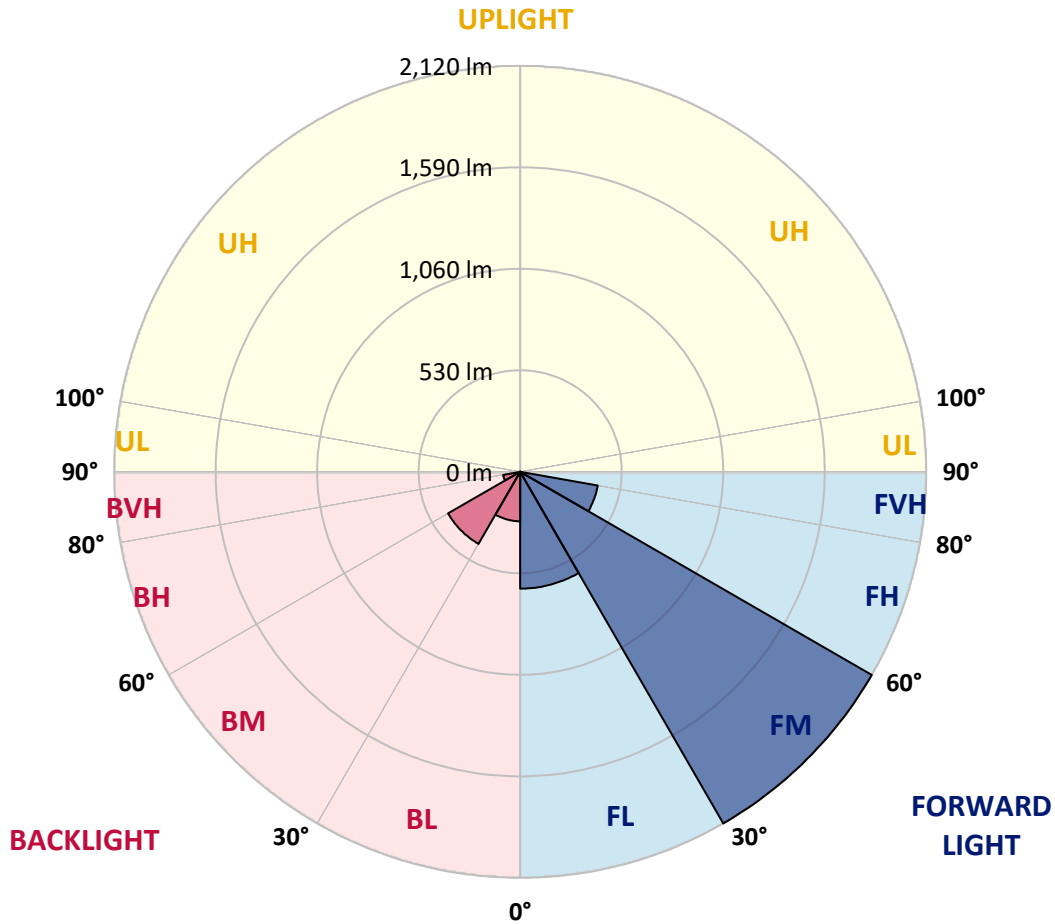
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	610.2	15.5			
FM (30°-60°)	2120.2	53.9			
FH (60°-80°)	411.3	10.5			G0/660
FVH (80°-90°)	3.6	0.1			G0/10
BL (0°-30°)	258.2	6.6	B1/500		
BM (30°-60°)	434.7	11.1	B1/1000		
BH (60°-80°)	90.5	2.3	B0/110		G0/110
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-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5
2.5°	2073.3	2041.3	2000.8	1967.2	1917.3	1816.6	1789.3	1756.5	1729.2	1692.5	1641.0
5°	1885.3	1875.1	1856.4	1730.0	1638.7	1517.0	1417.1	1374.9	1319.5	1274.3	1241.5
7.5°	1741.7	1701.1	1641.8	1514.6	1368.7	1238.4	1127.6	1062.8	989.5	964.5	920.0
10°	1588.0	1597.3	1509.9	1331.2	1154.9	1049.5	980.9	918.4	852.1	808.4	745.2
12.5°	1538.8	1508.4	1441.3	1220.4	1069.8	971.5	888.0	810.8	740.5	670.3	609.4
15°	1570.8	1524.0	1430.3	1197.0	1004.3	881.8	777.2	672.6	607.9	518.1	454.9
17.5°	1685.5	1648.1	1522.4	1222.0	970.7	795.9	640.7	533.0	433.9	352.7	320.7
20°	1876.7	1823.6	1666.0	1254.0	920.8	692.2	519.7	387.0	293.4	259.1	241.1
22.5°	2064.0	2035.1	1836.1	1315.6	876.3	600.1	390.2	260.6	219.3	213.0	201.3
25°	2420.6	2334.0	2096.0	1427.2	842.0	513.5	294.2	209.9	185.7	181.0	182.6
27.5°	2632.8	2560.3	2336.3	1501.4	803.7	447.1	248.9	192.7	176.4	166.2	162.3
30°	2836.5	2752.2	2455.7	1545.1	721.8	376.9	220.8	184.9	181.0	166.2	161.5
32.5°	2993.4	2910.6	2628.2	1610.6	688.3	331.6	181.8	144.4	134.2	132.7	146.7
35°	3233.7	3145.5	2775.6	1646.5	662.5	308.2	157.6	128.8	117.0	112.4	113.1
37.5°	3457.6	3397.6	2912.2	1660.5	635.2	301.2	141.2	115.5	105.3	102.2	101.4
40°	3644.9	3510.7	3041.7	1675.4	623.5	287.9	131.1	105.3	98.3	93.6	93.6
42.5°	3730.8	3594.2	3186.9	1666.8	620.4	266.9	131.1	96.8	91.3	86.6	85.8
45°	3712.0	3656.6	3251.6	1662.9	620.4	245.8	119.4	94.4	86.6	80.4	78.8
47.5°	3760.4	3687.8	3332.8	1679.3	607.9	231.0	100.7	99.1	81.9	74.1	72.6
50°	3769.0	3783.0	3474.0	1764.3	580.6	212.3	78.8	97.5	78.8	67.1	65.5
52°	3825.2	3737.8	3517.0	1809.6	551.7	198.2	66.3	83.5	75.7	62.4	60.9
52.5°	3747.9	3804.9	3527.1	1826.0	554.8	188.8	64.0	81.9	74.1	62.4	58.5
55°	3661.3	3715.9	3485.7	1861.1	508.8	148.3	49.9	59.3	67.1	54.6	52.3
57.5°	3182.2	3237.6	3029.2	1704.2	414.4	104.6	41.4	44.5	59.3	50.7	48.4
60°	2828.7	2788.9	2542.3	1421.8	294.2	58.5	32.8	34.3	64.8	46.8	46.0
62.5°	2585.2	2500.2	2124.8	1097.9	179.5	39.0	25.8	26.5	49.9	43.7	43.7
65°	1912.6	1817.4	1411.6	664.1	88.2	27.3	19.5	21.1	31.2	37.5	37.5
67.5°	1091.7	1055.0	682.0	299.6	36.7	17.2	14.8	16.4	24.2	30.4	28.9
70°	501.8	450.3	262.2	63.2	17.2	11.7	11.7	13.3	19.5	22.6	21.1
72.5°	146.7	138.9	64.0	10.1	7.0	7.0	7.8	10.1	14.8	17.2	15.6
75°	10.9	7.0	4.7	3.1	3.1	4.7	6.2	10.1	14.8	16.4	13.3
77.5°	0.8	1.6	0.8	0.8	2.3	4.7	7.0	12.5	19.5	20.3	14.8
80°	0.8	0.8	0.0	0.8	2.3	4.7	7.8	14.0	21.8	23.4	12.5
82.5°	0.0	0.0	0.0	0.8	3.1	6.2	9.4	14.8	20.3	25.0	13.3
85°	0.0	0.0	0.0	0.8	4.7	8.6	10.9	3.9	2.3	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°	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5
2.5°	1677.7	1657.4	1649.6	1656.6	1654.3	1652.0	1694.9	1685.5	1684.0	1698.0	1694.9
5°	1259.5	1223.6	1321.9	1282.1	1323.4	1348.4	1353.1	1355.4	1384.3	1353.9	1393.7
7.5°	897.4	906.7	906.0	932.5	980.1	1022.2	1047.2	1027.7	1026.1	1022.2	1005.1
10°	717.1	700.7	697.6	691.4	706.2	742.1	772.5	748.3	731.2	754.6	747.6
12.5°	586.0	563.4	550.9	525.9	526.7	550.9	550.9	550.9	568.1	581.3	591.5
15°	449.5	430.7	430.7	405.8	400.3	401.1	413.6	415.1	442.4	450.3	454.2
17.5°	314.5	304.3	316.0	326.2	319.9	321.5	326.2	327.7	331.6	328.5	336.3
20°	241.9	240.3	243.5	261.4	274.7	282.5	277.0	269.2	264.5	253.6	253.6
22.5°	205.2	208.3	213.8	228.6	245.8	250.5	244.2	226.3	212.3	210.7	211.5
25°	182.6	185.7	194.3	203.7	213.0	220.8	214.6	201.3	193.5	186.5	186.5
27.5°	168.6	170.1	174.8	181.8	189.6	195.9	193.5	186.5	177.9	174.8	167.8
30°	157.6	160.0	165.4	167.0	174.0	177.1	173.2	171.7	166.2	162.3	160.0
32.5°	152.2	151.4	155.3	156.8	157.6	160.0	155.3	157.6	156.8	150.6	148.3
35°	114.7	121.0	131.1	139.7	142.0	145.1	144.4	141.2	132.7	125.6	117.0
37.5°	103.0	106.9	112.4	119.4	128.8	132.7	131.1	123.3	113.1	108.5	106.9
40°	95.2	97.5	102.2	106.9	116.3	123.3	117.8	110.8	103.0	99.1	96.8
42.5°	88.2	89.0	91.3	96.0	103.0	113.9	104.6	95.2	92.1	89.7	88.2
45°	80.4	80.4	83.5	85.8	93.6	103.8	94.4	85.8	84.3	82.7	81.9
47.5°	74.1	74.9	76.5	79.6	85.8	92.9	86.6	79.6	75.7	74.9	73.4
50°	66.3	67.1	70.2	73.4	81.2	85.1	81.2	73.4	69.4	67.1	67.1
52°	60.1	62.4	65.5	71.8	77.3	83.5	78.8	70.2	65.5	63.2	61.6
52.5°	59.3	60.9	64.0	71.0	77.3	82.7	78.0	69.4	64.0	62.4	60.9
55°	53.1	55.4	60.9	69.4	76.5	82.7	76.5	68.7	60.9	57.0	55.4
57.5°	50.7	52.3	59.3	70.2	75.7	82.7	76.5	68.7	60.9	53.8	52.3
60°	48.4	51.5	59.3	67.9	74.9	83.5	77.3	67.9	59.3	50.7	50.7
62.5°	46.0	48.4	58.5	66.3	71.8	80.4	74.1	66.3	57.0	48.4	47.6
65°	39.8	43.7	51.5	55.4	61.6	69.4	63.2	57.7	49.9	42.9	42.1
67.5°	30.4	32.0	38.2	42.9	46.8	53.8	50.7	43.7	38.2	32.8	32.8
70°	21.1	22.6	27.3	29.7	33.6	37.5	35.1	29.7	25.8	22.6	21.8
72.5°	14.8	15.6	17.2	18.7	20.3	21.8	21.1	17.2	14.8	14.0	13.3
75°	11.7	13.3	14.0	13.3	12.5	11.7	11.7	10.1	8.6	7.8	7.8
77.5°	11.7	12.5	11.7	10.1	8.6	7.8	7.0	6.2	4.7	3.9	4.7
80°	10.1	10.1	10.1	8.6	7.8	7.0	6.2	5.5	4.7	3.9	3.9
82.5°	10.9	10.9	10.1	8.6	8.6	7.0	7.0	6.2	5.5	3.9	3.9
85°	0.0	0.0	0.0	1.6	3.9	7.0	7.0	6.2	5.5	4.7	4.7
87.5°	0.0	0.0	0.0	0.0	0.8	1.6	3.1	3.9	4.7	4.7	4.7
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5
2.5°	1723.0	1752.6	1808.8	1865.0	1899.3	1939.9	2013.3	2052.3	2103.0	2128.0	2177.1
5°	1388.2	1458.4	1483.4	1547.4	1616.1	1684.7	1794.0	1914.2	2014.0	2082.7	2171.7
7.5°	1012.9	1029.3	1126.0	1168.9	1281.3	1406.2	1555.2	1706.6	1833.0	1945.4	2013.3
10°	759.3	819.3	880.2	962.1	1052.7	1181.4	1324.2	1491.2	1655.1	1767.5	1853.3
12.5°	610.2	657.8	739.0	827.2	938.7	1023.8	1167.4	1332.8	1545.1	1655.1	1768.2
15°	462.0	522.8	614.9	706.2	824.0	913.8	1058.9	1267.3	1540.4	1691.8	1789.3
17.5°	342.6	383.9	466.6	568.9	689.0	815.4	1011.3	1260.2	1592.7	1772.9	1873.6
20°	262.2	276.2	328.5	419.8	550.1	715.6	934.1	1290.7	1747.2	1970.3	2072.6
22.5°	212.3	218.5	238.8	302.0	428.4	628.2	897.4	1311.7	1921.2	2206.8	2343.3
25°	184.9	183.4	196.6	224.0	334.8	546.2	850.6	1391.3	2134.2	2484.6	2607.1
27.5°	168.6	168.6	174.8	194.3	277.8	493.2	820.9	1448.3	2348.8	2728.8	2795.1
30°	160.0	161.5	179.5	185.7	231.0	430.0	771.7	1506.0	2554.0	2884.9	2976.2
32.5°	148.3	142.0	138.1	153.7	194.3	373.0	722.6	1530.2	2720.2	3076.1	3154.1
35°	113.9	110.8	115.5	127.2	167.0	324.6	668.0	1557.5	2911.4	3297.7	3313.3
37.5°	103.0	102.2	105.3	115.5	140.5	282.5	628.9	1550.5	3057.3	3481.1	3438.9
40°	95.2	95.2	97.5	106.1	125.6	252.8	588.4	1544.3	3198.6	3687.1	3563.8
42.5°	89.0	89.0	92.9	98.3	119.4	233.3	557.9	1535.7	3317.2	3813.5	3637.1
45°	80.4	82.7	89.0	94.4	121.0	220.1	535.3	1502.9	3357.8	3811.9	3602.0
47.5°	74.1	77.3	83.5	91.3	109.2	216.2	519.7	1474.0	3343.7	3718.3	3492.0
50°	67.1	71.0	79.6	92.9	92.9	208.3	503.3	1499.8	3333.6	3645.7	3386.6
52°	62.4	65.5	76.5	90.5	81.2	192.0	493.2	1549.7	3374.9	3636.3	3339.8
52.5°	61.6	64.0	74.1	89.0	77.3	188.8	486.1	1561.4	3388.2	3612.9	3371.8
55°	54.6	57.7	67.9	69.4	63.2	155.3	463.5	1588.0	3322.7	3566.9	3341.4
57.5°	51.5	53.1	60.1	57.0	54.6	117.0	398.7	1546.6	2951.2	3168.1	3108.8
60°	47.6	49.2	56.2	44.5	46.0	81.9	299.6	1343.0	2369.9	2639.9	2746.8
62.5°	46.0	45.3	53.1	35.9	39.0	59.3	211.5	1091.7	1826.0	2173.2	2358.2
65°	40.6	39.8	38.2	30.4	33.6	46.0	126.4	712.4	1286.8	1644.2	1745.6
67.5°	31.2	32.8	28.1	24.2	28.1	35.9	70.2	319.2	675.0	986.3	1068.3
70°	21.8	23.4	22.6	21.1	25.0	29.7	40.6	109.2	279.4	518.1	571.2
72.5°	13.3	16.4	17.2	17.9	21.8	25.8	28.9	35.1	74.1	183.4	227.9
75°	7.8	10.9	13.3	15.6	17.9	21.8	24.2	25.0	25.8	34.3	55.4
77.5°	5.5	7.8	11.7	14.8	17.9	21.8	25.8	27.3	25.8	24.2	25.8
80°	4.7	7.8	10.9	14.0	18.7	22.6	25.8	25.8	25.0	21.8	23.4
82.5°	4.7	7.8	11.7	14.8	17.9	21.8	25.0	25.8	23.4	21.8	22.6
85°	5.5	8.6	12.5	15.6	19.5	17.9	16.4	13.3	12.5	10.1	10.9
87.5°	5.5	7.8	7.8	8.6	9.4	9.4	9.4	8.6	7.0	6.2	6.2
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°	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5
2.5°	2179.5	2241.9	2239.6	2241.1	2231.7	2168.5	2138.1	2060.9	2082.7	2073.3
5°	2263.0	2324.6	2377.7	2371.4	2299.6	2213.8	2086.6	1966.4	1933.7	1885.3
7.5°	2179.5	2327.7	2376.9	2369.9	2263.7	2153.7	1950.8	1830.7	1773.7	1741.7
10°	2046.8	2218.5	2279.3	2291.8	2220.0	2053.1	1866.6	1673.8	1643.4	1588.0
12.5°	1971.1	2096.0	2133.4	2167.0	2142.0	2017.2	1802.6	1617.6	1575.5	1538.8
15°	1909.5	1983.6	1999.2	2037.4	2052.3	1985.2	1836.1	1678.5	1574.7	1570.8
17.5°	1966.4	1936.0	1879.0	1890.7	1937.6	1985.9	1922.7	1798.7	1698.0	1685.5
20°	2060.9	1926.6	1797.9	1826.8	1865.8	2014.0	2053.8	1966.4	1908.7	1876.7
22.5°	2169.3	1943.0	1772.1	1786.2	1860.3	2077.2	2266.1	2217.7	2110.0	2064.0
25°	2369.9	1988.3	1792.4	1801.8	1903.2	2165.4	2458.0	2493.9	2430.0	2420.6
27.5°	2565.7	2105.3	1836.9	1815.8	1925.1	2251.3	2574.3	2767.1	2654.7	2632.8
30°	2665.6	2200.5	1903.2	1867.3	2015.6	2303.5	2644.5	2945.0	2846.6	2836.5
32.5°	2818.6	2287.2	1954.7	1908.7	2066.3	2368.3	2775.6	3139.3	3044.1	2993.4
35°	2882.5	2381.6	2067.9	2014.0	2211.5	2458.8	2842.7	3312.5	3282.9	3233.7
37.5°	3005.8	2483.0	2201.3	2198.2	2387.0	2576.7	2963.7	3548.2	3542.7	3457.6
40°	3016.0	2593.8	2412.0	2510.3	2658.6	2781.9	3069.8	3613.7	3702.7	3644.9
42.5°	3031.6	2788.1	2776.4	2857.6	2984.8	2958.2	3073.7	3629.3	3765.1	3730.8
45°	3038.6	2982.4	3147.1	3296.9	3350.0	3189.2	3037.0	3599.7	3797.9	3712.0
47.5°	2982.4	3149.4	3446.7	3736.2	3751.8	3331.2	3021.4	3569.2	3817.4	3760.4
50°	2990.2	3254.0	3705.8	3964.9	3907.9	3456.9	2997.3	3550.5	3807.2	3769.0
52°	2971.5	3256.3	3742.5	3960.2	3920.4	3387.4	2955.9	3478.7	3797.9	3825.2
52.5°	2992.6	3242.3	3704.2	3963.3	3911.8	3421.8	2950.4	3518.5	3803.3	3747.9
55°	2920.0	3075.3	3480.3	3590.3	3582.5	3105.7	2782.7	3386.6	3660.5	3661.3
57.5°	2639.1	2665.6	2729.6	2727.3	2691.4	2441.7	2380.0	3114.3	3263.3	3182.2
60°	2325.4	1951.6	1779.2	1708.9	1669.1	1628.6	2105.3	2849.0	2863.0	2828.7
62.5°	2009.4	1353.1	1123.7	1104.2	1113.5	1261.8	2035.1	2743.6	2659.4	2585.2
65°	1621.5	986.3	816.2	790.5	881.8	1041.7	1647.3	2103.8	1974.2	1912.6
67.5°	1018.3	719.5	551.7	503.3	613.3	717.1	1082.3	1321.9	1176.7	1091.7
70°	604.0	401.9	249.7	224.0	252.0	382.4	606.3	659.4	545.5	501.8
72.5°	238.0	147.5	69.4	59.3	61.6	134.2	223.2	217.7	164.6	146.7
75°	64.0	44.5	24.2	19.5	16.4	25.0	35.9	23.4	8.6	10.9
77.5°	29.7	26.5	21.1	16.4	12.5	9.4	4.7	1.6	1.6	0.8
80°	25.8	22.6	19.5	16.4	12.5	7.8	3.9	0.8	0.8	0.8
82.5°	24.2	21.1	17.9	14.8	11.7	7.8	3.9	0.8	0.0	0.0
85°	10.1	13.3	14.8	14.0	12.5	7.8	3.9	0.8	0.0	0.0
87.5°	5.5	4.7	3.9	3.1	2.3	1.6	1.6	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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