Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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: P941907

Luminaire Tested: **GALN-SB5C-930-U-T3**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P941907
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB5C-930-U-T3
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(5) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	26335 lumens
Efficiency:	N/A
Efficacy:	105.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	249.5
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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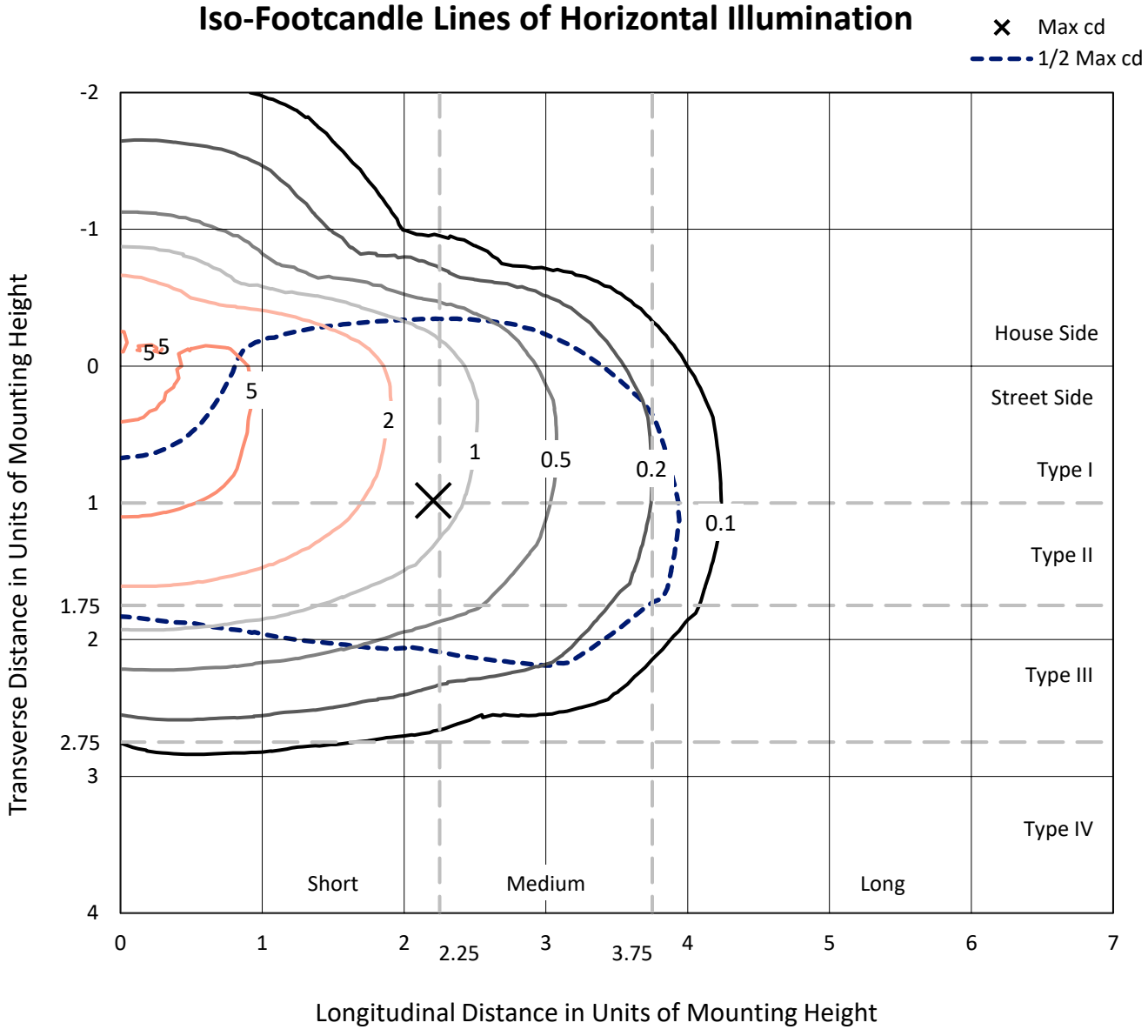
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
Type III - Short - N/A

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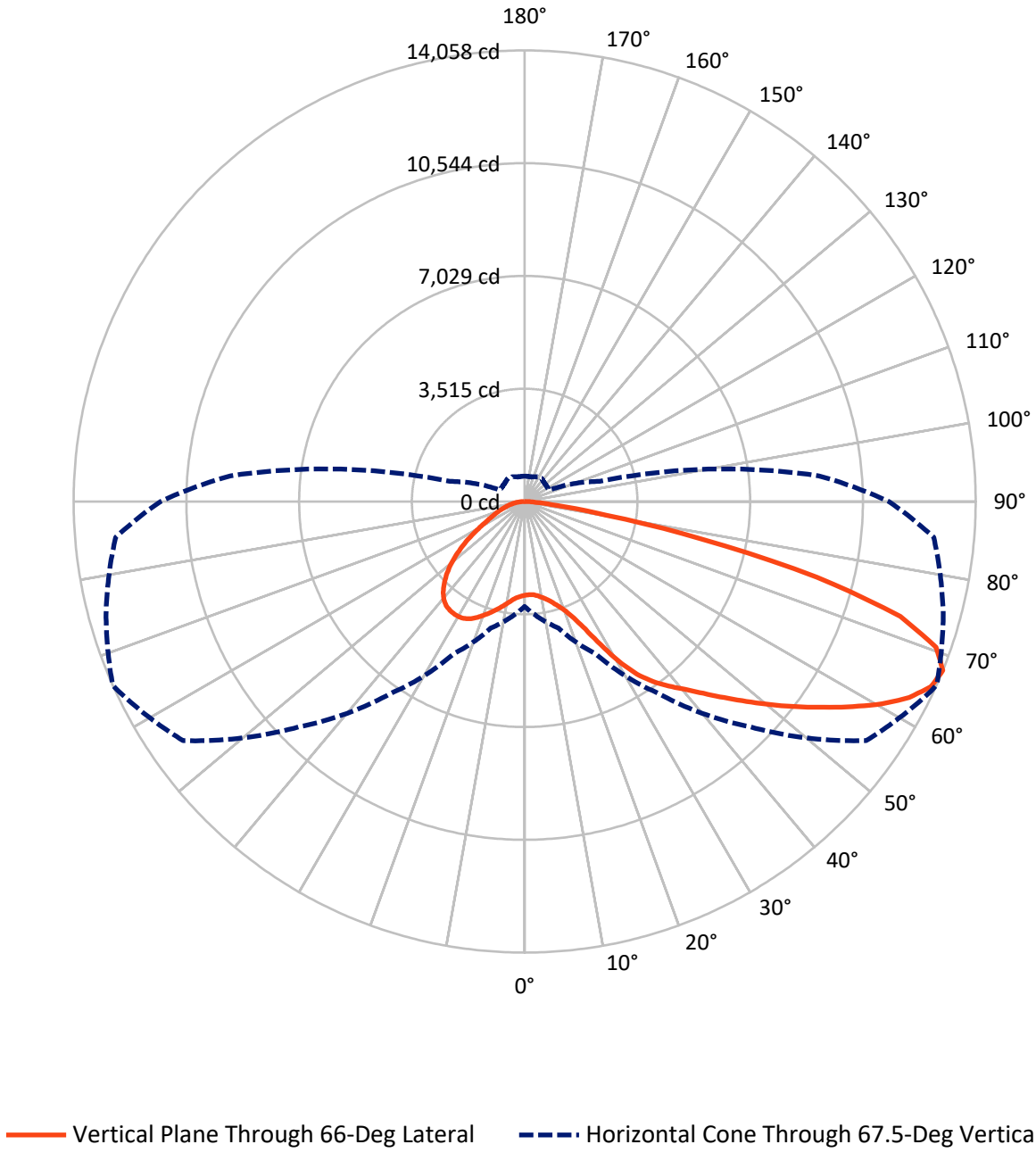
Luminous Intensity Polar Plot



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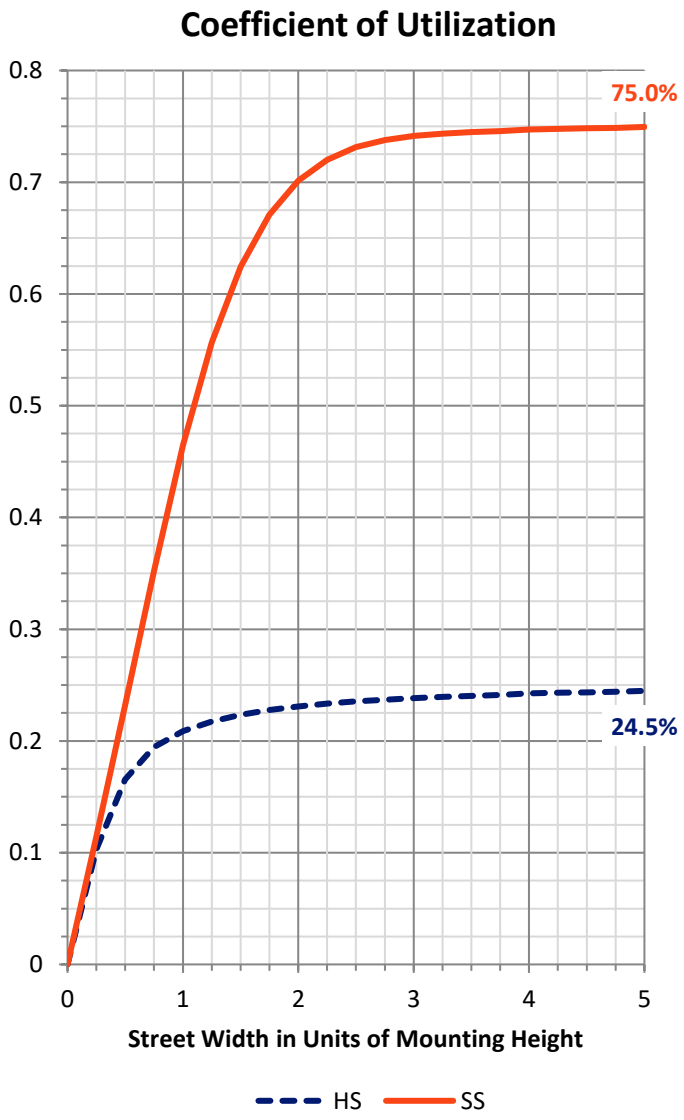
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6548.1	0.0	6548.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	19786.9	0.0	19786.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	26335.0	0.0	26335.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.6	1.1
10°-20°	956.8	3.6
20°-30°	1844.2	7.0
30°-40°	3233.5	12.3
40°-50°	4807.1	18.3
50°-60°	6093.5	23.1
60°-70°	5962.3	22.6
70°-80°	2844.1	10.8
80°-90°	304.0	1.2
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°	26335.0	100.0
0°-180°	26335.0	100.0



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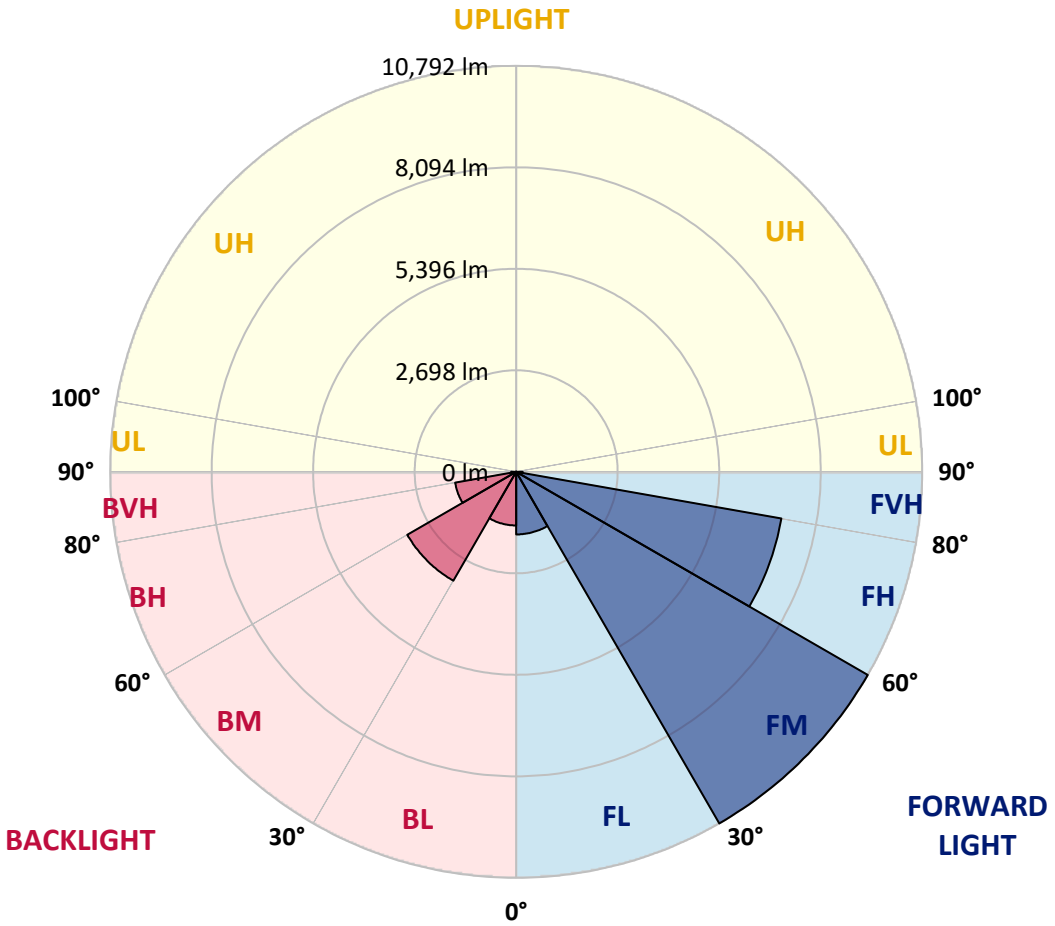
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1664.1	6.3			
FM	(30°-60°)	10791.9	41.0			
FH	(60°-80°)	7158.6	27.2			G3/7500
FVH	(80°-90°)	172.3	0.7			G2/225
BL	(0°-30°)	1426.4	5.4	B3/2500		
BM	(30°-60°)	3342.2	12.7	B3/5000		
BH	(60°-80°)	1647.8	6.3	B3/2500		G3/2500
BVH	(80°-90°)	131.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2920.9	2920.9	2920.9	2920.9	2920.9	2920.9	2920.9	2920.9	2920.9	2920.9
2.5°	2890.5	2907.1	2902.9	2896.0	2894.6	2897.4	2901.5	2905.7	2904.3	2911.2
5°	2882.2	2898.8	2897.4	2897.4	2902.9	2914.0	2920.9	2927.8	2920.9	2929.2
7.5°	2887.7	2900.1	2905.7	2911.2	2925.1	2945.8	2962.4	2977.6	2969.3	2979.0
10°	2958.3	2967.9	2973.5	2973.5	2983.2	3006.7	3023.3	3051.0	3044.0	3059.3
12.5°	3086.9	3096.6	3096.6	3091.1	3098.0	3113.2	3118.8	3149.2	3136.7	3161.7
15°	3244.7	3264.0	3248.8	3239.1	3241.9	3257.1	3255.7	3279.3	3266.8	3287.6
17.5°	3419.0	3443.9	3419.0	3417.6	3412.1	3428.7	3430.1	3450.8	3428.7	3443.9
20°	3625.2	3659.8	3639.0	3645.9	3633.5	3640.4	3647.3	3677.8	3643.2	3654.2
22.5°	3915.7	3957.3	3935.1	3961.4	3953.1	3947.6	3946.2	4000.2	3946.2	3950.3
25°	4339.1	4389.0	4350.2	4386.2	4386.2	4404.2	4424.9	4494.1	4404.2	4377.9
27.5°	4964.6	5014.4	4938.3	4960.4	4953.5	4997.8	4975.6	5147.2	5050.3	5007.5
30°	5717.3	5805.8	5661.9	5656.4	5649.5	5720.0	5751.9	5865.3	5767.1	5724.2
32.5°	6530.9	6623.6	6452.0	6402.2	6375.9	6418.8	6392.5	6483.8	6416.0	6349.6
35°	7391.5	7482.8	7319.5	7222.7	7117.5	7027.6	6933.5	6957.0	6893.4	6792.4
37.5°	8205.1	8372.5	8199.6	8095.8	7902.1	7726.3	7463.4	7354.1	7294.6	7201.9
40°	9033.9	9129.4	8997.9	8909.4	8699.1	8423.7	8003.1	7772.0	7691.7	7601.8
42.5°	9644.1	9735.4	9664.8	9604.0	9439.3	9119.7	8575.9	8286.7	8170.5	8069.5
45°	10128.4	10196.2	10151.9	10174.0	10103.5	9793.5	9169.5	8838.8	8718.4	8595.3
47.5°	10323.5	10395.4	10466.0	10597.4	10717.8	10489.5	9807.4	9436.5	9309.2	9183.3
50°	10301.3	10374.7	10579.4	10858.9	11232.5	11156.4	10479.8	10073.0	9955.4	9811.5
52.5°	10124.2	10207.2	10470.1	10935.0	11530.0	11655.9	11164.7	10730.3	10619.6	10448.0
55°	9659.3	9709.1	10103.5	10762.1	11600.6	12004.6	11835.8	11430.4	11319.7	11080.3
57.5°	8797.3	8869.2	9443.5	10295.8	11423.5	12241.2	12425.2	12166.5	12060.0	11715.4
60°	7672.4	7787.2	8444.5	9512.6	10972.4	12239.8	12960.7	12890.1	12801.6	12340.8
62.5°	6399.4	6532.2	7164.6	8405.7	10183.7	11892.5	13295.6	13496.2	13450.5	12917.8
65°	4914.7	5006.1	5635.6	6973.6	8956.4	11146.7	13334.3	13909.9	13918.2	13356.4
67.5°	3272.3	3535.2	4081.8	5233.0	7312.6	9927.7	12993.9	13977.7	14058.0	13507.3
70°	1596.7	1942.7	2478.1	3401.0	5233.0	8058.4	12104.2	13421.5	13600.0	13067.3
72.5°	662.8	774.8	1066.8	1678.4	3003.9	5437.8	10316.5	11913.3	12244.0	11578.4
75°	446.9	484.3	610.2	860.6	1368.4	2681.5	7439.9	8883.1	9415.8	8744.7
77.5°	344.5	368.1	444.2	601.9	813.6	1014.2	3982.2	5353.4	5628.7	5210.9
80°	271.2	289.2	332.1	438.6	577.0	542.4	1357.4	2425.6	2584.7	2168.2
82.5°	235.2	242.1	238.0	297.5	383.3	316.9	445.5	895.2	987.9	716.7
85°	170.2	189.6	197.9	184.0	203.4	160.5	182.6	316.9	348.7	311.3
87.5°	69.2	102.4	125.9	119.0	74.7	45.7	56.7	92.7	106.5	116.2
90°	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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2920.9	0°	2920.9	2920.9	2920.9	2920.9	2920.9	2920.9	2920.9	2920.9	2920.9	2920.9
2922.3	2.5°	2923.7	2933.4	2940.3	2948.6	2954.1	2962.4	2979.0	2988.7	2990.1	2997.0
2944.4	5°	2950.0	2963.8	2979.0	3001.2	3026.1	3046.8	3078.6	3100.8	3109.1	3116.0
2998.4	7.5°	3006.7	3026.1	3053.7	3092.5	3128.4	3156.1	3194.9	3221.2	3247.4	3257.1
3084.2	10°	3091.1	3118.8	3158.9	3211.5	3250.2	3286.2	3326.3	3348.4	3374.7	3385.8
3186.6	12.5°	3196.2	3225.3	3277.9	3351.2	3387.2	3412.1	3425.9	3420.4	3425.9	3435.6
3309.7	15°	3316.6	3348.4	3407.9	3486.8	3511.7	3489.6	3459.1	3431.5	3427.3	3430.1
3459.1	17.5°	3459.1	3482.7	3551.8	3618.3	3600.3	3509.0	3442.5	3398.3	3376.1	3369.2
3650.1	20°	3658.4	3658.4	3715.1	3756.6	3636.3	3481.3	3377.5	3305.6	3259.9	3240.5
3910.2	22.5°	3900.5	3878.4	3914.4	3885.3	3629.3	3403.8	3259.9	3135.4	3066.2	3038.5
4274.1	25°	4207.7	4181.4	4171.7	3991.8	3579.5	3280.7	3046.8	2896.0	2835.1	2819.9
4798.5	27.5°	4671.2	4604.8	4478.9	4050.0	3488.2	3086.9	2797.8	2658.0	2623.4	2624.8
5472.4	30°	5288.3	5155.5	4846.9	4059.6	3338.8	2813.0	2543.2	2443.5	2426.9	2433.9
6038.3	32.5°	5859.8	5733.9	5223.3	4015.4	3109.1	2544.5	2314.9	2248.4	2223.5	2231.8
6470.0	35°	6308.1	6273.5	5572.0	3953.1	2826.8	2292.7	2110.1	2053.3	2004.9	1993.8
6876.8	37.5°	6731.5	6717.7	5833.5	3865.9	2547.3	2114.2	1945.4	1870.7	1800.1	1761.4
7326.5	40°	7196.4	7182.6	6005.1	3731.7	2299.6	1959.3	1797.4	1699.1	1612.0	1541.4
7835.6	42.5°	7719.4	7637.8	6086.7	3539.4	2089.3	1827.8	1677.0	1544.2	1429.3	1364.3
8411.2	45°	8290.9	8106.8	6085.3	3294.5	1912.2	1707.4	1548.3	1360.1	1253.6	1192.7
9002.1	47.5°	8896.9	8555.2	6010.6	3023.3	1740.6	1574.6	1349.1	1205.2	1134.6	1097.2
9644.1	50°	9522.3	8974.4	5883.3	2712.0	1564.9	1423.8	1224.5	1126.3	1072.3	1037.7
10280.6	52.5°	10110.4	9354.9	5729.7	2359.1	1386.4	1277.1	1169.2	1093.1	1036.4	997.6
10897.7	55°	10656.9	9682.8	5512.5	1998.0	1241.1	1178.9	1142.9	1079.3	1014.2	968.6
11524.5	57.5°	11142.6	9895.9	5137.5	1659.0	1137.4	1111.1	1115.2	1055.7	981.0	942.3
12141.6	60°	11546.6	10052.3	4582.7	1344.9	1053.0	1044.7	1072.3	1011.5	924.3	880.0
12663.2	62.5°	11788.8	10049.5	3901.9	1101.4	981.0	983.8	1015.6	956.1	867.6	826.0
12935.8	65°	11768.0	9803.2	3154.7	942.3	911.8	914.6	956.1	895.2	820.5	795.6
12798.8	67.5°	*11351.5*	*9202.7*	*2420.0*	*838.5*	*835.7*	*848.2*	*896.6*	*853.7*	*791.5*	*788.7*
11982.5	70°	10223.8	7956.0	1743.4	755.5	756.9	774.8	838.5	827.4	776.2	781.8
10074.4	72.5°	8198.2	6066.0	1170.6	668.3	669.7	698.7	783.1	806.7	761.0	834.3
7148.0	75°	5459.9	3782.9	752.7	575.6	577.0	614.3	734.7	766.5	719.5	831.6
3719.3	77.5°	2623.4	1700.5	545.2	484.3	484.3	518.9	635.1	686.3	613.0	646.2
1195.5	80°	906.3	639.2	428.9	390.2	381.9	405.4	535.5	595.0	528.6	487.0
390.2	82.5°	357.0	332.1	344.5	303.0	275.3	290.6	416.5	491.2	388.8	351.4
220.0	85°	204.8	215.9	243.5	200.6	159.1	178.5	305.8	352.8	293.3	258.7
72.0	87.5°	55.3	76.1	112.1	103.8	72.0	76.1	145.3	195.1	168.8	130.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

Scaled Data Report

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180°
2920.9
2995.6
3114.6
3258.5
3391.3
3438.4
3439.8
3378.9
3236.4
3034.4
2822.7
2628.9
2457.4
2242.9
2002.2
1762.8
1548.3
1368.4
1189.9
1088.9
1025.3
981.0
950.6
917.4
860.6
813.6
794.2
792.8
780.4
845.4
838.5
592.2
456.6
350.1
264.3
134.2
0.0

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