

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: P533098

Luminaire Tested: **GALN-SA8C-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533098
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-SA8C-730-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH 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: 38505 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

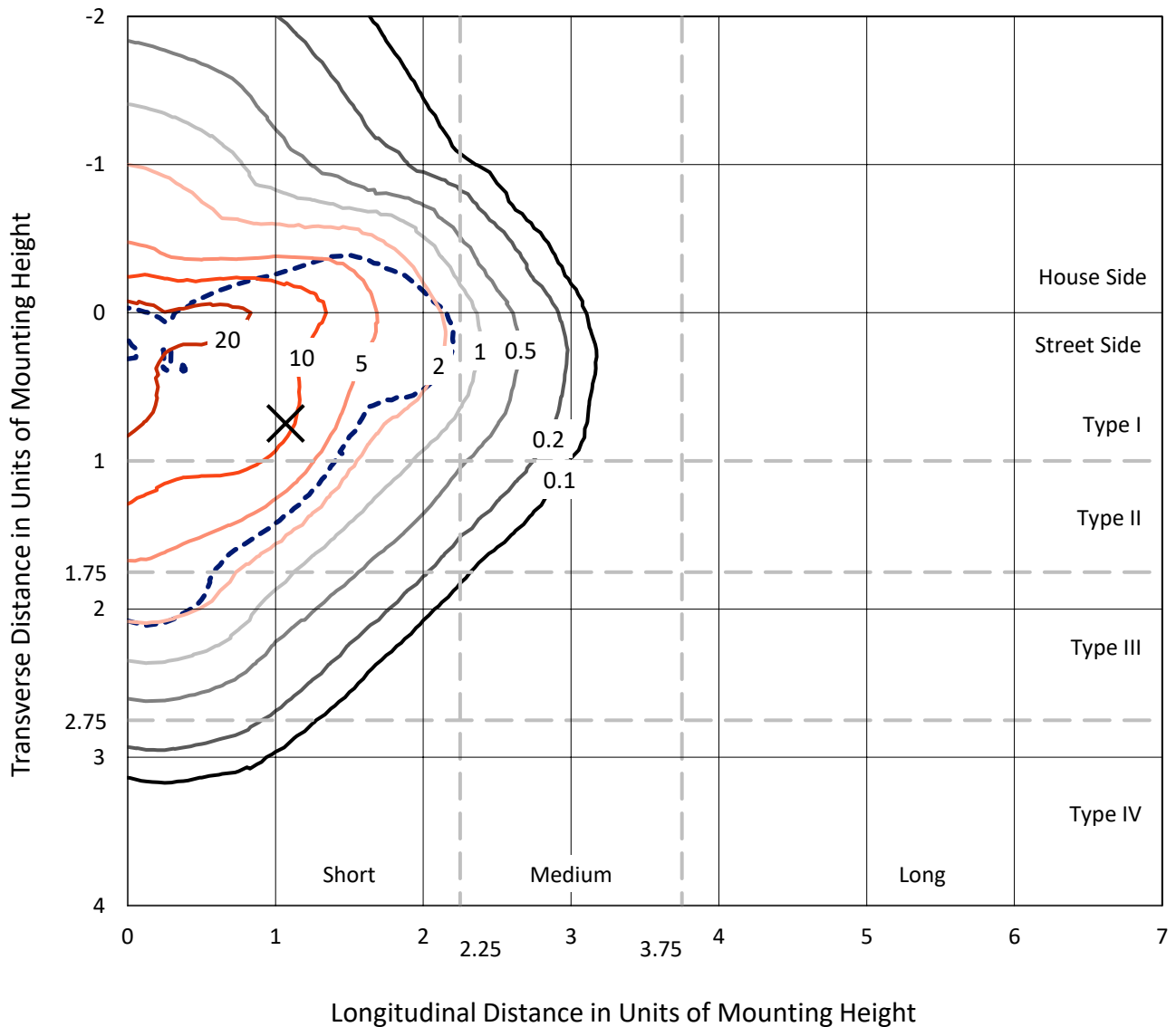
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

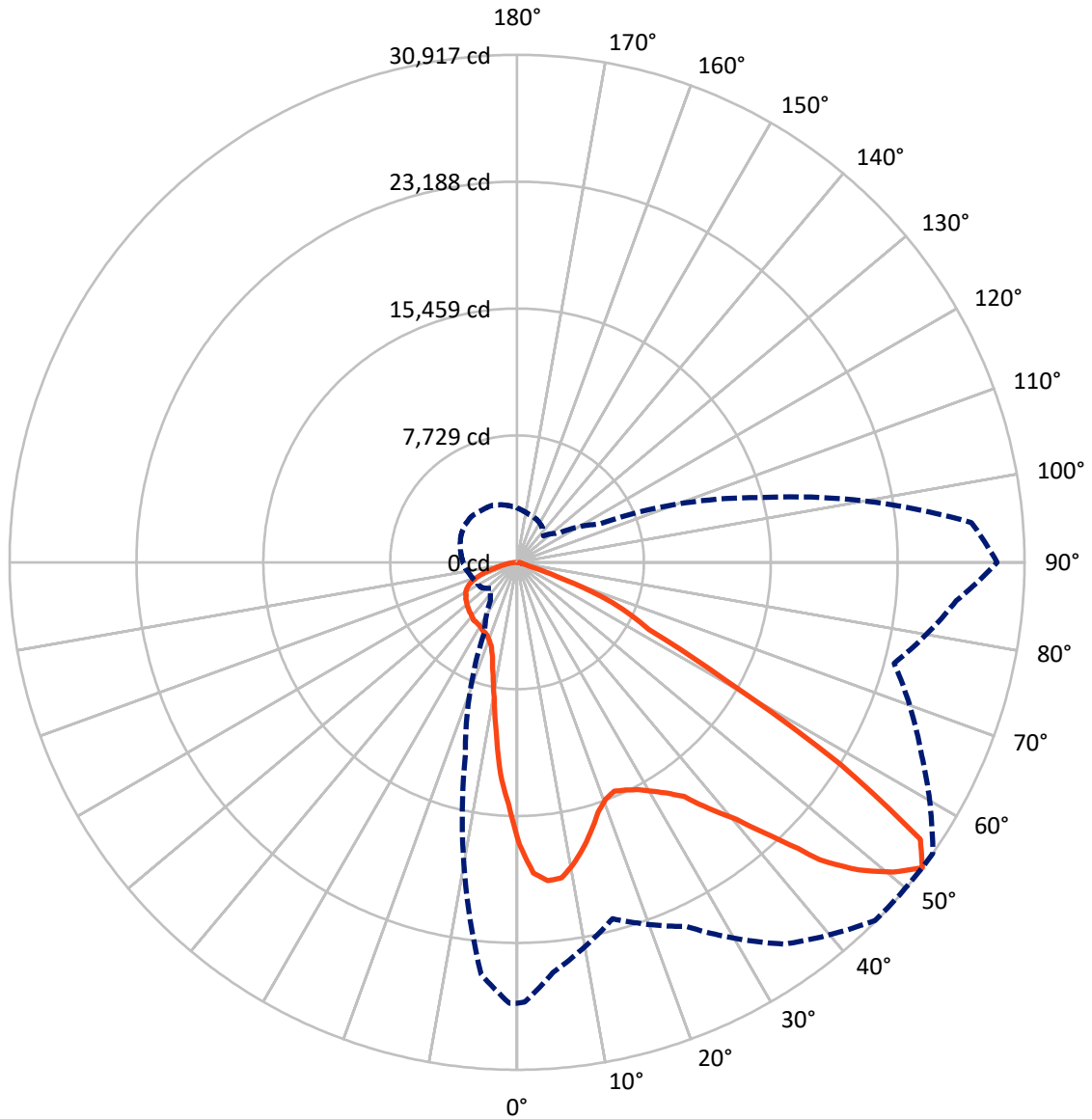
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29.2 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	11746.1	0.0	11746.1
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	26758.9	0.0	26758.9
	% Fixture	69.5	0.0	69.5
Total	Lumens	38505.0	0.0	38505.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1312.2	3.4
10°-20°	2829.3	7.3
20°-30°	4290.2	11.1
30°-40°	6198.7	16.1
40°-50°	8283.1	21.5
50°-60°	9245.8	24.0
60°-70°	5071.7	13.2
70°-80°	1096.5	2.8
80°-90°	177.4	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°	38505.0	100.0
0°-180°	38505.0	100.0

Coefficient of Utilization

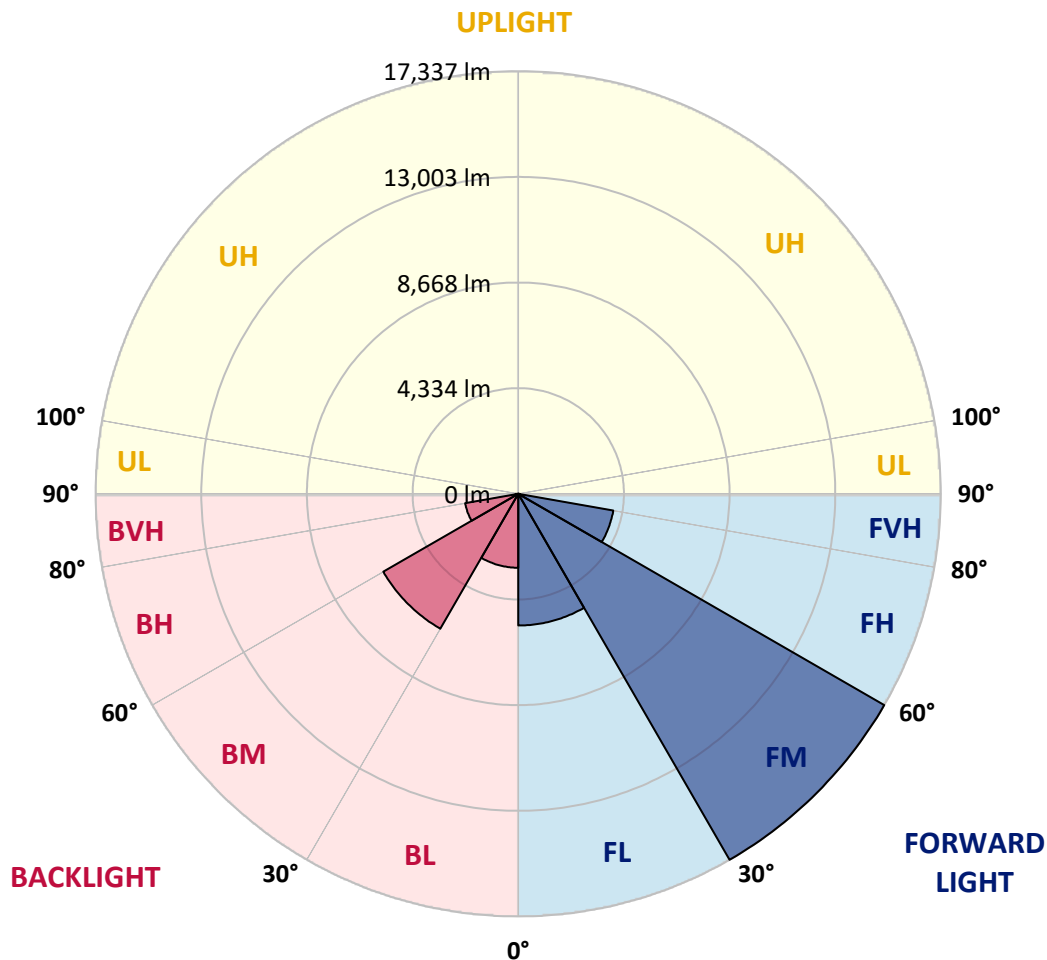


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5399.1	14.0			
FM (30°-60°)	17336.8	45.0			
FH (60°-80°)	3957.4	10.3			G2/5000
FVH (80°-90°)	65.7	0.2			G1/100
BL (0°-30°)	3032.7	7.9	B4/5000		
BM (30°-60°)	6390.8	16.6	B4/8500		
BH (60°-80°)	2210.9	5.7	B3/2500		G3/2500
BVH (80°-90°)	111.7	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2
2.5°	18025.2	17924.0	18013.9	18441.2	18688.6	18857.3	18964.1	18947.2	18542.4	18148.9	18148.9
5°	17496.7	17367.4	17552.9	18519.9	19492.6	19576.9	19717.5	19487.0	18891.0	18171.4	17271.8
7.5°	15967.4	16063.0	16372.2	17642.9	18907.9	19543.2	19711.9	19419.5	18452.5	17108.7	15787.5
10°	14646.2	14871.1	15585.1	16956.9	18120.8	18947.2	19132.8	18722.3	17957.7	16310.4	15129.7
12.5°	14190.8	14050.2	14842.9	16214.8	17328.0	17772.2	17856.5	17884.6	17367.4	15905.6	14466.2
15°	14134.5	14224.5	14842.9	15883.1	16569.0	16591.5	16732.0	16951.3	17018.8	16181.1	14775.5
17.5°	14944.1	14837.3	15472.6	16299.1	15973.0	15646.9	15680.7	15995.5	16552.1	16417.2	15748.1
20°	16141.7	16383.5	16883.8	16799.5	15922.4	15095.9	15101.6	15399.6	16495.9	17395.5	17103.1
22.5°	18132.0	18368.1	18739.2	17721.6	15922.4	14932.9	14741.7	15146.5	16855.7	18559.3	18632.4
25°	19948.0	20380.9	20482.1	19284.6	16720.8	15084.7	14961.0	15360.2	17215.6	19695.0	20386.6
27.5°	21601.0	21758.4	22202.6	20291.0	17165.0	15185.9	15174.7	15686.3	17671.0	20262.9	21955.2
30°	22905.4	22888.5	23141.5	20926.3	17873.4	15753.8	15208.4	16175.4	18266.9	21201.8	23405.7
32.5°	23793.7	23984.8	24519.0	21809.0	18171.4	16293.5	15866.2	16748.9	18992.2	21646.0	24429.0
35°	25356.7	25688.4	25013.7	22298.1	19115.9	16827.6	16327.2	17530.4	19352.0	22129.5	25682.8
37.5°	26829.7	26576.7	25890.8	22562.4	19728.7	17817.2	17350.5	19042.8	20470.9	23180.9	26514.9
40°	27774.3	27768.7	26548.6	22776.0	20161.7	19329.6	19301.4	20577.7	21842.7	23844.3	27448.2
42.5°	28184.7	28578.3	26818.5	22753.6	21072.5	21162.4	21730.3	22871.6	22815.4	23979.2	27425.7
44°	28747.0	28983.1	27285.2	22804.2	21679.7	22399.4	23737.5	24462.7	23664.4	23906.1	27397.6
45°	28724.5	28741.3	26621.7	22871.6	22196.9	23433.9	24631.4	25857.1	24412.1	23748.7	27768.7
47.5°	28066.7	27875.5	26059.5	22371.2	23810.6	26166.3	27273.9	28016.1	25334.2	23411.4	27307.6
50°	26767.9	26548.6	24693.3	22157.6	24147.9	27864.3	29393.5	29663.4	26171.9	23079.7	26852.2
52.5°	26857.9	26796.0	25081.2	22478.1	24485.2	28398.4	30849.7	30917.2	27122.1	23776.8	26857.9
55°	28465.8	28252.2	26194.4	22877.2	24237.9	27774.3	29922.0	29804.0	26801.6	23355.1	27352.6
57.5°	26048.2	26188.8	24653.9	21297.4	21213.0	22579.3	23523.8	23231.5	22365.6	21078.1	25446.7
60°	21016.3	21415.4	21561.6	17811.5	16006.8	15304.0	15022.9	14505.6	14651.8	17316.8	22354.4
62.5°	18025.2	18002.7	18919.1	16147.3	10485.6	9018.2	8883.3	9001.3	10688.0	17046.9	21893.3
65°	14292.0	14674.3	14955.4	13684.7	8298.6	6696.2	6690.6	7438.3	9248.7	14247.0	17676.6
67.5°	9074.4	9574.8	9923.4	8754.0	5549.2	4767.7	4638.4	5538.0	6409.5	9344.3	10643.1
70°	5116.3	5352.5	5509.9	5048.8	3530.8	2473.8	2327.6	2541.3	3873.8	6049.6	6308.3
72.5°	1973.4	2080.3	2293.9	2310.8	1332.5	798.4	646.6	775.9	1630.5	2395.1	2282.7
75°	303.6	326.1	461.0	551.0	382.3	292.4	309.2	320.5	455.4	618.5	517.3
77.5°	146.2	146.2	140.6	163.0	191.2	208.0	224.9	247.4	269.9	298.0	286.7
80°	95.6	95.6	95.6	112.4	140.6	168.7	191.2	202.4	213.6	236.1	224.9
82.5°	61.8	61.8	61.8	84.3	112.4	140.6	151.8	179.9	202.4	236.1	219.3
85°	33.7	33.7	33.7	56.2	84.3	118.1	112.4	90.0	50.6	5.6	11.2
87.5°	11.2	11.2	11.2	11.2	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°	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2
2.5°	17676.6	17418.0	17395.5	16867.0	16394.7	16164.2	15978.7	15461.4	15573.8	15275.9	15270.2
5°	16822.0	16293.5	15438.9	14736.1	14033.3	13892.8	13279.9	12745.8	12762.7	12380.4	12447.8
7.5°	15287.1	14921.7	13881.5	12779.5	11846.2	11182.8	10603.7	10255.1	9811.0	9659.2	9580.4
10°	14314.4	13864.7	12695.2	11312.1	10266.4	9912.2	9355.6	9046.3	8590.9	8366.0	8208.6
12.5°	13887.1	13229.3	11767.5	10361.9	9664.8	9299.3	8827.1	8264.8	7725.1	7517.1	7230.3
15°	13932.1	13145.0	11497.7	9979.6	9141.9	8433.5	8011.8	7387.7	6836.7	6471.3	6263.3
17.5°	14612.4	13656.6	11621.3	9687.3	8484.1	7595.8	6769.3	6094.6	5656.1	5380.6	5313.1
20°	16220.4	14921.7	11829.4	9215.0	7826.3	6718.7	5701.0	4998.2	4660.9	4655.3	4660.9
22.5°	17558.5	16271.0	12251.1	8933.9	7168.5	5594.2	4582.2	4357.3	4289.8	4430.4	4447.3
25°	19363.3	17789.0	12976.3	8787.7	6561.3	4767.7	4143.7	4059.3	4053.7	4233.6	4239.2
27.5°	21213.0	19115.9	13409.2	8360.4	5942.8	4340.4	3879.4	3862.5	3952.5	4143.7	4126.8
30°	22472.4	20229.1	14190.8	7848.8	5211.9	3963.7	3772.6	3795.1	3918.8	4064.9	4087.4
32.5°	23939.9	21325.5	14393.2	7567.7	4762.1	3648.9	3514.0	3564.6	3722.0	3952.5	4076.2
35°	25620.9	22101.4	14702.4	7185.3	4593.4	3407.1	3339.7	3395.9	3587.0	3738.8	3873.8
37.5°	26863.5	23473.2	14758.6	6887.4	4407.9	3272.2	3165.4	3350.9	3463.4	3677.0	3744.5
40°	27785.5	24468.4	14904.8	6701.8	4261.7	3097.9	3097.9	3221.6	3373.4	3570.2	3705.1
42.5°	28375.9	25193.6	15011.6	6533.1	3980.6	3047.3	3019.2	3142.9	3345.3	3536.4	3598.3
44°	28735.7	25502.9	14904.8	6375.7	3901.9	2985.5	2985.5	3092.3	3249.7	3474.6	3547.7
45°	28825.7	25890.8	14668.7	6370.1	3806.3	2912.4	2901.1	3103.5	3210.3	3485.8	3530.8
47.5°	29174.3	26368.7	14696.8	6190.2	3575.8	2738.1	2934.9	3024.8	3120.4	3362.2	3514.0
50°	29163.0	26666.7	14634.9	5925.9	3407.1	2541.3	2867.4	2968.6	3064.2	3311.6	3373.4
52.5°	29241.7	27779.9	15202.8	5504.3	3103.5	2288.3	2642.5	2867.4	2985.5	3193.5	3322.8
55°	29202.4	28415.2	15765.0	5189.4	2676.2	2136.5	2451.3	2715.6	2884.3	3103.5	3165.4
57.5°	26672.3	25114.9	14589.9	4599.1	2215.2	1956.6	2181.5	2558.2	2771.8	2996.7	3075.4
60°	21792.1	19357.7	12031.8	3384.6	1821.6	1799.1	2029.7	2507.6	2597.5	2794.3	2929.2
62.5°	20139.2	16979.4	9541.1	2586.3	1557.4	1647.3	1872.2	2265.8	2406.4	2648.1	2771.8
65°	15759.4	11278.4	5909.1	1748.5	1371.8	1478.7	1692.3	1984.7	2215.2	2440.1	2586.3
67.5°	9333.1	6162.1	2923.6	1225.7	1197.6	1310.0	1529.3	1748.5	2012.8	2260.2	2333.3
70°	5082.6	3030.4	1248.2	933.3	1017.6	1118.8	1332.5	1484.3	1737.3	1928.5	2052.1
72.5°	1630.5	922.1	624.1	691.5	775.9	893.9	1023.3	1208.8	1388.7	1501.2	1602.4
75°	393.6	387.9	444.2	483.5	562.2	652.2	759.0	854.6	995.2	1102.0	1191.9
77.5°	275.5	298.0	343.0	399.2	427.3	461.0	528.5	601.6	663.4	742.1	798.4
80°	213.6	230.5	264.2	292.4	320.5	348.6	382.3	410.4	449.8	500.4	528.5
82.5°	202.4	213.6	247.4	264.2	253.0	247.4	269.9	281.1	286.7	303.6	320.5
85°	16.9	0.0	11.2	39.4	95.6	140.6	151.8	151.8	146.2	157.4	157.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	22.5	16.9
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°	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2
2.5°	15202.8	15011.6	15084.7	15174.7	15045.3	14747.4	14826.1	14792.3	15095.9	15073.5	15377.1
5°	12745.8	12447.8	12481.6	12920.1	12779.5	12931.4	12627.7	12588.4	12644.6	12672.7	12723.3
7.5°	9754.7	9715.4	10052.7	10423.8	10598.1	10418.2	10120.2	10052.7	9990.9	9867.2	10148.3
10°	7961.2	7972.5	7950.0	8231.1	8427.9	8388.5	8208.6	8186.1	8068.0	8023.1	8180.5
12.5°	7106.6	6954.8	6881.7	6791.8	6943.6	7044.8	6966.1	6909.8	6915.5	6971.7	6994.2
15°	6280.1	6184.6	6027.1	5925.9	5999.0	5948.4	5920.3	6032.8	6004.6	5993.4	6128.3
17.5°	5352.5	5431.2	5419.9	5307.5	5403.1	5363.7	5358.1	5279.4	5172.5	5093.8	5138.8
20°	4739.6	4885.8	4998.2	5003.9	5054.5	5048.8	4964.5	4722.8	4644.0	4627.2	4638.4
22.5°	4520.4	4599.1	4734.0	4925.2	4925.2	4835.2	4734.0	4452.9	4379.8	4301.1	4267.3
25°	4346.1	4497.9	4672.2	4694.6	4784.6	4700.3	4537.2	4396.7	4244.9	4138.0	4138.0
27.5°	4256.1	4424.8	4554.1	4593.4	4717.1	4649.7	4481.0	4301.1	4121.2	4115.5	4020.0
30°	4216.7	4374.2	4458.5	4554.1	4610.3	4503.5	4452.9	4261.7	4081.8	4036.8	3879.4
32.5°	4098.7	4323.6	4481.0	4458.5	4503.5	4458.5	4385.4	4228.0	4025.6	3924.4	3907.5
35°	3963.7	4188.6	4357.3	4475.4	4503.5	4407.9	4362.9	4149.3	3873.8	3823.2	3648.9
37.5°	3890.7	4025.6	4233.6	4424.8	4464.1	4413.5	4261.7	4042.5	3767.0	3710.7	3558.9
40°	3800.7	3975.0	4138.0	4295.5	4413.5	4289.8	4115.5	3901.9	3778.2	3609.5	3564.6
42.5°	3733.2	3930.0	4064.9	4239.2	4374.2	4211.1	4008.7	3862.5	3688.2	3575.8	3446.5
44°	3710.7	3890.7	3980.6	4194.3	4306.7	4183.0	4014.3	3862.5	3660.1	3558.9	3446.5
45°	3632.0	3879.4	3975.0	4166.1	4261.7	4160.5	3946.9	3795.1	3648.9	3525.2	3407.1
47.5°	3553.3	3722.0	3885.0	4036.8	4104.3	4070.6	3890.7	3705.1	3530.8	3457.7	3345.3
50°	3530.8	3699.5	3851.3	3991.9	4070.6	4003.1	3840.0	3660.1	3457.7	3339.7	3244.1
52.5°	3418.4	3626.4	3795.1	3840.0	3941.3	3901.9	3778.2	3581.4	3390.3	3289.1	3210.3
55°	3255.3	3474.6	3705.1	3761.3	3907.5	3845.7	3660.1	3474.6	3311.6	3159.7	3058.5
57.5°	3193.5	3407.1	3632.0	3705.1	3795.1	3693.9	3648.9	3452.1	3193.5	3114.8	2957.3
60°	3036.1	3305.9	3491.5	3660.1	3665.8	3637.6	3558.9	3334.0	3120.4	2974.2	2861.8
62.5°	2912.4	3165.4	3311.6	3469.0	3564.6	3485.8	3407.1	3199.1	2968.6	2805.5	2676.2
65°	2732.5	2963.0	3086.7	3182.2	3289.1	3277.8	3142.9	2991.1	2749.3	2620.0	2496.3
67.5°	2457.0	2659.4	2828.0	2918.0	2985.5	2968.6	2867.4	2760.6	2513.2	2383.9	2293.9
70°	2125.2	2333.3	2440.1	2490.7	2558.2	2591.9	2513.2	2462.6	2243.3	2074.6	1990.3
72.5°	1709.2	1844.1	2001.5	2046.5	2074.6	2097.1	2097.1	2052.1	1827.3	1759.8	1613.6
75°	1259.4	1366.2	1484.3	1484.3	1534.9	1540.5	1551.8	1523.7	1355.0	1265.0	1231.3
77.5°	854.6	933.3	1028.9	1068.2	1102.0	1096.4	1090.7	1012.0	922.1	882.7	849.0
80°	556.6	635.3	680.3	730.9	764.6	759.0	770.3	714.0	674.7	607.2	618.5
82.5°	331.7	393.6	438.5	500.4	500.4	517.3	517.3	500.4	461.0	427.3	427.3
85°	157.4	208.0	236.1	275.5	298.0	303.6	269.9	230.5	191.2	174.3	191.2
87.5°	28.1	39.4	56.2	50.6	61.8	56.2	56.2	56.2	56.2	45.0	50.6
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°	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2	17176.2
2.5°	15264.6	15545.7	15742.5	16068.6	16630.8	17080.6	17541.7	17884.6	17924.0	18025.2
5°	12908.9	13060.7	13561.1	14213.2	14674.3	15433.3	15922.4	16810.8	17142.5	17496.7
7.5°	10080.8	10328.2	10997.3	11435.8	12447.8	13398.0	14381.9	15478.3	15916.8	15967.4
10°	8501.0	8860.8	9316.2	10019.0	10570.0	11627.0	12852.6	14072.7	14561.8	14646.2
12.5°	7466.5	7927.5	8534.7	9040.7	9569.2	10491.3	11666.3	13173.1	13808.4	14190.8
15°	6471.3	6949.2	7618.3	8321.0	8787.7	9889.7	11272.8	12970.7	13797.2	14134.5
17.5°	5448.0	5892.2	6443.2	7202.2	8141.1	9378.0	11210.9	13645.4	14550.6	14944.1
20°	4571.0	4818.3	5459.3	6240.8	7415.8	8855.2	11233.4	14640.5	15967.4	16141.7
22.5°	4228.0	4284.2	4537.2	5256.9	6544.4	8321.0	11632.6	16051.7	17558.5	18132.0
25°	3963.7	3952.5	4020.0	4503.5	5909.1	8113.0	12026.2	17350.5	19323.9	19948.0
27.5°	3817.6	3705.1	3710.7	4166.1	5459.3	7775.7	12532.2	18840.4	21325.5	21601.0
30°	3744.5	3722.0	3654.5	3840.0	4970.1	7269.7	12616.5	20307.8	22506.2	22905.4
32.5°	3699.5	3480.2	3395.9	3463.4	4509.1	6718.7	12931.4	21274.9	23968.0	23793.7
35°	3474.6	3277.8	3221.6	3289.1	4183.0	6409.5	12723.3	22118.2	25064.3	25356.7
37.5°	3390.3	3216.0	3103.5	3047.3	3879.4	6150.8	12616.5	23417.0	26127.0	26829.7
40°	3311.6	3126.0	2991.1	2934.9	3643.3	5807.9	12582.8	24417.8	27352.6	27774.3
42.5°	3221.6	3103.5	2951.7	2850.5	3356.5	5464.9	12194.8	24727.0	27729.3	28184.7
44°	3193.5	3013.6	2856.1	2822.4	3244.1	5290.6	12116.1	25008.1	28055.4	28747.0
45°	3165.4	2996.7	2816.8	2771.8	3204.7	5195.0	12009.3	25075.6	28595.2	28724.5
47.5°	3086.7	2979.8	2805.5	2681.8	3120.4	4987.0	11688.8	24693.3	28044.2	28066.7
50°	3024.8	2901.1	2721.2	2479.4	3007.9	4812.7	11835.0	24552.7	26717.3	26767.9
52.5°	2957.3	2771.8	2670.6	2254.6	2822.4	4666.5	12144.2	25188.0	26869.1	26857.9
55°	2878.6	2676.2	2428.8	2063.4	2513.2	4481.0	12892.0	26441.8	28274.7	28465.8
57.5°	2754.9	2580.6	2226.4	1894.7	2159.0	4126.8	12650.2	24041.1	26014.5	26048.2
60°	2591.9	2428.8	2018.4	1765.4	1771.0	3255.3	11312.1	18733.6	20527.1	21016.3
62.5°	2434.5	2344.5	1844.1	1579.9	1506.8	2591.9	9563.6	15568.2	17620.4	18025.2
65°	2248.9	2029.7	1692.3	1439.3	1293.1	1816.0	6774.9	11632.6	13746.6	14292.0
67.5°	2012.8	1776.7	1489.9	1265.0	1107.6	1214.4	3497.1	6611.9	8754.0	9074.4
70°	1759.8	1540.5	1253.8	1068.2	893.9	837.7	1540.5	3154.1	4784.6	5116.3
72.5°	1444.9	1242.5	1000.8	843.3	669.1	579.1	517.3	843.3	1697.9	1973.4
75°	1045.8	905.2	753.4	601.6	472.3	371.1	303.6	253.0	281.1	303.6
77.5°	770.3	657.8	556.6	427.3	331.7	264.2	208.0	157.4	151.8	146.2
80°	601.6	534.1	444.2	343.0	258.6	196.8	146.2	106.8	95.6	95.6
82.5°	472.3	438.5	365.5	281.1	213.6	157.4	106.8	73.1	61.8	61.8
85°	179.9	179.9	264.2	230.5	163.0	112.4	73.1	39.4	33.7	33.7
87.5°	45.0	45.0	45.0	45.0	39.4	33.7	33.7	16.9	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)