

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: P526704

Luminaire Tested: **GALN-SA1C-830-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526704
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-830-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 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: 4210 lumens
Efficiency: N/A
Efficacy: 73.9 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



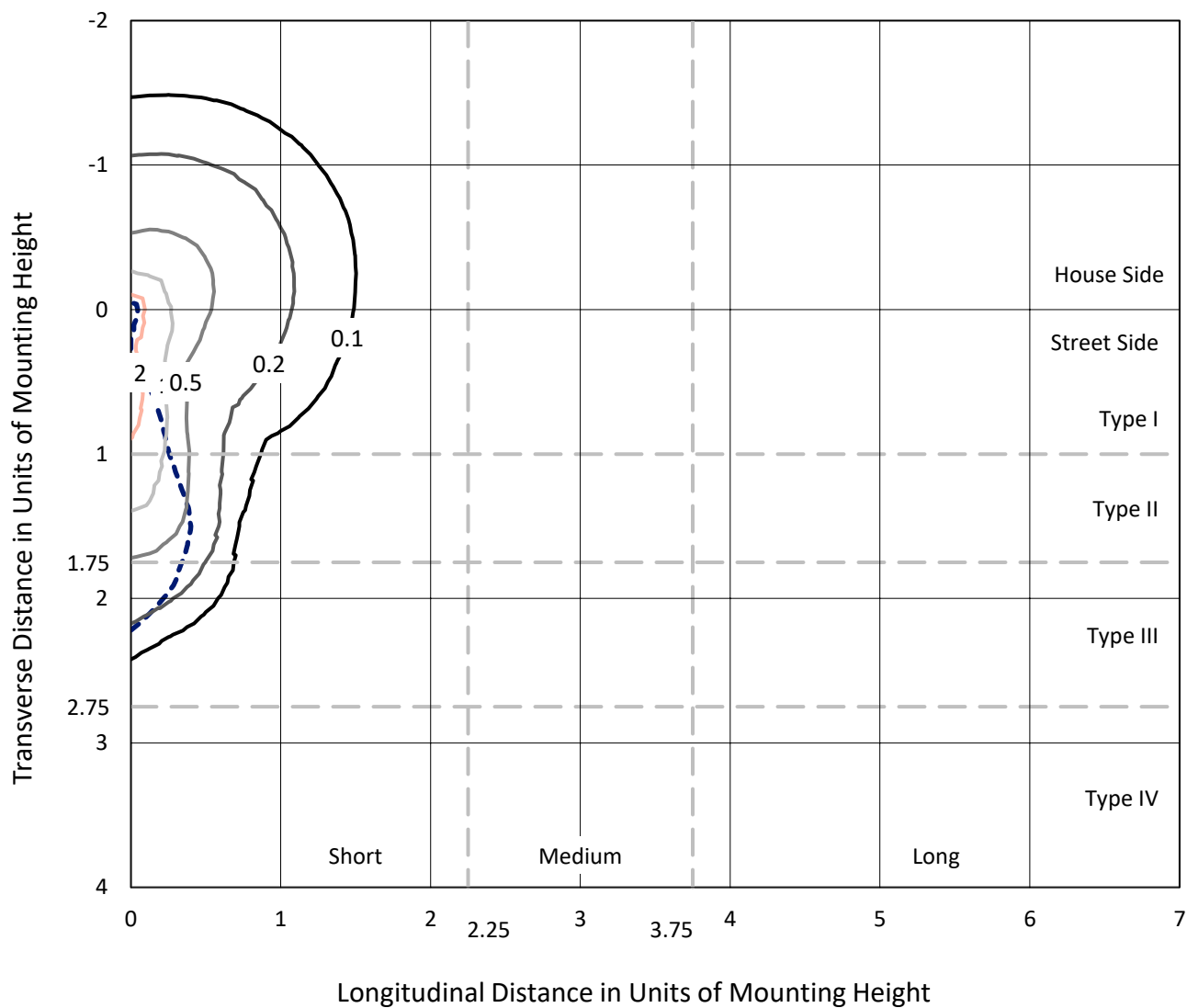
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

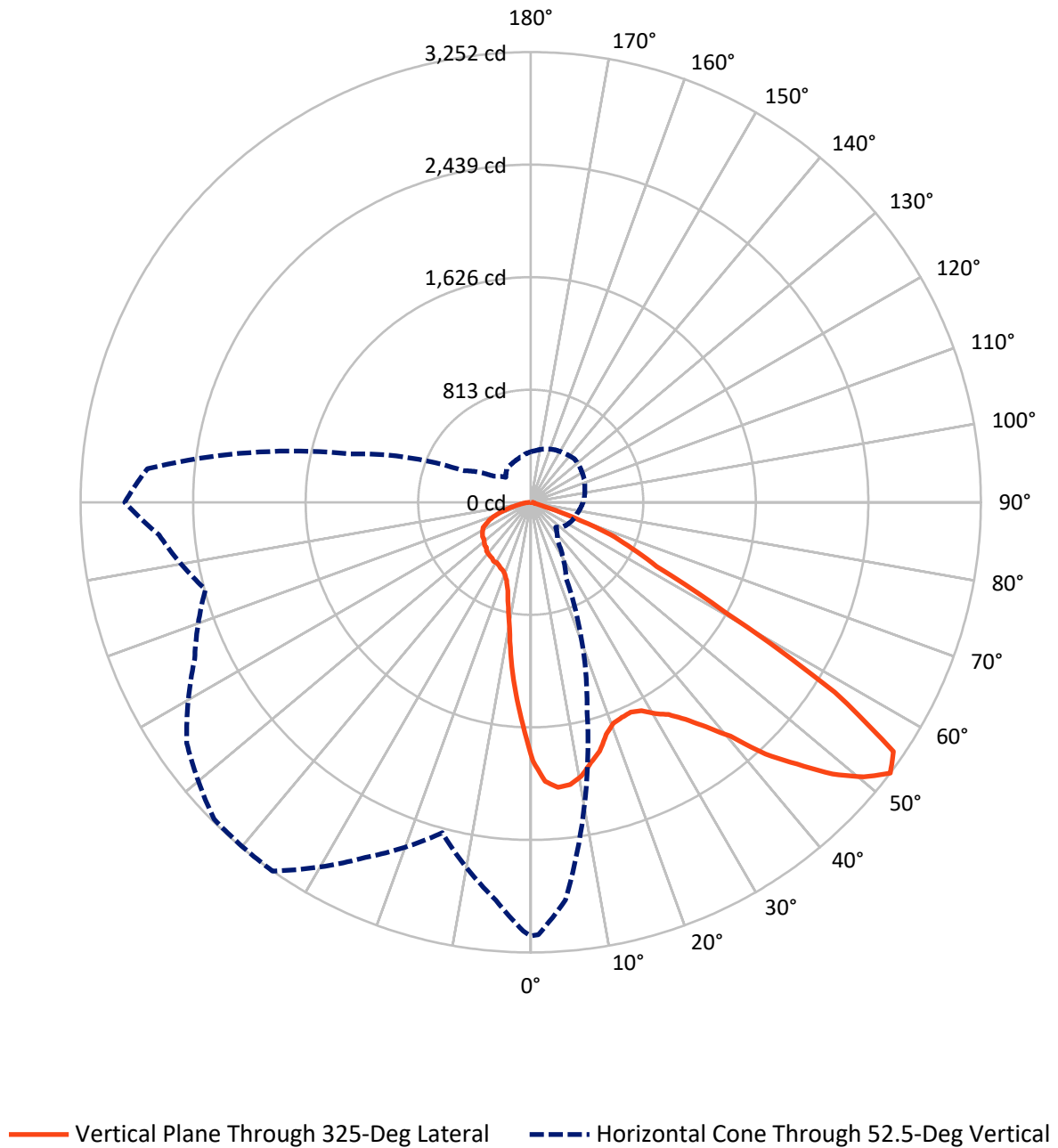


Based on 25 foot mounting height. Maximum calculated value = 3 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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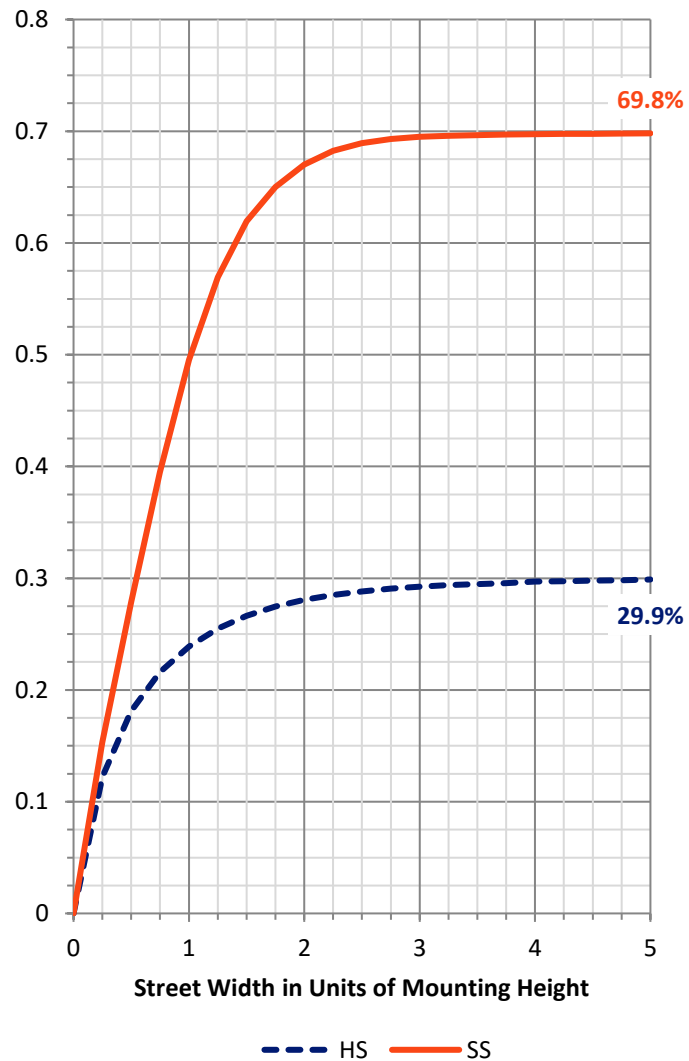
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1269.1	0.0	1269.1
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	2940.9	0.0	2940.9
	% Fixture	69.9	0.0	69.9
Total	Lumens	4210.0	0.0	4210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.5	3.4
10°-20°	309.0	7.3
20°-30°	466.9	11.1
30°-40°	674.7	16.0
40°-50°	897.9	21.3
50°-60°	1004.3	23.9
60°-70°	566.0	13.4
70°-80°	126.2	3.0
80°-90°	22.5	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°	4210.0	100.0
0°-180°	4210.0	100.0

Coefficient of Utilization



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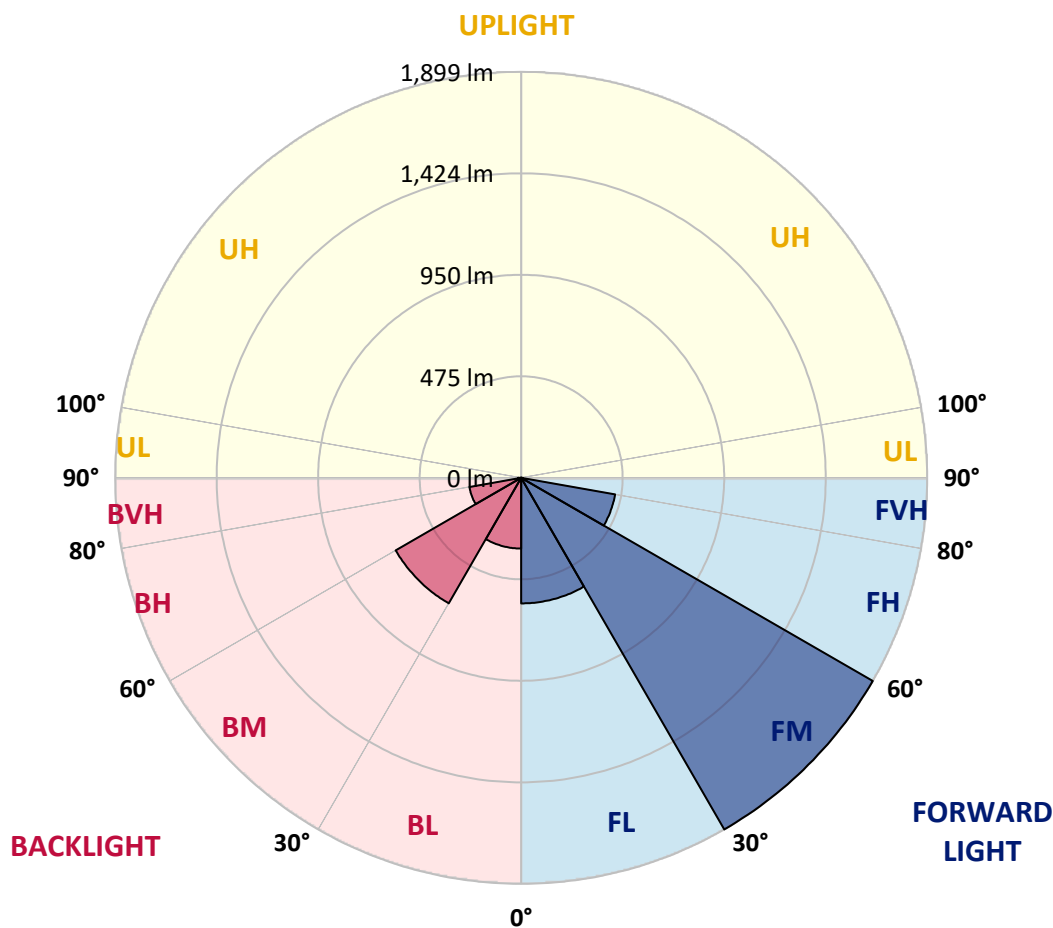
CATALOG NUMBER: GALN-SA1C-830-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	587.5	14.0			
FM	(30°-60°)	1899.0	45.1			
FH	(60°-80°)	446.2	10.6			G0/660
FVH	(80°-90°)	8.1	0.2			G0/10
BL	(0°-30°)	331.0	7.9	B1/500		
BM	(30°-60°)	677.8	16.1	B1/1000		
BH	(60°-80°)	246.0	5.8	B1/500		G1/500
BVH	(80°-90°)	14.3	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°	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4
2.5°	1899.5	1930.1	1897.1	1838.5	1797.0	1759.2	1719.5	1711.6	1659.7	1650.6	1612.8
5°	1791.5	1784.8	1744.6	1667.7	1582.9	1506.0	1449.2	1394.3	1357.1	1313.8	1310.7
7.5°	1660.3	1621.3	1598.1	1481.6	1376.6	1255.8	1203.9	1120.3	1094.1	1055.0	1034.9
10°	1543.2	1514.5	1460.2	1343.7	1197.2	1117.3	1061.7	1016.6	986.1	945.8	895.2
12.5°	1485.2	1473.6	1412.6	1232.0	1123.4	1037.9	998.9	955.0	903.1	838.4	813.4
15°	1495.6	1456.5	1410.2	1210.6	1060.5	978.1	915.9	861.0	794.5	732.8	696.8
17.5°	1573.1	1543.2	1450.4	1224.1	1036.7	917.7	804.9	723.7	663.9	608.4	583.3
20°	1725.6	1682.3	1578.0	1241.1	985.5	833.5	704.2	604.1	540.0	510.7	502.2
22.5°	1894.7	1869.0	1702.5	1279.6	944.6	755.4	597.4	497.3	473.5	465.6	481.4
25°	2100.3	2033.8	1895.9	1342.4	912.9	688.9	507.1	451.5	439.3	447.3	465.6
27.5°	2256.5	2238.8	2031.3	1401.6	869.5	609.0	456.4	419.8	423.5	431.4	448.5
30°	2442.0	2352.3	2162.5	1442.5	830.5	554.1	421.0	411.3	414.9	428.4	436.9
32.5°	2553.7	2520.1	2244.9	1504.1	785.3	506.5	393.6	384.4	389.9	410.1	430.2
35°	2695.9	2629.3	2346.8	1520.0	753.6	487.5	374.1	367.3	380.2	394.2	416.8
37.5°	2861.8	2816.1	2487.8	1509.0	736.5	468.0	357.6	354.5	363.7	383.2	409.4
40°	2960.1	2946.0	2561.6	1515.7	709.7	450.9	338.7	342.3	361.2	376.5	402.1
42.5°	3054.6	2963.1	2670.8	1513.3	692.6	427.7	340.5	336.2	350.9	368.6	393.0
45°	3075.4	2984.5	2696.5	1496.2	671.8	405.2	326.5	328.3	346.0	367.9	383.8
47.5°	3062.0	2994.8	2744.1	1491.3	652.3	389.3	305.7	327.7	338.0	355.7	378.3
50°	3052.8	3049.2	2784.3	1514.5	626.1	364.3	280.7	319.7	330.1	347.8	372.2
52.5°	3133.4	3125.4	2885.0	1575.5	605.3	337.4	255.1	299.6	324.6	341.7	365.5
55°	3182.2	3147.4	3057.7	1650.6	570.5	302.0	237.4	274.6	311.2	326.5	350.9
57.5°	2862.4	2838.6	2766.0	1540.7	512.0	255.7	215.4	249.0	292.9	316.7	341.7
60°	2381.6	2344.4	2158.3	1309.5	377.7	198.9	202.0	228.8	288.0	297.2	326.5
62.5°	2245.5	2153.4	1900.2	1053.8	289.8	170.9	181.2	210.5	262.4	277.6	306.9
65°	1781.8	1713.4	1359.5	760.9	194.0	148.3	165.4	189.8	226.4	256.3	283.1
67.5°	1115.4	1050.1	725.5	360.0	135.5	126.9	147.7	173.3	203.2	230.0	259.9
70°	582.7	511.3	335.0	130.0	93.4	103.7	123.3	147.7	177.0	198.9	222.1
72.5°	217.2	176.3	109.2	56.1	64.7	79.3	100.1	117.8	138.5	165.4	178.2
75°	33.6	28.7	28.1	34.2	43.9	57.4	71.4	89.1	107.4	124.5	133.0
77.5°	15.9	15.3	17.1	22.6	29.3	40.9	51.9	69.0	83.6	94.6	99.5
80°	10.4	9.8	11.0	15.3	22.0	30.5	41.5	53.1	66.5	75.7	74.4
82.5°	6.1	6.7	6.7	10.4	15.3	22.0	29.9	40.3	49.4	57.4	52.5
85°	3.7	3.1	3.1	6.1	10.4	17.7	25.0	17.1	17.7	17.7	20.1
87.5°	1.2	1.2	1.2	0.6	1.2	1.2	1.8	3.1	3.7	4.3	5.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4
2.5°	1611.5	1630.4	1623.7	1599.9	1618.2	1621.3	1609.1	1651.2	1659.1	1646.3	1650.0
5°	1306.4	1311.3	1322.3	1345.5	1362.0	1381.5	1381.5	1382.7	1366.2	1407.7	1395.5
7.5°	1017.8	1020.9	1033.7	1083.1	1097.1	1134.4	1150.2	1139.2	1106.3	1092.3	1103.8
10°	878.7	861.0	856.7	862.8	894.5	910.4	923.8	920.2	914.7	903.7	891.5
12.5°	785.9	773.1	762.7	748.1	749.9	765.2	775.6	767.0	769.5	771.9	775.6
15°	685.3	676.1	670.6	648.6	646.2	656.6	660.2	665.1	674.3	674.9	670.6
17.5°	578.5	570.5	582.7	594.9	586.4	587.0	593.7	598.0	595.6	584.6	579.1
20°	505.2	513.8	526.0	537.6	546.7	552.2	554.7	548.0	540.0	517.4	516.8
22.5°	483.9	494.9	505.2	522.9	531.5	545.5	532.7	517.4	506.5	495.5	482.7
25°	468.0	477.2	497.9	504.6	521.1	532.7	523.5	508.3	489.4	473.5	463.7
27.5°	456.4	466.8	480.2	498.5	511.3	518.1	508.9	502.8	483.3	464.4	450.3
30°	449.1	460.1	484.5	499.8	510.7	516.2	500.4	493.0	479.0	463.1	450.9
32.5°	444.2	454.0	474.7	494.3	501.6	501.6	504.0	495.5	476.0	449.1	438.7
35°	428.4	441.8	458.9	481.4	494.9	502.8	490.6	480.8	468.0	440.6	421.6
37.5°	419.2	428.4	450.3	471.7	483.3	491.8	486.9	469.9	452.8	430.2	414.9
40°	409.4	424.1	443.6	463.7	476.6	485.1	481.4	461.3	440.6	419.2	408.8
42.5°	402.7	412.5	432.6	455.2	470.5	486.9	476.0	450.9	436.3	407.0	395.4
45°	397.2	413.1	434.5	443.6	459.5	476.6	457.0	441.8	424.7	403.3	393.6
47.5°	390.5	405.2	419.2	443.6	450.9	458.9	455.2	430.8	416.2	393.0	386.3
50°	388.1	393.6	419.2	432.6	443.0	450.9	441.2	422.9	408.8	385.0	370.4
52.5°	378.3	388.7	405.2	422.9	435.7	445.4	429.6	418.0	399.1	374.1	364.9
55°	366.1	372.2	401.5	419.8	426.5	433.2	427.1	408.2	388.7	363.1	353.9
57.5°	350.3	364.3	388.1	413.7	422.3	425.9	416.2	400.9	376.5	353.9	339.3
60°	333.8	348.4	374.7	395.4	404.0	417.4	402.7	393.6	365.5	340.5	324.6
62.5°	317.3	333.8	353.3	379.5	386.9	392.4	388.7	375.9	353.3	325.2	305.7
65°	297.8	310.0	334.4	347.8	352.7	365.5	352.7	347.8	327.7	300.8	284.4
67.5°	268.5	278.9	300.2	313.0	316.7	322.2	321.6	316.1	293.5	275.2	260.6
70°	234.9	244.1	257.5	272.8	274.6	281.3	275.2	274.0	259.3	234.3	226.4
72.5°	188.6	197.1	214.8	221.5	222.1	224.6	221.5	217.2	213.6	187.3	179.4
75°	144.6	149.5	158.0	164.1	164.1	167.2	165.4	161.1	151.3	134.9	126.9
77.5°	100.7	105.6	116.5	120.2	119.6	120.8	115.3	111.1	96.4	87.9	81.2
80°	73.2	76.3	81.8	84.2	84.8	86.6	79.9	76.3	67.7	58.0	54.9
82.5°	53.1	54.9	55.5	58.6	58.6	55.5	53.7	50.0	43.9	37.8	35.4
85°	22.0	22.6	23.2	26.8	27.5	33.0	30.5	28.7	25.0	21.4	19.5
87.5°	5.5	6.1	7.9	6.7	7.9	7.9	8.5	9.8	9.8	7.9	7.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4
2.5°	1664.0	1668.9	1731.1	1739.1	1769.6	1800.7	1863.5	1908.7	1945.3	1969.1	1975.8
5°	1408.3	1439.5	1468.1	1514.5	1556.6	1616.4	1685.4	1770.8	1878.2	1933.1	1955.1
7.5°	1102.6	1139.2	1180.7	1225.9	1287.5	1394.9	1487.1	1585.9	1723.2	1779.9	1866.0
10°	900.0	940.9	995.8	1030.6	1105.1	1207.6	1315.0	1429.1	1560.3	1642.0	1741.5
12.5°	795.7	829.3	879.9	953.1	1008.7	1075.2	1155.1	1299.1	1487.1	1564.5	1632.9
15°	680.4	717.6	776.2	857.3	923.8	1003.2	1092.9	1249.7	1449.8	1569.4	1627.4
17.5°	585.2	612.0	673.7	743.8	820.1	906.8	1035.5	1247.2	1488.9	1642.0	1736.6
20°	519.3	522.9	556.5	616.3	720.0	832.9	1000.1	1235.0	1614.0	1767.1	1886.7
22.5°	477.8	474.1	474.7	525.4	598.0	760.3	944.6	1276.5	1756.1	1966.1	2046.6
25°	457.0	447.3	441.2	452.2	518.1	674.3	902.5	1331.5	1909.3	2130.2	2229.1
27.5°	446.1	429.0	416.8	418.6	466.8	630.9	876.2	1355.2	2061.2	2359.0	2393.8
30°	441.8	420.4	402.7	396.6	428.4	570.5	820.1	1396.1	2197.3	2484.7	2514.6
32.5°	426.5	400.3	383.2	377.7	390.5	517.4	779.8	1425.4	2317.5	2621.4	2611.0
35°	408.8	386.9	365.5	355.1	364.3	483.3	747.5	1411.4	2459.1	2727.6	2722.1
37.5°	407.0	378.3	360.6	343.5	342.9	441.2	703.6	1424.8	2549.4	2918.0	2842.9
40°	391.1	372.8	349.6	335.6	327.7	419.8	660.8	1393.1	2681.8	2994.8	2921.0
42.5°	391.7	364.3	344.2	327.7	319.7	388.7	631.6	1384.5	2728.2	3119.9	2957.6
45°	382.0	355.1	338.0	318.5	314.3	364.9	603.5	1344.9	2810.0	3126.0	2911.9
47.5°	372.2	348.4	330.1	306.9	297.2	356.4	581.5	1311.9	2767.2	3068.7	2848.4
50°	365.5	338.0	321.0	304.5	277.0	341.7	552.8	1304.0	2707.4	2991.2	2730.6
52.5°	353.9	329.5	311.8	299.0	255.1	328.3	541.9	1350.4	2780.7	2933.2	2696.5
55°	342.9	317.9	295.3	270.3	236.8	292.9	511.3	1393.7	2887.5	3066.9	2851.5
57.5°	331.3	307.5	283.1	253.2	219.1	256.3	479.6	1401.6	2687.3	2834.4	2706.8
60°	316.1	285.6	267.3	228.2	200.1	212.3	380.2	1235.6	2084.4	2367.0	2371.2
62.5°	299.0	266.0	250.2	204.4	180.6	183.1	310.0	1038.6	1690.9	1959.3	2075.9
65°	276.4	244.7	225.8	189.2	166.6	158.7	227.0	760.9	1284.5	1589.6	1722.0
67.5°	247.1	217.2	193.4	164.8	148.9	136.1	155.0	428.4	758.5	1067.2	1107.5
70°	216.0	190.4	165.4	141.6	123.9	114.7	113.5	189.8	362.5	574.2	653.5
72.5°	170.2	151.9	131.8	114.1	102.5	89.1	81.2	78.7	122.6	233.7	322.8
75°	122.0	106.8	95.2	83.6	75.1	67.7	61.6	56.1	51.3	58.6	80.5
77.5°	76.9	71.4	62.2	59.2	54.3	52.5	50.0	47.0	43.3	40.9	40.9
80°	51.9	48.2	45.2	44.5	42.7	42.1	42.7	39.7	36.0	33.0	34.2
82.5°	34.8	34.2	33.6	33.0	33.6	34.2	35.4	34.8	31.7	29.9	30.5
85°	20.7	22.0	23.2	24.4	26.8	23.8	19.5	16.5	14.6	13.4	12.8
87.5°	7.9	11.0	9.8	9.2	9.8	9.2	8.5	7.9	6.7	6.1	6.1
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4	1868.4
2.5°	2020.4	2032.6	2042.9	2040.5	2019.1	1990.5	1978.9	1919.7	1907.5	1899.5
5°	2047.8	2118.6	2133.9	2124.7	2069.2	1999.0	1930.7	1844.0	1793.4	1791.5
7.5°	1997.2	2084.4	2111.9	2132.6	2058.8	1936.8	1819.6	1689.6	1657.9	1660.3
10°	1868.4	2007.5	2075.3	2096.6	2011.8	1906.3	1743.9	1612.1	1544.4	1543.2
12.5°	1797.0	1906.3	1925.2	1955.1	1930.1	1823.3	1700.0	1552.3	1486.4	1485.2
15°	1733.6	1805.6	1811.1	1853.2	1866.6	1794.6	1711.6	1554.2	1501.1	1495.6
17.5°	1789.1	1739.1	1718.3	1723.8	1763.5	1789.7	1778.7	1657.9	1603.6	1573.1
20°	1826.3	1714.7	1651.8	1657.9	1704.9	1800.7	1878.8	1808.0	1722.0	1725.6
22.5°	1925.8	1718.3	1620.1	1613.4	1687.8	1858.1	1991.7	1997.8	1914.8	1894.7
25°	2074.7	1760.4	1610.3	1608.5	1679.9	1919.7	2123.5	2222.3	2137.5	2100.3
27.5°	2194.3	1826.3	1640.8	1646.9	1704.9	1969.7	2235.8	2367.0	2302.3	2256.5
30°	2299.2	1894.7	1683.5	1655.5	1772.0	1996.0	2284.0	2531.7	2479.8	2442.0
32.5°	2342.5	1991.7	1751.3	1704.9	1827.5	2027.7	2384.0	2691.6	2647.0	2553.7
35°	2415.8	2046.0	1787.9	1784.2	1924.6	2104.0	2431.0	2797.1	2778.8	2695.9
37.5°	2474.3	2100.9	1917.8	1877.6	2057.6	2232.1	2506.7	2943.0	2900.9	2861.8
40°	2519.5	2199.2	2039.3	2092.4	2221.1	2348.6	2576.3	2952.1	3073.6	2960.1
42.5°	2478.0	2287.0	2238.8	2365.7	2487.8	2481.7	2584.2	3022.9	3113.8	3054.6
45°	2467.6	2435.9	2554.3	2669.6	2697.7	2592.1	2527.4	2944.8	3101.6	3075.4
47.5°	2442.6	2582.4	2788.6	2976.5	2933.8	2666.0	2459.7	2930.8	3109.0	3062.0
50°	2434.1	2614.1	2961.9	3145.0	3119.3	2730.0	2428.0	2840.5	3057.1	3052.8
52.5°	2433.5	2679.4	3033.9	3236.5	3252.4	2831.3	2471.3	2886.2	3097.4	3133.4
55°	2460.9	2658.6	3024.7	3185.8	3179.7	2786.2	2476.2	2916.7	3146.8	3182.2
57.5°	2321.2	2381.6	2496.3	2623.8	2590.9	2307.8	2211.4	2696.5	2888.1	2862.4
60°	2004.5	1815.3	1686.0	1679.9	1615.8	1527.3	1809.8	2406.6	2406.6	2381.6
62.5°	1755.5	1191.7	1023.9	976.3	1022.1	1124.0	1745.8	2340.7	2274.2	2245.5
65°	1535.3	909.8	740.2	726.7	806.1	959.8	1578.6	1994.1	1877.0	1781.8
67.5°	987.9	666.3	550.4	526.6	622.4	704.8	1050.8	1226.5	1152.7	1115.4
70°	637.0	433.9	306.3	287.4	324.6	434.5	671.2	715.2	607.8	582.7
72.5°	301.4	187.3	107.4	88.5	99.5	166.0	265.4	285.6	237.4	217.2
75°	95.8	69.0	43.9	37.8	36.0	42.7	61.0	47.0	34.2	33.6
77.5°	42.7	40.9	34.8	29.3	25.6	21.4	17.7	14.6	15.3	15.9
80°	35.4	32.3	28.7	25.6	21.4	16.5	12.8	9.8	9.8	10.4
82.5°	31.1	28.1	25.0	21.4	18.3	13.4	9.8	6.7	6.1	6.1
85°	13.4	15.9	17.1	18.3	14.6	11.0	6.7	4.3	3.7	3.7
87.5°	5.5	4.9	4.3	3.7	3.1	3.1	2.4	1.8	1.2	1.2
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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