

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: P526574

Luminaire Tested: **GALN-SA1C-735-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526574
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-735-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 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: 4935 lumens
Efficiency: N/A
Efficacy: 86.6 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

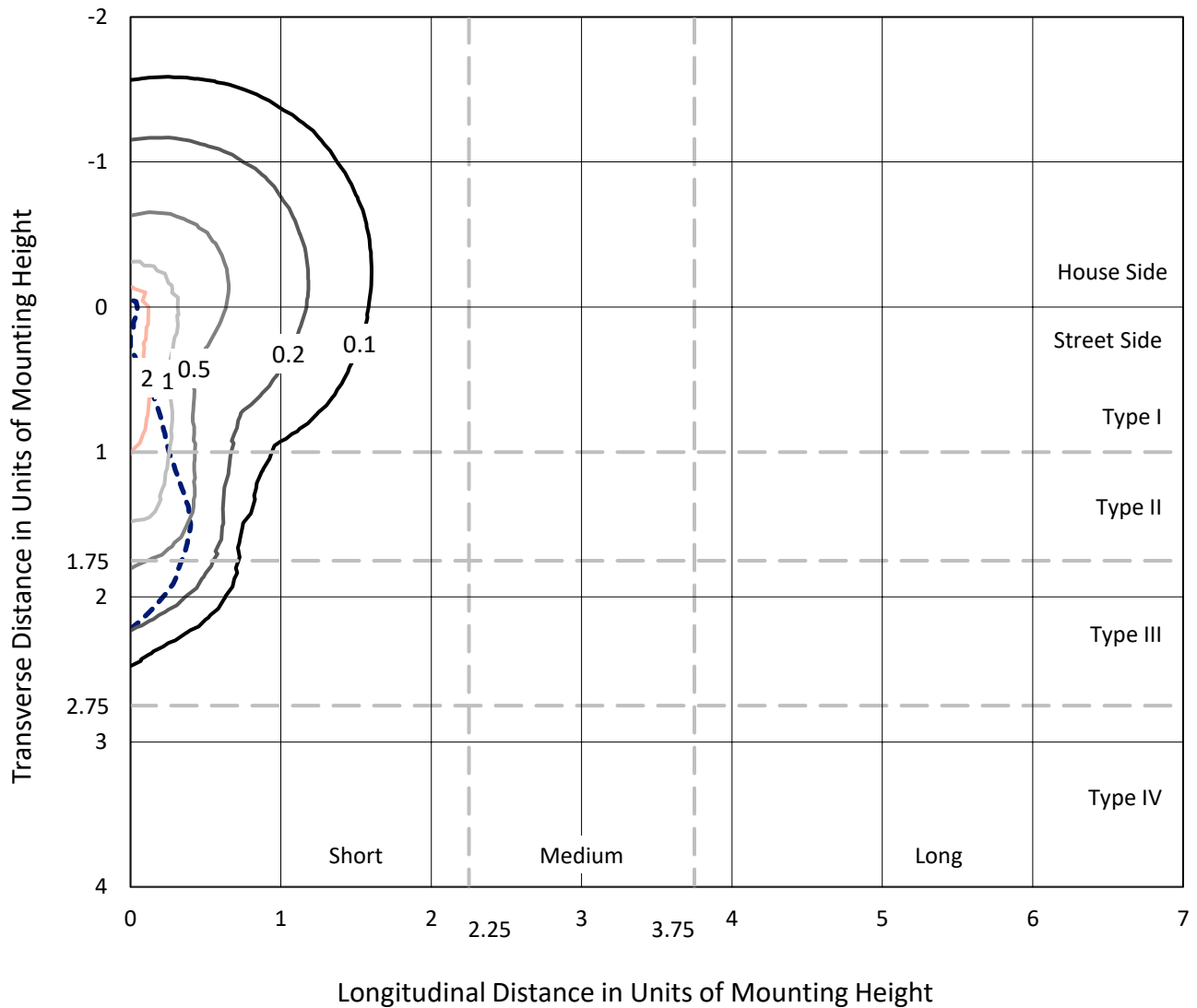
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

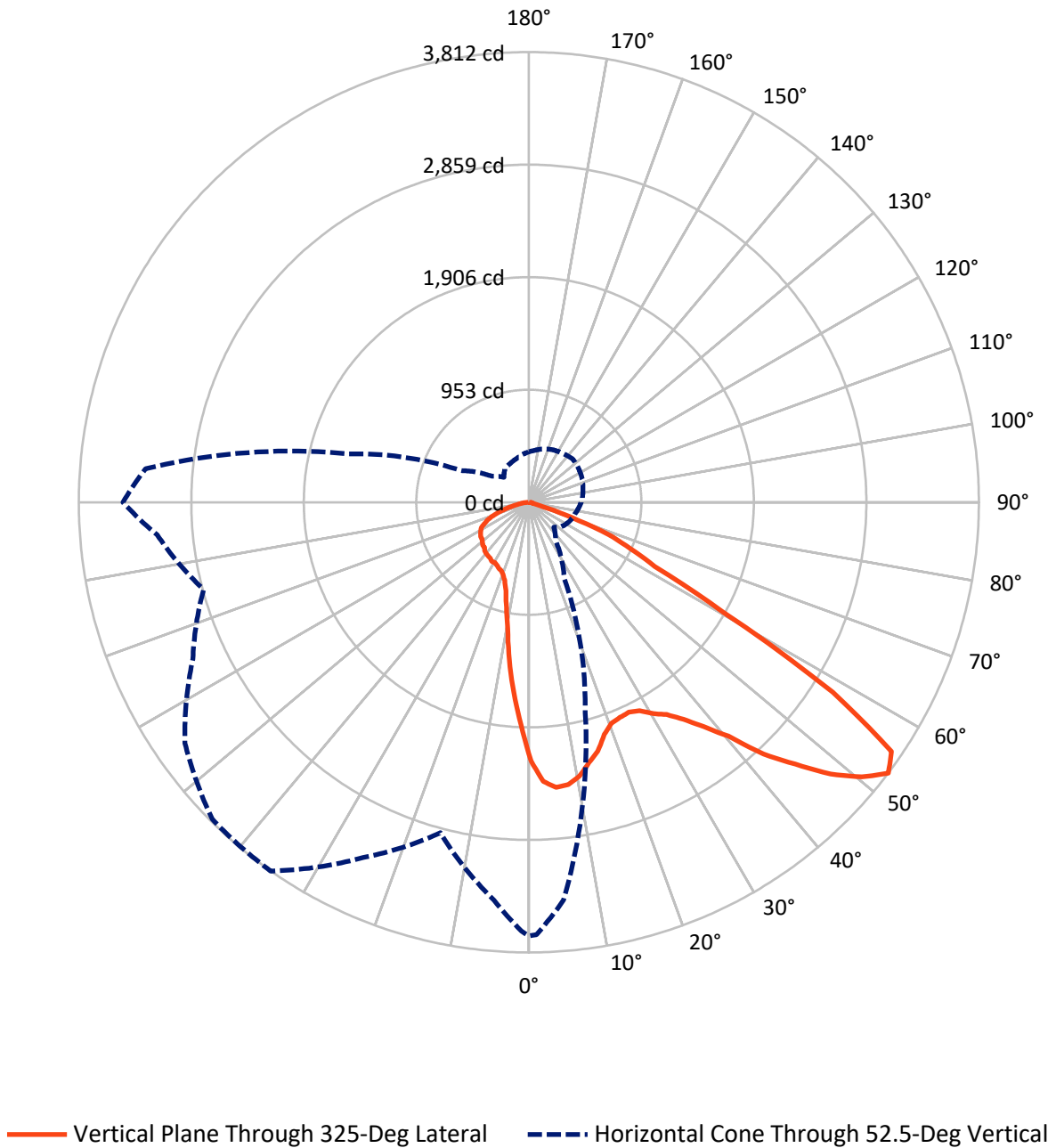
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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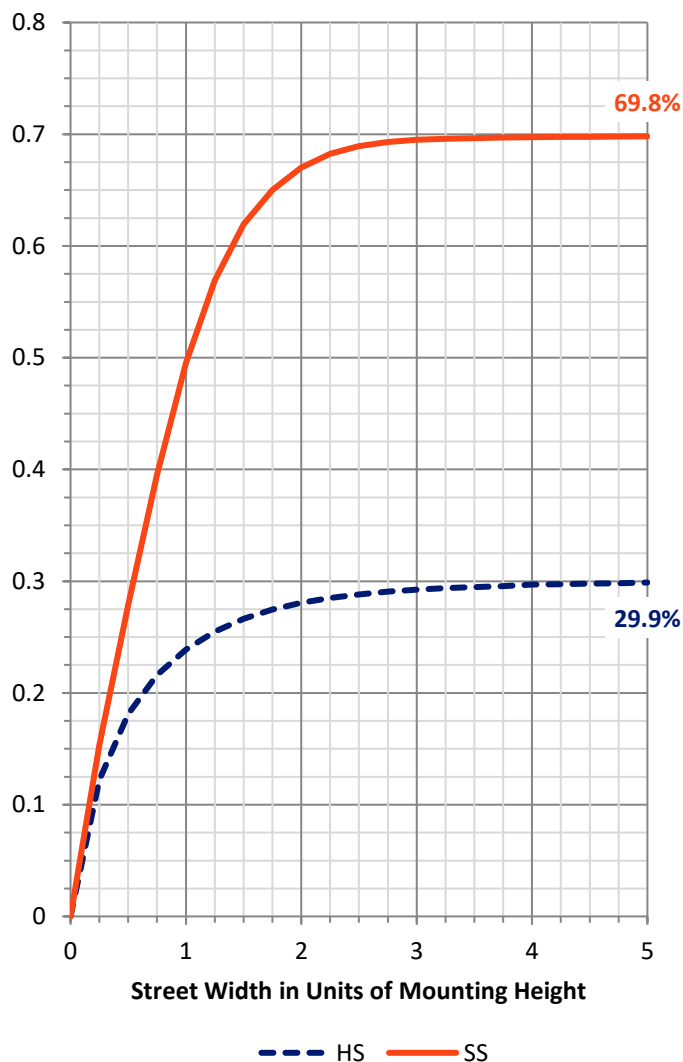
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1487.7	0.0	1487.7
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	3447.3	0.0	3447.3
	% Fixture	69.9	0.0	69.9
Total	Lumens	4935.0	0.0	4935.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.1	3.4
10°-20°	362.2	7.3
20°-30°	547.3	11.1
30°-40°	790.9	16.0
40°-50°	1052.5	21.3
50°-60°	1177.3	23.9
60°-70°	663.5	13.4
70°-80°	147.9	3.0
80°-90°	26.3	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°	4935.0	100.0
0°-180°	4935.0	100.0

Coefficient of Utilization



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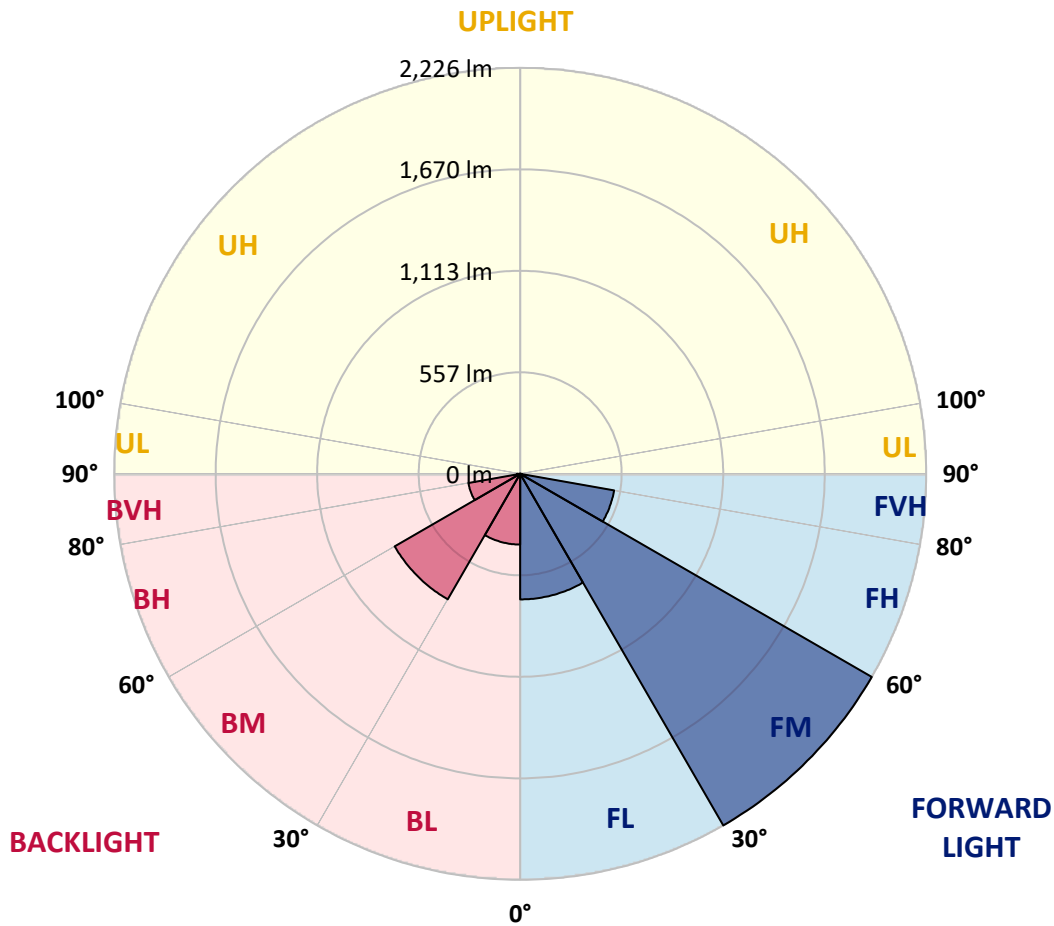
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	688.7	14.0			
FM (30°-60°)	2226.1	45.1			
FH (60°-80°)	523.0	10.6			G0/660
FVH (80°-90°)	9.5	0.2			G0/10
BL (0°-30°)	388.0	7.9	B1/500		
BM (30°-60°)	794.6	16.1	B1/1000		
BH (60°-80°)	288.4	5.8	B1/500		G1/500
BVH (80°-90°)	16.8	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°	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2
2.5°	2226.7	2262.4	2223.8	2155.1	2106.5	2062.1	2015.7	2006.4	1945.6	1934.8	1890.5
5°	2100.1	2092.2	2045.0	1954.9	1855.4	1765.3	1698.8	1634.4	1590.8	1540.0	1536.4
7.5°	1946.3	1900.5	1873.3	1736.7	1613.7	1472.0	1411.2	1313.3	1282.5	1236.7	1213.1
10°	1808.9	1775.3	1711.7	1575.0	1403.4	1309.7	1244.6	1191.7	1155.9	1108.7	1049.3
12.5°	1741.0	1727.4	1655.9	1444.1	1316.8	1216.7	1170.9	1119.4	1058.6	982.8	953.5
15°	1753.1	1707.4	1653.0	1419.1	1243.2	1146.6	1073.6	1009.3	931.3	859.0	816.8
17.5°	1844.0	1808.9	1700.2	1434.8	1215.3	1075.8	943.5	848.3	778.2	713.1	683.8
20°	2022.8	1972.0	1849.7	1454.9	1155.2	977.1	825.4	708.1	633.0	598.7	588.7
22.5°	2220.9	2190.9	1995.6	1499.9	1107.3	885.5	700.3	583.0	555.1	545.8	564.4
25°	2462.0	2384.0	2222.4	1573.6	1070.1	807.5	594.4	529.3	515.0	524.3	545.8
27.5°	2645.1	2624.4	2381.2	1643.0	1019.3	713.8	535.0	492.1	496.4	505.7	525.7
30°	2862.5	2757.4	2534.9	1690.9	973.5	649.5	493.5	482.1	486.4	502.1	512.1
32.5°	2993.4	2954.1	2631.5	1763.2	920.6	593.7	461.4	450.6	457.1	480.7	504.3
35°	3160.1	3082.1	2751.0	1781.8	883.4	571.5	438.5	430.6	445.6	462.1	488.5
37.5°	3354.7	3301.0	2916.2	1768.9	863.3	548.6	419.2	415.6	426.3	449.2	480.0
40°	3469.8	3453.4	3002.7	1776.8	831.9	528.6	397.0	401.3	423.4	441.3	471.4
42.5°	3580.7	3473.4	3130.8	1773.9	811.8	501.4	399.1	394.1	411.3	432.0	460.6
45°	3605.0	3498.4	3160.8	1753.9	787.5	474.9	382.7	384.8	405.6	431.3	449.9
47.5°	3589.3	3510.6	3216.6	1748.1	764.6	456.3	358.4	384.1	396.3	417.0	443.5
50°	3578.5	3574.2	3263.8	1775.3	733.9	427.0	329.0	374.8	387.0	407.7	436.3
52.5°	3673.0	3663.7	3381.8	1846.8	709.6	395.5	299.0	351.2	380.5	400.6	428.5
55°	3730.2	3689.4	3584.3	1934.8	668.8	354.1	278.2	321.9	364.8	382.7	411.3
57.5°	3355.4	3327.5	3242.4	1806.1	600.1	299.7	252.5	291.8	343.3	371.2	400.6
60°	2791.7	2748.1	2529.9	1535.0	442.8	233.2	236.8	268.2	337.6	348.3	382.7
62.5°	2632.2	2524.2	2227.4	1235.3	339.8	200.3	212.4	246.8	307.6	325.5	359.8
65°	2088.6	2008.5	1593.6	892.0	227.5	173.8	193.8	222.5	265.4	300.4	331.9
67.5°	1307.5	1231.0	850.5	422.0	158.8	148.8	173.1	203.1	238.2	269.7	304.7
70°	683.1	599.4	392.7	152.4	109.4	121.6	144.5	173.1	207.4	233.2	260.4
72.5°	254.6	206.7	128.0	65.8	75.8	93.0	117.3	138.0	162.4	193.8	208.9
75°	39.3	33.6	32.9	40.1	51.5	67.2	83.7	104.4	125.9	145.9	155.9
77.5°	18.6	17.9	20.0	26.5	34.3	47.9	60.8	80.8	98.0	110.9	116.6
80°	12.2	11.4	12.9	17.9	25.8	35.8	48.6	62.2	78.0	88.7	87.3
82.5°	7.2	7.9	7.9	12.2	17.9	25.8	35.0	47.2	57.9	67.2	61.5
85°	4.3	3.6	3.6	7.2	12.2	20.7	29.3	20.0	20.7	20.7	23.6
87.5°	1.4	1.4	1.4	0.7	1.4	1.4	2.1	3.6	4.3	5.0	6.4
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°	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2
2.5°	1889.1	1911.2	1903.4	1875.5	1896.9	1900.5	1886.2	1935.5	1944.8	1929.8	1934.1
5°	1531.4	1537.1	1550.0	1577.2	1596.5	1619.4	1619.4	1620.8	1601.5	1650.1	1635.8
7.5°	1193.1	1196.7	1211.7	1269.6	1286.1	1329.7	1348.3	1335.4	1296.8	1280.3	1293.9
10°	1030.0	1009.3	1004.3	1011.4	1048.6	1067.2	1082.9	1078.6	1072.2	1059.3	1045.0
12.5°	921.3	906.3	894.1	876.9	879.1	897.0	909.1	899.1	902.0	904.8	909.1
15°	803.3	792.5	786.1	760.3	757.5	769.6	773.9	779.7	790.4	791.1	786.1
17.5°	678.1	668.8	683.1	697.4	687.4	688.1	696.0	701.0	698.1	685.2	678.8
20°	592.3	602.3	616.6	630.2	640.9	647.3	650.2	642.3	633.0	606.6	605.8
22.5°	567.2	580.1	592.3	613.0	623.0	639.5	624.4	606.6	593.7	580.8	565.8
25°	548.6	559.3	583.7	591.5	610.8	624.4	613.7	595.8	573.7	555.1	543.6
27.5°	535.0	547.2	562.9	584.4	599.4	607.3	596.5	589.4	566.5	544.3	527.9
30°	526.4	539.3	567.9	585.8	598.7	605.1	586.5	577.9	561.5	542.9	528.6
32.5°	520.7	532.2	556.5	579.4	588.0	588.0	590.8	580.8	557.9	526.4	514.3
35°	502.1	517.9	537.9	564.4	580.1	589.4	575.1	563.6	548.6	516.4	494.3
37.5°	491.4	502.1	527.9	552.9	566.5	576.5	570.8	550.8	530.7	504.3	486.4
40°	480.0	497.1	520.0	543.6	558.6	568.6	564.4	540.8	516.4	491.4	479.2
42.5°	472.1	483.5	507.1	533.6	551.5	570.8	557.9	528.6	511.4	477.1	463.5
45°	465.6	484.2	509.3	520.0	538.6	558.6	535.7	517.9	497.8	472.8	461.4
47.5°	457.8	474.9	491.4	520.0	528.6	537.9	533.6	505.0	487.8	460.6	452.8
50°	454.9	461.4	491.4	507.1	519.3	528.6	517.1	495.7	479.2	451.3	434.2
52.5°	443.5	455.6	474.9	495.7	510.7	522.2	503.6	490.0	467.8	438.5	427.7
55°	429.2	436.3	470.7	492.1	500.0	507.8	500.7	478.5	455.6	425.6	414.9
57.5°	410.6	427.0	454.9	485.0	495.0	499.3	487.8	469.9	441.3	414.9	397.7
60°	391.3	408.4	439.2	463.5	473.5	489.3	472.1	461.4	428.5	399.1	380.5
62.5°	371.9	391.3	414.1	444.9	453.5	459.9	455.6	440.6	414.1	381.2	358.4
65°	349.1	363.4	392.0	407.7	413.4	428.5	413.4	407.7	384.1	352.6	333.3
67.5°	314.7	326.9	351.9	366.9	371.2	377.7	377.0	370.5	344.0	322.6	305.4
70°	275.4	286.1	301.8	319.7	321.9	329.7	322.6	321.2	304.0	274.7	265.4
72.5°	221.0	231.0	251.8	259.6	260.4	263.2	259.6	254.6	250.3	219.6	210.3
75°	169.5	175.2	185.3	192.4	192.4	196.0	193.8	188.8	177.4	158.1	148.8
77.5°	118.0	123.7	136.6	140.9	140.2	141.6	135.2	130.2	113.0	103.0	95.1
80°	85.8	89.4	95.8	98.7	99.4	101.6	93.7	89.4	79.4	68.0	64.4
82.5°	62.2	64.4	65.1	68.7	68.7	65.1	62.9	58.7	51.5	44.3	41.5
85°	25.8	26.5	27.2	31.5	32.2	38.6	35.8	33.6	29.3	25.0	22.9
87.5°	6.4	7.2	9.3	7.9	9.3	9.3	10.0	11.4	11.4	9.3	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2
2.5°	1950.6	1956.3	2029.2	2038.5	2074.3	2110.8	2184.5	2237.4	2280.3	2308.2	2316.1
5°	1650.9	1687.3	1721.0	1775.3	1824.7	1894.8	1975.6	2075.7	2201.6	2266.0	2291.8
7.5°	1292.5	1335.4	1384.1	1437.0	1509.2	1635.1	1743.1	1859.0	2019.9	2086.5	2187.3
10°	1055.0	1103.0	1167.3	1208.1	1295.4	1415.5	1541.4	1675.2	1829.0	1924.8	2041.4
12.5°	932.7	972.1	1031.4	1117.3	1182.4	1260.3	1354.0	1522.8	1743.1	1834.0	1914.1
15°	797.5	841.2	909.8	1005.0	1082.9	1175.9	1281.1	1464.9	1699.5	1839.7	1907.6
17.5°	686.0	717.4	789.7	871.9	961.3	1062.9	1213.8	1462.0	1745.3	1924.8	2035.7
20°	608.7	613.0	652.3	722.4	844.0	976.4	1172.3	1447.7	1891.9	2071.4	2211.6
22.5°	560.1	555.8	556.5	615.9	701.0	891.2	1107.3	1496.4	2058.6	2304.6	2399.0
25°	535.7	524.3	517.1	530.0	607.3	790.4	1057.9	1560.7	2238.1	2497.0	2612.9
27.5°	522.9	502.8	488.5	490.7	547.2	739.6	1027.1	1588.6	2416.2	2765.3	2806.0
30°	517.9	492.8	472.1	464.9	502.1	668.8	961.3	1636.6	2575.7	2912.6	2947.7
32.5°	500.0	469.2	449.2	442.8	457.8	606.6	914.1	1670.9	2716.6	3072.8	3060.7
35°	479.2	453.5	428.5	416.3	427.0	566.5	876.2	1654.4	2882.6	3197.3	3190.9
37.5°	477.1	443.5	422.7	402.7	402.0	517.1	824.7	1670.2	2988.4	3420.5	3332.5
40°	458.5	437.0	409.9	393.4	384.1	492.1	774.6	1633.0	3143.6	3510.6	3424.0
42.5°	459.2	427.0	403.4	384.1	374.8	455.6	740.3	1623.0	3198.0	3657.2	3467.0
45°	447.8	416.3	396.3	373.4	368.4	427.7	707.4	1576.5	3293.9	3664.4	3413.3
47.5°	436.3	408.4	387.0	359.8	348.3	417.7	681.7	1537.8	3243.8	3597.1	3338.9
50°	428.5	396.3	376.2	356.9	324.7	400.6	648.0	1528.6	3173.7	3506.3	3200.9
52.5°	414.9	386.3	365.5	350.5	299.0	384.8	635.2	1582.9	3259.5	3438.3	3160.8
55°	402.0	372.7	346.2	316.9	277.5	343.3	599.4	1633.7	3384.7	3595.0	3342.5
57.5°	388.4	360.5	331.9	296.8	256.8	300.4	562.2	1643.0	3150.1	3322.5	3173.0
60°	370.5	334.8	313.3	267.5	234.6	248.9	445.6	1448.4	2443.4	2774.6	2779.6
62.5°	350.5	311.9	293.3	239.6	211.7	214.6	363.4	1217.4	1982.0	2296.8	2433.4
65°	324.0	286.8	264.7	221.7	195.3	186.0	266.1	892.0	1505.7	1863.3	2018.5
67.5°	289.7	254.6	226.7	193.1	174.5	159.5	181.7	502.1	889.1	1251.0	1298.2
70°	253.2	223.2	193.8	165.9	145.2	134.5	133.0	222.5	424.9	673.1	766.1
72.5°	199.6	178.1	154.5	133.8	120.2	104.4	95.1	92.3	143.8	274.0	378.4
75°	143.1	125.2	111.6	98.0	88.0	79.4	72.2	65.8	60.1	68.7	94.4
77.5°	90.1	83.7	73.0	69.4	63.7	61.5	58.7	55.1	50.8	47.9	47.9
80°	60.8	56.5	52.9	52.2	50.1	49.4	50.1	46.5	42.2	38.6	40.1
82.5°	40.8	40.1	39.3	38.6	39.3	40.1	41.5	40.8	37.2	35.0	35.8
85°	24.3	25.8	27.2	28.6	31.5	27.9	22.9	19.3	17.2	15.7	15.0
87.5°	9.3	12.9	11.4	10.7	11.4	10.7	10.0	9.3	7.9	7.2	7.2
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°	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2	2190.2
2.5°	2368.3	2382.6	2394.8	2391.9	2366.9	2333.2	2319.6	2250.3	2236.0	2226.7
5°	2400.5	2483.4	2501.3	2490.6	2425.5	2343.3	2263.1	2161.6	2102.2	2100.1
7.5°	2341.1	2443.4	2475.6	2499.9	2413.4	2270.3	2133.0	1980.6	1943.4	1946.3
10°	2190.2	2353.3	2432.7	2457.7	2358.3	2234.5	2044.3	1889.8	1810.4	1808.9
12.5°	2106.5	2234.5	2256.7	2291.8	2262.4	2137.3	1992.8	1819.7	1742.4	1741.0
15°	2032.1	2116.5	2122.9	2172.3	2188.0	2103.6	2006.4	1821.8	1759.6	1753.1
17.5°	2097.2	2038.5	2014.2	2020.7	2067.2	2097.9	2085.0	1943.4	1879.8	1844.0
20°	2140.8	2009.9	1936.3	1943.4	1998.5	2110.8	2202.3	2119.4	2018.5	2022.8
22.5°	2257.4	2014.2	1899.1	1891.2	1978.5	2178.0	2334.7	2341.8	2244.5	2220.9
25°	2431.9	2063.6	1887.6	1885.5	1969.2	2250.3	2489.2	2605.0	2505.6	2462.0
27.5°	2572.1	2140.8	1923.4	1930.5	1998.5	2308.9	2620.8	2774.6	2698.7	2645.1
30°	2695.2	2220.9	1973.5	1940.6	2077.2	2339.7	2677.3	2967.7	2906.9	2862.5
32.5°	2746.0	2334.7	2052.8	1998.5	2142.3	2376.9	2794.6	3155.1	3102.9	2993.4
35°	2831.8	2398.3	2095.8	2091.5	2256.0	2466.3	2849.7	3278.8	3257.4	3160.1
37.5°	2900.5	2462.7	2248.1	2200.9	2411.9	2616.5	2938.4	3449.8	3400.4	3354.7
40°	2953.4	2577.9	2390.5	2452.7	2603.6	2753.1	3019.9	3460.5	3602.9	3469.8
42.5°	2904.7	2680.9	2624.4	2773.1	2916.2	2909.0	3029.2	3543.5	3650.1	3580.7
45°	2892.6	2855.4	2994.2	3129.3	3162.2	3038.5	2962.7	3451.9	3635.8	3605.0
47.5°	2863.3	3027.1	3268.8	3489.1	3439.1	3125.1	2883.3	3435.5	3644.3	3589.3
50°	2853.2	3064.3	3472.0	3686.5	3656.5	3200.2	2846.1	3329.6	3583.5	3578.5
52.5°	2852.5	3140.8	3556.4	3793.8	3812.4	3318.9	2896.9	3383.3	3630.8	3673.0
55°	2884.7	3116.5	3545.6	3734.5	3727.3	3266.0	2902.6	3419.0	3688.7	3730.2
57.5°	2720.9	2791.7	2926.2	3075.7	3037.1	2705.2	2592.2	3160.8	3385.4	3355.4
60°	2349.7	2128.0	1976.3	1969.2	1894.1	1790.3	2121.5	2821.1	2821.1	2791.7
62.5°	2057.9	1396.9	1200.2	1144.4	1198.1	1317.5	2046.4	2743.8	2665.8	2632.2
65°	1799.6	1066.5	867.6	851.9	944.9	1125.1	1850.4	2337.5	2200.2	2088.6
67.5°	1158.0	781.1	645.2	617.3	729.6	826.1	1231.7	1437.7	1351.2	1307.5
70°	746.8	508.6	359.1	336.9	380.5	509.3	786.8	838.3	712.4	683.1
72.5°	353.3	219.6	125.9	103.7	116.6	194.6	311.1	334.8	278.2	254.6
75°	112.3	80.8	51.5	44.3	42.2	50.1	71.5	55.1	40.1	39.3
77.5°	50.1	47.9	40.8	34.3	30.0	25.0	20.7	17.2	17.9	18.6
80°	41.5	37.9	33.6	30.0	25.0	19.3	15.0	11.4	11.4	12.2
82.5°	36.5	32.9	29.3	25.0	21.5	15.7	11.4	7.9	7.2	7.2
85°	15.7	18.6	20.0	21.5	17.2	12.9	7.9	5.0	4.3	4.3
87.5°	6.4	5.7	5.0	4.3	3.6	3.6	2.9	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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