

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: P526548

Luminaire Tested: **GALN-SA1C-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526548
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-SA1C-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 4825 lumens
Efficiency: N/A
Efficacy: 84.6 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

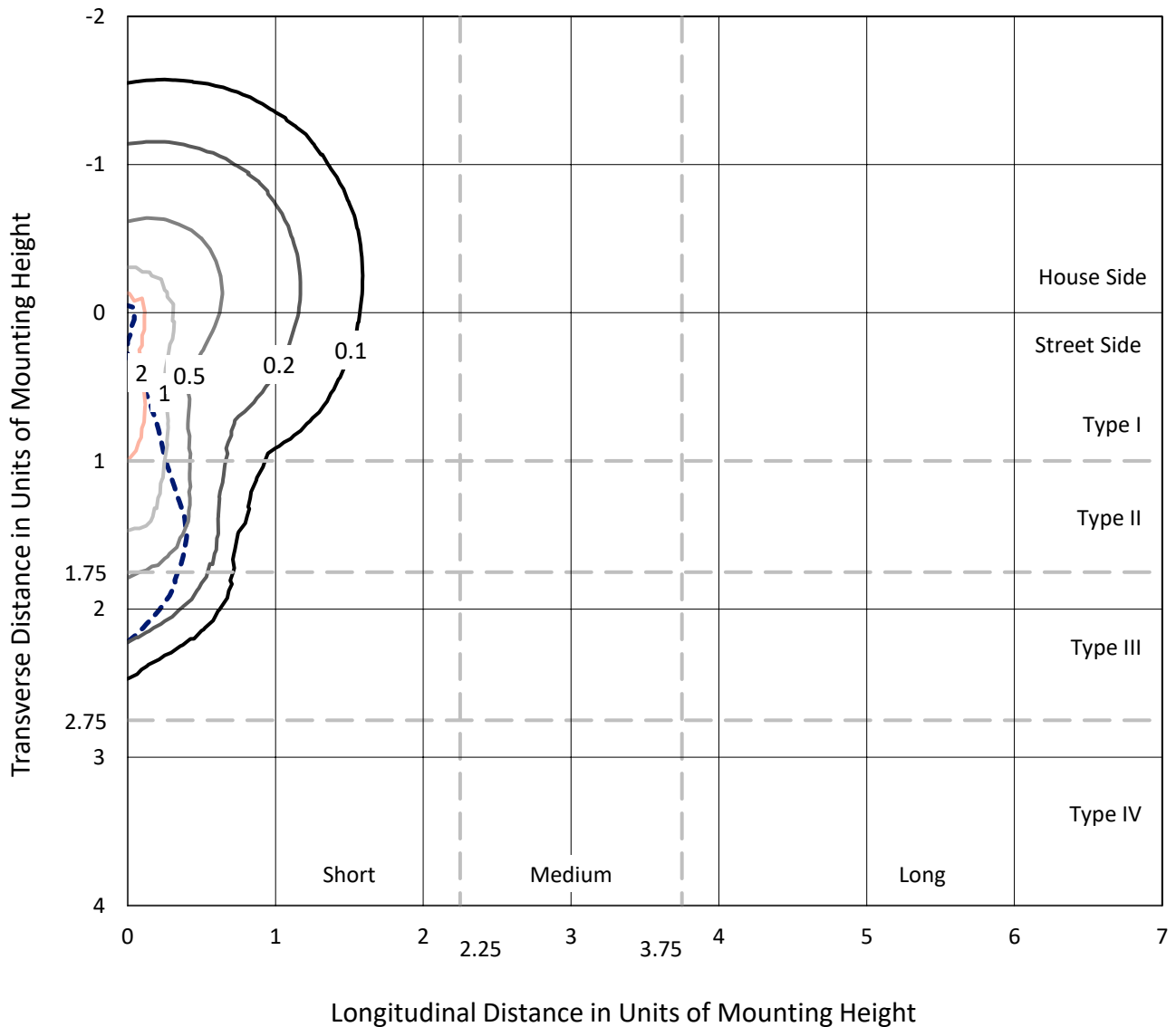
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

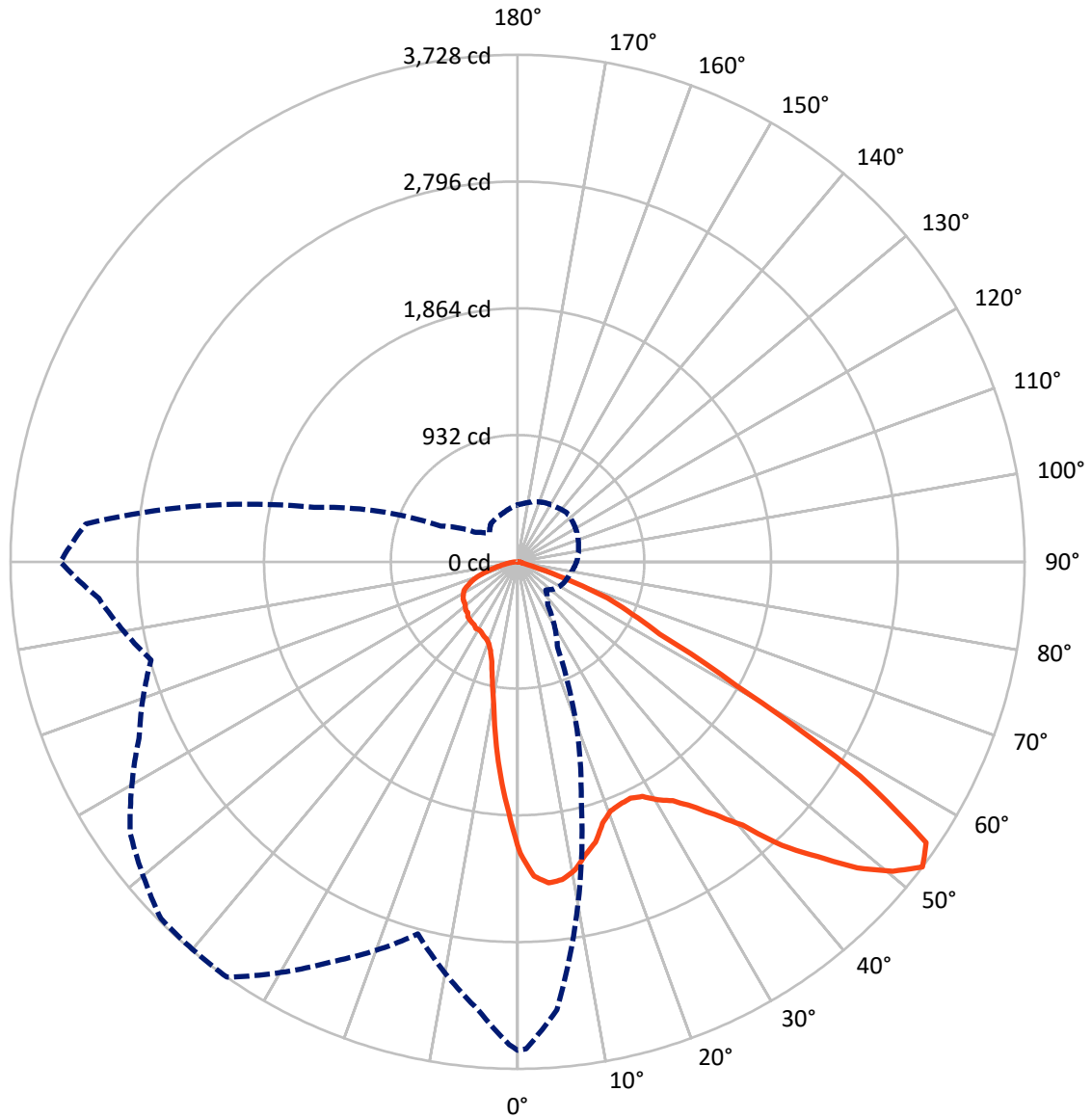
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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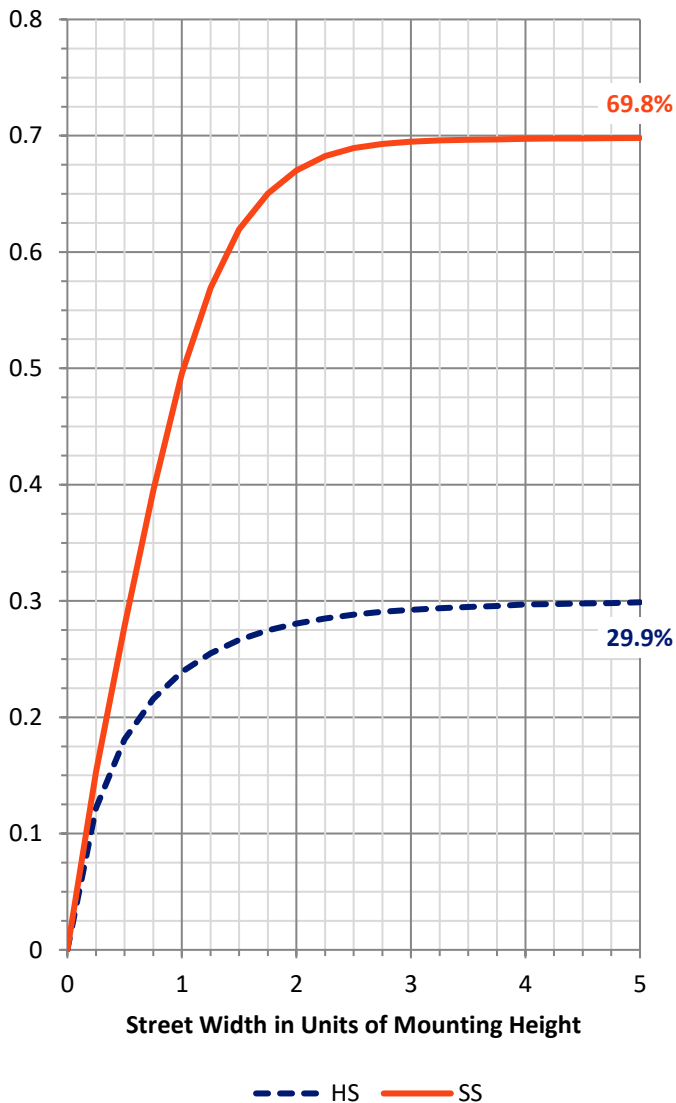
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1454.5	0.0	1454.5
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	3370.5	0.0	3370.5
	% Fixture	69.9	0.0	69.9
Total	Lumens	4825.0	0.0	4825.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.4	3.4
10°-20°	354.2	7.3
20°-30°	535.1	11.1
30°-40°	773.2	16.0
40°-50°	1029.0	21.3
50°-60°	1151.0	23.9
60°-70°	648.7	13.4
70°-80°	144.6	3.0
80°-90°	25.8	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°	4825.0	100.0
0°-180°	4825.0	100.0

Coefficient of Utilization



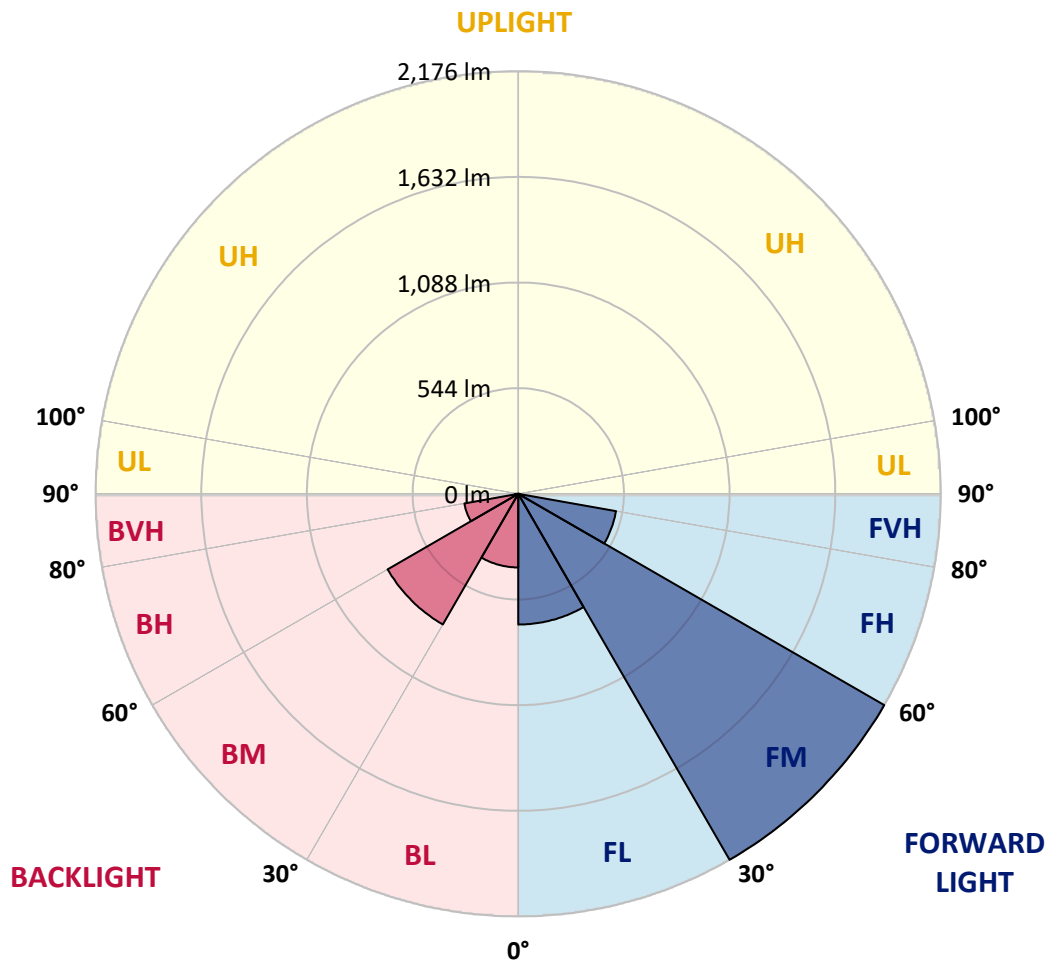
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	673.3	14.0			
FM (30°-60°)	2176.4	45.1			
FH (60°-80°)	511.4	10.6			G0/660
FVH (80°-90°)	9.3	0.2			G0/10
BL (0°-30°)	379.3	7.9	B1/500		
BM (30°-60°)	776.9	16.1	B1/1000		
BH (60°-80°)	281.9	5.8	B1/500		G1/500
BVH (80°-90°)	16.4	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°	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4
2.5°	2177.0	2212.0	2174.2	2107.1	2059.5	2016.2	1970.7	1961.6	1902.2	1891.7	1848.3
5°	2053.2	2045.6	1999.4	1911.3	1814.1	1726.0	1660.9	1598.0	1555.3	1505.7	1502.2
7.5°	1902.9	1858.1	1831.6	1698.0	1577.7	1439.2	1379.8	1284.0	1253.9	1209.2	1186.1
10°	1768.6	1735.8	1673.5	1539.9	1372.1	1280.5	1216.8	1165.1	1130.1	1084.0	1025.9
12.5°	1702.2	1688.9	1619.0	1412.0	1287.5	1189.6	1144.8	1094.5	1035.0	960.9	932.2
15°	1714.1	1669.3	1616.2	1387.5	1215.4	1121.0	1049.7	986.8	910.5	839.9	798.6
17.5°	1802.9	1768.6	1662.3	1402.9	1188.2	1051.8	922.4	829.4	760.9	697.2	668.6
20°	1977.7	1928.1	1808.5	1422.4	1129.4	955.3	807.0	692.3	618.9	585.3	575.6
22.5°	2171.4	2142.1	1951.1	1466.5	1082.6	865.8	684.6	570.0	542.7	533.6	551.8
25°	2407.1	2330.9	2172.8	1538.5	1046.2	789.5	581.1	517.5	503.5	512.6	533.6
27.5°	2586.1	2565.9	2328.1	1606.4	996.6	697.9	523.1	481.1	485.3	494.4	514.0
30°	2798.7	2695.9	2478.4	1653.2	951.8	635.0	482.5	471.4	475.5	490.9	500.7
32.5°	2926.7	2888.3	2572.9	1723.9	900.0	580.4	451.1	440.6	446.9	470.0	493.0
35°	3089.7	3013.4	2689.6	1742.0	863.7	558.8	428.7	421.0	435.7	451.8	477.6
37.5°	3279.9	3227.4	2851.2	1729.5	844.1	536.4	409.8	406.3	416.8	439.2	469.3
40°	3392.5	3376.4	2935.8	1737.1	813.3	516.8	388.1	392.3	414.0	431.5	460.9
42.5°	3500.9	3396.0	3061.0	1734.4	793.7	490.2	390.2	385.3	402.1	422.4	450.4
45°	3524.6	3420.4	3090.4	1714.8	770.0	464.4	374.1	376.2	396.5	421.7	439.9
47.5°	3509.3	3432.3	3144.9	1709.2	747.6	446.2	350.4	375.5	387.4	407.7	433.6
50°	3498.8	3494.6	3191.1	1735.8	717.5	417.5	321.7	366.5	378.3	398.6	426.6
52.5°	3591.1	3582.0	3306.5	1805.7	693.7	386.7	292.3	343.4	372.0	391.6	418.9
55°	3647.0	3607.2	3504.4	1891.7	653.9	346.2	272.0	314.7	356.7	374.1	402.1
57.5°	3280.6	3253.3	3170.1	1765.8	586.7	293.0	246.9	285.3	335.7	363.0	391.6
60°	2729.5	2686.8	2473.5	1500.8	432.9	228.0	231.5	262.3	330.1	340.6	374.1
62.5°	2573.6	2468.0	2177.7	1207.8	332.2	195.8	207.7	241.3	300.7	318.2	351.8
65°	2042.1	1963.7	1558.1	872.1	222.4	169.9	189.5	217.5	259.5	293.7	324.5
67.5°	1278.4	1203.6	831.5	412.6	155.3	145.5	169.2	198.6	232.9	263.6	297.9
70°	667.9	586.0	383.9	149.0	107.0	118.9	141.3	169.2	202.8	228.0	254.6
72.5°	249.0	202.1	125.2	64.3	74.1	90.9	114.7	135.0	158.7	189.5	204.2
75°	38.5	32.9	32.2	39.2	50.4	65.7	81.8	102.1	123.1	142.7	152.5
77.5°	18.2	17.5	19.6	25.9	33.6	46.9	59.4	79.0	95.8	108.4	114.0
80°	11.9	11.2	12.6	17.5	25.2	35.0	47.6	60.8	76.2	86.7	85.3
82.5°	7.0	7.7	7.7	11.9	17.5	25.2	34.3	46.2	56.6	65.7	60.1
85°	4.2	3.5	3.5	7.0	11.9	20.3	28.7	19.6	20.3	20.3	23.1
87.5°	1.4	1.4	1.4	0.7	1.4	1.4	2.1	3.5	4.2	4.9	6.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4
2.5°	1846.9	1868.6	1860.9	1833.7	1854.6	1858.1	1844.1	1892.4	1901.5	1886.8	1891.0
5°	1497.3	1502.9	1515.5	1542.0	1560.9	1583.3	1583.3	1584.7	1565.8	1613.4	1599.4
7.5°	1166.5	1170.0	1184.7	1241.3	1257.4	1300.1	1318.2	1305.7	1267.9	1251.8	1265.1
10°	1007.0	986.8	981.9	988.9	1025.2	1043.4	1058.8	1054.6	1048.3	1035.7	1021.7
12.5°	900.7	886.1	874.2	857.4	859.5	877.0	888.9	879.1	881.9	884.7	888.9
15°	785.4	774.9	768.6	743.4	740.6	752.5	756.7	762.3	772.8	773.5	768.6
17.5°	663.0	653.9	667.9	681.9	672.1	672.8	680.5	685.3	682.6	670.0	663.7
20°	579.0	588.8	602.8	616.1	626.6	632.9	635.7	628.0	618.9	593.0	592.3
22.5°	554.6	567.2	579.0	599.3	609.1	625.2	610.5	593.0	580.4	567.9	553.2
25°	536.4	546.9	570.7	578.4	597.2	610.5	600.0	582.5	560.9	542.7	531.5
27.5°	523.1	535.0	550.4	571.4	586.0	593.7	583.2	576.3	553.9	532.2	516.1
30°	514.7	527.3	555.3	572.8	585.3	591.6	573.5	565.1	549.0	530.8	516.8
32.5°	509.1	520.3	544.1	566.5	574.9	574.9	577.7	567.9	545.5	514.7	502.8
35°	490.9	506.3	525.9	551.8	567.2	576.3	562.3	551.1	536.4	504.9	483.2
37.5°	480.4	490.9	516.1	540.6	553.9	563.7	558.1	538.5	518.9	493.0	475.5
40°	469.3	486.0	508.4	531.5	546.2	556.0	551.8	528.7	504.9	480.4	468.6
42.5°	461.6	472.8	495.8	521.7	539.2	558.1	545.5	516.8	500.0	466.5	453.2
45°	455.3	473.4	497.9	508.4	526.6	546.2	523.8	506.3	486.7	462.3	451.1
47.5°	447.6	464.4	480.4	508.4	516.8	525.9	521.7	493.7	476.9	450.4	442.7
50°	444.8	451.1	480.4	495.8	507.7	516.8	505.6	484.6	468.6	441.3	424.5
52.5°	433.6	445.5	464.4	484.6	499.3	510.5	492.3	479.0	457.4	428.7	418.2
55°	419.6	426.6	460.2	481.1	488.8	496.5	489.5	467.9	445.5	416.1	405.6
57.5°	401.4	417.5	444.8	474.1	483.9	488.1	476.9	459.5	431.5	405.6	388.8
60°	382.5	399.3	429.4	453.2	463.0	478.3	461.6	451.1	418.9	390.2	372.0
62.5°	363.7	382.5	404.9	435.0	443.4	449.7	445.5	430.8	404.9	372.7	350.4
65°	341.3	355.3	383.2	398.6	404.2	418.9	404.2	398.6	375.5	344.8	325.9
67.5°	307.7	319.6	344.1	358.8	363.0	369.2	368.5	362.3	336.4	315.4	298.6
70°	269.2	279.7	295.1	312.6	314.7	322.4	315.4	314.0	297.2	268.5	259.5
72.5°	216.1	225.9	246.2	253.9	254.6	257.4	253.9	249.0	244.8	214.7	205.6
75°	165.7	171.3	181.1	188.1	188.1	191.6	189.5	184.6	173.4	154.6	145.5
77.5°	115.4	121.0	133.6	137.8	137.1	138.5	132.2	127.3	110.5	100.7	93.0
80°	83.9	87.4	93.7	96.5	97.2	99.3	91.6	87.4	77.6	66.4	62.9
82.5°	60.8	62.9	63.6	67.1	67.1	63.6	61.5	57.3	50.4	43.4	40.6
85°	25.2	25.9	26.6	30.8	31.5	37.8	35.0	32.9	28.7	24.5	22.4
87.5°	6.3	7.0	9.1	7.7	9.1	9.1	9.8	11.2	11.2	9.1	9.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4
2.5°	1907.1	1912.7	1984.0	1993.1	2028.1	2063.7	2135.8	2187.5	2229.5	2256.8	2264.4
5°	1614.1	1649.7	1682.6	1735.8	1784.0	1852.5	1931.6	2029.5	2152.6	2215.5	2240.7
7.5°	1263.7	1305.7	1353.2	1405.0	1475.6	1598.7	1704.3	1817.6	1974.9	2040.0	2138.6
10°	1031.5	1078.4	1141.3	1181.2	1266.5	1384.0	1507.1	1637.8	1788.2	1881.9	1995.9
12.5°	911.9	950.4	1008.4	1092.4	1156.0	1232.2	1323.8	1488.9	1704.3	1793.1	1871.4
15°	779.8	822.4	889.6	982.6	1058.8	1149.7	1252.5	1432.2	1661.6	1798.7	1865.1
17.5°	670.7	701.4	772.1	852.5	939.9	1039.2	1186.8	1429.4	1706.4	1881.9	1990.3
20°	595.1	599.3	637.8	706.3	825.2	954.6	1146.2	1415.5	1849.7	2025.3	2162.3
22.5°	547.6	543.4	544.1	602.1	685.3	871.4	1082.6	1463.0	2012.7	2253.3	2345.6
25°	523.8	512.6	505.6	518.2	593.7	772.8	1034.3	1525.9	2188.2	2441.4	2554.7
27.5°	511.2	491.6	477.6	479.7	535.0	723.1	1004.2	1553.2	2362.4	2703.6	2743.5
30°	506.3	481.8	461.6	454.6	490.9	653.9	939.9	1600.1	2518.3	2847.7	2882.0
32.5°	488.8	458.8	439.2	432.9	447.6	593.0	893.8	1633.6	2656.1	3004.3	2992.5
35°	468.6	443.4	418.9	407.0	417.5	553.9	856.7	1617.6	2818.3	3126.0	3119.7
37.5°	466.5	433.6	413.3	393.7	393.0	505.6	806.3	1632.9	2921.8	3344.2	3258.2
40°	448.3	427.3	400.7	384.6	375.5	481.1	757.4	1596.6	3073.6	3432.3	3347.7
42.5°	449.0	417.5	394.4	375.5	366.5	445.5	723.8	1586.8	3126.7	3575.7	3389.7
45°	437.8	407.0	387.4	365.1	360.2	418.2	691.6	1541.3	3220.4	3582.7	3337.2
47.5°	426.6	399.3	378.3	351.8	340.6	408.4	666.5	1503.6	3171.5	3517.0	3264.5
50°	418.9	387.4	367.9	349.0	317.5	391.6	633.6	1494.5	3103.0	3428.1	3129.5
52.5°	405.6	377.6	357.4	342.7	292.3	376.2	621.0	1547.6	3186.9	3361.7	3090.4
55°	393.0	364.4	338.5	309.8	271.3	335.7	586.0	1597.3	3309.3	3514.9	3268.0
57.5°	379.7	352.5	324.5	290.2	251.1	293.7	549.7	1606.4	3079.9	3248.4	3102.3
60°	362.3	327.3	306.3	261.6	229.4	243.4	435.7	1416.2	2388.9	2712.7	2717.6
62.5°	342.7	304.9	286.7	234.3	207.0	209.8	355.3	1190.3	1937.9	2245.6	2379.1
65°	316.8	280.4	258.8	216.8	190.9	181.8	260.2	872.1	1472.1	1821.8	1973.5
67.5°	283.2	249.0	221.7	188.8	170.6	156.0	177.6	490.9	869.3	1223.1	1269.3
70°	247.6	218.2	189.5	162.2	142.0	131.5	130.1	217.5	415.4	658.1	749.0
72.5°	195.1	174.1	151.1	130.8	117.5	102.1	93.0	90.2	140.6	267.8	369.9
75°	139.9	122.4	109.1	95.8	86.0	77.6	70.6	64.3	58.7	67.1	92.3
77.5°	88.1	81.8	71.3	67.8	62.2	60.1	57.3	53.8	49.7	46.9	46.9
80°	59.4	55.2	51.8	51.1	49.0	48.3	49.0	45.5	41.3	37.8	39.2
82.5°	39.9	39.2	38.5	37.8	38.5	39.2	40.6	39.9	36.4	34.3	35.0
85°	23.8	25.2	26.6	28.0	30.8	27.3	22.4	18.9	16.8	15.4	14.7
87.5°	9.1	12.6	11.2	10.5	11.2	10.5	9.8	9.1	7.7	7.0	7.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4	2141.4
2.5°	2315.5	2329.5	2341.4	2338.6	2314.1	2281.2	2267.9	2200.1	2186.1	2177.0
5°	2347.0	2428.1	2445.6	2435.1	2371.4	2291.0	2212.7	2113.4	2055.3	2053.2
7.5°	2288.9	2388.9	2420.4	2444.2	2359.6	2219.7	2085.4	1936.5	1900.1	1902.9
10°	2141.4	2300.8	2378.4	2402.9	2305.7	2184.7	1998.7	1847.6	1770.0	1768.6
12.5°	2059.5	2184.7	2206.4	2240.7	2212.0	2089.6	1948.3	1779.1	1703.6	1702.2
15°	1986.8	2069.3	2075.6	2123.9	2139.3	2056.7	1961.6	1781.2	1720.4	1714.1
17.5°	2050.5	1993.1	1969.3	1975.6	2021.1	2051.2	2038.6	1900.1	1837.9	1802.9
20°	2093.1	1965.1	1893.1	1900.1	1953.9	2063.7	2153.3	2072.1	1973.5	1977.7
22.5°	2207.1	1969.3	1856.7	1849.0	1934.4	2129.5	2282.6	2289.6	2194.5	2171.4
25°	2377.7	2017.6	1845.5	1843.4	1925.3	2200.1	2433.7	2547.0	2449.8	2407.1
27.5°	2514.8	2093.1	1880.5	1887.5	1953.9	2257.5	2562.4	2712.7	2638.6	2586.1
30°	2635.1	2171.4	1929.5	1897.3	2030.9	2287.5	2617.6	2901.5	2842.1	2798.7
32.5°	2684.7	2282.6	2007.1	1953.9	2094.5	2323.9	2732.3	3084.8	3033.7	2926.7
35°	2768.7	2344.9	2049.1	2044.9	2205.7	2411.3	2786.2	3205.8	3184.8	3089.7
37.5°	2835.8	2407.8	2198.0	2151.9	2358.2	2558.2	2872.9	3372.9	3324.6	3279.9
40°	2887.6	2520.4	2337.2	2398.0	2545.6	2691.7	2952.6	3383.4	3522.6	3392.5
42.5°	2840.0	2621.1	2565.9	2711.3	2851.2	2844.2	2961.7	3464.5	3568.7	3500.9
45°	2828.1	2791.7	2927.4	3059.6	3091.8	2970.8	2896.6	3375.0	3554.7	3524.6
47.5°	2799.4	2959.6	3196.0	3411.4	3362.4	3055.4	2819.0	3358.9	3563.1	3509.3
50°	2789.6	2996.0	3394.6	3604.4	3575.0	3128.8	2782.7	3255.4	3503.7	3498.8
52.5°	2788.9	3070.8	3477.1	3709.3	3727.5	3244.9	2832.3	3307.9	3549.8	3591.1
55°	2820.4	3047.0	3466.6	3651.2	3644.2	3193.2	2837.9	3342.8	3606.5	3647.0
57.5°	2660.3	2729.5	2861.0	3007.1	2969.4	2644.9	2534.4	3090.4	3310.0	3280.6
60°	2297.3	2080.5	1932.3	1925.3	1851.8	1750.4	2074.2	2758.2	2758.2	2729.5
62.5°	2012.0	1365.8	1173.5	1118.9	1171.4	1288.2	2000.8	2682.7	2606.4	2573.6
65°	1759.5	1042.7	848.3	832.9	923.8	1100.1	1809.2	2285.4	2151.2	2042.1
67.5°	1132.2	763.7	630.8	603.5	713.3	807.7	1204.3	1405.7	1321.0	1278.4
70°	730.1	497.2	351.1	329.4	372.0	497.9	769.3	819.6	696.5	667.9
72.5°	345.5	214.7	123.1	101.4	114.0	190.2	304.2	327.3	272.0	249.0
75°	109.8	79.0	50.4	43.4	41.3	49.0	69.9	53.8	39.2	38.5
77.5°	49.0	46.9	39.9	33.6	29.4	24.5	20.3	16.8	17.5	18.2
80°	40.6	37.1	32.9	29.4	24.5	18.9	14.7	11.2	11.2	11.9
82.5°	35.7	32.2	28.7	24.5	21.0	15.4	11.2	7.7	7.0	7.0
85°	15.4	18.2	19.6	21.0	16.8	12.6	7.7	4.9	4.2	4.2
87.5°	6.3	5.6	4.9	4.2	3.5	3.5	2.8	2.1	1.4	1.4
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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