

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: P532890

Luminaire Tested: **GALN-SA8B-735-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532890
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-735-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 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: 31878 lumens
Efficiency: N/A
Efficacy: 98.1 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

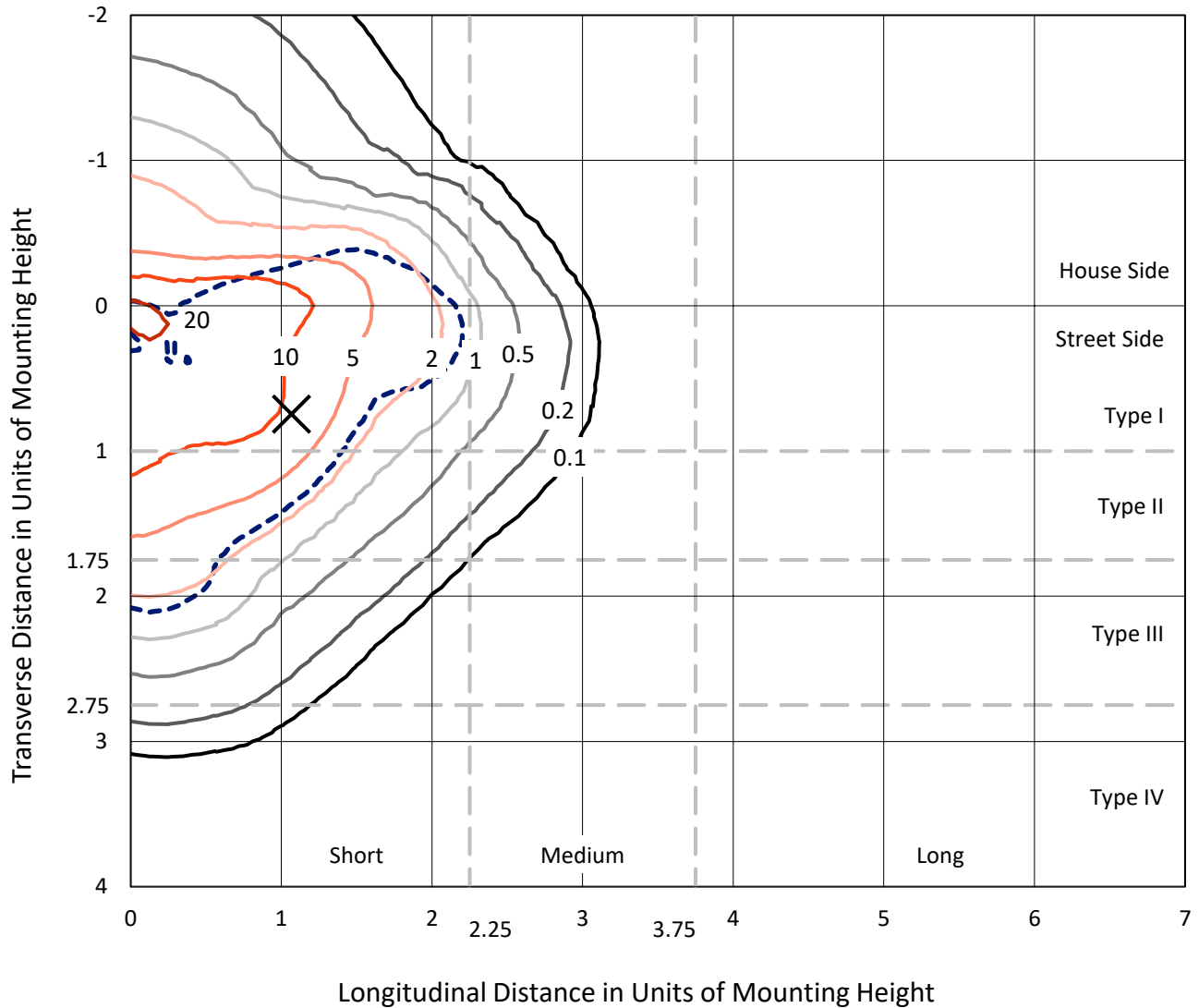
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

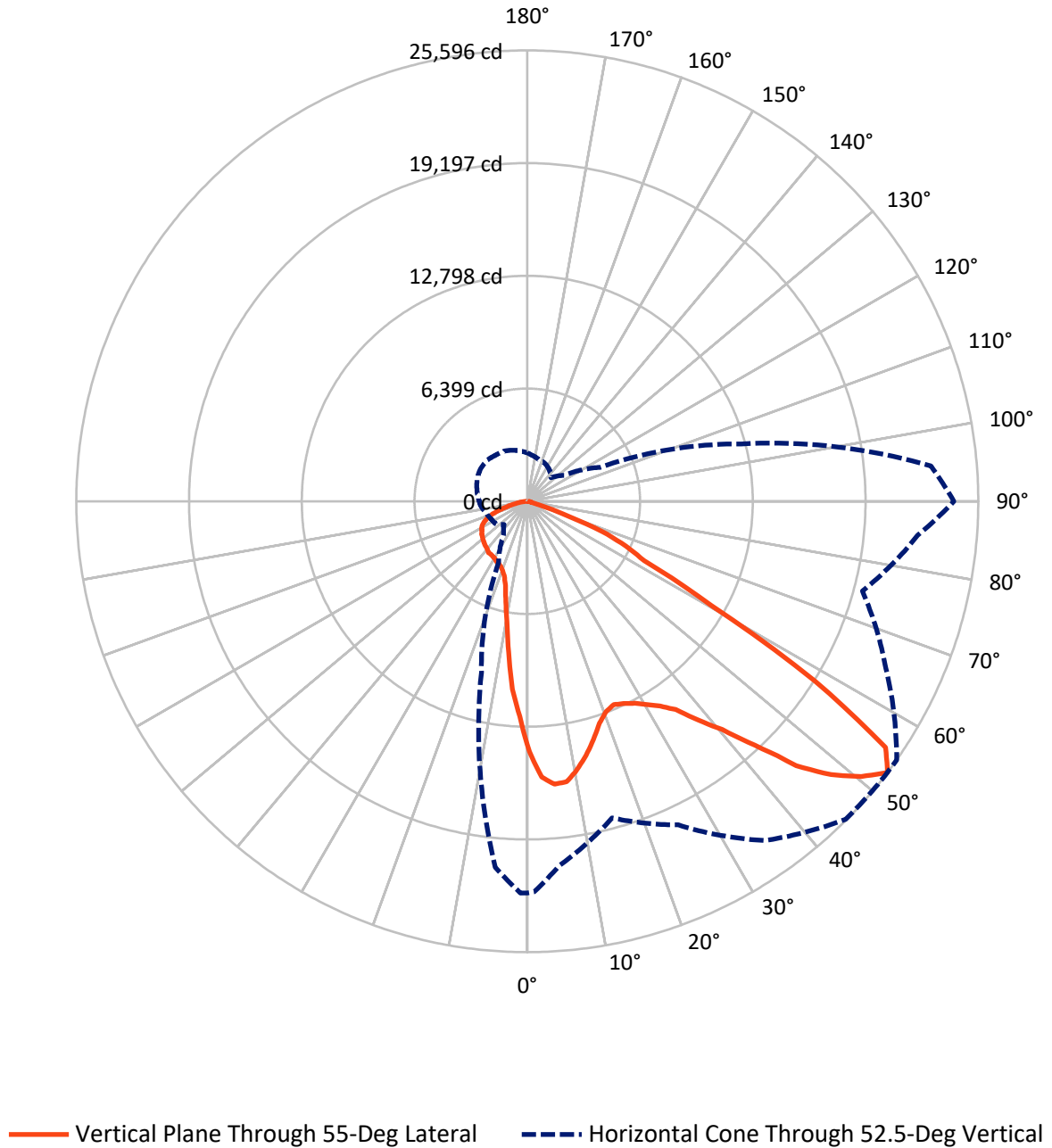
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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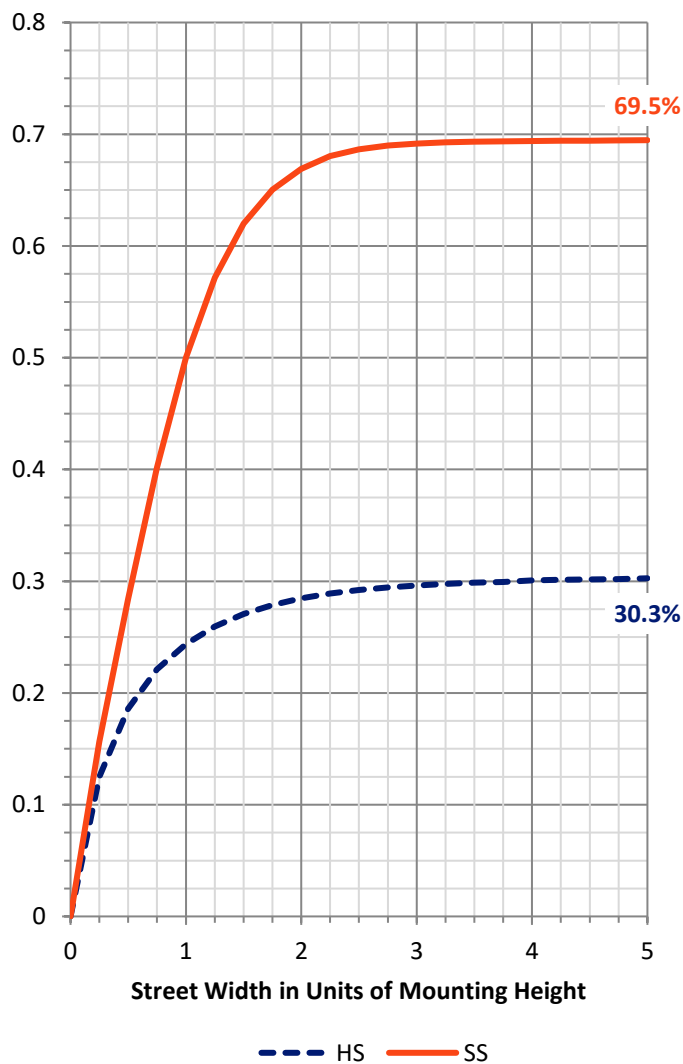
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9724.5	0.0	9724.5
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	22153.5	0.0	22153.5
	% Fixture	69.5	0.0	69.5
Total	Lumens	31878.0	0.0	31878.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1086.4	3.4
10°-20°	2342.4	7.3
20°-30°	3551.8	11.1
30°-40°	5131.8	16.1
40°-50°	6857.5	21.5
50°-60°	7654.5	24.0
60°-70°	4198.9	13.2
70°-80°	907.8	2.8
80°-90°	146.9	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°	31878.0	100.0
0°-180°	31878.0	100.0

Coefficient of Utilization



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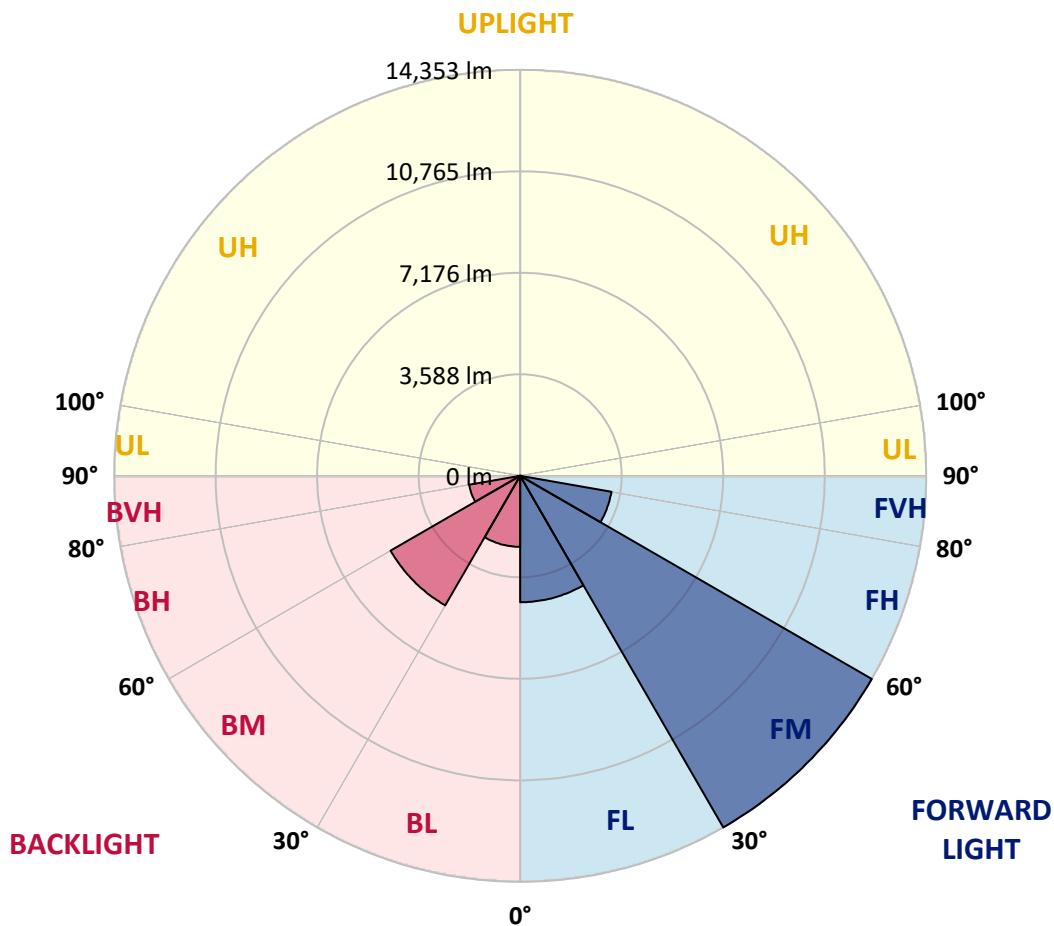
CATALOG NUMBER: GALN-SA8B-735-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4469.9	14.0			
FM (30°-60°)	14353.0	45.0			
FH (60°-80°)	3276.3	10.3			G2/5000
FVH (80°-90°)	54.4	0.2			G1/100
BL (0°-30°)	2510.7	7.9	B4/5000		
BM (30°-60°)	5290.9	16.6	B4/8500		
BH (60°-80°)	1830.4	5.7	B3/2500		G3/2500
BVH (80°-90°)	92.5	0.3			G1/100
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°	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1
2.5°	14922.9	14839.1	14913.6	15267.4	15472.2	15611.8	15700.2	15686.3	15351.1	15025.3	15025.3
5°	14485.4	14378.3	14531.9	15332.5	16137.8	16207.6	16324.0	16133.1	15639.7	15043.9	14299.2
7.5°	13219.3	13298.4	13554.4	14606.4	15653.7	16179.7	16319.3	16077.3	15276.7	14164.2	13070.3
10°	12125.4	12311.6	12902.8	14038.5	15002.0	15686.3	15839.9	15500.1	14867.1	13503.2	12525.7
12.5°	11748.4	11632.1	12288.4	13424.1	14345.7	14713.5	14783.3	14806.5	14378.3	13168.1	11976.5
15°	11701.9	11776.3	12288.4	13149.5	13717.3	13736.0	13852.3	14033.9	14089.7	13396.2	12232.5
17.5°	12372.1	12283.7	12809.7	13493.9	13224.0	12954.0	12981.9	13242.6	13703.4	13591.7	13037.8
20°	13363.6	13563.7	13978.0	13908.2	13182.1	12497.8	12502.5	12749.2	13656.8	14401.6	14159.5
22.5°	15011.3	15206.8	15514.1	14671.6	13182.1	12362.8	12204.6	12539.7	13954.7	15365.1	15425.6
25°	16514.8	16873.2	16957.0	15965.6	13843.0	12488.5	12386.1	12716.6	14252.6	16305.4	16877.9
27.5°	17883.3	18013.6	18381.3	16798.7	14210.7	12572.3	12563.0	12986.6	14629.7	16775.5	18176.5
30°	18963.2	18949.2	19158.7	17324.7	14797.2	13042.4	12590.9	13391.5	15123.1	17552.8	19377.4
32.5°	19698.6	19856.9	20299.1	18055.5	15043.9	13489.3	13135.5	13866.3	15723.5	17920.5	20224.6
35°	20992.6	21267.2	20708.7	18460.5	15825.9	13931.5	13517.2	14513.3	16021.4	18320.8	21262.6
37.5°	22212.1	22002.7	21434.8	18679.2	16333.3	14750.7	14364.3	15765.4	16947.7	19191.3	21951.5
40°	22994.1	22989.5	21979.4	18856.1	16691.7	16002.8	15979.5	17036.1	18083.4	19740.5	22724.2
42.5°	23333.9	23659.7	22202.8	18837.5	17445.7	17520.2	17990.3	18935.2	18888.7	19852.2	22705.5
44°	23799.4	23994.9	22589.2	18879.4	17948.5	18544.3	19652.1	20252.5	19591.6	19791.7	22682.3
45°	23780.8	23794.7	22039.9	18935.2	18376.7	19400.7	20392.2	21406.9	20210.6	19661.4	22989.5
47.5°	23236.2	23077.9	21574.5	18521.0	19712.6	21662.9	22579.9	23194.3	20974.0	19382.1	22607.8
50°	22160.9	21979.4	20443.4	18344.1	19991.9	23068.6	24334.7	24558.1	21667.5	19107.5	22230.8
52.5°	22235.4	22184.2	20764.5	18609.4	20271.1	23510.8	25540.2	25596.1	22454.2	19684.7	22235.4
55°	23566.7	23389.8	21686.2	18939.9	20066.3	22994.1	24772.2	24674.5	22188.9	19335.5	22645.0
57.5°	21565.1	21681.5	20410.8	17631.9	17562.1	18693.2	19475.2	19233.1	18516.3	17450.4	21067.1
60°	17399.2	17729.7	17850.7	14746.0	13251.9	12670.0	12437.3	12009.1	12130.1	14336.4	18507.0
62.5°	14922.9	14904.3	15663.0	13368.2	8681.0	7466.1	7354.4	7452.1	8848.6	14113.0	18125.3
65°	11832.2	12148.7	12381.5	11329.5	6870.3	5543.7	5539.1	6158.1	7657.0	11795.0	14634.3
67.5°	7512.7	7926.9	8215.5	7247.3	4594.2	3947.2	3840.1	4584.9	5306.3	7736.1	8811.3
70°	4235.8	4431.3	4561.6	4179.9	2923.1	2048.1	1927.0	2103.9	3207.1	5008.4	5222.6
72.5°	1633.8	1722.2	1899.1	1913.1	1103.2	661.0	535.3	642.3	1349.9	1982.9	1889.8
75°	251.4	270.0	381.7	456.2	316.5	242.0	256.0	265.3	377.0	512.0	428.2
77.5°	121.0	121.0	116.4	135.0	158.3	172.2	186.2	204.8	223.4	246.7	237.4
80°	79.1	79.1	79.1	93.1	116.4	139.6	158.3	167.6	176.9	195.5	186.2
82.5°	51.2	51.2	51.2	69.8	93.1	116.4	125.7	148.9	167.6	195.5	181.5
85°	27.9	27.9	27.9	46.5	69.8	97.7	93.1	74.5	41.9	4.7	9.3
87.5°	9.3	9.3	9.3	9.3	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°	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1
2.5°	14634.3	14420.2	14401.6	13964.0	13573.1	13382.2	13228.6	12800.4	12893.5	12646.8	12642.1
5°	13926.8	13489.3	12781.8	12199.9	11618.1	11501.7	10994.4	10552.2	10566.1	10249.6	10305.5
7.5°	12656.1	12353.5	11492.4	10580.1	9807.4	9258.2	8778.7	8490.1	8122.4	7996.7	7931.6
10°	11850.8	11478.4	10510.3	9365.2	8499.4	8206.2	7745.4	7489.4	7112.4	6926.2	6795.8
12.5°	11497.1	10952.5	9742.2	8578.6	8001.4	7698.8	7307.9	6842.4	6395.5	6223.3	5985.9
15°	11534.3	10882.6	9518.8	8262.1	7568.5	6982.0	6632.9	6116.3	5660.1	5357.5	5185.3
17.5°	12097.5	11306.2	9621.2	8020.0	7023.9	6288.5	5604.2	5045.7	4682.6	4454.5	4398.7
20°	13428.8	12353.5	9793.5	7629.0	6479.3	5562.3	4719.8	4138.0	3858.7	3854.1	3858.7
22.5°	14536.6	13470.7	10142.6	7396.3	5934.7	4631.4	3793.6	3607.4	3551.5	3667.9	3681.9
25°	16030.7	14727.4	10743.0	7275.3	5432.0	3947.2	3430.5	3360.7	3356.0	3505.0	3509.6
27.5°	17562.1	15825.9	11101.4	6921.5	4920.0	3593.4	3211.7	3197.8	3272.2	3430.5	3416.5
30°	18604.8	16747.5	11748.4	6497.9	4314.9	3281.6	3123.3	3141.9	3244.3	3365.3	3384.0
32.5°	19819.6	17655.2	11916.0	6265.2	3942.5	3020.9	2909.2	2951.1	3081.4	3272.2	3374.6
35°	21211.4	18297.6	12172.0	5948.7	3802.9	2820.7	2764.9	2811.4	2969.7	3095.4	3207.1
37.5°	22240.1	19433.3	12218.5	5702.0	3649.3	2709.0	2620.6	2774.2	2867.3	3044.2	3100.0
40°	23003.4	20257.2	12339.6	5548.4	3528.2	2564.7	2564.7	2667.1	2792.8	2955.7	3067.4
42.5°	23492.2	20857.6	12428.0	5408.7	3295.5	2522.8	2499.6	2602.0	2769.5	2927.8	2979.0
44°	23790.1	21113.6	12339.6	5278.4	3230.3	2471.6	2471.6	2560.1	2690.4	2876.6	2937.1
45°	23864.6	21434.8	12144.1	5273.8	3151.2	2411.1	2401.8	2569.4	2657.8	2885.9	2923.1
47.5°	24153.1	21830.5	12167.3	5124.8	2960.4	2266.8	2429.7	2504.2	2583.3	2783.5	2909.2
50°	24143.8	22077.2	12116.1	4906.0	2820.7	2103.9	2373.9	2457.7	2536.8	2741.6	2792.8
52.5°	24209.0	22998.8	12586.3	4556.9	2569.4	1894.5	2187.7	2373.9	2471.6	2643.9	2750.9
55°	24176.4	23524.8	13051.7	4296.3	2215.6	1768.8	2029.4	2248.2	2387.9	2569.4	2620.6
57.5°	22081.8	20792.5	12078.9	3807.5	1833.9	1619.8	1806.0	2117.9	2294.8	2480.9	2546.1
60°	18041.5	16026.1	9961.0	2802.1	1508.1	1489.5	1680.3	2076.0	2150.5	2313.4	2425.1
62.5°	16673.1	14057.1	7899.0	2141.2	1289.3	1363.8	1550.0	1875.8	1992.2	2192.4	2294.8
65°	13047.1	9337.3	4892.1	1447.6	1135.7	1224.2	1401.1	1643.1	1833.9	2020.1	2141.2
67.5°	7726.8	5101.5	2420.4	1014.7	991.4	1084.5	1266.1	1447.6	1666.4	1871.2	1931.7
70°	4207.8	2508.9	1033.3	772.7	842.5	926.3	1103.2	1228.8	1438.3	1596.6	1699.0
72.5°	1349.9	763.4	516.7	572.5	642.3	740.1	847.2	1000.8	1149.7	1242.8	1326.6
75°	325.8	321.2	367.7	400.3	465.5	539.9	628.4	707.5	823.9	912.3	986.8
77.5°	228.1	246.7	283.9	330.5	353.8	381.7	437.5	498.1	549.3	614.4	661.0
80°	176.9	190.8	218.8	242.0	265.3	288.6	316.5	339.8	372.4	414.3	437.5
82.5°	167.6	176.9	204.8	218.8	209.5	204.8	223.4	232.7	237.4	251.4	265.3
85°	14.0	0.0	9.3	32.6	79.1	116.4	125.7	125.7	121.0	130.3	130.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	18.6	14.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1
2.5°	12586.3	12428.0	12488.5	12563.0	12455.9	12209.2	12274.4	12246.5	12497.8	12479.2	12730.6
5°	10552.2	10305.5	10333.4	10696.5	10580.1	10705.8	10454.4	10421.8	10468.4	10491.7	10533.5
7.5°	8075.9	8043.3	8322.6	8629.8	8774.1	8625.1	8378.4	8322.6	8271.4	8169.0	8401.7
10°	6591.0	6600.3	6581.7	6814.5	6977.4	6944.8	6795.8	6777.2	6679.5	6642.2	6772.6
12.5°	5883.5	5757.8	5697.3	5622.9	5748.5	5832.3	5767.2	5720.6	5725.3	5771.8	5790.4
15°	5199.3	5120.2	4989.8	4906.0	4966.5	4924.7	4901.4	4994.5	4971.2	4961.9	5073.6
17.5°	4431.3	4496.4	4487.1	4394.0	4473.1	4440.6	4435.9	4370.7	4282.3	4217.1	4254.4
20°	3923.9	4044.9	4138.0	4142.7	4184.6	4179.9	4110.1	3909.9	3844.8	3830.8	3840.1
22.5°	3742.4	3807.5	3919.2	4077.5	4077.5	4003.0	3919.2	3686.5	3626.0	3560.8	3532.9
25°	3598.1	3723.7	3868.0	3886.7	3961.1	3891.3	3756.3	3640.0	3514.3	3425.8	3425.8
27.5°	3523.6	3663.2	3770.3	3802.9	3905.3	3849.4	3709.8	3560.8	3411.9	3407.2	3328.1
30°	3491.0	3621.3	3691.2	3770.3	3816.8	3728.4	3686.5	3528.2	3379.3	3342.1	3211.7
32.5°	3393.3	3579.5	3709.8	3691.2	3728.4	3691.2	3630.7	3500.3	3332.8	3249.0	3235.0
35°	3281.6	3467.7	3607.4	3705.1	3728.4	3649.3	3612.0	3435.2	3207.1	3165.2	3020.9
37.5°	3221.0	3332.8	3505.0	3663.2	3695.8	3653.9	3528.2	3346.7	3118.6	3072.1	2946.4
40°	3146.6	3290.9	3425.8	3556.2	3653.9	3551.5	3407.2	3230.3	3127.9	2988.3	2951.1
42.5°	3090.7	3253.6	3365.3	3509.6	3621.3	3486.4	3318.8	3197.8	3053.5	2960.4	2853.3
44°	3072.1	3221.0	3295.5	3472.4	3565.5	3463.1	3323.4	3197.8	3030.2	2946.4	2853.3
45°	3006.9	3211.7	3290.9	3449.1	3528.2	3444.5	3267.6	3141.9	3020.9	2918.5	2820.7
47.5°	2941.8	3081.4	3216.4	3342.1	3397.9	3370.0	3221.0	3067.4	2923.1	2862.6	2769.5
50°	2923.1	3062.8	3188.5	3304.8	3370.0	3314.1	3179.1	3030.2	2862.6	2764.9	2685.8
52.5°	2830.0	3002.3	3141.9	3179.1	3262.9	3230.3	3127.9	2965.0	2806.8	2723.0	2657.8
55°	2695.1	2876.6	3067.4	3114.0	3235.0	3183.8	3030.2	2876.6	2741.6	2615.9	2532.1
57.5°	2643.9	2820.7	3006.9	3067.4	3141.9	3058.1	3020.9	2858.0	2643.9	2578.7	2448.4
60°	2513.5	2737.0	2890.6	3030.2	3034.9	3011.6	2946.4	2760.2	2583.3	2462.3	2369.2
62.5°	2411.1	2620.6	2741.6	2871.9	2951.1	2885.9	2820.7	2648.5	2457.7	2322.7	2215.6
65°	2262.2	2453.0	2555.4	2634.6	2723.0	2713.7	2602.0	2476.3	2276.1	2169.1	2066.7
67.5°	2034.1	2201.7	2341.3	2415.8	2471.6	2457.7	2373.9	2285.4	2080.6	1973.6	1899.1
70°	1759.5	1931.7	2020.1	2062.0	2117.9	2145.8	2080.6	2038.8	1857.2	1717.6	1647.8
72.5°	1415.0	1526.7	1657.1	1694.3	1717.6	1736.2	1736.2	1699.0	1512.8	1456.9	1335.9
75°	1042.6	1131.1	1228.8	1228.8	1270.7	1275.4	1284.7	1261.4	1121.8	1047.3	1019.4
77.5°	707.5	772.7	851.8	884.4	912.3	907.7	903.0	837.8	763.4	730.8	702.9
80°	460.8	526.0	563.2	605.1	633.0	628.4	637.7	591.1	558.6	502.7	512.0
82.5°	274.6	325.8	363.1	414.3	414.3	428.2	428.2	414.3	381.7	353.8	353.8
85°	130.3	172.2	195.5	228.1	246.7	251.4	223.4	190.8	158.3	144.3	158.3
87.5°	23.3	32.6	46.5	41.9	51.2	46.5	46.5	46.5	46.5	37.2	41.9
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1	14220.1
2.5°	12637.5	12870.2	13033.1	13303.1	13768.5	14140.9	14522.6	14806.5	14839.1	14922.9
5°	10687.2	10812.8	11227.1	11767.0	12148.7	12777.1	13182.1	13917.5	14192.1	14485.4
7.5°	8345.8	8550.7	9104.6	9467.6	10305.5	11092.1	11906.7	12814.3	13177.4	13219.3
10°	7037.9	7335.8	7712.8	8294.6	8750.8	9625.9	10640.6	11650.7	12055.6	12125.4
12.5°	6181.4	6563.1	7065.8	7484.7	7922.3	8685.6	9658.5	10905.9	11431.9	11748.4
15°	5357.5	5753.2	6307.1	6888.9	7275.3	8187.6	9332.6	10738.4	11422.6	11701.9
17.5°	4510.4	4878.1	5334.3	5962.6	6740.0	7764.0	9281.4	11296.9	12046.3	12372.1
20°	3784.3	3989.1	4519.7	5166.7	6139.5	7331.1	9300.1	12120.8	13219.3	13363.6
22.5°	3500.3	3546.9	3756.3	4352.1	5418.0	6888.9	9630.5	13289.1	14536.6	15011.3
25°	3281.6	3272.2	3328.1	3728.4	4892.1	6716.7	9956.4	14364.3	15998.1	16514.8
27.5°	3160.5	3067.4	3072.1	3449.1	4519.7	6437.4	10375.3	15597.8	17655.2	17883.3
30°	3100.0	3081.4	3025.5	3179.1	4114.7	6018.5	10445.1	16812.7	18632.7	18963.2
32.5°	3062.8	2881.2	2811.4	2867.3	3733.1	5562.3	10705.8	17613.3	19842.9	19698.6
35°	2876.6	2713.7	2667.1	2723.0	3463.1	5306.3	10533.5	18311.5	20750.6	20992.6
37.5°	2806.8	2662.5	2569.4	2522.8	3211.7	5092.2	10445.1	19386.8	21630.3	22212.1
40°	2741.6	2588.0	2476.3	2429.7	3016.2	4808.3	10417.2	20215.3	22645.0	22994.1
42.5°	2667.1	2569.4	2443.7	2359.9	2778.8	4524.4	10096.0	20471.3	22956.9	23333.9
44°	2643.9	2494.9	2364.6	2336.7	2685.8	4380.1	10030.8	20704.0	23226.9	23799.4
45°	2620.6	2480.9	2332.0	2294.8	2653.2	4300.9	9942.4	20759.9	23673.7	23780.8
47.5°	2555.4	2467.0	2322.7	2220.3	2583.3	4128.7	9677.1	20443.4	23217.6	23236.2
50°	2504.2	2401.8	2252.9	2052.7	2490.3	3984.4	9798.1	20327.0	22119.0	22160.9
52.5°	2448.4	2294.8	2211.0	1866.5	2336.7	3863.4	10054.1	20853.0	22244.7	22235.4
55°	2383.2	2215.6	2010.8	1708.3	2080.6	3709.8	10673.2	21891.0	23408.4	23566.7
57.5°	2280.8	2136.5	1843.3	1568.6	1787.4	3416.5	10473.0	19903.4	21537.2	21565.1
60°	2145.8	2010.8	1671.0	1461.6	1466.2	2695.1	9365.2	15509.4	16994.2	17399.2
62.5°	2015.5	1941.0	1526.7	1308.0	1247.5	2145.8	7917.6	12888.8	14587.8	14922.9
65°	1861.9	1680.3	1401.1	1191.6	1070.6	1503.5	5608.9	9630.5	11380.7	11832.2
67.5°	1666.4	1470.9	1233.5	1047.3	917.0	1005.4	2895.2	5473.9	7247.3	7512.7
70°	1456.9	1275.4	1038.0	884.4	740.1	693.5	1275.4	2611.3	3961.1	4235.8
72.5°	1196.3	1028.7	828.5	698.2	553.9	479.4	428.2	698.2	1405.7	1633.8
75°	865.8	749.4	623.7	498.1	391.0	307.2	251.4	209.5	232.7	251.4
77.5°	637.7	544.6	460.8	353.8	274.6	218.8	172.2	130.3	125.7	121.0
80°	498.1	442.2	367.7	283.9	214.1	162.9	121.0	88.4	79.1	79.1
82.5°	391.0	363.1	302.6	232.7	176.9	130.3	88.4	60.5	51.2	51.2
85°	148.9	148.9	218.8	190.8	135.0	93.1	60.5	32.6	27.9	27.9
87.5°	37.2	37.2	37.2	37.2	32.6	27.9	27.9	14.0	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

(END OF REPORT)