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: P945483

Luminaire Tested: **GALN-SB1B-935-U-AFL-HSS**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P945483
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB1B-935-U-AFL-HSS
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(1) 90 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3341 lumens
Efficiency:	N/A
Efficacy:	83.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B0 - U0 - G0

Input Watts (W):	39.8
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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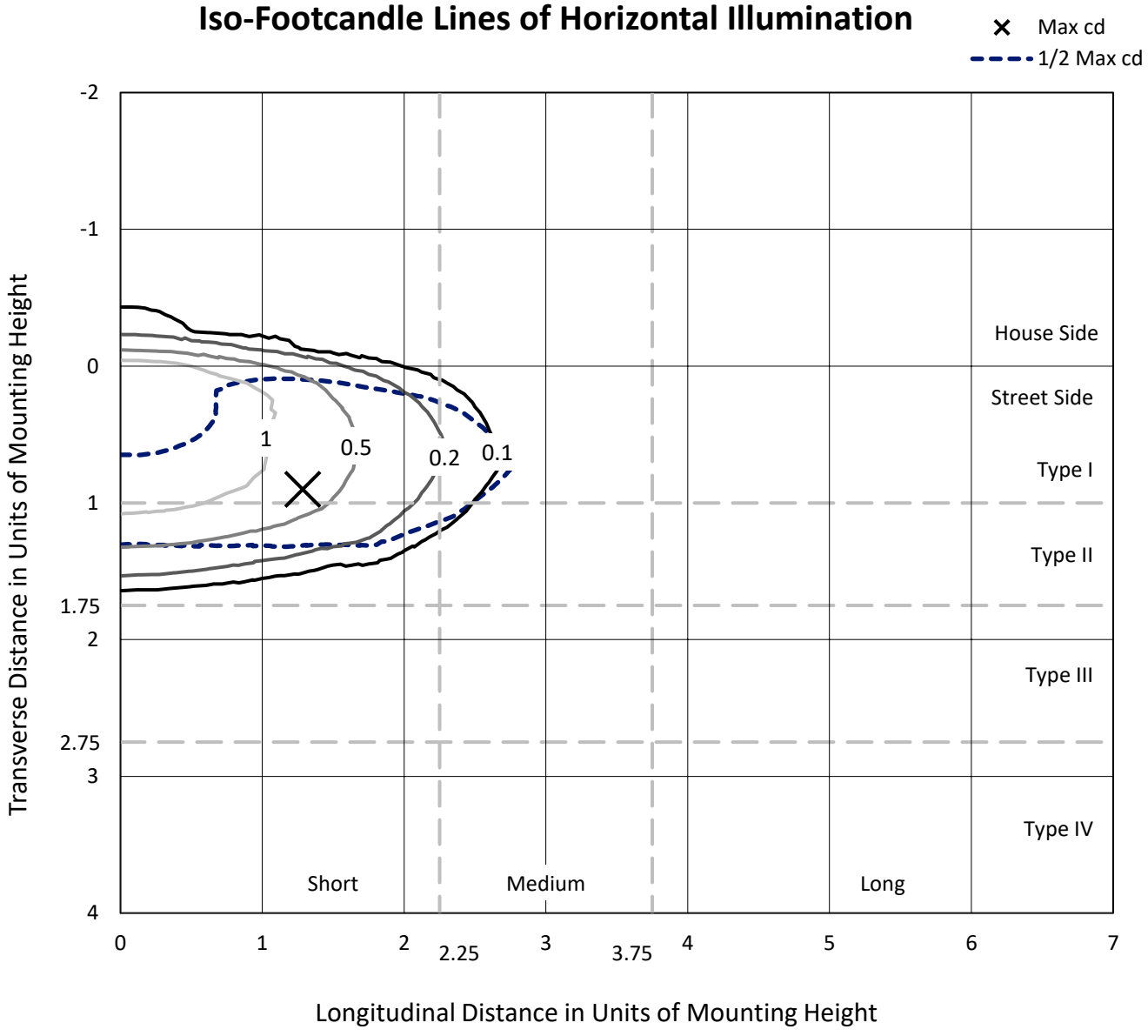
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type II - Short - N/A

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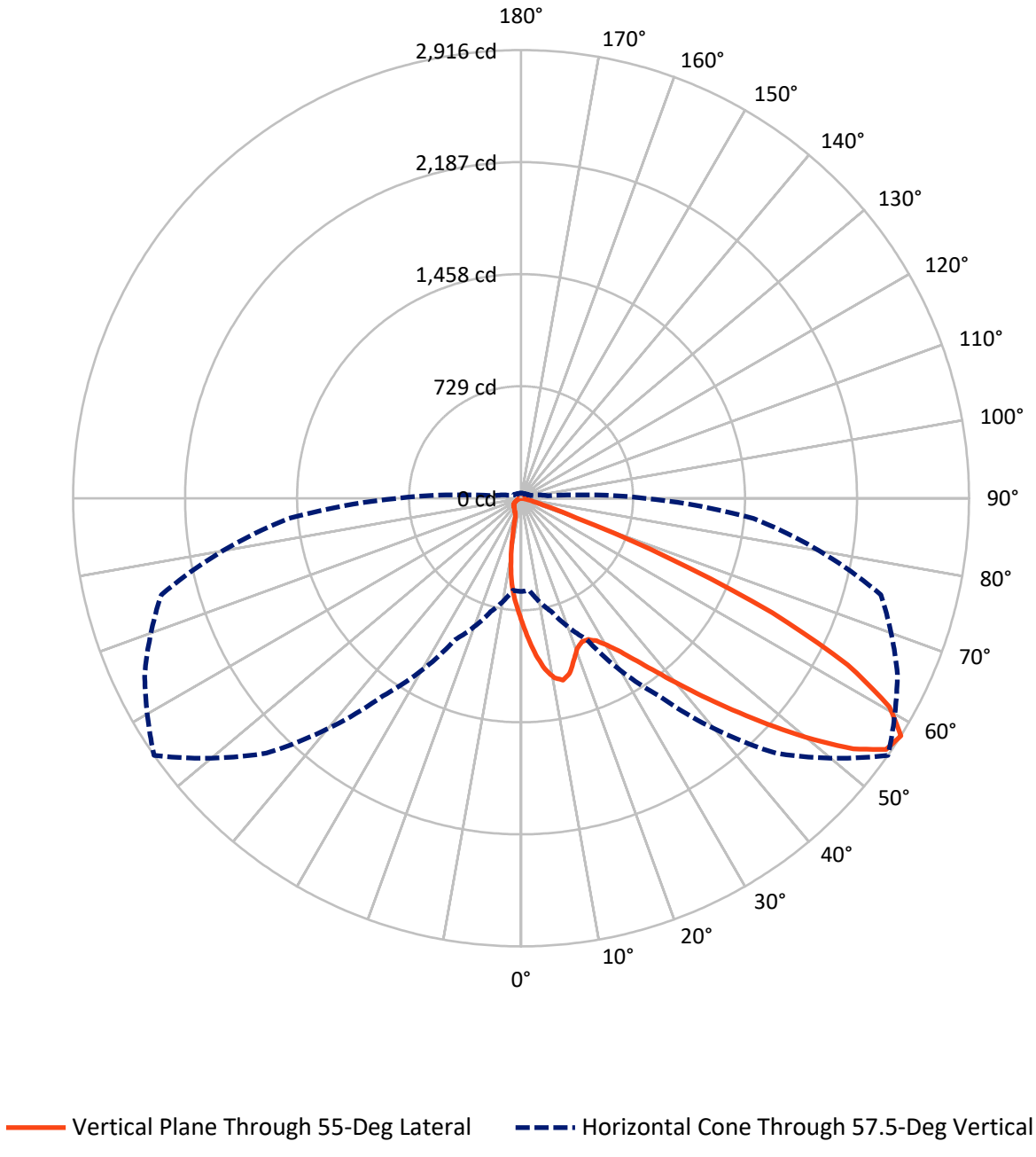
Luminous Intensity Polar Plot



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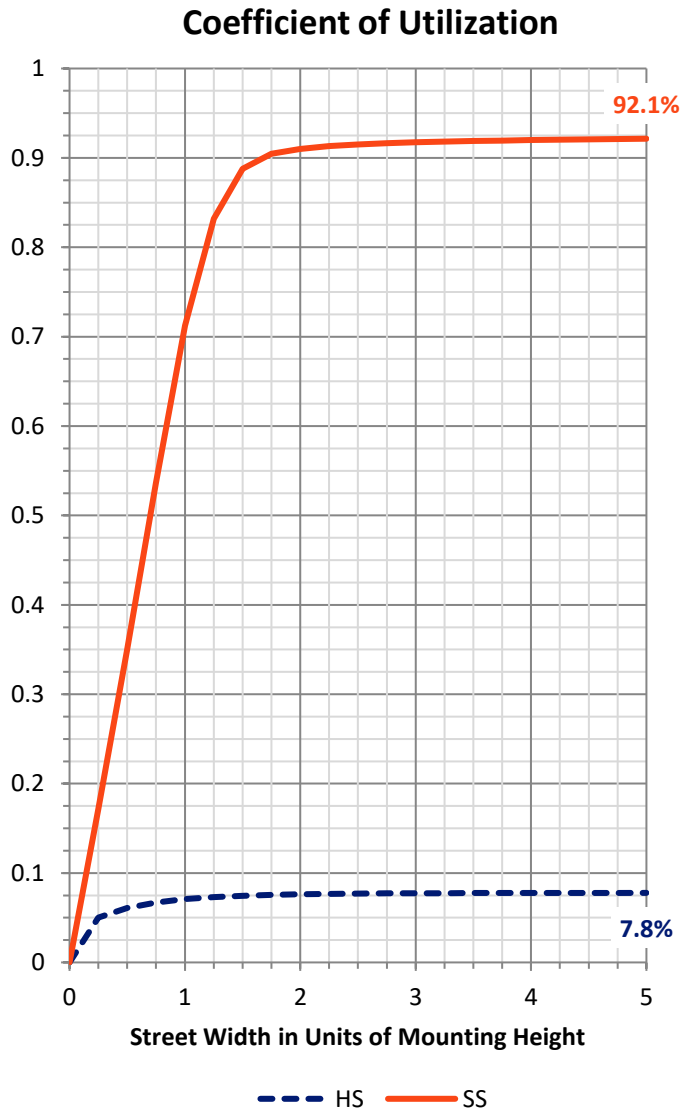
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	260.9	0.0	260.9
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	3080.1	0.0	3080.1
	% Fixture	92.2	0.0	92.2
Total	Lumens	3341.0	0.0	3341.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	2.2
10°-20°	180.9	5.4
20°-30°	289.5	8.7
30°-40°	490.0	14.7
40°-50°	804.5	24.1
50°-60°	884.2	26.5
60°-70°	507.2	15.2
70°-80°	103.6	3.1
80°-90°	6.1	0.2
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°	3341.0	100.0
0°-180°	3341.0	100.0



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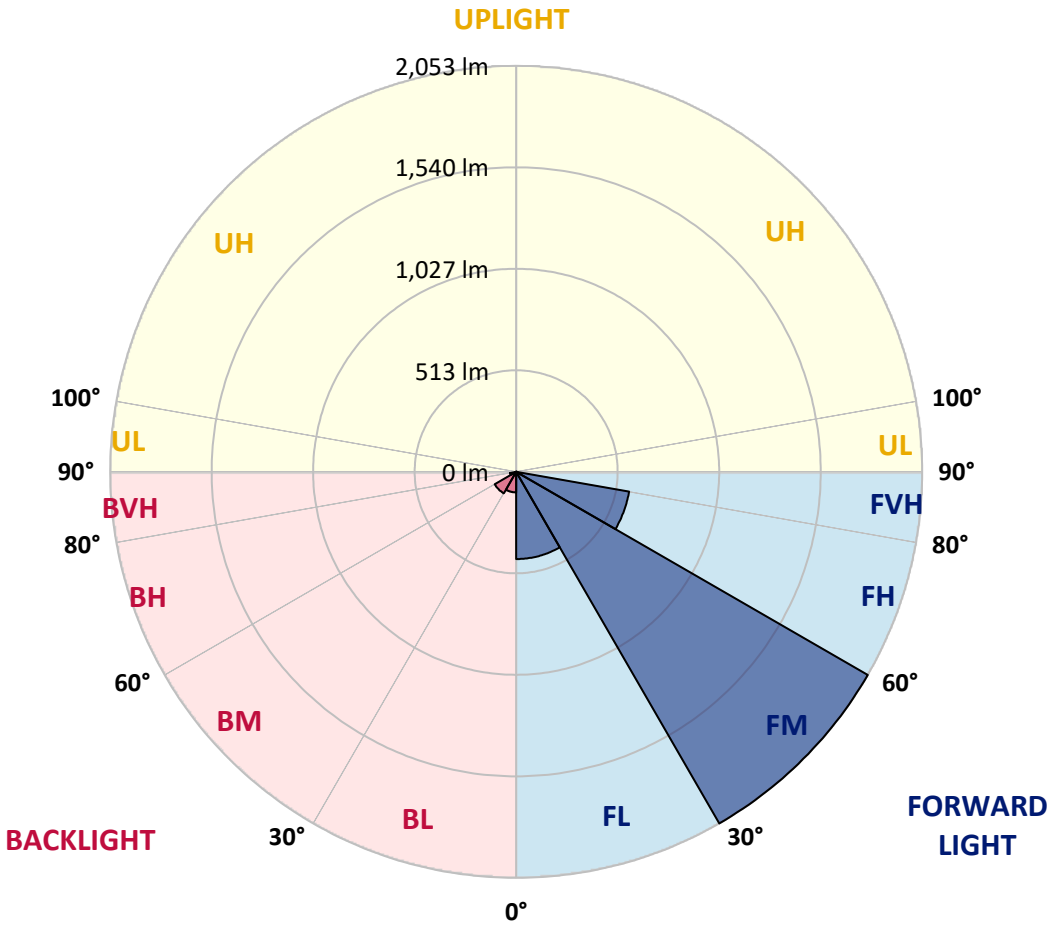
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	441.2	13.2			
FM	(30°-60°)	2053.4	61.5			
FH	(60°-80°)	579.8	17.4			G0/660
FVH	(80°-90°)	5.7	0.2			G0/10
BL	(0°-30°)	104.2	3.1	B0/110		
BM	(30°-60°)	125.3	3.8	B0/220		
BH	(60°-80°)	31.0	0.9	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	805.1	805.1	805.1	805.1	805.1	805.1	*805.1*	805.1	805.1	805.1
2.5°	999.0	986.4	984.5	982.1	958.2	940.2	*914.3*	885.9	853.9	821.4
5°	1154.1	1144.2	1142.3	1130.8	1103.6	1073.1	*1027.0*	968.7	909.1	839.1
7.5°	1184.2	1182.3	1190.8	1190.3	1186.6	1162.5	*1123.6*	1054.2	964.8	860.9
10°	1050.0	1054.8	1079.9	1102.0	1161.5	1196.1	*1187.7*	1130.4	1022.0	885.9
12.5°	927.9	922.3	940.2	965.2	1034.4	1137.4	*1214.2*	1194.1	1087.5	914.1
15°	851.2	849.0	859.1	870.6	923.4	1027.2	*1183.3*	1245.8	1150.6	947.5
17.5°	826.7	824.9	828.0	830.9	865.0	945.4	*1109.8*	1277.5	1210.9	985.6
20°	846.7	844.2	843.8	841.6	855.8	910.6	*1043.2*	1279.8	1265.1	1020.2
22.5°	905.0	902.1	892.0	883.0	884.2	915.3	*1013.6*	1257.1	1305.9	1052.5
25°	1010.7	1006.0	984.9	954.5	935.1	948.3	*1018.1*	1227.2	1344.9	1077.9
27.5°	1143.0	1136.8	1109.8	1064.5	1020.2	1004.1	*1050.9*	1206.6	1377.2	1097.2
30°	1272.5	1264.5	1237.9	1202.7	1138.0	1087.3	*1110.0*	1215.7	1415.7	1117.4
32.5°	1412.4	1404.8	1369.6	1325.9	1272.3	1204.1	*1191.0*	1260.0	1462.9	1145.6
35°	1589.4	1577.4	1527.4	1467.8	1411.0	1342.0	*1300.6*	1336.4	1525.7	1188.7
37.5°	1790.9	1774.8	1720.8	1638.6	1564.5	1487.2	*1434.1*	1441.5	1617.8	1246.4
40°	1980.8	1966.2	1916.3	1838.9	1745.8	1652.0	*1595.4*	1578.9	1744.9	1316.6
42.5°	2094.7	2081.6	2060.5	2027.8	1949.3	1853.7	*1782.2*	1746.6	1895.3	1400.7
45°	2101.1	2089.6	2117.8	2155.9	2140.5	2076.8	*1989.7*	1924.4	2046.3	1479.6
47.5°	1998.9	1991.1	2076.8	2209.9	2276.2	2303.0	*2222.7*	2087.3	2171.0	1536.2
50°	1720.4	1717.5	1893.9	2138.2	2327.9	2501.2	*2468.4*	2238.9	2267.6	1565.5
52.5°	1491.7	1481.2	1584.0	1908.7	2252.8	2605.4	*2708.7*	2387.7	2335.2	1571.1
55°	1131.4	1122.2	1251.1	1524.7	2010.3	2568.4	*2884.4*	2541.2	2383.6	1556.8
57.5°	*606.9*	*601.1*	*764.1*	*1014.8*	*1571.5*	*2345.9*	*2916.1*	*2703.5*	*2424.4*	*1519.1*
60°	236.3	235.3	296.2	492.4	955.1	1908.5	*2756.0*	2801.0	2449.9	1472.8
62.5°	143.0	146.1	156.0	221.1	421.9	1185.6	*2387.1*	2690.1	2467.0	1430.3
65°	118.3	118.5	119.7	151.8	202.1	496.1	*1797.1*	2325.5	2424.8	1354.7
67.5°	101.4	103.2	108.0	120.5	142.6	217.5	*1034.6*	1801.4	2167.9	1178.8
70°	79.9	82.4	88.4	99.1	110.0	136.2	*382.4*	1198.6	1656.1	888.5
72.5°	67.4	67.2	70.3	80.6	87.3	95.8	*147.1*	671.6	962.5	424.2
75°	52.1	54.2	58.1	67.4	71.5	69.4	*79.7*	245.4	344.9	128.6
77.5°	40.8	42.4	45.9	55.0	59.1	49.2	*45.9*	87.8	110.8	46.1
80°	18.3	19.8	31.3	40.6	48.2	34.0	*24.9*	44.9	49.2	21.0
82.5°	3.3	5.6	18.3	21.4	24.7	22.0	*13.0*	23.3	24.1	8.4
85°	0.2	0.4	6.4	7.8	9.9	7.2	*3.9*	9.3	8.0	2.9
87.5°	0.0	0.0	0.0	0.2	0.2	1.0	*1.2*	1.6	1.2	1.0
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°
805.1	0°	805.1	805.1	805.1	805.1	805.1	805.1	805.1	805.1	805.1	805.1
807.0	2.5°	792.1	762.9	734.4	711.2	697.6	674.5	659.2	656.8	650.4	655.9
809.0	5°	776.9	724.5	671.6	624.2	585.3	535.0	497.5	481.7	467.9	472.6
814.4	7.5°	769.7	687.1	604.6	523.7	440.5	360.1	300.4	275.4	256.5	259.2
820.3	10°	760.0	648.1	518.9	395.3	283.9	204.6	163.4	148.1	139.7	139.9
829.2	12.5°	752.6	601.6	419.4	268.0	172.8	130.6	117.8	114.1	111.7	111.9
842.6	15°	748.9	546.8	321.2	178.6	123.6	110.6	107.5	105.9	104.2	104.0
857.4	17.5°	742.7	485.8	235.1	130.4	108.2	103.6	100.9	99.1	97.0	96.6
870.2	20°	733.4	416.6	171.8	110.2	101.4	97.9	94.1	91.7	89.2	88.8
878.2	22.5°	716.3	343.4	132.1	102.0	96.4	92.5	88.0	85.1	82.6	82.2
874.3	25°	684.6	274.8	111.2	96.8	92.1	87.3	82.4	78.5	76.2	75.8
865.9	27.5°	644.4	215.9	100.9	92.1	86.5	82.2	76.6	72.9	70.9	70.5
854.7	30°	597.0	166.3	95.0	86.7	79.9	76.2	71.3	68.2	67.0	67.0
846.9	32.5°	545.9	132.9	92.5	81.4	74.2	70.0	66.1	64.9	64.5	64.3
851.2	35°	497.9	115.4	91.3	77.0	69.0	65.1	63.5	63.7	64.5	64.5
864.6	37.5°	455.3	109.8	90.6	74.0	64.5	61.0	62.0	63.9	63.0	63.0
888.1	40°	416.8	110.4	90.2	71.7	60.8	58.7	60.8	59.3	57.3	57.1
916.8	42.5°	387.3	115.6	89.4	69.8	58.5	57.1	56.2	54.0	53.8	54.2
946.4	45°	365.9	120.1	89.2	69.0	56.0	53.4	52.3	50.1	54.2	55.2
958.6	47.5°	340.5	120.1	89.2	66.1	51.9	50.9	49.2	46.8	50.9	51.9
947.0	50°	307.8	112.5	85.7	62.8	48.6	48.0	45.1	42.0	41.2	41.8
920.1	52.5°	266.4	98.7	76.8	58.3	45.3	44.1	40.6	38.3	37.7	37.7
871.6	55°	219.2	82.6	64.9	51.7	41.8	39.6	37.1	36.1	35.4	35.0
803.9	57.5°	*178.2*	*67.8*	*52.1*	*45.9*	*38.5*	*35.6*	*34.8*	*33.6*	*32.6*	*31.9*
747.2	60°	146.3	53.4	43.1	40.8	35.2	32.6	32.3	30.7	28.0	27.6
700.4	62.5°	112.9	39.1	36.3	35.4	31.9	29.7	29.3	26.0	21.8	21.0
634.1	65°	79.7	30.5	29.3	31.1	28.4	26.4	25.3	20.4	16.1	15.5
530.7	67.5°	56.0	25.5	23.1	27.2	24.7	22.0	21.4	17.3	13.4	13.0
401.3	70°	40.0	20.8	19.0	23.3	19.8	19.4	18.1	14.4	10.9	10.5
198.6	72.5°	28.2	15.9	14.6	20.2	13.6	16.7	14.8	11.1	8.2	7.8
67.6	75°	20.8	11.3	10.3	11.7	9.9	12.6	10.5	7.4	5.2	4.9
30.5	77.5°	15.2	7.2	6.2	5.8	5.8	7.8	5.8	3.1	2.3	2.1
15.5	80°	10.7	3.3	2.9	2.5	2.3	1.9	0.8	0.4	0.2	0.2
5.4	82.5°	6.4	1.4	1.4	1.0	0.6	0.0	0.0	0.0	0.0	0.0
2.1	85°	1.4	0.6	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0
0.8	87.5°	0.2	0.2	0.0	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 OF RI

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