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

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: P945832

Luminaire Tested: **GALN-SB1C-930-U-T2U-HSS**

Issue Date: 1/21/2025

Report Generated By 670246001

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

Test Information

Test Method:	LM-79-08
Report Number:	P945832
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB1C-930-U-T2U-HSS
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(1) 90 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3983 lumens
Efficiency:	N/A
Efficacy:	73.2 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):	54.4
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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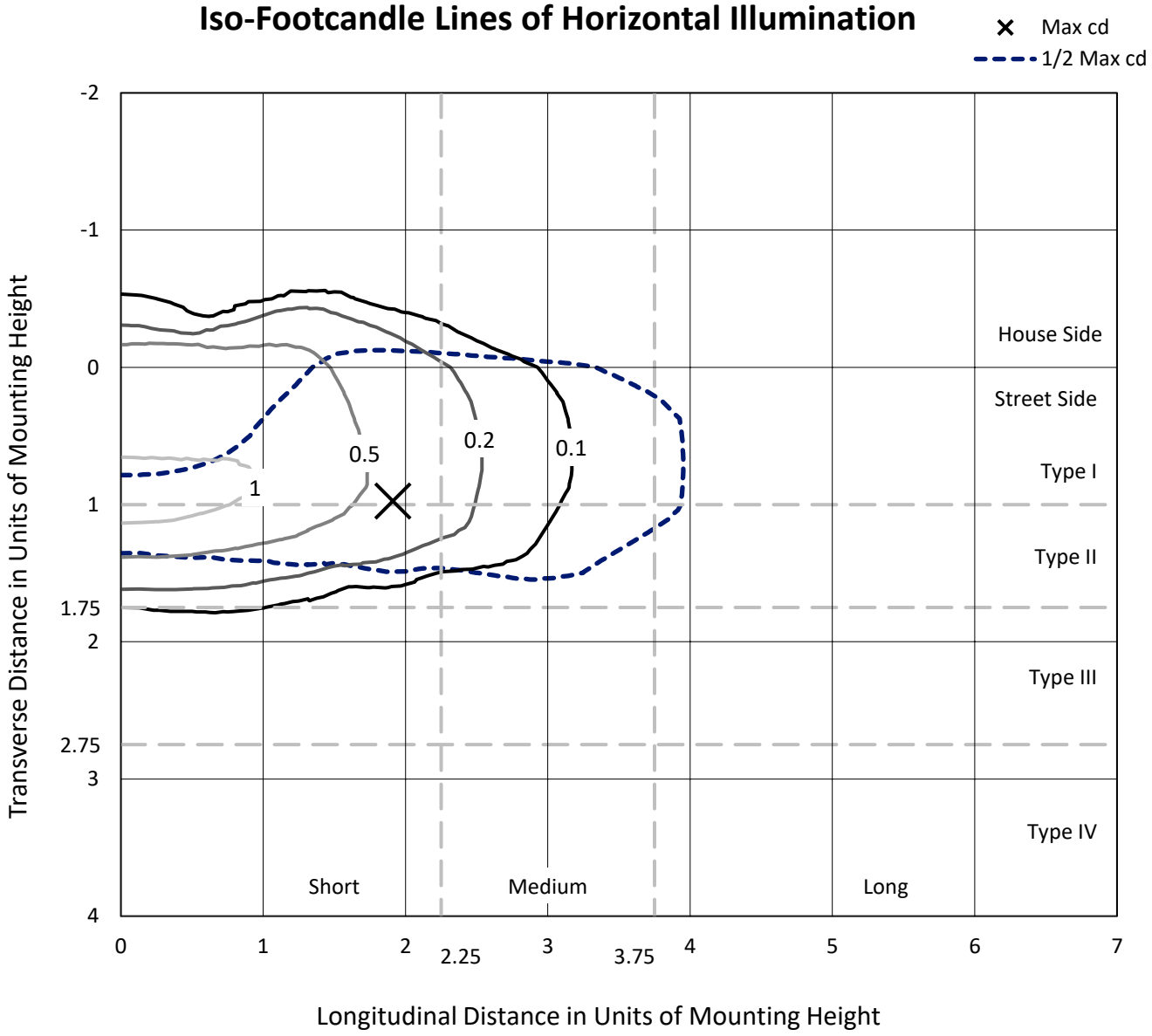
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type II - Short - N/A

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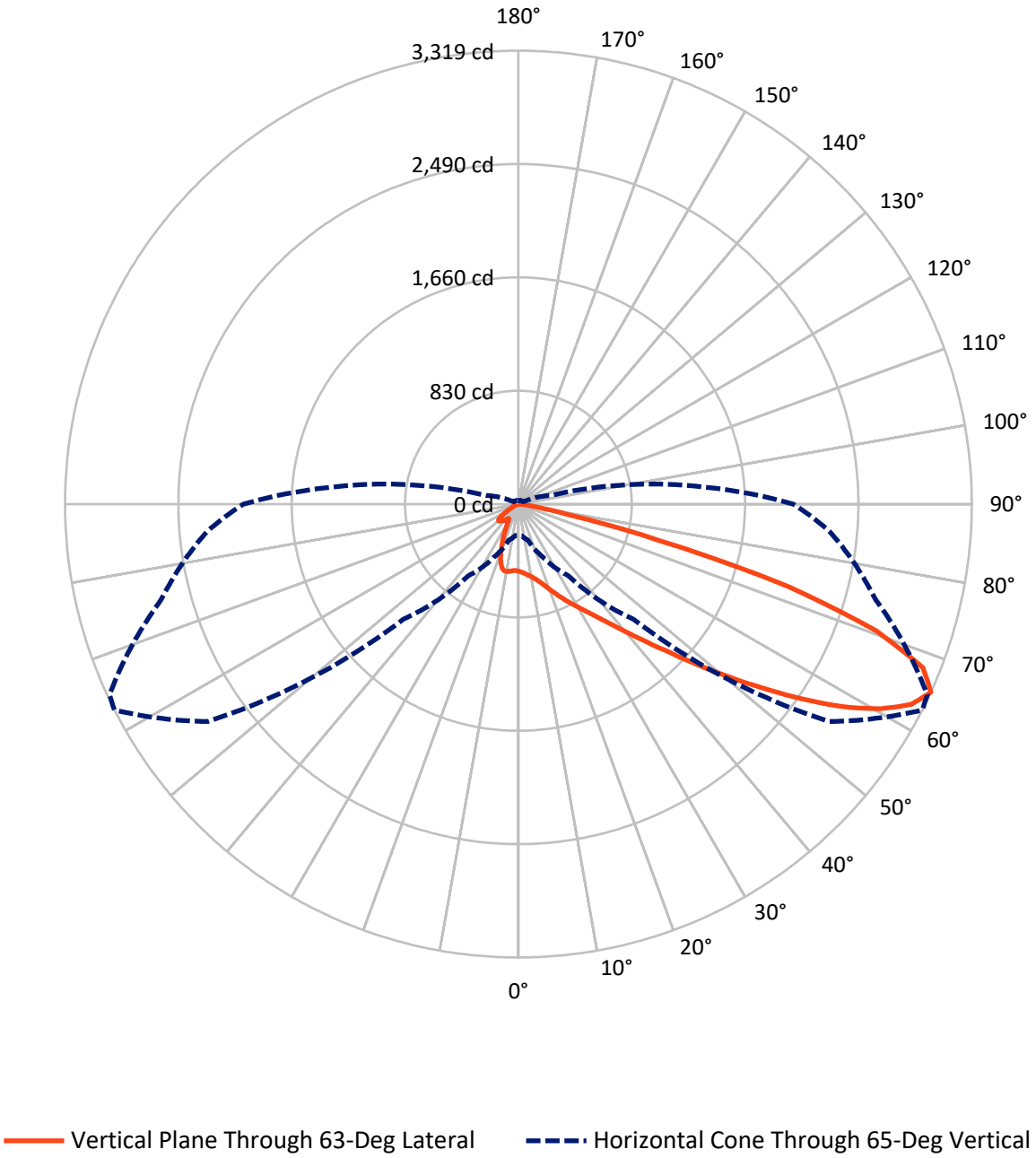
Luminous Intensity Polar Plot



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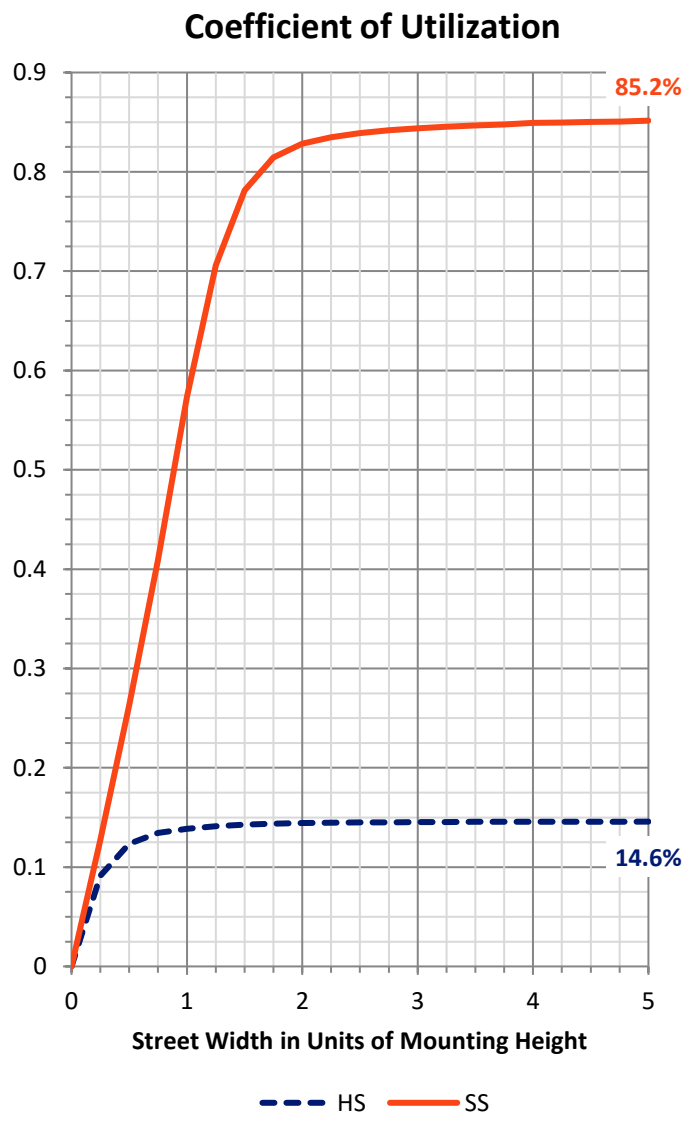
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	585.5	0.0	585.5
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	3397.5	0.0	3397.5
	% Fixture	85.3	0.0	85.3
Total	Lumens	3983.0	0.0	3983.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	1.2
10°-20°	128.5	3.2
20°-30°	223.8	5.6
30°-40°	403.3	10.1
40°-50°	799.9	20.1
50°-60°	1089.6	27.4
60°-70°	869.7	21.8
70°-80°	393.6	9.9
80°-90°	28.3	0.7
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°	3983.0	100.0
0°-180°	3983.0	100.0



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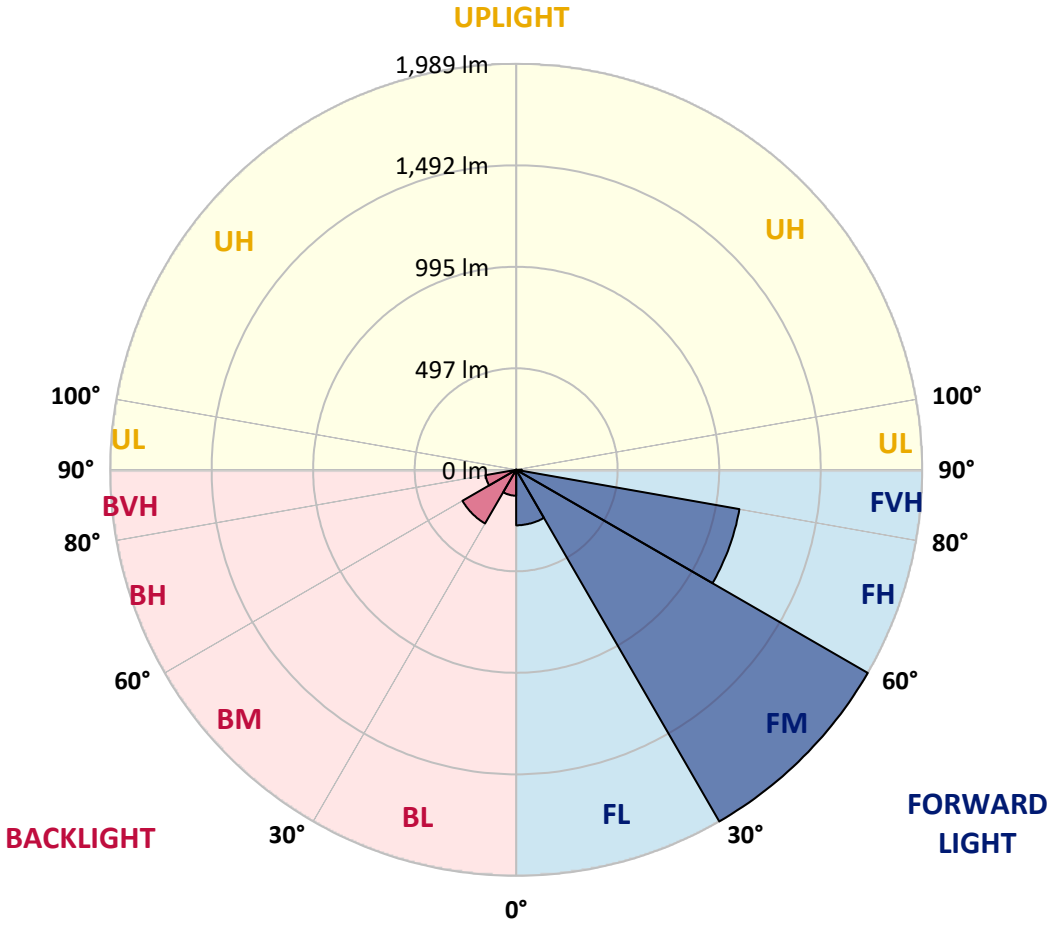
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	271.9	6.8			
FM	(30°-60°)	1989.0	49.9			
FH	(60°-80°)	1110.4	27.9			G1/1800
FVH	(80°-90°)	26.2	0.7			G1/100
BL	(0°-30°)	126.7	3.2	B1/500		
BM	(30°-60°)	303.8	7.6	B1/1000		
BH	(60°-80°)	152.8	3.8	B1/500		G1/500
BVH	(80°-90°)	2.1	0.1			G0/10
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°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	491.6	491.6	491.6	491.6	491.6	491.6	491.6	*491.6*	491.6	491.6
2.5°	503.1	501.7	503.6	502.8	502.3	501.2	500.6	*500.1*	499.0	498.2
5°	504.5	503.6	505.6	507.2	508.8	510.5	511.3	*512.4*	511.3	509.1
7.5°	492.9	492.4	496.5	501.4	508.8	515.1	522.0	*525.8*	526.1	525.3
10°	492.1	490.8	494.9	500.9	510.5	521.7	533.8	*542.0*	543.1	546.7
12.5°	505.0	503.6	509.4	516.0	525.8	537.6	552.4	*563.9*	565.6	570.5
15°	526.7	524.7	531.3	539.8	552.4	565.8	581.5	*591.9*	593.2	599.3
17.5°	551.9	549.9	557.6	566.7	580.4	598.7	616.8	*628.3*	630.0	633.8
20°	584.2	581.7	587.8	596.0	610.5	632.4	654.1	*670.5*	670.2	670.2
22.5°	621.7	617.9	623.1	629.7	643.4	670.0	698.7	*718.2*	718.2	710.5
25°	662.0	658.2	663.9	670.0	682.0	712.2	745.9	*770.0*	771.1	757.9
27.5°	712.4	707.5	711.9	719.0	726.1	756.8	796.8	*824.8*	825.3	805.0
30°	809.4	795.5	781.8	774.1	777.4	807.8	850.5	*881.5*	884.2	856.3
32.5°	987.0	984.3	936.0	873.0	840.1	862.6	910.5	*947.8*	949.5	913.6
35°	1262.9	1259.6	1182.1	1062.1	954.9	936.0	983.4	*1027.5*	1026.4	985.9
37.5°	1592.3	1589.3	1487.1	1326.5	1153.0	1047.0	1077.4	*1123.7*	1130.6	1077.4
40°	1873.7	1862.5	1797.8	1643.0	1416.1	1231.1	1211.1	*1241.8*	1248.9	1185.9
42.5°	2086.9	2077.3	2044.4	1947.7	1734.5	1503.5	1368.7	*1380.5*	1388.4	1312.8
45°	2197.3	2195.1	2208.3	2199.2	2058.9	1837.8	1593.9	*1544.9*	1547.9	1453.4
47.5°	2212.9	2211.8	2271.8	2356.8	2337.9	2214.8	1883.0	*1749.8*	1739.2	1612.0
50°	2120.9	2118.7	2233.7	2392.9	2524.2	2531.6	2211.3	*1980.8*	1957.3	1776.1
52.5°	1826.8	1826.3	2015.4	2280.3	2589.7	2808.9	2535.7	*2234.6*	2195.1	1949.9
55°	1405.7	1415.8	1632.6	1945.8	2470.2	2942.3	2827.0	*2516.3*	2455.7	2124.7
57.5°	995.8	1010.6	1224.8	1503.8	2099.8	2863.4	3024.0	*2798.5*	2733.3	2299.0
60°	534.9	548.0	762.6	1095.5	1562.1	2569.1	3127.8	*3043.5*	2981.8	2464.5
62.5°	318.7	323.1	411.8	707.2	1056.6	1962.7	3083.7	*3230.1*	3179.4	2603.4
65°	*228.8*	*229.6*	*274.3*	*431.8*	*641.5*	*1192.5*	*2774.4*	*3319.4*	*3303.8*	*2708.1*
67.5°	192.6	192.1	210.7	286.9	437.0	597.3	2126.3	*3193.1*	3259.4	2774.4
70°	165.2	166.1	188.0	210.2	328.5	338.1	1057.1	*2780.1*	2921.5	2791.9
72.5°	123.0	125.8	146.0	191.5	248.0	232.6	365.0	*2061.4*	2317.0	2630.5
75°	86.9	88.2	102.8	161.1	185.0	169.3	186.3	*1065.6*	1393.4	2016.7
77.5°	66.9	69.3	77.8	112.6	182.2	118.9	114.0	*368.8*	566.7	1218.3
80°	36.2	40.6	56.2	81.4	128.0	84.1	56.4	*146.9*	192.1	569.7
82.5°	18.6	20.8	39.2	58.6	72.9	73.4	27.9	*61.1*	79.2	175.9
85°	7.4	9.0	26.3	32.3	37.5	36.2	12.6	*24.7*	28.5	48.8
87.5°	1.6	2.7	9.6	7.4	7.1	7.7	3.0	*5.8*	5.5	5.8
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°
491.6	0°	491.6	491.6	491.6	491.6	491.6	491.6	491.6	491.6	491.6	491.6
494.9	2.5°	494.6	493.5	490.5	487.2	483.4	481.2	479.8	479.5	477.6	476.2
505.8	5°	502.8	501.7	496.0	489.1	481.7	476.0	470.5	465.5	458.4	457.1
521.7	7.5°	519.3	516.2	506.9	497.6	483.6	466.9	446.6	423.3	402.5	396.2
542.8	10°	539.5	535.4	523.6	507.2	476.2	430.7	381.7	336.2	300.0	289.9
567.8	12.5°	562.5	559.0	543.4	513.0	445.3	362.8	287.7	231.3	196.2	187.4
594.3	15°	589.9	584.7	563.1	504.2	389.9	275.7	197.6	164.1	151.5	149.9
624.7	17.5°	619.0	610.5	580.6	472.7	315.4	195.9	152.6	143.0	137.6	135.9
655.4	20°	645.6	634.6	591.0	425.0	235.7	152.6	136.7	130.4	125.5	123.6
686.1	22.5°	672.2	656.5	591.0	360.1	176.7	135.4	125.5	119.7	114.0	111.5
719.0	25°	699.8	679.0	580.6	287.7	142.2	124.1	114.8	108.5	103.6	100.6
750.2	27.5°	726.7	697.9	556.8	219.2	126.6	114.3	104.9	98.9	94.3	92.1
784.2	30°	752.2	716.5	523.4	166.3	116.5	104.7	95.9	90.7	86.0	83.8
828.3	32.5°	786.7	740.1	487.7	136.5	107.7	95.6	87.7	82.8	78.6	77.0
885.6	35°	834.6	774.9	457.1	134.0	100.3	88.2	80.3	75.6	71.5	70.1
959.6	37.5°	902.6	831.1	440.9	150.4	94.3	81.7	74.3	69.3	65.5	64.4
1053.6	40°	986.4	907.3	449.7	166.9	90.1	75.9	68.8	63.8	60.6	59.2
1161.5	42.5°	1085.9	1001.2	498.2	179.5	87.4	71.0	63.6	58.1	55.9	55.4
1284.0	45°	1200.2	1104.5	572.4	192.9	83.0	66.3	58.4	54.3	52.6	52.3
1417.2	47.5°	1330.1	1218.0	658.5	209.6	78.6	61.9	54.3	51.5	50.1	49.6
1556.1	50°	1458.8	1332.2	747.0	218.9	75.1	57.8	51.0	48.8	47.7	47.4
1703.0	52.5°	1593.7	1449.8	818.5	210.2	72.1	54.5	48.2	46.6	45.5	45.2
1838.3	55°	1722.2	1544.9	830.8	178.4	66.0	51.2	45.2	44.4	43.0	43.0
1975.6	57.5°	1832.9	1592.6	743.7	131.0	60.0	46.3	42.2	41.4	40.3	40.0
2099.5	60°	1934.5	1578.9	574.1	88.2	53.4	41.4	38.4	37.8	36.7	35.3
2207.2	62.5°	1991.8	1518.6	392.7	57.5	46.9	36.2	34.0	33.7	31.2	28.5
2286.9	65°	*2013.4*	*1394.7*	*245.0*	*41.9*	*39.2*	*31.0*	*29.3*	*28.8*	*25.2*	*22.2*
2332.1	67.5°	1994.5	1190.9	123.6	33.2	31.0	25.8	24.1	24.1	21.6	18.9
2329.4	70°	1918.9	892.7	52.1	26.6	23.8	19.7	19.7	20.8	18.4	15.3
2208.5	72.5°	1754.8	600.6	27.7	20.3	17.8	14.0	16.2	17.0	14.5	11.5
1807.7	75°	1395.0	366.4	19.2	15.1	11.2	9.9	12.3	12.9	9.9	7.7
1239.4	77.5°	954.1	210.4	12.9	9.6	7.1	5.8	8.5	7.9	5.2	3.6
477.9	80°	419.0	87.7	7.4	4.4	2.7	2.2	3.0	2.2	1.6	1.1
65.5	82.5°	49.0	20.6	2.7	1.6	1.1	0.5	0.3	0.0	0.0	0.0
20.0	85°	10.1	2.5	1.4	0.5	0.3	0.0	0.0	0.0	0.0	0.0
3.6	87.5°	1.9	0.5	0.3	0.0	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

(END O

180°
491.6
477.6
456.5
393.2
286.1
185.0
148.2
135.1
122.5
110.2
99.5
92.1
84.1
77.0
70.1
64.1
58.9
55.4
52.1
49.6
47.4
45.2
42.7
39.7
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