

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: P526572

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
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-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT 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 II - Short
BUG Rating: B1 - U0 - G1

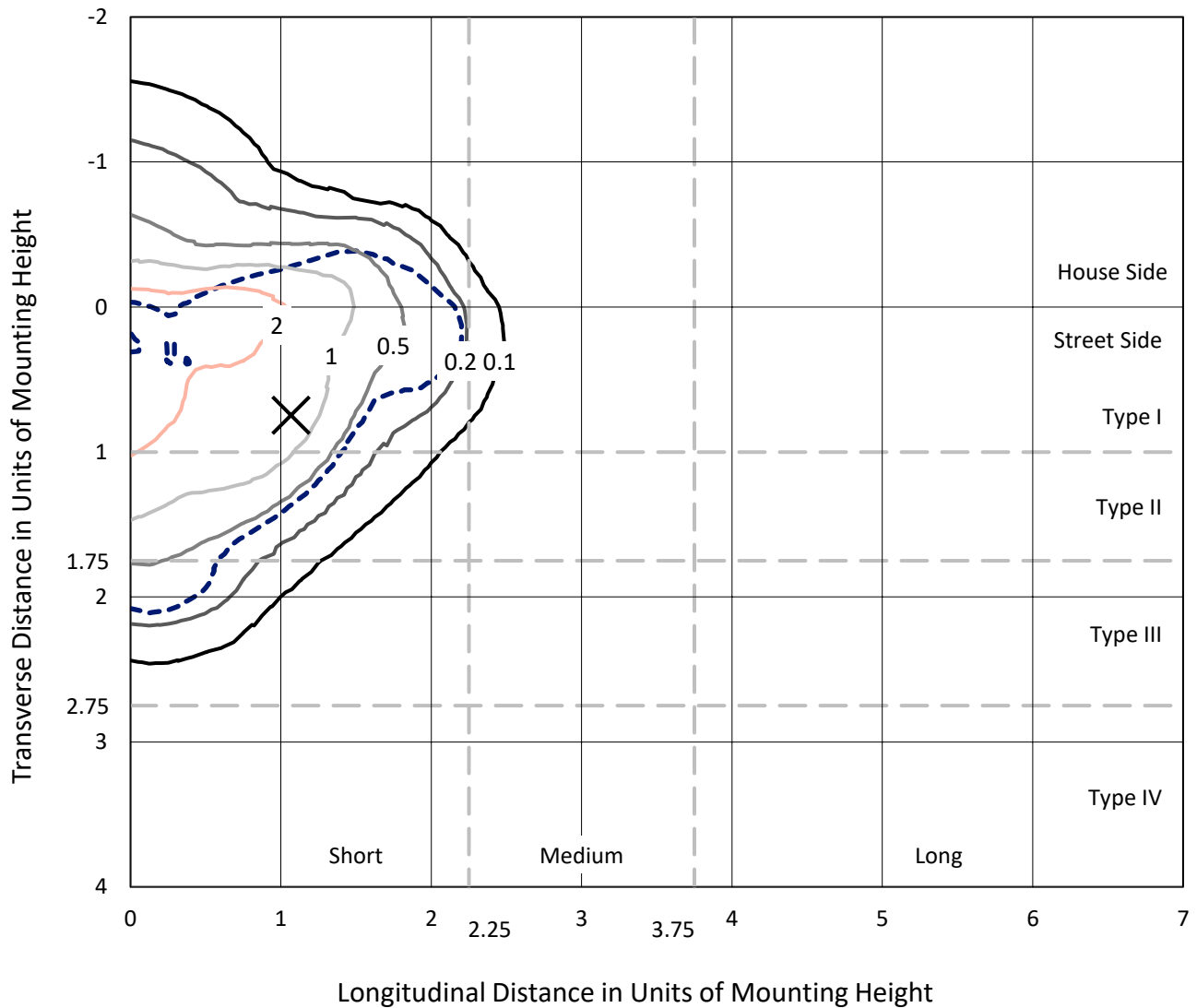
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

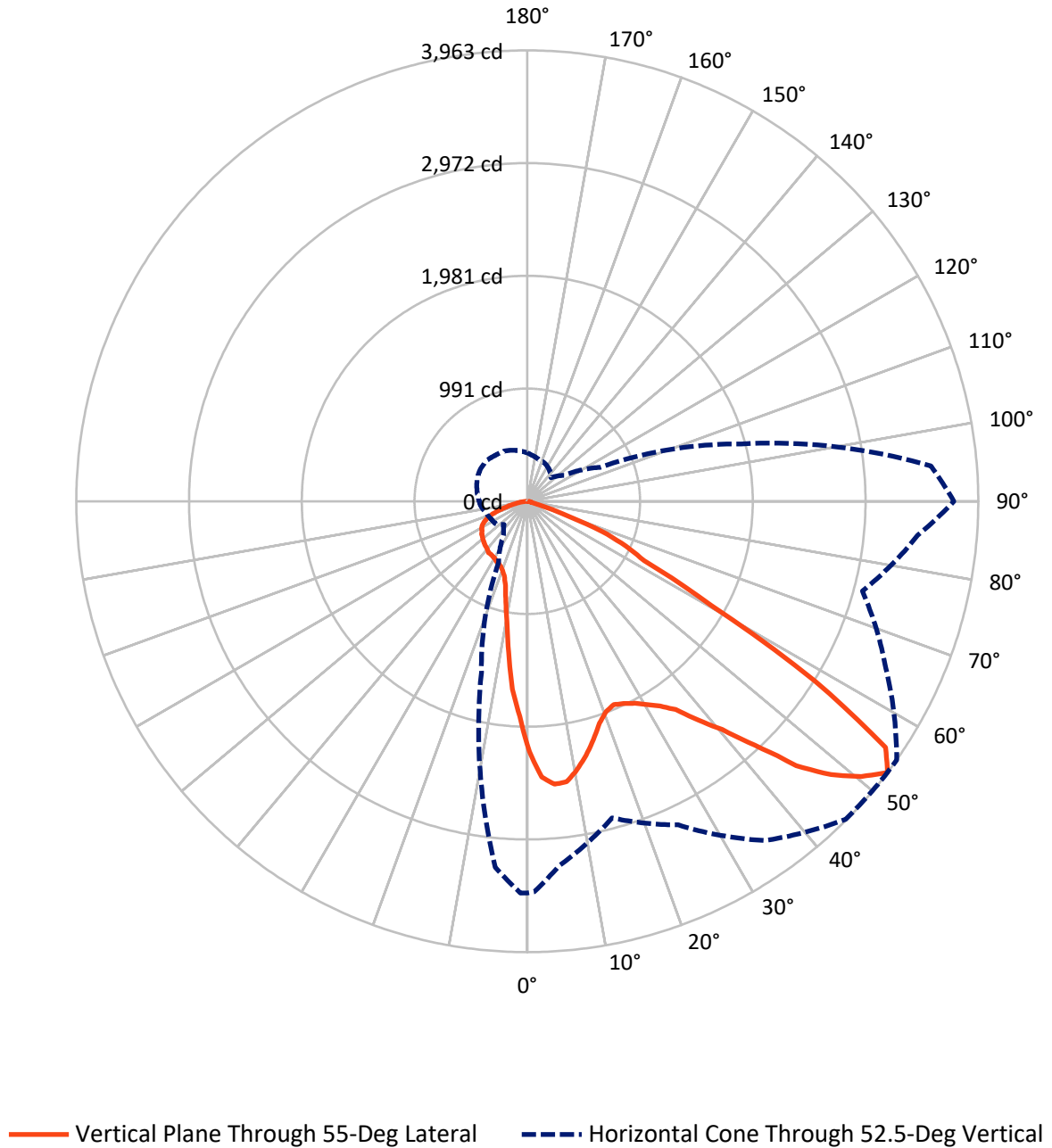
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1505.4	0.0	1505.4
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	3429.6	0.0	3429.6
	% Fixture	69.5	0.0	69.5
Total	Lumens	4935.0	0.0	4935.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	3.4
10°-20°	362.6	7.3
20°-30°	549.9	11.1
30°-40°	794.5	16.1
40°-50°	1061.6	21.5
50°-60°	1185.0	24.0
60°-70°	650.0	13.2
70°-80°	140.5	2.8
80°-90°	22.7	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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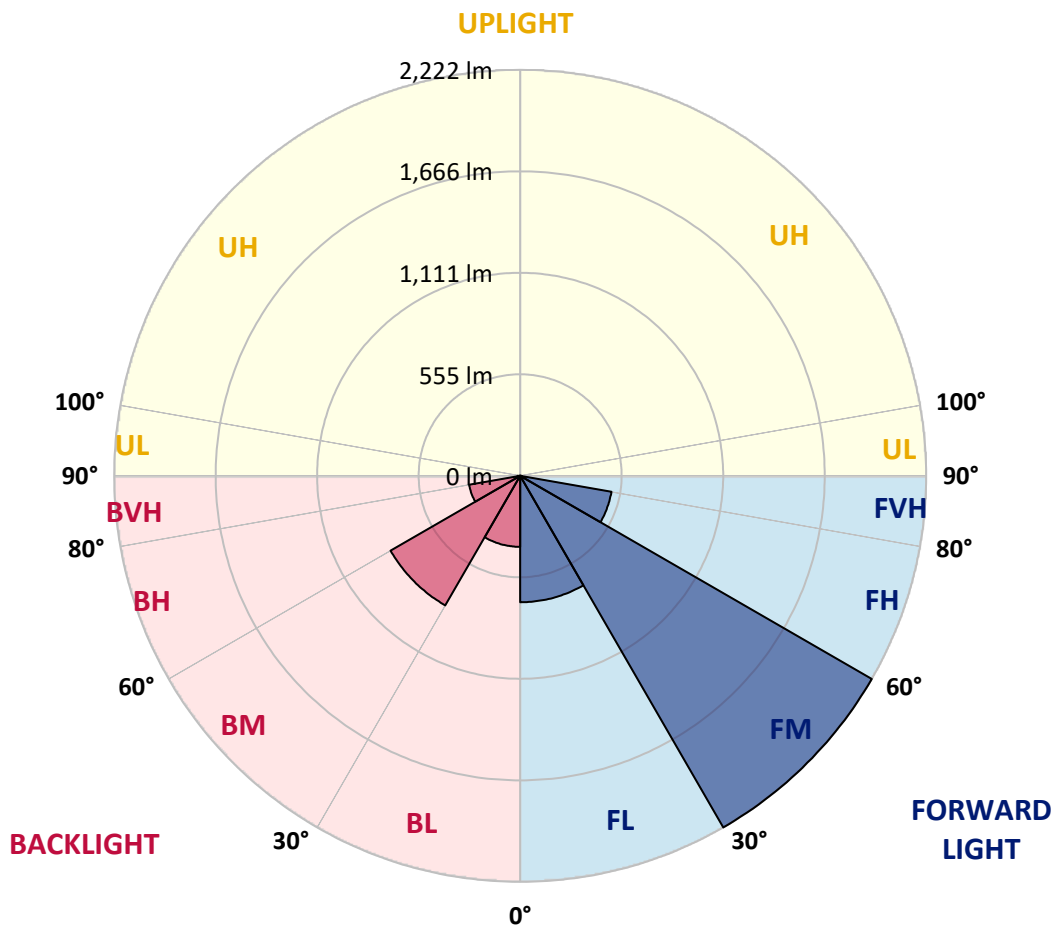
CATALOG NUMBER: GALN-SA1C-735-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	692.0	14.0			
FM (30°-60°)	2222.0	45.0			
FH (60°-80°)	507.2	10.3			G0/660
FVH (80°-90°)	8.4	0.2			G0/10
BL (0°-30°)	388.7	7.9	B1/500		
BM (30°-60°)	819.1	16.6	B1/1000		
BH (60°-80°)	283.4	5.7	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4
2.5°	2310.2	2297.2	2308.8	2363.5	2395.2	2416.8	2430.5	2428.4	2376.5	2326.1	2326.1
5°	2242.5	2225.9	2249.7	2373.6	2498.3	2509.1	2527.1	2497.6	2421.2	2328.9	2213.6
7.5°	2046.5	2058.7	2098.3	2261.2	2423.3	2504.8	2526.4	2488.9	2365.0	2192.7	2023.4
10°	1877.1	1906.0	1997.5	2173.3	2322.5	2428.4	2452.2	2399.6	2301.6	2090.4	1939.1
12.5°	1818.8	1800.7	1902.3	2078.2	2220.8	2277.8	2288.6	2292.2	2225.9	2038.5	1854.1
15°	1811.6	1823.1	1902.3	2035.7	2123.6	2126.5	2144.5	2172.6	2181.2	2073.8	1893.7
17.5°	1915.3	1901.6	1983.1	2089.0	2047.2	2005.4	2009.7	2050.1	2121.4	2104.1	2018.4
20°	2068.8	2099.8	2163.9	2153.1	2040.7	1934.8	1935.5	1973.7	2114.2	2229.5	2192.0
22.5°	2323.9	2354.2	2401.7	2271.3	2040.7	1913.9	1889.4	1941.3	2160.3	2378.7	2388.0
25°	2556.6	2612.1	2625.1	2471.6	2143.0	1933.3	1917.5	1968.6	2206.4	2524.2	2612.8
27.5°	2768.5	2788.7	2845.6	2600.6	2200.0	1946.3	1944.9	2010.4	2264.8	2597.0	2813.9
30°	2935.7	2933.5	2965.9	2682.0	2290.7	2019.1	1949.2	2073.1	2341.2	2717.3	2999.8
32.5°	3049.5	3074.0	3142.5	2795.2	2328.9	2088.3	2033.5	2146.6	2434.1	2774.3	3130.9
35°	3249.8	3292.4	3205.9	2857.8	2450.0	2156.7	2092.6	2246.8	2480.3	2836.2	3291.6
37.5°	3438.6	3406.2	3318.3	2891.7	2528.5	2283.5	2223.7	2440.6	2623.7	2971.0	3398.3
40°	3559.7	3559.0	3402.6	2919.1	2584.0	2477.4	2473.8	2637.3	2799.5	3056.0	3517.9
42.5°	3612.3	3662.7	3437.2	2916.2	2700.8	2712.3	2785.1	2931.3	2924.1	3073.3	3515.0
44°	3684.4	3714.6	3497.0	2922.7	2778.6	2870.8	3042.3	3135.3	3032.9	3063.9	3511.4
45°	3681.5	3683.6	3412.0	2931.3	2844.9	3003.4	3156.9	3314.0	3128.8	3043.8	3559.0
47.5°	3597.2	3572.7	3339.9	2867.2	3051.7	3353.6	3495.6	3590.7	3247.0	3000.5	3499.9
50°	3430.7	3402.6	3164.8	2839.8	3094.9	3571.2	3767.2	3801.8	3354.3	2958.0	3441.5
52.5°	3442.2	3434.3	3214.5	2880.9	3138.2	3639.7	3953.9	3962.5	3476.1	3047.4	3442.2
55°	3648.3	3620.9	3357.2	2932.1	3106.4	3559.7	3835.0	3819.8	3435.0	2993.3	3505.7
57.5°	3338.5	3356.5	3159.8	2729.6	2718.8	2893.9	3014.9	2977.5	2866.5	2701.5	3261.4
60°	2693.6	2744.7	2763.4	2282.8	2051.5	1961.4	1925.4	1859.1	1877.8	2219.4	2865.1
62.5°	2310.2	2307.3	2424.8	2069.5	1343.9	1155.8	1138.5	1153.7	1369.8	2184.8	2806.0
65°	1831.7	1880.7	1916.8	1753.9	1063.6	858.2	857.5	953.3	1185.4	1826.0	2265.5
67.5°	1163.0	1227.2	1271.8	1122.0	711.2	611.1	594.5	709.8	821.5	1197.6	1364.1
70°	655.7	686.0	706.2	647.1	452.5	317.1	298.3	325.7	496.5	775.4	808.5
72.5°	252.9	266.6	294.0	296.2	170.8	102.3	82.9	99.4	209.0	307.0	292.6
75°	38.9	41.8	59.1	70.6	49.0	37.5	39.6	41.1	58.4	79.3	66.3
77.5°	18.7	18.7	18.0	20.9	24.5	26.7	28.8	31.7	34.6	38.2	36.7
80°	12.2	12.2	12.2	14.4	18.0	21.6	24.5	25.9	27.4	30.3	28.8
82.5°	7.9	7.9	7.9	10.8	14.4	18.0	19.5	23.1	25.9	30.3	28.1
85°	4.3	4.3	4.3	7.2	10.8	15.1	14.4	11.5	6.5	0.7	1.4
87.5°	1.4	1.4	1.4	1.4	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°	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4
2.5°	2265.5	2232.4	2229.5	2161.8	2101.2	2071.7	2047.9	1981.6	1996.0	1957.8	1957.1
5°	2156.0	2088.3	1978.7	1888.7	1798.6	1780.6	1702.0	1633.6	1635.7	1586.7	1595.4
7.5°	1959.3	1912.4	1779.1	1637.9	1518.3	1433.2	1359.0	1314.3	1257.4	1238.0	1227.9
10°	1834.6	1777.0	1627.1	1449.8	1315.8	1270.4	1199.1	1159.4	1101.1	1072.2	1052.1
12.5°	1779.8	1695.5	1508.2	1328.0	1238.7	1191.9	1131.3	1059.3	990.1	963.4	926.7
15°	1785.6	1684.7	1473.6	1279.0	1171.7	1080.9	1026.8	946.9	876.2	829.4	802.7
17.5°	1872.8	1750.3	1489.5	1241.6	1087.4	973.5	867.6	781.1	724.9	689.6	681.0
20°	2078.9	1912.4	1516.1	1181.0	1003.1	861.1	730.7	640.6	597.4	596.6	597.4
22.5°	2250.4	2085.4	1570.2	1145.0	918.7	717.0	587.3	558.5	549.8	567.8	570.0
25°	2481.7	2279.9	1663.1	1126.3	840.9	611.1	531.1	520.3	519.5	542.6	543.3
27.5°	2718.8	2450.0	1718.6	1071.5	761.7	556.3	497.2	495.0	506.6	531.1	528.9
30°	2880.2	2592.7	1818.8	1005.9	668.0	508.0	483.5	486.4	502.2	521.0	523.9
32.5°	3068.3	2733.2	1844.7	969.9	610.3	467.7	450.4	456.9	477.0	506.6	522.4
35°	3283.7	2832.6	1884.3	920.9	588.7	436.7	428.0	435.2	459.7	479.2	496.5
37.5°	3443.0	3008.4	1891.5	882.7	564.9	419.4	405.7	429.5	443.9	471.3	479.9
40°	3561.1	3136.0	1910.3	858.9	546.2	397.0	397.0	412.9	432.4	457.6	474.9
42.5°	3636.8	3228.9	1924.0	837.3	510.2	390.6	387.0	402.8	428.7	453.2	461.2
44°	3682.9	3268.6	1910.3	817.1	500.1	382.6	382.6	396.3	416.5	445.3	454.7
45°	3694.4	3318.3	1880.0	816.4	487.8	373.3	371.8	397.8	411.5	446.8	452.5
47.5°	3739.1	3379.6	1883.6	793.4	458.3	350.9	376.1	387.7	399.9	430.9	450.4
50°	3737.7	3417.7	1875.7	759.5	436.7	325.7	367.5	380.5	392.7	424.4	432.4
52.5°	3747.8	3560.4	1948.5	705.5	397.8	293.3	338.7	367.5	382.6	409.3	425.9
55°	3742.7	3641.8	2020.5	665.1	343.0	273.8	314.2	348.0	369.7	397.8	405.7
57.5°	3418.5	3218.9	1869.9	589.4	283.9	250.8	279.6	327.9	355.2	384.1	394.2
60°	2793.0	2481.0	1542.1	433.8	233.5	230.6	260.1	321.4	332.9	358.1	375.4
62.5°	2581.1	2176.2	1222.8	331.5	199.6	211.1	240.0	290.4	308.4	339.4	355.2
65°	2019.8	1445.5	757.3	224.1	175.8	189.5	216.9	254.4	283.9	312.7	331.5
67.5°	1196.2	789.8	374.7	157.1	153.5	167.9	196.0	224.1	258.0	289.7	299.0
70°	651.4	388.4	160.0	119.6	130.4	143.4	170.8	190.2	222.7	247.2	263.0
72.5°	209.0	118.2	80.0	88.6	99.4	114.6	131.1	154.9	178.0	192.4	205.4
75°	50.4	49.7	56.9	62.0	72.1	83.6	97.3	109.5	127.5	141.2	152.8
77.5°	35.3	38.2	44.0	51.2	54.8	59.1	67.7	77.1	85.0	95.1	102.3
80°	27.4	29.5	33.9	37.5	41.1	44.7	49.0	52.6	57.6	64.1	67.7
82.5°	25.9	27.4	31.7	33.9	32.4	31.7	34.6	36.0	36.7	38.9	41.1
85°	2.2	0.0	1.4	5.0	12.2	18.0	19.5	19.5	18.7	20.2	20.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.9	2.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4
2.5°	1948.5	1924.0	1933.3	1944.9	1928.3	1890.1	1900.2	1895.9	1934.8	1931.9	1970.8
5°	1633.6	1595.4	1599.7	1655.9	1637.9	1657.3	1618.4	1613.4	1620.6	1624.2	1630.7
7.5°	1250.2	1245.2	1288.4	1336.0	1358.3	1335.2	1297.1	1288.4	1280.5	1264.6	1300.7
10°	1020.4	1021.8	1018.9	1054.9	1080.2	1075.1	1052.1	1049.2	1034.0	1028.3	1048.5
12.5°	910.8	891.4	882.0	870.5	889.9	902.9	892.8	885.6	886.3	893.5	896.4
15°	804.9	792.6	772.5	759.5	768.9	762.4	758.8	773.2	769.6	768.1	785.4
17.5°	686.0	696.1	694.6	680.2	692.5	687.4	686.7	676.6	662.9	652.9	658.6
20°	607.5	626.2	640.6	641.3	647.8	647.1	636.3	605.3	595.2	593.0	594.5
22.5°	579.4	589.4	606.7	631.2	631.2	619.7	606.7	570.7	561.3	551.2	546.9
25°	557.0	576.5	598.8	601.7	613.2	602.4	581.5	563.5	544.0	530.4	530.4
27.5°	545.5	567.1	583.7	588.7	604.6	595.9	574.3	551.2	528.2	527.5	515.2
30°	540.4	560.6	571.4	583.7	590.9	577.2	570.7	546.2	523.1	517.4	497.2
32.5°	525.3	554.1	574.3	571.4	577.2	571.4	562.1	541.9	515.9	503.0	500.8
35°	508.0	536.8	558.5	573.6	577.2	564.9	559.2	531.8	496.5	490.0	467.7
37.5°	498.6	515.9	542.6	567.1	572.1	565.7	546.2	518.1	482.8	475.6	456.1
40°	487.1	509.5	530.4	550.5	565.7	549.8	527.5	500.1	484.2	462.6	456.9
42.5°	478.5	503.7	521.0	543.3	560.6	539.7	513.8	495.0	472.7	458.3	441.7
44°	475.6	498.6	510.2	537.6	552.0	536.1	514.5	495.0	469.1	456.1	441.7
45°	465.5	497.2	509.5	534.0	546.2	533.2	505.9	486.4	467.7	451.8	436.7
47.5°	455.4	477.0	497.9	517.4	526.0	521.7	498.6	474.9	452.5	443.2	428.7
50°	452.5	474.1	493.6	511.6	521.7	513.1	492.2	469.1	443.2	428.0	415.8
52.5°	438.1	464.8	486.4	492.2	505.1	500.1	484.2	459.0	434.5	421.5	411.5
55°	417.2	445.3	474.9	482.1	500.8	492.9	469.1	445.3	424.4	405.0	392.0
57.5°	409.3	436.7	465.5	474.9	486.4	473.4	467.7	442.4	409.3	399.2	379.0
60°	389.1	423.7	447.5	469.1	469.8	466.2	456.1	427.3	399.9	381.2	366.8
62.5°	373.3	405.7	424.4	444.6	456.9	446.8	436.7	410.0	380.5	359.6	343.0
65°	350.2	379.7	395.6	407.9	421.5	420.1	402.8	383.4	352.4	335.8	319.9
67.5°	314.9	340.8	362.5	374.0	382.6	380.5	367.5	353.8	322.1	305.5	294.0
70°	272.4	299.0	312.7	319.2	327.9	332.2	322.1	315.6	287.5	265.9	255.1
72.5°	219.1	236.4	256.5	262.3	265.9	268.8	268.8	263.0	234.2	225.5	206.8
75°	161.4	175.1	190.2	190.2	196.7	197.4	198.9	195.3	173.7	162.1	157.8
77.5°	109.5	119.6	131.9	136.9	141.2	140.5	139.8	129.7	118.2	113.1	108.8
80°	71.3	81.4	87.2	93.7	98.0	97.3	98.7	91.5	86.5	77.8	79.3
82.5°	42.5	50.4	56.2	64.1	64.1	66.3	66.3	64.1	59.1	54.8	54.8
85°	20.2	26.7	30.3	35.3	38.2	38.9	34.6	29.5	24.5	22.3	24.5
87.5°	3.6	5.0	7.2	6.5	7.9	7.2	7.2	7.2	7.2	5.8	6.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4	2201.4
2.5°	1956.4	1992.4	2017.6	2059.4	2131.5	2189.1	2248.2	2292.2	2297.2	2310.2
5°	1654.5	1673.9	1738.1	1821.6	1880.7	1978.0	2040.7	2154.6	2197.1	2242.5
7.5°	1292.0	1323.7	1409.5	1465.7	1595.4	1717.2	1843.3	1983.8	2040.0	2046.5
10°	1089.5	1135.6	1194.0	1284.1	1354.7	1490.2	1647.3	1803.6	1866.3	1877.1
12.5°	956.9	1016.0	1093.9	1158.7	1226.4	1344.6	1495.2	1688.3	1769.8	1818.8
15°	829.4	890.6	976.4	1066.5	1126.3	1267.5	1444.8	1662.4	1768.3	1811.6
17.5°	698.2	755.2	825.8	923.1	1043.4	1201.9	1436.8	1748.9	1864.9	1915.3
20°	585.8	617.5	699.7	799.9	950.5	1134.9	1439.7	1876.4	2046.5	2068.8
22.5°	541.9	549.1	581.5	673.7	838.8	1066.5	1490.9	2057.3	2250.4	2323.9
25°	508.0	506.6	515.2	577.2	757.3	1039.8	1541.3	2223.7	2476.7	2556.6
27.5°	489.3	474.9	475.6	534.0	699.7	996.6	1606.2	2414.7	2733.2	2768.5
30°	479.9	477.0	468.4	492.2	637.0	931.7	1617.0	2602.8	2884.5	2935.7
32.5°	474.1	446.0	435.2	443.9	577.9	861.1	1657.3	2726.7	3071.9	3049.5
35°	445.3	420.1	412.9	421.5	536.1	821.5	1630.7	2834.8	3212.4	3249.8
37.5°	434.5	412.2	397.8	390.6	497.2	788.3	1617.0	3001.2	3348.6	3438.6
40°	424.4	400.6	383.4	376.1	466.9	744.4	1612.7	3129.5	3505.7	3559.7
42.5°	412.9	397.8	378.3	365.3	430.2	700.4	1563.0	3169.1	3553.9	3612.3
44°	409.3	386.2	366.1	361.7	415.8	678.1	1552.9	3205.2	3595.7	3684.4
45°	405.7	384.1	361.0	355.2	410.7	665.8	1539.2	3213.8	3664.9	3681.5
47.5°	395.6	381.9	359.6	343.7	399.9	639.2	1498.1	3164.8	3594.3	3597.2
50°	387.7	371.8	348.8	317.8	385.5	616.8	1516.8	3146.8	3424.2	3430.7
52.5°	379.0	355.2	342.3	289.0	361.7	598.1	1556.5	3228.2	3443.7	3442.2
55°	368.9	343.0	311.3	264.5	322.1	574.3	1652.3	3388.9	3623.8	3648.3
57.5°	353.1	330.7	285.4	242.8	276.7	528.9	1621.3	3081.2	3334.2	3338.5
60°	332.2	311.3	258.7	226.3	227.0	417.2	1449.8	2401.0	2630.9	2693.6
62.5°	312.0	300.5	236.4	202.5	193.1	332.2	1225.7	1995.3	2258.3	2310.2
65°	288.2	260.1	216.9	184.5	165.7	232.7	868.3	1490.9	1761.8	1831.7
67.5°	258.0	227.7	191.0	162.1	142.0	155.6	448.2	847.4	1122.0	1163.0
70°	225.5	197.4	160.7	136.9	114.6	107.4	197.4	404.2	613.2	655.7
72.5°	185.2	159.2	128.3	108.1	85.7	74.2	66.3	108.1	217.6	252.9
75°	134.0	116.0	96.6	77.1	60.5	47.6	38.9	32.4	36.0	38.9
77.5°	98.7	84.3	71.3	54.8	42.5	33.9	26.7	20.2	19.5	18.7
80°	77.1	68.5	56.9	44.0	33.1	25.2	18.7	13.7	12.2	12.2
82.5°	60.5	56.2	46.8	36.0	27.4	20.2	13.7	9.4	7.9	7.9
85°	23.1	23.1	33.9	29.5	20.9	14.4	9.4	5.0	4.3	4.3
87.5°	5.8	5.8	5.8	5.8	5.0	4.3	4.3	2.2	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

(END OF REPORT)