

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: P526546

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526546
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-730-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 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: 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 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

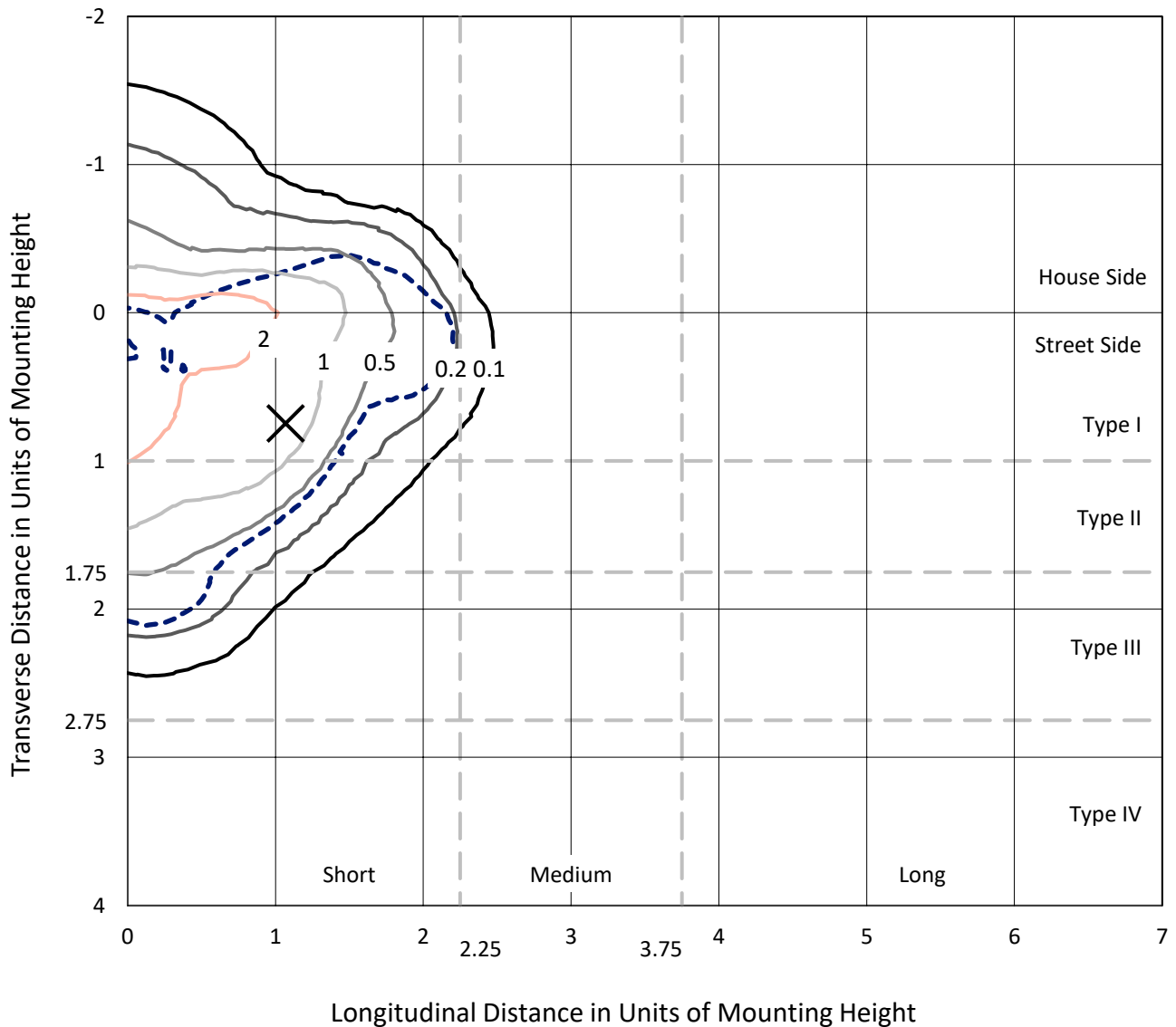




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Iso-Footcandle Lines of Horizontal Illumination

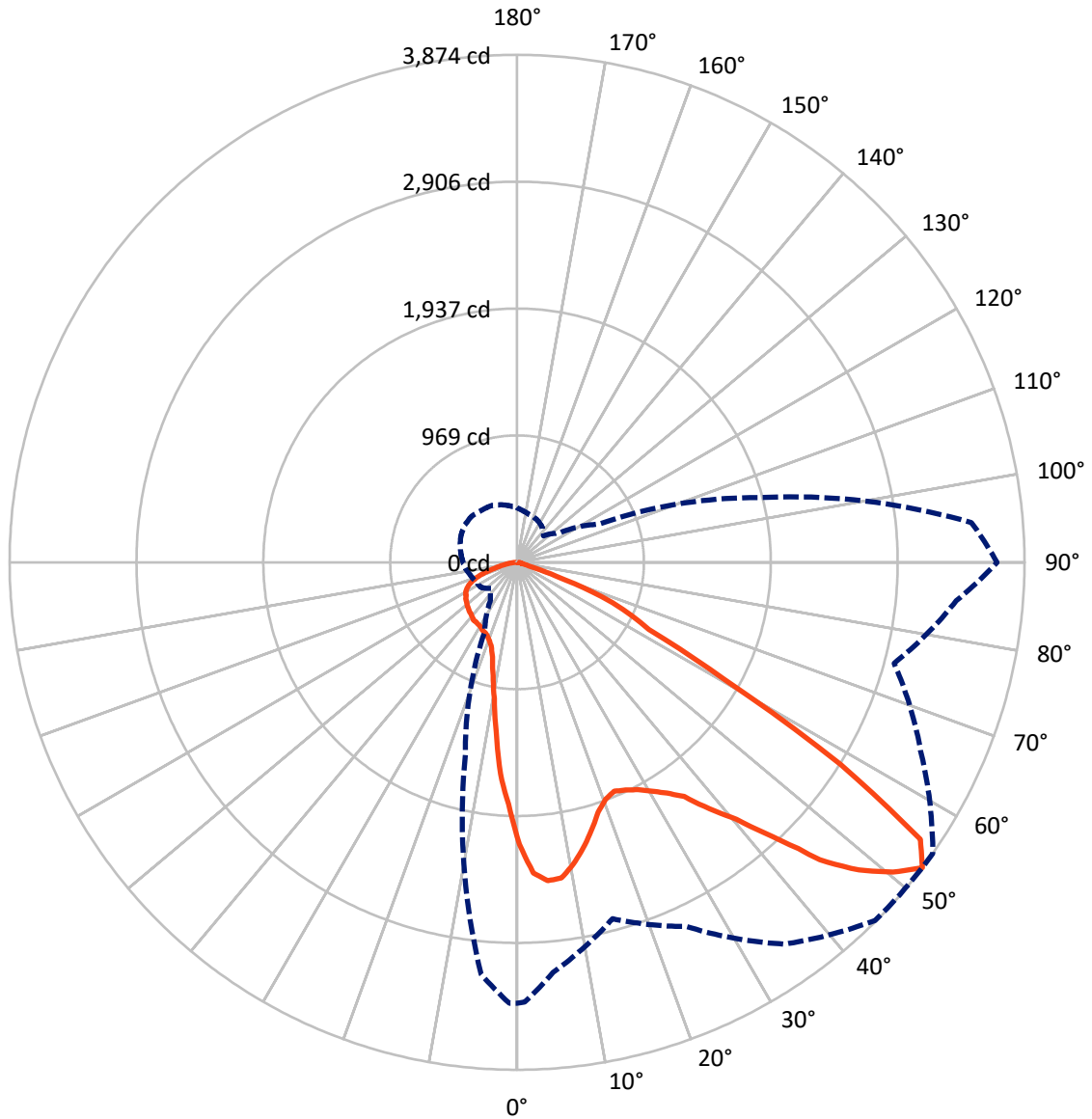
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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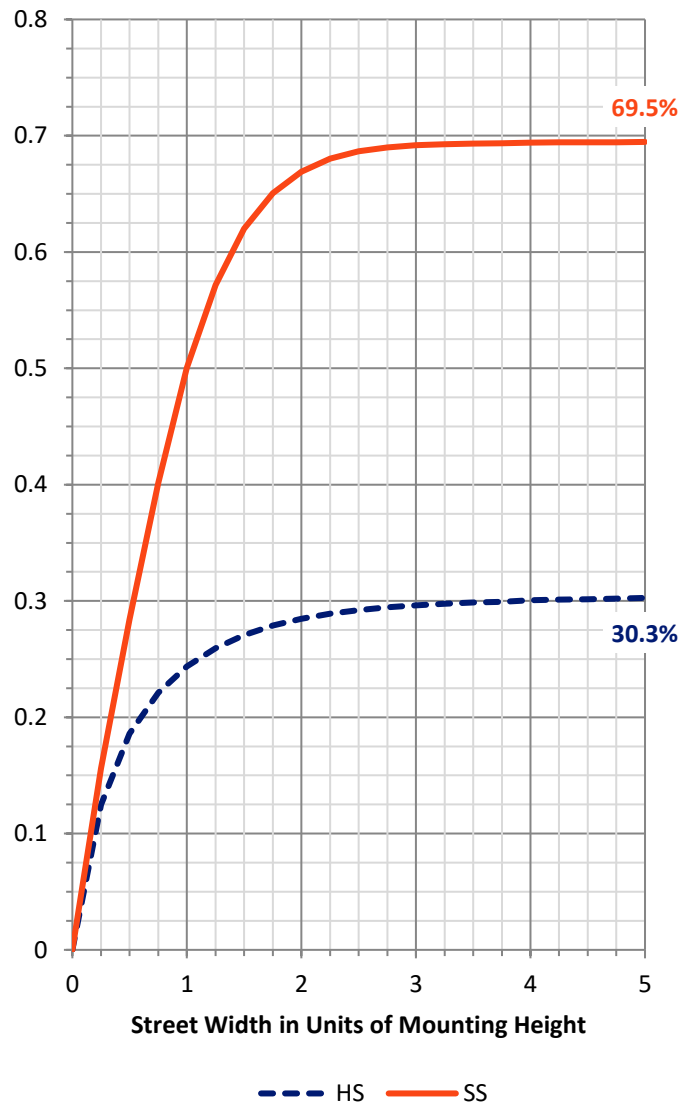
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1471.9	0.0	1471.9
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	3353.1	0.0	3353.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	4825.0	0.0	4825.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.4	3.4
10°-20°	354.5	7.3
20°-30°	537.6	11.1
30°-40°	776.7	16.1
40°-50°	1037.9	21.5
50°-60°	1158.6	24.0
60°-70°	635.5	13.2
70°-80°	137.4	2.8
80°-90°	22.2	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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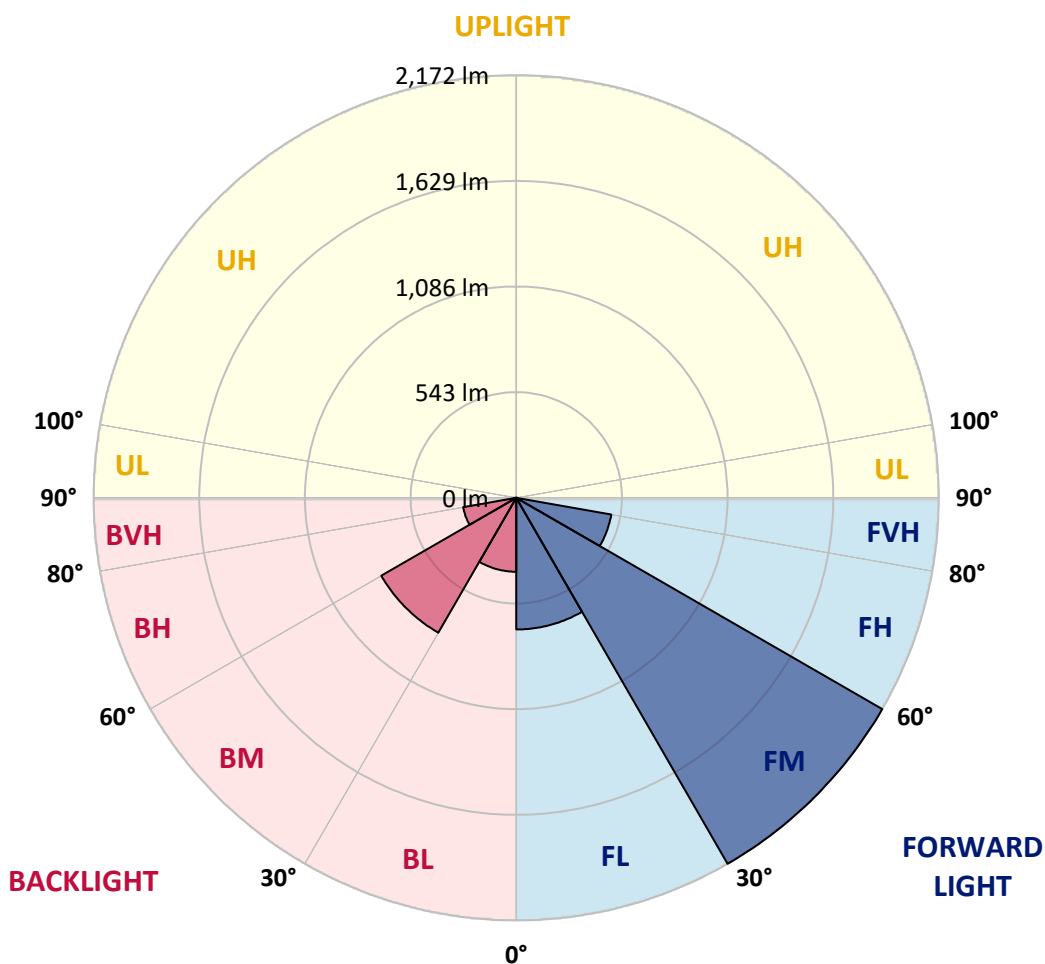
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	676.6	14.0			
FM (30°-60°)	2172.4	45.0			
FH (60°-80°)	495.9	10.3			G0/660
FVH (80°-90°)	8.2	0.2			G0/10
BL (0°-30°)	380.0	7.9	B1/500		
BM (30°-60°)	800.8	16.6	B1/1000		
BH (60°-80°)	277.0	5.7	B1/500		G1/500
BVH (80°-90°)	14.0	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°	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3
2.5°	2258.7	2246.0	2257.3	2310.8	2341.8	2363.0	2376.4	2374.2	2323.5	2274.2	2274.2
5°	2192.5	2176.3	2199.5	2320.7	2442.6	2453.2	2470.8	2441.9	2367.2	2277.0	2164.3
7.5°	2000.9	2012.8	2051.6	2210.8	2369.3	2448.9	2470.1	2433.4	2312.3	2143.9	1978.3
10°	1835.3	1863.5	1952.9	2124.8	2270.7	2374.2	2397.5	2346.1	2250.3	2043.8	1895.9
12.5°	1778.2	1760.6	1859.9	2031.8	2171.3	2227.0	2237.6	2241.1	2176.3	1993.1	1812.7
15°	1771.2	1782.4	1859.9	1990.3	2076.2	2079.1	2096.7	2124.1	2132.6	2027.6	1851.5
17.5°	1872.6	1859.2	1938.9	2042.4	2001.6	1960.7	1964.9	2004.4	2074.1	2057.2	1973.4
20°	2022.7	2053.0	2115.7	2105.1	1995.2	1891.6	1892.4	1929.7	2067.1	2179.8	2143.2
22.5°	2272.1	2301.7	2348.2	2220.7	1995.2	1871.2	1847.3	1898.0	2112.2	2325.6	2334.8
25°	2499.7	2553.9	2566.6	2416.5	2095.3	1890.2	1874.7	1924.8	2157.3	2468.0	2554.6
27.5°	2706.8	2726.5	2782.2	2542.6	2150.9	1902.9	1901.5	1965.6	2214.3	2539.1	2751.2
30°	2870.2	2868.1	2899.8	2622.2	2239.7	1974.1	1905.7	2026.9	2289.0	2656.8	2932.9
32.5°	2981.5	3005.5	3072.4	2732.9	2277.0	2041.7	1988.2	2098.8	2379.9	2712.4	3061.2
35°	3177.4	3219.0	3134.4	2794.1	2395.4	2108.6	2045.9	2196.7	2425.0	2773.0	3218.3
37.5°	3362.0	3330.3	3244.3	2827.3	2472.2	2232.6	2174.2	2386.2	2565.2	2904.8	3322.5
40°	3480.4	3479.6	3326.8	2854.0	2526.4	2422.2	2418.6	2578.6	2737.1	2987.9	3439.5
42.5°	3531.8	3581.1	3360.6	2851.2	2640.6	2651.8	2723.0	2866.0	2859.0	3004.8	3436.7
44°	3602.2	3631.8	3419.1	2857.6	2716.6	2806.8	2974.5	3065.4	2965.3	2995.6	3433.1
45°	3599.4	3601.5	3335.9	2866.0	2781.5	2936.5	3086.5	3240.1	3059.0	2975.9	3479.6
47.5°	3517.0	3493.0	3265.5	2803.3	2983.7	3278.9	3417.6	3510.6	3174.6	2933.6	3421.9
50°	3354.2	3326.8	3094.3	2776.5	3025.9	3491.6	3683.3	3717.1	3279.6	2892.1	3364.8
52.5°	3365.5	3357.8	3142.9	2816.7	3068.2	3558.6	3865.7	3874.2	3398.6	2979.4	3365.5
55°	3567.0	3540.2	3282.4	2866.7	3037.2	3480.4	3749.5	3734.7	3358.5	2926.6	3427.5
57.5°	3264.1	3281.7	3089.3	2668.7	2658.2	2829.4	2947.7	2911.1	2802.6	2641.3	3188.7
60°	2633.5	2683.5	2701.9	2231.9	2005.8	1917.7	1882.5	1817.7	1836.0	2169.9	2801.2
62.5°	2258.7	2255.9	2370.7	2023.4	1313.9	1130.1	1113.1	1127.9	1339.3	2136.1	2743.4
65°	1790.9	1838.8	1874.0	1714.8	1039.9	839.1	838.4	932.1	1158.9	1785.3	2215.0
67.5°	1137.1	1199.8	1243.5	1096.9	695.4	597.4	581.2	694.0	803.2	1170.9	1333.7
70°	641.1	670.7	690.4	632.7	442.4	310.0	291.7	318.4	485.4	758.1	790.5
72.5°	247.3	260.7	287.4	289.6	167.0	100.0	81.0	97.2	204.3	300.1	286.0
75°	38.0	40.9	57.8	69.0	47.9	36.6	38.7	40.2	57.1	77.5	64.8
77.5°	18.3	18.3	17.6	20.4	24.0	26.1	28.2	31.0	33.8	37.3	35.9
80°	12.0	12.0	12.0	14.1	17.6	21.1	24.0	25.4	26.8	29.6	28.2
82.5°	7.7	7.7	7.7	10.6	14.1	17.6	19.0	22.5	25.4	29.6	27.5
85°	4.2	4.2	4.2	7.0	10.6	14.8	14.1	11.3	6.3	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°	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3
2.5°	2215.0	2182.6	2179.8	2113.6	2054.4	2025.5	2002.3	1937.4	1951.5	1914.2	1913.5
5°	2107.9	2041.7	1934.6	1846.6	1758.5	1740.9	1664.1	1597.2	1599.3	1551.4	1559.8
7.5°	1915.6	1869.8	1739.5	1601.4	1484.4	1401.3	1328.7	1285.1	1229.4	1210.4	1200.5
10°	1793.7	1737.4	1590.8	1417.5	1286.5	1242.1	1172.3	1133.6	1076.5	1048.3	1028.6
12.5°	1740.2	1657.7	1474.6	1298.4	1211.1	1165.3	1106.1	1035.7	968.0	941.9	906.0
15°	1745.8	1647.2	1440.8	1250.5	1145.6	1056.8	1003.9	925.7	856.7	810.9	784.8
17.5°	1831.1	1711.3	1456.3	1213.9	1063.1	951.8	848.2	763.7	708.8	674.2	665.8
20°	2032.6	1869.8	1482.3	1154.7	980.7	841.9	714.4	626.3	584.1	583.3	584.1
22.5°	2200.2	2038.9	1535.2	1119.5	898.3	701.0	574.2	546.0	537.6	555.2	557.3
25°	2426.4	2229.1	1626.0	1101.2	822.2	597.4	519.2	508.7	508.0	530.5	531.2
27.5°	2658.2	2395.4	1680.3	1047.6	744.7	543.9	486.1	484.0	495.3	519.2	517.1
30°	2816.0	2534.9	1778.2	983.5	653.1	496.7	472.7	475.6	491.1	509.4	512.2
32.5°	2999.9	2672.3	1803.6	948.3	596.7	457.2	440.3	446.7	466.4	495.3	510.8
35°	3210.5	2769.5	1842.3	900.4	575.6	426.9	418.5	425.5	449.5	468.5	485.4
37.5°	3366.2	2941.4	1849.4	863.0	552.3	410.0	396.6	419.9	434.0	460.8	469.2
40°	3481.8	3066.1	1867.7	839.8	534.0	388.2	388.2	403.7	422.7	447.4	464.3
42.5°	3555.7	3157.0	1881.1	818.7	498.8	381.9	378.3	393.8	419.2	443.1	450.9
44°	3600.8	3195.7	1867.7	798.9	488.9	374.1	374.1	387.5	407.2	435.4	444.6
45°	3612.1	3244.3	1838.1	798.2	477.0	364.9	363.5	388.9	402.3	436.8	442.4
47.5°	3655.8	3304.2	1841.6	775.7	448.1	343.1	367.8	379.0	391.0	421.3	440.3
50°	3654.4	3341.6	1833.9	742.6	426.9	318.4	359.3	372.0	384.0	415.0	422.7
52.5°	3664.2	3481.1	1905.0	689.7	388.9	286.7	331.1	359.3	374.1	400.2	416.4
55°	3659.3	3560.7	1975.5	650.3	335.4	267.7	307.2	340.3	361.4	388.9	396.6
57.5°	3342.3	3147.1	1828.2	576.3	277.6	245.2	273.4	320.6	347.3	375.5	385.4
60°	2730.7	2425.7	1507.7	424.1	228.3	225.4	254.3	314.2	325.5	350.1	367.1
62.5°	2523.6	2127.7	1195.6	324.1	195.2	206.4	234.6	283.9	301.5	331.8	347.3
65°	1974.8	1413.3	740.5	219.1	171.9	185.3	212.1	248.7	277.6	305.8	324.1
67.5°	1169.5	772.2	366.4	153.6	150.1	164.2	191.6	219.1	252.2	283.2	292.4
70°	636.9	379.7	156.4	117.0	127.5	140.2	167.0	186.0	217.7	241.7	257.2
72.5°	204.3	115.5	78.2	86.7	97.2	112.0	128.2	151.5	174.0	188.1	200.8
75°	49.3	48.6	55.7	60.6	70.5	81.7	95.1	107.1	124.7	138.1	149.4
77.5°	34.5	37.3	43.0	50.0	53.5	57.8	66.2	75.4	83.1	93.0	100.0
80°	26.8	28.9	33.1	36.6	40.2	43.7	47.9	51.4	56.4	62.7	66.2
82.5°	25.4	26.8	31.0	33.1	31.7	31.0	33.8	35.2	35.9	38.0	40.2
85°	2.1	0.0	1.4	4.9	12.0	17.6	19.0	19.0	18.3	19.7	19.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.8	2.1
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°	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3
2.5°	1905.0	1881.1	1890.2	1901.5	1885.3	1848.0	1857.8	1853.6	1891.6	1888.8	1926.9
5°	1597.2	1559.8	1564.0	1619.0	1601.4	1620.4	1582.4	1577.4	1584.5	1588.0	1594.3
7.5°	1222.4	1217.4	1259.7	1306.2	1328.0	1305.5	1268.1	1259.7	1251.9	1236.4	1271.7
10°	997.6	999.0	996.2	1031.4	1056.1	1051.2	1028.6	1025.8	1011.0	1005.4	1025.1
12.5°	890.5	871.5	862.3	851.1	870.1	882.8	872.9	865.9	866.6	873.6	876.4
15°	787.0	775.0	755.3	742.6	751.7	745.4	741.9	756.0	752.4	751.0	767.9
17.5°	670.7	680.6	679.2	665.1	677.0	672.1	671.4	661.5	648.2	638.3	643.9
20°	593.9	612.2	626.3	627.0	633.4	632.7	622.1	591.8	581.9	579.8	581.2
22.5°	566.4	576.3	593.2	617.2	617.2	605.9	593.2	558.0	548.8	539.0	534.7
25°	544.6	563.6	585.5	588.3	599.6	589.0	568.6	550.9	531.9	518.5	518.5
27.5°	533.3	554.5	570.7	575.6	591.1	582.6	561.5	539.0	516.4	515.7	503.7
30°	528.4	548.1	558.7	570.7	577.7	564.3	558.0	534.0	511.5	505.8	486.1
32.5°	513.6	541.8	561.5	558.7	564.3	558.7	549.5	529.8	504.4	491.8	489.6
35°	496.7	524.9	546.0	560.8	564.3	552.3	546.7	519.9	485.4	479.1	457.2
37.5°	487.5	504.4	530.5	554.5	559.4	553.1	534.0	506.6	472.0	465.0	446.0
40°	476.3	498.1	518.5	538.3	553.1	537.6	515.7	488.9	473.4	452.3	446.7
42.5°	467.8	492.5	509.4	531.2	548.1	527.7	502.3	484.0	462.2	448.1	431.9
44°	465.0	487.5	498.8	525.6	539.7	524.2	503.0	484.0	458.6	446.0	431.9
45°	455.1	486.1	498.1	522.1	534.0	521.3	494.6	475.6	457.2	441.7	426.9
47.5°	445.3	466.4	486.8	505.8	514.3	510.1	487.5	464.3	442.4	433.3	419.2
50°	442.4	463.6	482.6	500.2	510.1	501.6	481.2	458.6	433.3	418.5	406.5
52.5°	428.4	454.4	475.6	481.2	493.9	488.9	473.4	448.8	424.8	412.1	402.3
55°	407.9	435.4	464.3	471.3	489.6	481.9	458.6	435.4	415.0	395.9	383.3
57.5°	400.2	426.9	455.1	464.3	475.6	462.9	457.2	432.6	400.2	390.3	370.6
60°	380.4	414.3	437.5	458.6	459.4	455.8	446.0	417.8	391.0	372.7	358.6
62.5°	364.9	396.6	415.0	434.7	446.7	436.8	426.9	400.9	372.0	351.6	335.4
65°	342.4	371.3	386.8	398.8	412.1	410.7	393.8	374.8	344.5	328.3	312.8
67.5°	307.9	333.2	354.4	365.6	374.1	372.0	359.3	345.9	314.9	298.7	287.4
70°	266.3	292.4	305.8	312.1	320.6	324.8	314.9	308.6	281.1	260.0	249.4
72.5°	214.2	231.1	250.8	256.4	260.0	262.8	262.8	257.2	229.0	220.5	202.2
75°	157.8	171.2	186.0	186.0	192.3	193.0	194.4	190.9	169.8	158.5	154.3
77.5°	107.1	117.0	128.9	133.9	138.1	137.4	136.7	126.8	115.5	110.6	106.4
80°	69.7	79.6	85.2	91.6	95.8	95.1	96.5	89.5	84.5	76.1	77.5
82.5°	41.6	49.3	55.0	62.7	62.7	64.8	64.8	62.7	57.8	53.5	53.5
85°	19.7	26.1	29.6	34.5	37.3	38.0	33.8	28.9	24.0	21.8	24.0
87.5°	3.5	4.9	7.0	6.3	7.7	7.0	7.0	7.0	7.0	5.6	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3	2152.3
2.5°	1912.8	1948.0	1972.7	2013.5	2084.0	2140.3	2198.1	2241.1	2246.0	2258.7
5°	1617.6	1636.6	1699.3	1781.0	1838.8	1933.9	1995.2	2106.5	2148.1	2192.5
7.5°	1263.2	1294.2	1378.1	1433.0	1559.8	1678.9	1802.2	1939.6	1994.5	2000.9
10°	1065.2	1110.3	1167.4	1255.5	1324.5	1457.0	1610.5	1763.4	1824.7	1835.3
12.5°	935.6	993.4	1069.5	1132.9	1199.1	1314.6	1461.9	1650.7	1730.3	1778.2
15°	810.9	870.8	954.6	1042.7	1101.2	1239.3	1412.6	1625.3	1728.9	1771.2
17.5°	682.7	738.3	807.4	902.5	1020.2	1175.1	1404.8	1709.9	1823.3	1872.6
20°	572.8	603.8	684.1	782.0	929.3	1109.6	1407.6	1834.6	2000.9	2022.7
22.5°	529.8	536.8	568.6	658.7	820.1	1042.7	1457.7	2011.4	2200.2	2272.1
25°	496.7	495.3	503.7	564.3	740.5	1016.6	1507.0	2174.2	2421.5	2499.7
27.5°	478.4	464.3	465.0	522.1	684.1	974.4	1570.4	2360.9	2672.3	2706.8
30°	469.2	466.4	457.9	481.2	622.8	911.0	1581.0	2544.7	2820.2	2870.2
32.5°	463.6	436.1	425.5	434.0	565.0	841.9	1620.4	2665.9	3003.4	2981.5
35°	435.4	410.7	403.7	412.1	524.2	803.2	1594.3	2771.6	3140.8	3177.4
37.5°	424.8	403.0	388.9	381.9	486.1	770.8	1581.0	2934.3	3273.9	3362.0
40°	415.0	391.7	374.8	367.8	456.5	727.8	1576.7	3059.8	3427.5	3480.4
42.5°	403.7	388.9	369.9	357.2	420.6	684.8	1528.1	3098.5	3474.7	3531.8
44°	400.2	377.6	357.9	353.7	406.5	663.0	1518.3	3133.7	3515.6	3602.2
45°	396.6	375.5	353.0	347.3	401.6	651.0	1504.9	3142.2	3583.2	3599.4
47.5°	386.8	373.4	351.6	336.1	391.0	624.9	1464.7	3094.3	3514.2	3517.0
50°	379.0	363.5	341.0	310.7	376.9	603.1	1483.0	3076.7	3347.9	3354.2
52.5°	370.6	347.3	334.6	282.5	353.7	584.8	1521.8	3156.3	3366.9	3365.5
55°	360.7	335.4	304.4	258.6	314.9	561.5	1615.5	3313.4	3543.1	3567.0
57.5°	345.2	323.4	279.0	237.4	270.5	517.1	1585.2	3012.5	3259.8	3264.1
60°	324.8	304.4	252.9	221.2	221.9	407.9	1417.5	2347.5	2572.2	2633.5
62.5°	305.1	293.8	231.1	198.0	188.8	324.8	1198.4	1950.8	2208.0	2258.7
65°	281.8	254.3	212.1	180.4	162.0	227.6	849.0	1457.7	1722.6	1790.9
67.5°	252.2	222.6	186.7	158.5	138.8	152.2	438.2	828.5	1096.9	1137.1
70°	220.5	193.0	157.1	133.9	112.0	105.0	193.0	395.2	599.6	641.1
72.5°	181.1	155.7	125.4	105.7	83.8	72.6	64.8	105.7	212.8	247.3
75°	131.0	113.4	94.4	75.4	59.2	46.5	38.0	31.7	35.2	38.0
77.5°	96.5	82.4	69.7	53.5	41.6	33.1	26.1	19.7	19.0	18.3
80°	75.4	66.9	55.7	43.0	32.4	24.7	18.3	13.4	12.0	12.0
82.5°	59.2	55.0	45.8	35.2	26.8	19.7	13.4	9.2	7.7	7.7
85°	22.5	22.5	33.1	28.9	20.4	14.1	9.2	4.9	4.2	4.2
87.5°	5.6	5.6	5.6	5.6	4.9	4.2	4.2	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

(END OF REPORT)