

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: P648600

Luminaire Tested: **GALN-SA8B-835-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648600
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-SA8B-835-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 800mA 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: 26795 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

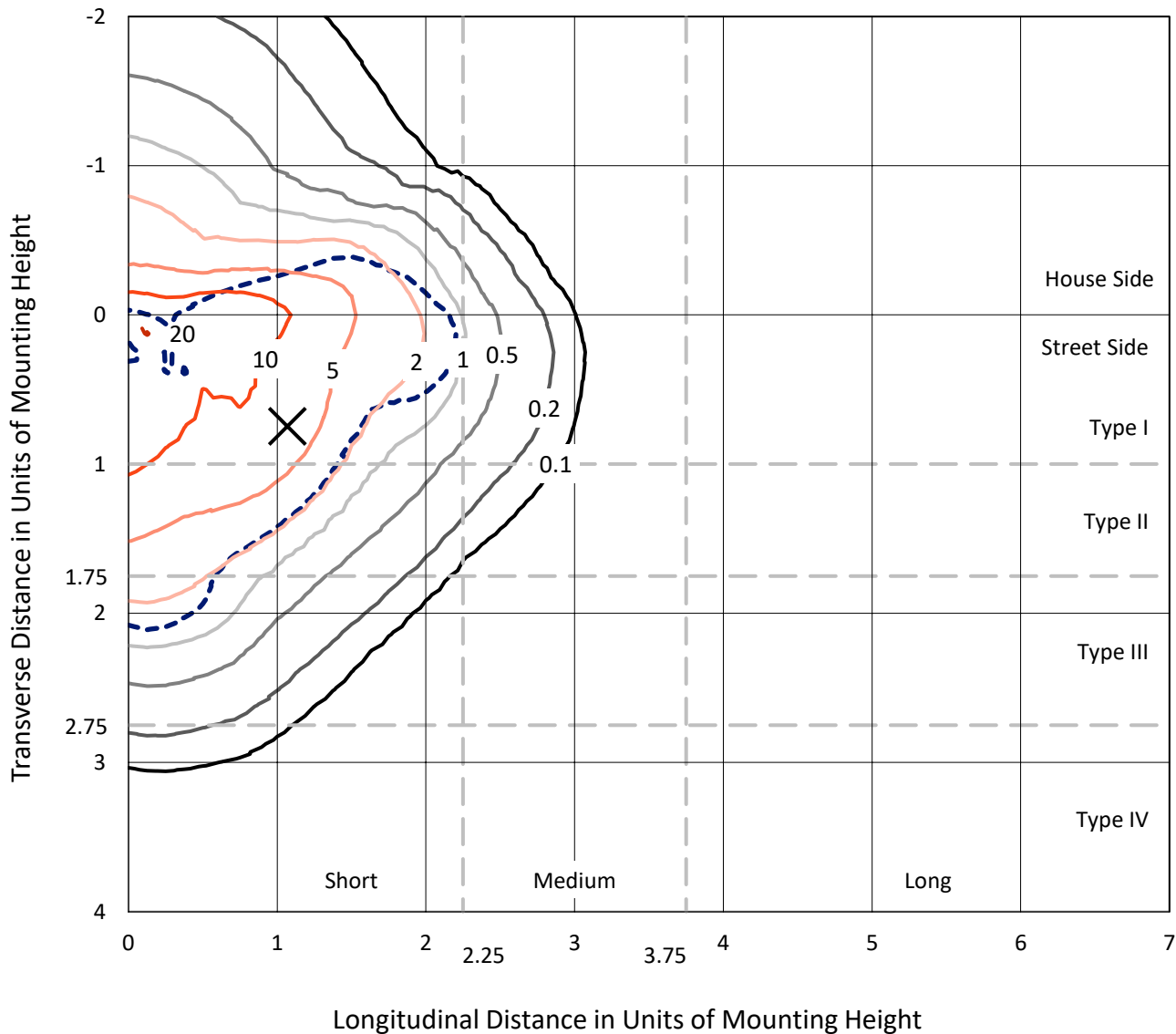
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

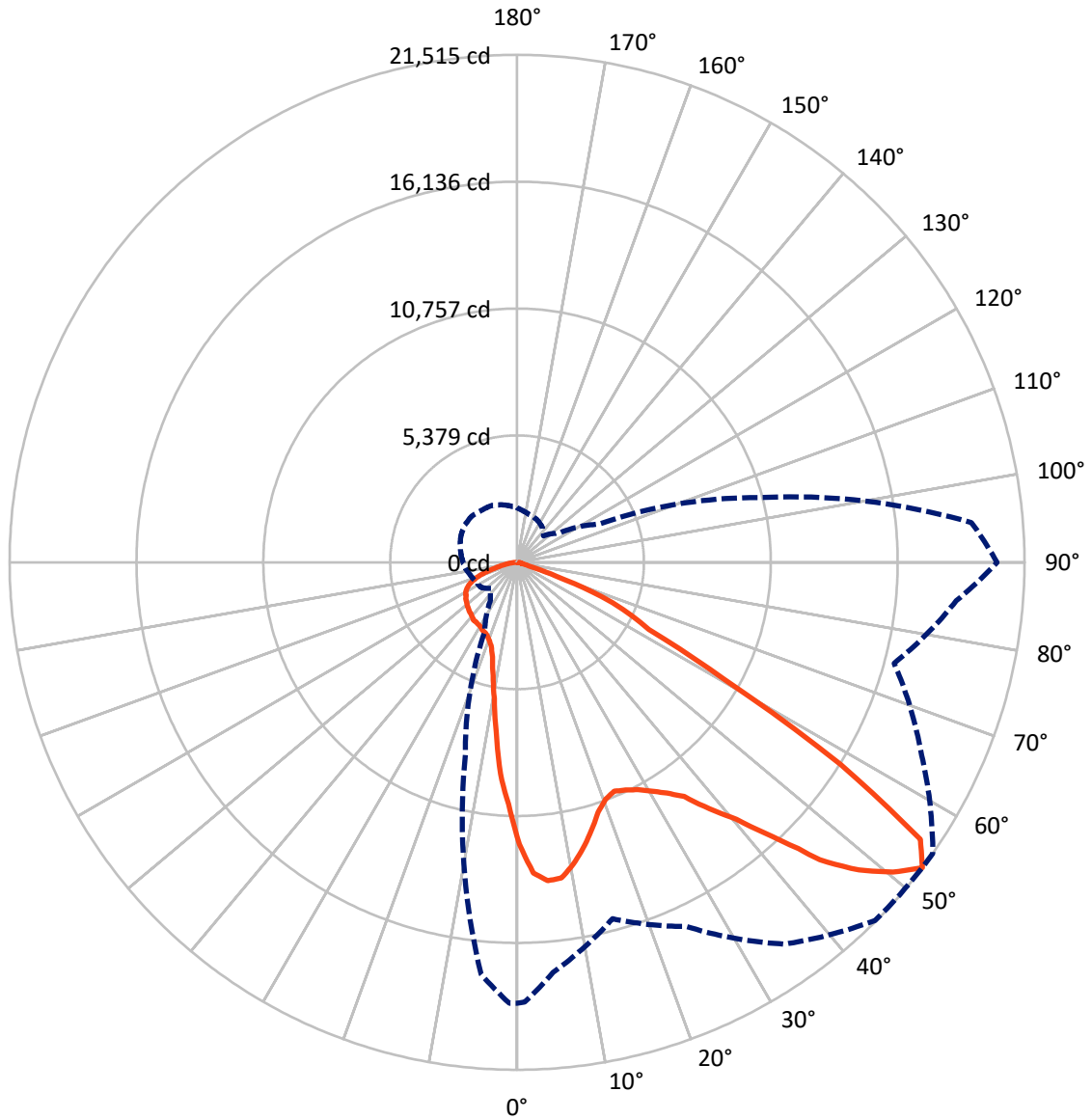
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.3 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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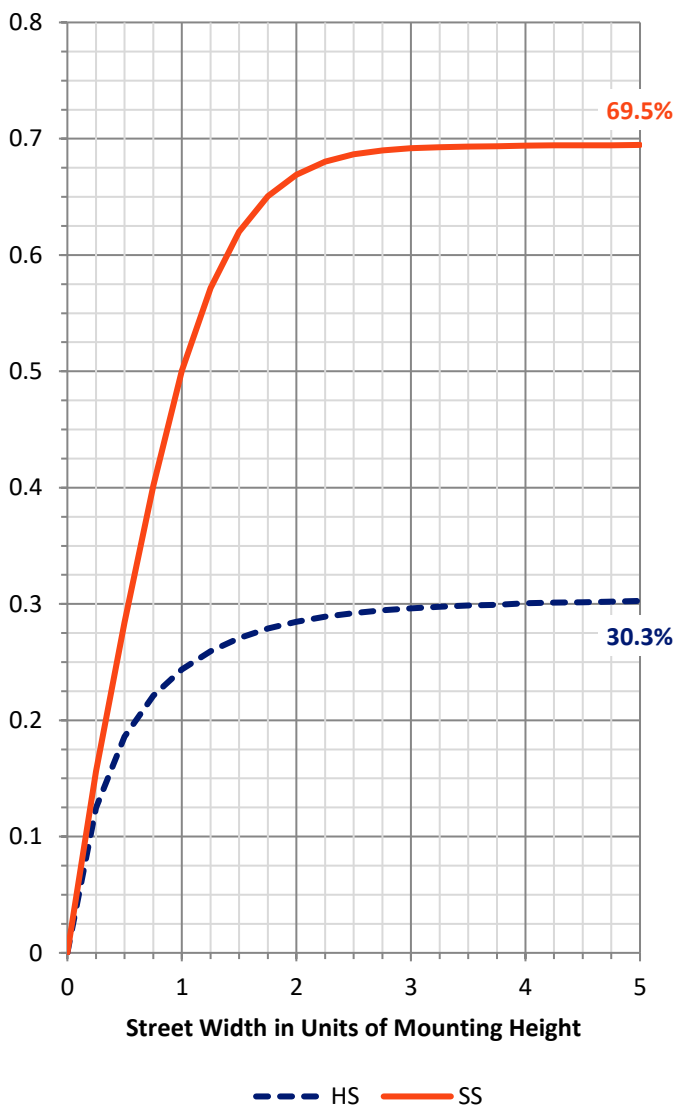
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8173.9	0.0	8173.9
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	18621.1	0.0	18621.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	26795.0	0.0	26795.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	913.2	3.4
10°-20°	1968.9	7.3
20°-30°	2985.5	11.1
30°-40°	4313.6	16.1
40°-50°	5764.1	21.5
50°-60°	6434.0	24.0
60°-70°	3529.3	13.2
70°-80°	763.0	2.8
80°-90°	123.4	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°	26795.0	100.0
0°-180°	26795.0	100.0

Coefficient of Utilization

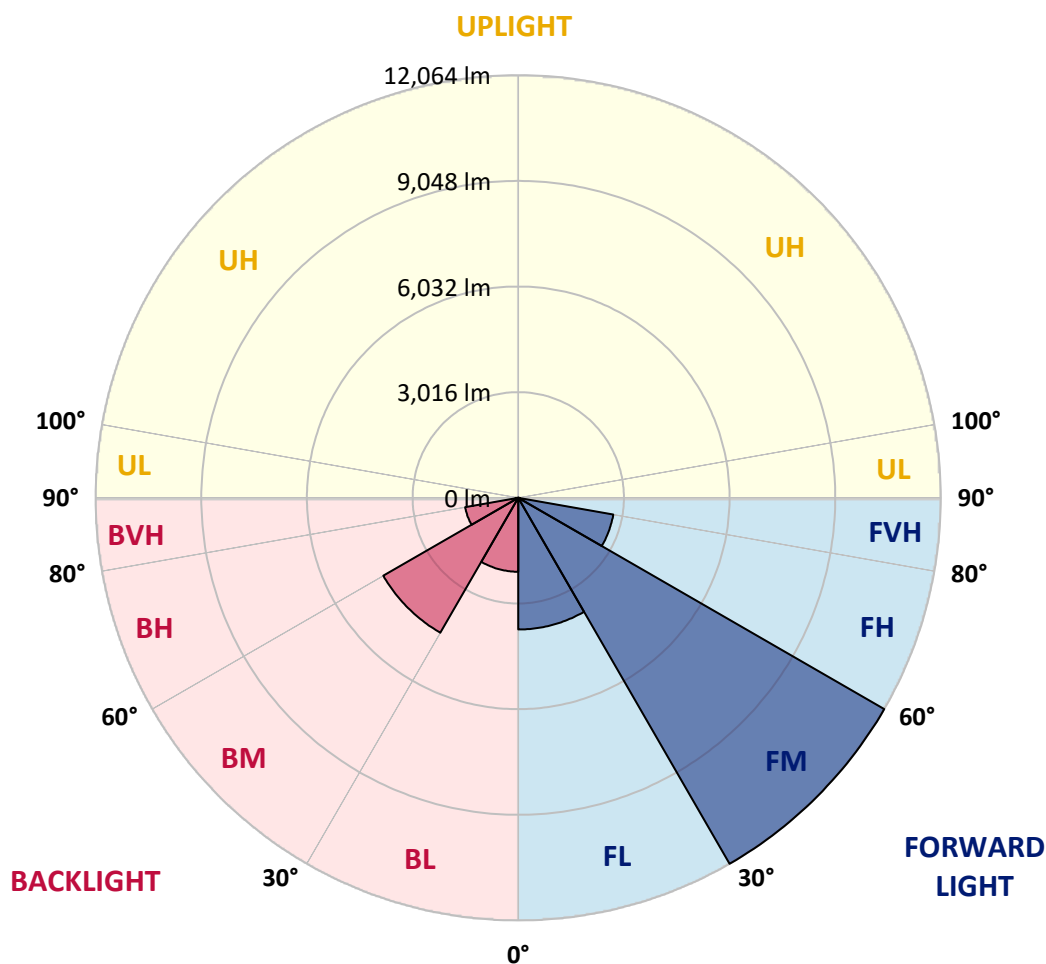


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3757.2	14.0			
FM (30°-60°)	12064.4	45.0			
FH (60°-80°)	2753.9	10.3			G2/5000
FVH (80°-90°)	45.7	0.2			G1/100
BL (0°-30°)	2110.4	7.9	B3/2500		
BM (30°-60°)	4447.3	16.6	B3/5000		
BH (60°-80°)	1538.5	5.7	B3/2500		G3/2500
BVH (80°-90°)	77.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7
2.5°	12543.4	12473.0	12535.6	12833.0	13005.2	13122.5	13196.8	13185.1	12903.4	12629.6	12629.6
5°	12175.6	12085.7	12214.8	12887.7	13564.6	13623.3	13721.1	13560.7	13145.9	12645.1	12019.2
7.5°	11111.5	11178.0	11393.2	12277.4	13157.7	13599.8	13717.2	13513.7	12840.8	11905.7	10986.3
10°	10192.1	10348.5	10845.4	11800.0	12610.0	13185.1	13314.2	13028.6	12496.5	11350.1	10528.5
12.5°	9875.1	9777.3	10328.9	11283.7	12058.3	12367.4	12426.1	12445.6	12085.7	11068.4	10066.9
15°	9836.0	9898.6	10328.9	11052.7	11530.1	11545.7	11643.6	11796.1	11843.1	11260.2	10282.0
17.5°	10399.4	10325.0	10767.2	11342.3	11115.4	10888.5	10912.0	11131.0	11518.4	11424.4	10958.9
20°	11232.8	11401.0	11749.2	11690.5	11080.2	10505.0	10509.0	10716.3	11479.2	12105.3	11901.8
22.5°	12617.8	12782.1	13040.3	12332.2	11080.2	10391.6	10258.6	10540.3	11729.7	12915.1	12966.0
25°	13881.5	14182.8	14253.2	13419.8	11635.8	10497.2	10411.2	10688.9	11980.1	13705.5	14186.7
27.5°	15031.8	15141.3	15450.4	14120.2	11944.8	10567.6	10559.9	10915.9	12296.9	14100.7	15278.3
30°	15939.5	15927.8	16103.8	14562.3	12437.8	10962.8	10583.3	11256.3	12711.7	14754.0	16287.7
32.5°	16557.6	16690.7	17062.4	15176.6	12645.1	11338.4	11041.1	11655.3	13216.4	15063.1	16999.8
35°	17645.4	17876.2	17406.6	15516.9	13302.5	11710.1	11361.9	12199.1	13466.8	15399.6	17872.3
37.5°	18670.4	18494.4	18017.0	15700.8	13729.0	12398.6	12073.9	13251.6	14245.4	16131.2	18451.3
40°	19327.7	19323.8	18474.8	15849.5	14030.2	13451.2	13431.6	14319.7	15200.1	16592.9	19100.8
42.5°	19613.3	19887.2	18662.6	15833.8	14664.0	14726.6	15121.8	15916.0	15876.9	16686.7	19085.2
44°	20004.6	20168.9	18987.4	15869.1	15086.5	15587.3	16518.6	17023.3	16467.7	16635.9	19065.6
45°	19988.9	20000.6	18525.6	15916.0	15446.6	16307.2	17140.7	17993.6	16988.0	16526.4	19323.8
47.5°	19531.2	19398.1	18134.4	15567.8	16569.4	18208.7	18979.5	19495.9	17629.7	16291.6	19002.9
50°	18627.3	18474.8	17183.6	15419.1	16804.1	19390.3	20454.5	20642.3	18212.7	16060.7	18686.1
52.5°	18690.0	18646.9	17453.6	15642.1	17038.9	19762.0	21467.8	21514.8	18873.8	16546.0	18690.0
55°	19809.0	19660.3	18228.3	15920.0	16866.8	19327.7	20822.3	20740.1	18650.8	16252.5	19034.3
57.5°	18126.6	18224.4	17156.3	14820.5	14761.8	15712.5	16369.9	16166.4	15563.9	14667.9	17707.9
60°	14624.9	14902.7	15004.4	12394.8	11138.9	10649.8	10454.1	10094.2	10196.0	12050.4	15556.1
62.5°	12543.4	12527.8	13165.5	11236.7	7296.8	6275.7	6181.7	6263.9	7437.6	11862.7	15235.2
65°	9945.6	10211.6	10407.2	9523.0	5774.9	4659.8	4655.9	5176.3	6436.0	9914.3	12300.9
67.5°	6314.7	6662.9	6905.5	6091.7	3861.6	3317.8	3227.8	3853.8	4460.2	6502.6	7406.3
70°	3560.4	3724.7	3834.3	3513.4	2457.1	1721.5	1619.8	1768.5	2695.7	4209.9	4389.8
72.5°	1373.3	1447.6	1596.3	1608.0	927.2	555.5	449.9	540.0	1134.6	1666.7	1588.5
75°	211.3	226.9	320.8	383.4	266.1	203.4	215.2	223.0	316.9	430.3	359.9
77.5°	101.7	101.7	97.8	113.5	133.0	144.8	156.5	172.2	187.8	207.3	199.5
80°	66.5	66.5	66.5	78.2	97.8	117.4	133.0	140.9	148.7	164.4	156.5
82.5°	43.1	43.1	43.1	58.7	78.2	97.8	105.6	125.2	140.9	164.4	152.6
85°	23.5	23.5	23.5	39.2	58.7	82.1	78.2	62.6	35.2	3.9	7.8
87.5°	7.8	7.8	7.8	7.8	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°	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7
2.5°	12300.9	12120.9	12105.3	11737.5	11408.9	11248.4	11119.3	10759.4	10837.6	10630.2	10626.3
5°	11706.2	11338.4	10743.7	10254.6	9765.6	9667.8	9241.3	8869.6	8881.3	8615.3	8662.3
7.5°	10638.1	10383.8	9659.9	8893.1	8243.7	7781.9	7379.0	7136.4	6827.3	6721.7	6666.9
10°	9961.2	9648.2	8834.4	7872.0	7144.2	6897.8	6510.4	6295.2	5978.3	5821.8	5712.2
12.5°	9663.9	9206.1	8188.8	7210.7	6725.6	6471.3	6142.6	5751.4	5375.8	5231.0	5031.5
15°	9695.2	9147.4	8001.0	6944.7	6361.7	5868.7	5575.3	5141.0	4757.6	4503.3	4358.5
17.5°	10168.6	9503.4	8087.1	6741.2	5904.0	5285.8	4710.6	4241.1	3936.0	3744.2	3697.3
20°	11287.6	10383.8	8231.9	6412.5	5446.2	4675.4	3967.3	3478.2	3243.4	3239.5	3243.4
22.5°	12218.7	11322.7	8525.3	6216.9	4988.4	3892.9	3188.7	3032.2	2985.3	3083.1	3094.8
25°	13474.6	12379.2	9030.0	6115.2	4565.9	3317.8	2883.5	2824.8	2820.9	2946.1	2950.0
27.5°	14761.8	13302.5	9331.3	5817.8	4135.5	3020.4	2699.6	2687.9	2750.4	2883.5	2871.7
30°	15638.2	14077.2	9875.1	5461.8	3626.9	2758.3	2625.3	2640.9	2727.0	2828.7	2844.4
32.5°	16659.4	14840.0	10016.0	5266.2	3313.9	2539.2	2445.3	2480.5	2590.1	2750.4	2836.6
35°	17829.2	15380.0	10231.1	5000.2	3196.5	2371.0	2324.0	2363.2	2496.2	2601.8	2695.7
37.5°	18693.9	16334.6	10270.3	4792.8	3067.4	2277.0	2202.7	2331.9	2410.1	2558.8	2605.7
40°	19335.6	17027.2	10372.0	4663.7	2965.7	2155.8	2155.8	2241.9	2347.5	2484.5	2578.3
42.5°	19746.3	17531.8	10446.3	4546.3	2770.0	2120.6	2101.0	2187.1	2327.9	2461.0	2504.0
44°	19996.7	17747.1	10372.0	4436.8	2715.3	2077.5	2077.5	2151.8	2261.4	2417.9	2468.8
45°	20059.4	18017.0	10207.7	4432.9	2648.7	2026.6	2018.8	2159.7	2234.1	2425.7	2457.1
47.5°	20301.9	18349.6	10227.2	4307.7	2488.4	1905.4	2042.3	2104.9	2171.4	2339.7	2445.3
50°	20294.1	18556.9	10184.2	4123.7	2371.0	1768.5	1995.4	2065.8	2132.3	2304.4	2347.5
52.5°	20348.8	19331.6	10579.3	3830.4	2159.7	1592.4	1838.9	1995.4	2077.5	2222.3	2312.3
55°	20321.5	19773.7	10970.6	3611.2	1862.4	1486.8	1705.8	1889.8	2007.1	2159.7	2202.7
57.5°	18560.9	17477.1	10152.9	3200.4	1541.5	1361.6	1518.1	1780.2	1928.8	2085.4	2140.1
60°	15164.8	13470.7	8372.7	2355.3	1267.7	1252.0	1412.4	1745.0	1807.6	1944.5	2038.4
62.5°	14014.5	11815.7	6639.5	1799.7	1083.8	1146.4	1302.8	1576.7	1674.5	1842.8	1928.8
65°	10966.7	7848.5	4112.0	1216.8	954.6	1029.0	1177.6	1381.1	1541.5	1698.0	1799.7
67.5°	6494.8	4288.1	2034.5	852.9	833.3	911.6	1064.2	1216.8	1400.7	1572.8	1623.7
70°	3536.9	2108.9	868.6	649.5	708.1	778.6	927.2	1032.9	1209.0	1342.0	1428.0
72.5°	1134.6	641.7	434.3	481.2	540.0	622.1	712.1	841.2	966.4	1044.6	1115.1
75°	273.9	270.0	309.1	336.5	391.3	453.8	528.2	594.7	692.5	766.9	829.4
77.5°	191.7	207.3	238.7	277.8	297.4	320.8	367.8	418.7	461.7	516.5	555.5
80°	148.7	160.4	183.8	203.4	223.0	242.6	266.1	285.6	313.0	348.2	367.8
82.5°	140.9	148.7	172.2	183.8	176.1	172.2	187.8	195.6	199.5	211.3	223.0
85°	11.7	0.0	7.8	27.4	66.5	97.8	105.6	105.6	101.7	109.5	109.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	15.7	11.7
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°	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7
2.5°	10579.3	10446.3	10497.2	10559.9	10469.8	10262.5	10317.3	10293.8	10505.0	10489.4	10700.6
5°	8869.6	8662.3	8685.7	8990.9	8893.1	8998.7	8787.5	8760.0	8799.2	8818.8	8854.0
7.5°	6788.1	6760.8	6995.6	7253.8	7375.1	7249.9	7042.5	6995.6	6952.5	6866.4	7062.0
10°	5540.1	5547.9	5532.3	5727.9	5864.8	5837.4	5712.2	5696.6	5614.4	5583.1	5692.6
12.5°	4945.4	4839.7	4788.9	4726.3	4831.9	4902.4	4847.6	4808.5	4812.4	4851.5	4867.1
15°	4370.2	4303.8	4194.2	4123.7	4174.6	4139.4	4119.8	4198.1	4178.6	4170.7	4264.6
17.5°	3724.7	3779.5	3771.6	3693.4	3759.9	3732.5	3728.6	3673.8	3599.5	3544.7	3576.0
20°	3298.2	3399.9	3478.2	3482.1	3517.3	3513.4	3454.8	3286.5	3231.8	3220.0	3227.8
22.5°	3145.6	3200.4	3294.3	3427.3	3427.3	3364.7	3294.3	3098.7	3047.8	2993.0	2969.6
25°	3024.3	3130.0	3251.3	3266.9	3329.6	3270.8	3157.4	3059.6	2953.9	2879.6	2879.6
27.5°	2961.8	3079.1	3169.1	3196.5	3282.6	3235.7	3118.2	2993.0	2867.9	2864.0	2797.4
30°	2934.4	3043.9	3102.6	3169.1	3208.3	3133.9	3098.7	2965.7	2840.5	2809.2	2699.6
32.5°	2852.2	3008.7	3118.2	3102.6	3133.9	3102.6	3051.7	2942.2	2801.3	2730.9	2719.2
35°	2758.3	2914.8	3032.2	3114.3	3133.9	3067.4	3036.1	2887.4	2695.7	2660.5	2539.2
37.5°	2707.5	2801.3	2946.1	3079.1	3106.6	3071.3	2965.7	2813.1	2621.4	2582.3	2476.6
40°	2644.8	2766.1	2879.6	2989.2	3071.3	2985.3	2864.0	2715.3	2629.2	2511.8	2480.5
42.5°	2597.9	2734.9	2828.7	2950.0	3043.9	2930.5	2789.6	2687.9	2566.6	2488.4	2398.3
44°	2582.3	2707.5	2770.0	2918.7	2996.9	2910.9	2793.5	2687.9	2547.0	2476.6	2398.3
45°	2527.4	2699.6	2766.1	2899.1	2965.7	2895.2	2746.6	2640.9	2539.2	2453.1	2371.0
47.5°	2472.7	2590.1	2703.5	2809.2	2856.1	2832.7	2707.5	2578.3	2457.1	2406.2	2327.9
50°	2457.1	2574.4	2680.1	2777.8	2832.7	2785.7	2672.2	2547.0	2406.2	2324.0	2257.5
52.5°	2378.8	2523.5	2640.9	2672.2	2742.7	2715.3	2629.2	2492.3	2359.3	2288.8	2234.1
55°	2265.3	2417.9	2578.3	2617.5	2719.2	2676.1	2547.0	2417.9	2304.4	2198.8	2128.4
57.5°	2222.3	2371.0	2527.4	2578.3	2640.9	2570.5	2539.2	2402.2	2222.3	2167.5	2058.0
60°	2112.8	2300.5	2429.6	2547.0	2550.9	2531.4	2476.6	2320.1	2171.4	2069.7	1991.5
62.5°	2026.6	2202.7	2304.4	2414.0	2480.5	2425.7	2371.0	2226.2	2065.8	1952.3	1862.4
65°	1901.4	2061.9	2147.9	2214.5	2288.8	2281.0	2187.1	2081.4	1913.2	1823.2	1737.2
67.5°	1709.8	1850.6	1968.0	2030.6	2077.5	2065.8	1995.4	1921.0	1748.9	1658.9	1596.3
70°	1478.9	1623.7	1698.0	1733.2	1780.2	1803.6	1748.9	1713.7	1561.1	1443.7	1385.0
72.5°	1189.4	1283.3	1392.9	1424.1	1443.7	1459.4	1459.4	1428.0	1271.6	1224.6	1122.9
75°	876.4	950.7	1032.9	1032.9	1068.1	1072.0	1079.8	1060.3	942.9	880.3	856.8
77.5°	594.7	649.5	716.0	743.4	766.9	763.0	759.0	704.2	641.7	614.3	590.8
80°	387.4	442.1	473.4	508.6	532.1	528.2	536.0	496.9	469.5	422.6	430.3
82.5°	230.8	273.9	305.2	348.2	348.2	359.9	359.9	348.2	320.8	297.4	297.4
85°	109.5	144.8	164.4	191.7	207.3	211.3	187.8	160.4	133.0	121.3	133.0
87.5°	19.6	27.4	39.2	35.2	43.1	39.2	39.2	39.2	39.2	31.3	35.2
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°	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7	11952.7
2.5°	10622.4	10818.0	10955.0	11181.9	11573.1	11886.2	12207.0	12445.6	12473.0	12543.4
5°	8983.0	9088.8	9437.0	9890.8	10211.6	10739.8	11080.2	11698.3	11929.2	12175.6
7.5°	7015.1	7187.2	7652.8	7958.0	8662.3	9323.5	10008.1	10771.1	11076.2	11111.5
10°	5915.7	6166.1	6483.0	6972.1	7355.5	8091.1	8944.0	9793.0	10133.4	10192.1
12.5°	5195.8	5516.6	5939.1	6291.2	6659.0	7300.7	8118.5	9167.0	9609.1	9875.1
15°	4503.3	4835.8	5301.5	5790.5	6115.2	6882.1	7844.6	9026.1	9601.2	9836.0
17.5°	3791.2	4100.3	4483.7	5011.9	5665.3	6526.1	7801.5	9495.6	10125.5	10399.4
20°	3180.9	3353.0	3799.0	4342.8	5160.6	6162.2	7817.2	10188.2	11111.5	11232.8
22.5°	2942.2	2981.4	3157.4	3658.2	4554.2	5790.5	8095.0	11170.2	12218.7	12617.8
25°	2758.3	2750.4	2797.4	3133.9	4112.0	5645.7	8368.8	12073.9	13447.2	13881.5
27.5°	2656.6	2578.3	2582.3	2899.1	3799.0	5411.0	8721.0	13110.8	14840.0	15031.8
30°	2605.7	2590.1	2543.1	2672.2	3458.7	5058.9	8779.6	14131.9	15661.7	15939.5
32.5°	2574.4	2421.8	2363.2	2410.1	3137.8	4675.4	8998.7	14804.9	16678.9	16557.6
35°	2417.9	2281.0	2241.9	2288.8	2910.9	4460.2	8854.0	15391.7	17441.9	17645.4
37.5°	2359.3	2238.0	2159.7	2120.6	2699.6	4280.3	8779.6	16295.6	18181.3	18670.4
40°	2304.4	2175.3	2081.4	2042.3	2535.3	4041.6	8756.1	16992.0	19034.3	19327.7
42.5°	2241.9	2159.7	2054.0	1983.7	2335.8	3803.0	8486.2	17207.1	19296.4	19613.3
44°	2222.3	2097.1	1987.6	1964.1	2257.5	3681.7	8431.4	17402.8	19523.3	20004.6
45°	2202.7	2085.4	1960.2	1928.8	2230.1	3615.1	8357.1	17449.7	19898.9	19988.9
47.5°	2147.9	2073.6	1952.3	1866.3	2171.4	3470.4	8134.0	17183.6	19515.5	19531.2
50°	2104.9	2018.8	1893.6	1725.4	2093.2	3349.1	8235.8	17085.8	18592.2	18627.3
52.5°	2058.0	1928.8	1858.5	1568.9	1964.1	3247.3	8451.0	17527.9	18697.8	18690.0
55°	2003.2	1862.4	1690.2	1435.9	1748.9	3118.2	8971.4	18400.4	19675.9	19809.0
57.5°	1917.1	1795.8	1549.3	1318.5	1502.4	2871.7	8803.1	16729.8	18103.1	18126.6
60°	1803.6	1690.2	1404.5	1228.5	1232.4	2265.3	7872.0	13036.4	14284.5	14624.9
62.5°	1694.1	1631.5	1283.3	1099.4	1048.5	1803.6	6655.2	10833.7	12261.8	12543.4
65°	1565.0	1412.4	1177.6	1001.6	899.9	1263.8	4714.5	8095.0	9566.1	9945.6
67.5°	1400.7	1236.4	1036.8	880.3	770.8	845.1	2433.6	4601.1	6091.7	6314.7
70°	1224.6	1072.0	872.5	743.4	622.1	582.9	1072.0	2194.9	3329.6	3560.4
72.5°	1005.5	864.7	696.4	586.9	465.6	403.0	359.9	586.9	1181.5	1373.3
75°	727.7	629.9	524.3	418.7	328.6	258.2	211.3	176.1	195.6	211.3
77.5°	536.0	457.7	387.4	297.4	230.8	183.8	144.8	109.5	105.6	101.7
80°	418.7	371.7	309.1	238.7	180.0	136.9	101.7	74.3	66.5	66.5
82.5°	328.6	305.2	254.3	195.6	148.7	109.5	74.3	50.9	43.1	43.1
85°	125.2	125.2	183.8	160.4	113.5	78.2	50.9	27.4	23.5	23.5
87.5°	31.3	31.3	31.3	31.3	27.4	23.5	23.5	11.7	7.8	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)