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: P945106

Luminaire Tested: **GALN-SB1A-930-U-AFL**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P945106
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB1A-930-U-AFL
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(1) 90 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE FRONTLINE OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3175 lumens
Efficiency:	N/A
Efficacy:	102.8 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):	30.9
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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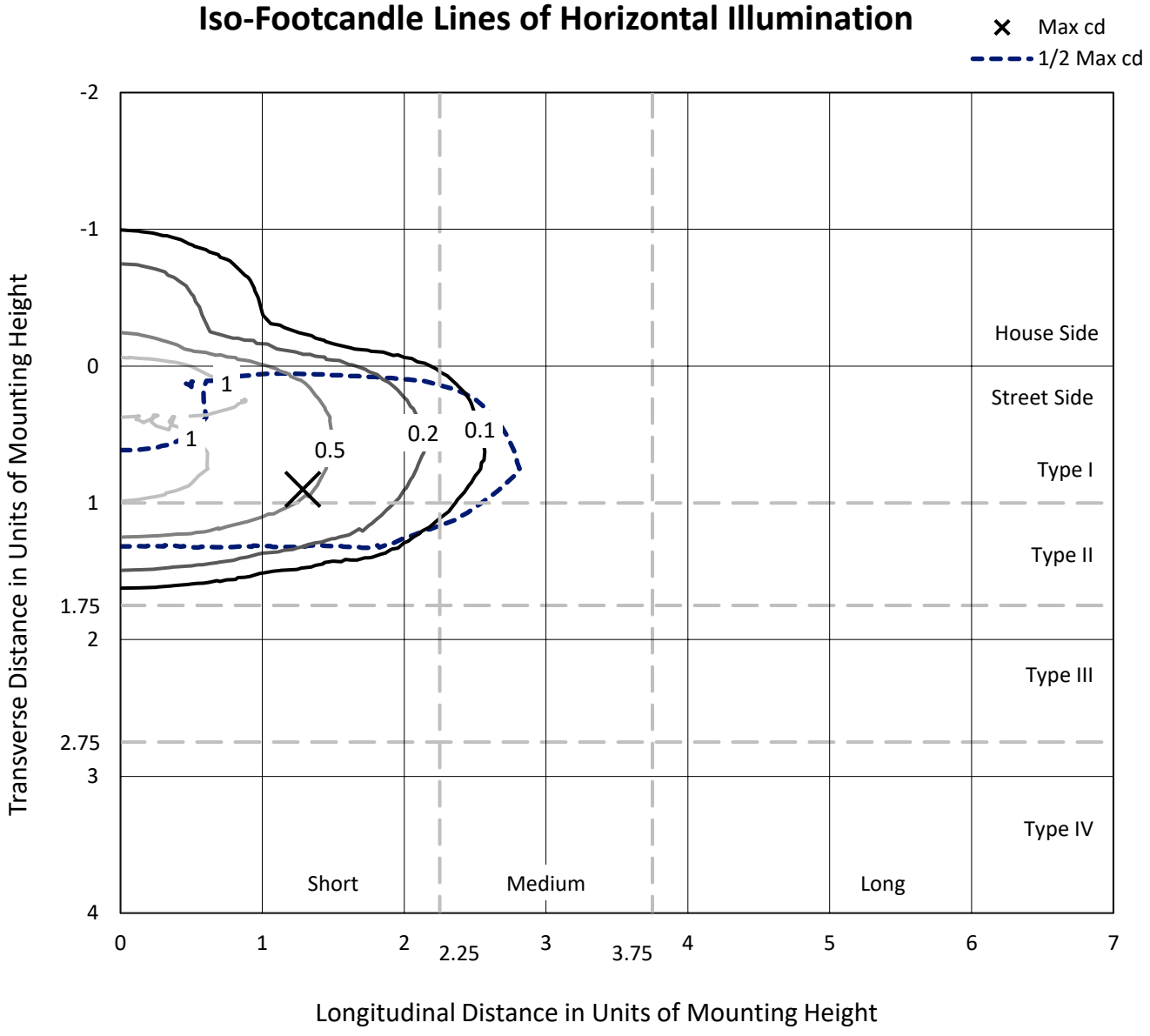
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type II - Short - N/A

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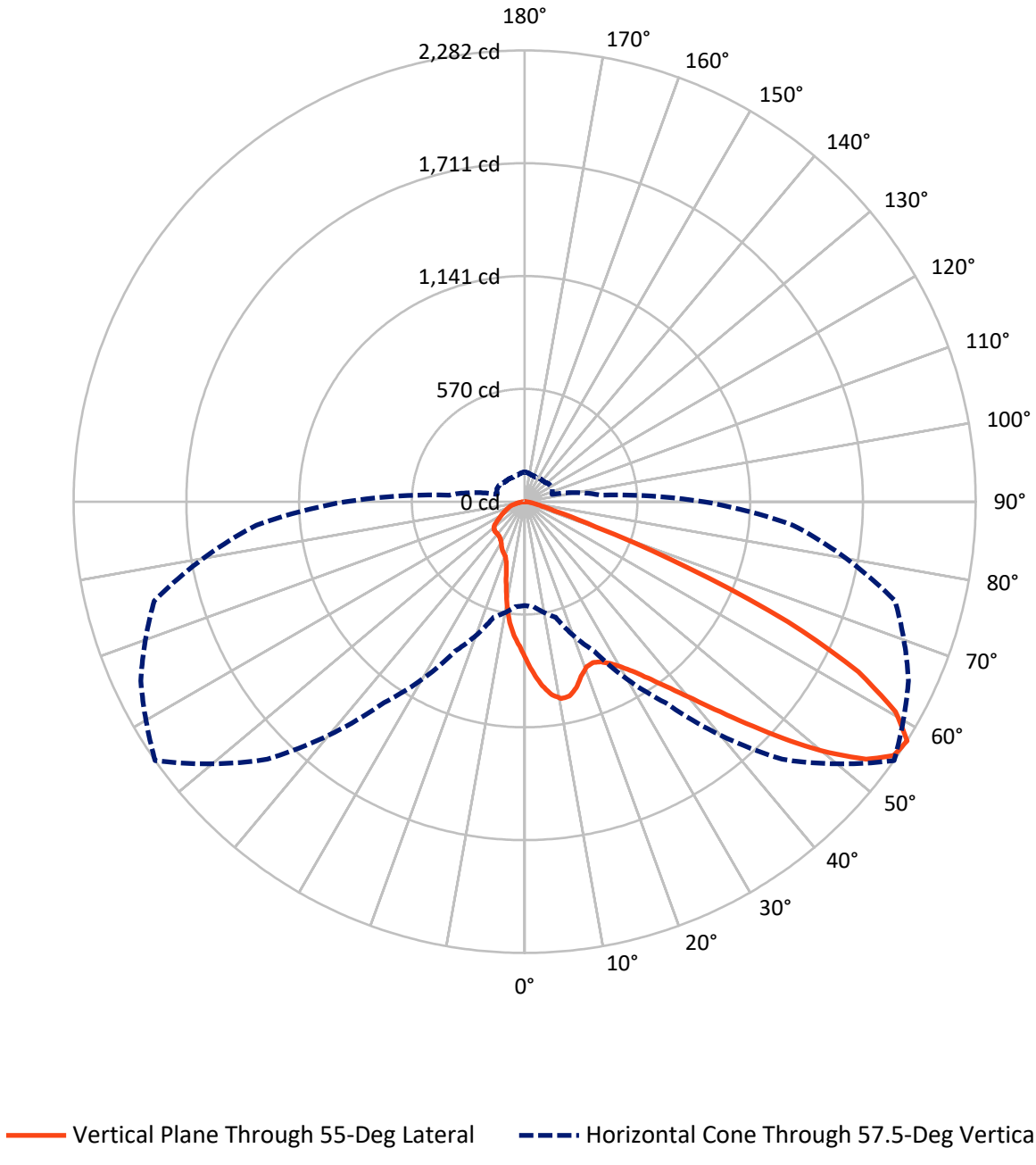
Luminous Intensity Polar Plot



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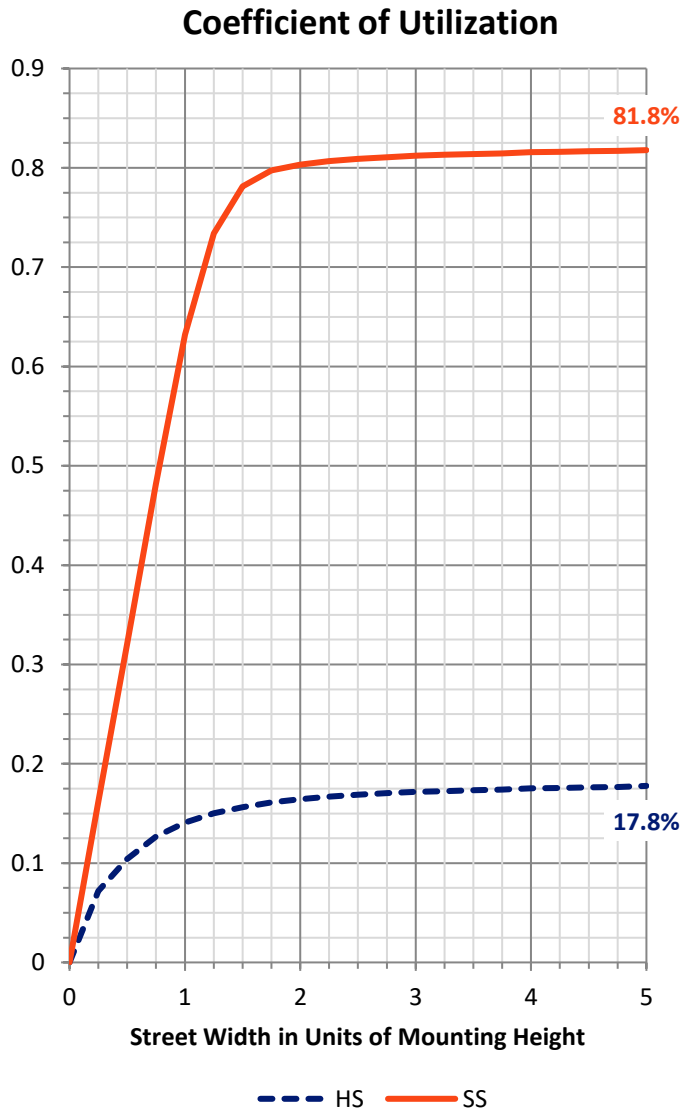
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	574.5	0.0	574.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2600.5	0.0	2600.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	3175.0	0.0	3175.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	2.3
10°-20°	186.3	5.9
20°-30°	297.3	9.4
30°-40°	470.8	14.8
40°-50°	720.5	22.7
50°-60°	771.8	24.3
60°-70°	485.5	15.3
70°-80°	143.6	4.5
80°-90°	25.4	0.8
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°	3175.0	100.0
0°-180°	3175.0	100.0



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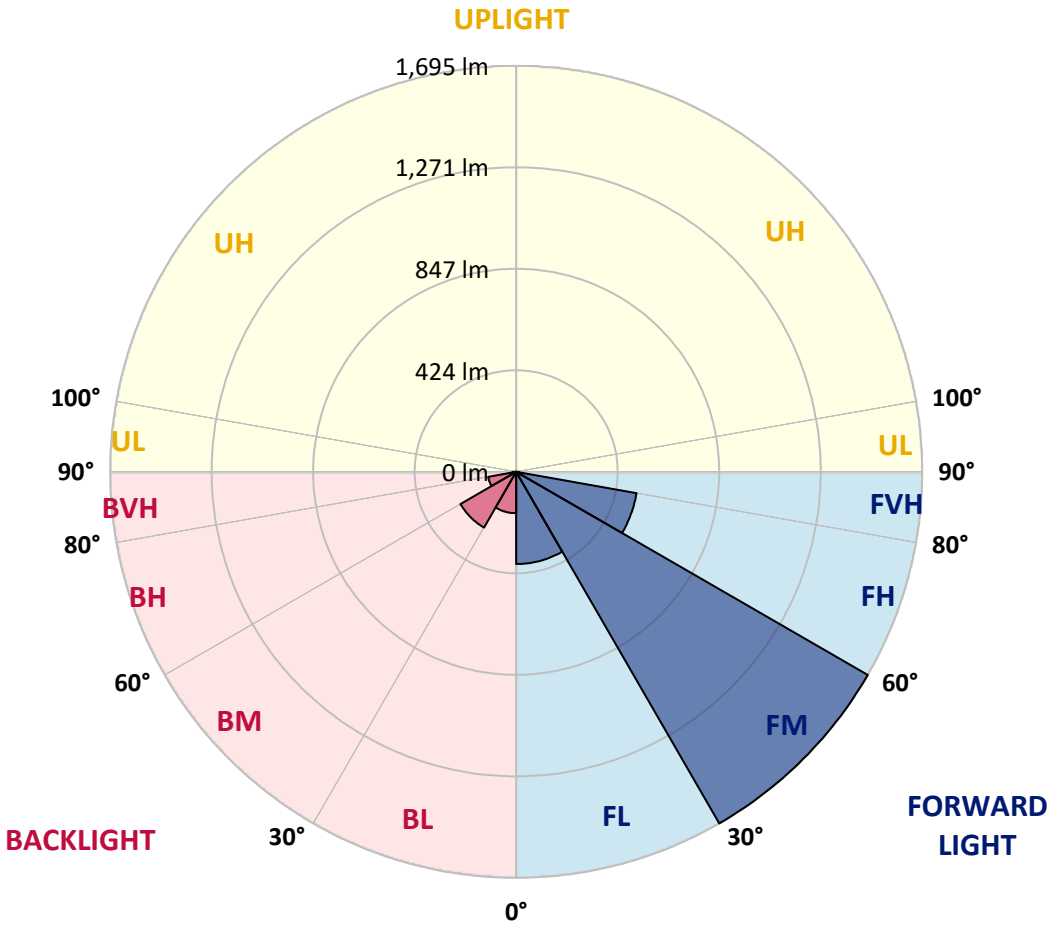
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	384.8	12.1			
FM	(30°-60°)	1694.5	53.4			
FH	(60°-80°)	510.4	16.1			G0/660
FVH	(80°-90°)	10.7	0.3			G1/100
BL	(0°-30°)	172.7	5.4	B1/500		
BM	(30°-60°)	268.5	8.5	B1/1000		
BH	(60°-80°)	118.6	3.7	B1/500		G1/500
BVH	(80°-90°)	14.7	0.5			G1/100
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°	65°	75°	85°
0°	795.6	795.6	795.6	795.6	795.6	795.6	*795.6*	795.6	795.6	795.6
2.5°	912.7	912.1	915.7	903.4	895.0	883.7	*868.8*	849.7	829.2	807.5
5°	995.0	989.2	993.0	983.8	974.6	957.6	*935.4*	904.4	866.5	823.3
7.5°	982.0	978.1	987.8	996.0	1002.9	1000.7	*984.5*	952.0	903.1	840.4
10°	877.5	873.0	886.6	915.0	956.7	993.0	*1012.7*	992.5	940.5	859.1
12.5°	785.2	783.1	792.1	815.1	861.4	931.0	*1009.1*	1028.0	979.4	881.2
15°	745.8	743.2	748.9	760.6	790.1	855.0	*976.3*	1052.3	1017.6	906.8
17.5°	737.1	734.2	736.6	742.7	761.7	811.1	*926.7*	1064.2	1057.5	935.4
20°	753.2	750.7	751.1	750.7	764.0	803.3	*892.2*	1059.6	1092.3	961.7
22.5°	792.1	788.0	788.2	779.5	786.7	817.1	*883.2*	1047.3	1123.3	984.6
25°	855.5	848.1	849.6	827.4	825.4	847.9	*897.3*	1037.8	1154.2	1003.0
27.5°	942.1	933.8	929.3	896.3	880.6	891.7	*926.0*	1041.1	1183.4	1018.9
30°	1050.5	1040.3	1031.2	984.5	955.9	951.8	*970.7*	1062.8	1217.9	1035.7
32.5°	1183.2	1171.4	1155.0	1093.0	1052.7	1031.2	*1028.5*	1101.3	1258.2	1057.0
35°	1341.3	1325.9	1302.6	1222.3	1171.4	1127.4	*1104.6*	1157.0	1313.6	1089.2
37.5°	1504.1	1486.7	1465.4	1369.9	1307.3	1242.5	*1197.5*	1232.5	1387.3	1132.8
40°	1654.3	1634.8	1614.9	1529.9	1462.8	1384.6	*1311.3*	1328.0	1477.4	1185.0
42.5°	1742.9	1728.5	1720.9	1675.0	1623.1	1543.8	*1452.7*	1441.3	1578.6	1245.1
45°	1739.0	1733.1	1756.4	1775.4	1763.1	1719.1	*1618.5*	1566.5	1680.2	1297.1
47.5°	1646.1	1650.0	1702.1	1809.1	1856.2	1879.2	*1807.3*	1689.4	1768.5	1336.0
50°	1393.3	1396.6	1517.1	1747.9	1880.1	2009.6	*1994.5*	1809.4	1837.0	1359.8
52.5°	1193.2	1195.4	1247.1	1566.3	1801.0	2075.3	*2163.3*	1922.5	1887.0	1366.4
55°	898.8	906.2	964.1	1228.9	1595.2	2023.3	*2266.0*	2039.0	1918.7	1367.1
57.5°	*525.1*	*533.1*	*604.7*	*834.1*	*1239.9*	*1841.9*	*2281.6*	*2142.4*	*1940.2*	*1361.8*
60°	257.2	260.6	291.8	438.4	764.5	1492.5	*2156.2*	2192.5	1952.2	1359.0
62.5°	173.3	172.8	174.1	216.3	376.7	958.9	*1894.9*	2104.8	1945.8	1348.4
65°	149.0	147.2	142.3	151.8	195.2	438.6	*1464.1*	1843.2	1897.0	1321.6
67.5°	128.8	129.0	129.2	126.2	139.3	202.4	*894.7*	1451.9	1722.1	1194.9
70°	106.7	108.2	108.8	108.8	113.6	132.8	*381.9*	995.1	1358.4	936.9
72.5°	97.2	94.0	94.4	92.7	92.7	101.1	*153.8*	564.1	855.8	527.0
75°	79.3	81.2	81.6	80.4	76.7	77.1	*91.3*	236.7	366.2	218.6
77.5°	68.4	68.4	69.1	68.3	65.3	57.8	*60.9*	91.8	124.6	89.6
80°	55.0	54.8	57.6	59.3	54.7	42.7	*38.9*	50.7	55.3	39.4
82.5°	26.8	28.4	39.6	45.1	41.5	30.9	*23.8*	31.5	29.5	17.4
85°	15.6	14.8	17.7	25.1	23.8	17.1	*11.5*	16.4	15.4	8.9
87.5°	4.9	4.6	3.6	8.5	6.9	4.8	*3.1*	4.8	4.3	2.0
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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
795.6	0°	795.6	795.6	795.6	795.6	795.6	795.6	795.6	795.6	795.6	795.6
798.2	2.5°	786.5	767.2	748.0	730.4	719.7	712.8	705.9	698.2	695.3	690.8
800.3	5°	778.6	741.2	707.9	679.2	653.1	632.6	611.9	595.1	587.6	592.7
807.0	7.5°	774.1	719.9	668.5	615.8	565.1	524.6	489.3	464.5	453.3	456.1
813.6	10°	769.9	695.8	617.5	534.3	461.4	411.2	375.0	356.2	349.1	350.6
822.5	12.5°	766.2	668.7	555.9	446.4	369.0	335.8	325.5	325.6	327.0	327.9
836.6	15°	765.5	636.0	487.1	369.6	319.1	316.9	328.1	335.2	338.9	340.1
848.4	17.5°	764.5	597.0	417.1	317.3	306.9	321.4	331.7	336.3	339.3	339.4
859.9	20°	760.6	547.4	352.4	292.3	304.3	316.8	323.2	326.8	329.3	330.1
868.6	22.5°	748.4	492.2	302.0	281.2	293.8	303.8	311.4	315.5	316.9	317.9
870.2	25°	726.6	430.5	267.2	270.5	279.2	291.8	297.9	298.7	298.2	299.7
866.1	27.5°	698.1	364.4	245.5	256.0	267.2	278.0	281.3	280.8	279.8	281.5
859.1	30°	663.6	305.0	231.8	239.8	255.1	264.9	267.9	266.7	264.7	266.6
855.5	32.5°	627.2	256.4	220.4	228.5	245.1	254.7	257.7	256.5	255.1	256.5
859.6	35°	593.2	222.4	209.9	220.9	237.2	246.7	250.5	250.6	250.6	252.4
870.4	37.5°	562.0	202.5	201.2	216.2	231.8	240.3	245.7	246.0	239.0	239.5
888.8	40°	533.1	194.2	197.3	213.0	226.5	234.7	235.0	216.7	203.7	203.4
909.8	42.5°	509.5	192.5	198.4	212.7	222.7	223.1	199.9	185.6	182.0	182.2
929.2	45°	487.3	192.0	201.1	212.7	217.1	192.7	177.1	173.3	173.7	175.0
937.9	47.5°	462.5	190.1	201.6	209.8	201.1	171.4	166.8	165.1	164.5	164.8
935.9	50°	435.4	183.0	195.3	203.9	173.5	162.2	156.4	155.9	156.7	157.2
924.9	52.5°	406.9	171.5	184.6	193.2	160.9	154.1	147.7	148.9	152.5	153.6
913.4	55°	388.2	158.1	170.5	171.8	152.0	146.6	141.2	143.8	150.5	152.6
906.5	57.5°	*383.3*	*143.8*	*154.4*	*153.0*	*140.7*	*140.0*	*136.7*	*139.0*	*147.6*	*150.7*
906.2	60°	381.8	131.0	138.7	137.5	129.7	132.8	132.0	133.1	136.1	137.1
902.9	62.5°	370.3	120.8	124.6	122.9	119.8	125.2	127.2	124.7	127.0	128.2
880.4	65°	341.1	112.6	110.8	109.6	111.0	115.9	119.8	114.9	117.0	120.3
793.7	67.5°	292.8	101.4	96.5	97.8	101.9	104.6	109.6	104.1	105.9	111.4
639.3	70°	236.8	87.3	82.9	86.7	90.6	96.0	96.8	93.1	97.3	103.6
390.1	72.5°	167.6	73.0	69.9	77.6	78.9	86.0	84.2	82.4	88.3	90.4
192.9	75°	116.2	58.9	57.1	63.0	67.8	73.9	72.5	74.7	87.2	88.1
96.3	77.5°	73.5	45.8	44.6	48.4	55.0	61.7	63.8	88.1	148.9	154.8
50.1	80°	42.7	34.1	32.8	35.8	41.5	47.8	61.5	108.2	98.2	97.0
22.5	82.5°	23.8	23.5	21.8	22.7	27.7	34.5	87.0	76.2	61.9	63.8
9.0	85°	11.2	13.8	11.8	11.3	15.6	40.4	58.1	43.5	28.9	28.2
2.0	87.5°	3.0	2.6	2.6	3.0	6.6	34.8	23.1	18.5	11.0	10.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF RI

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