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-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1197450

Luminaire Tested: GPC-SB1A-827-U-AFL

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1197450
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB1A-827-U-AFL
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE FRONTLINE OPTI(
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3988 lumens
Efficiency:	N/A
Efficacy:	129.1 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):	120.0
Input Current (Ain):	0.263
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	6.356
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

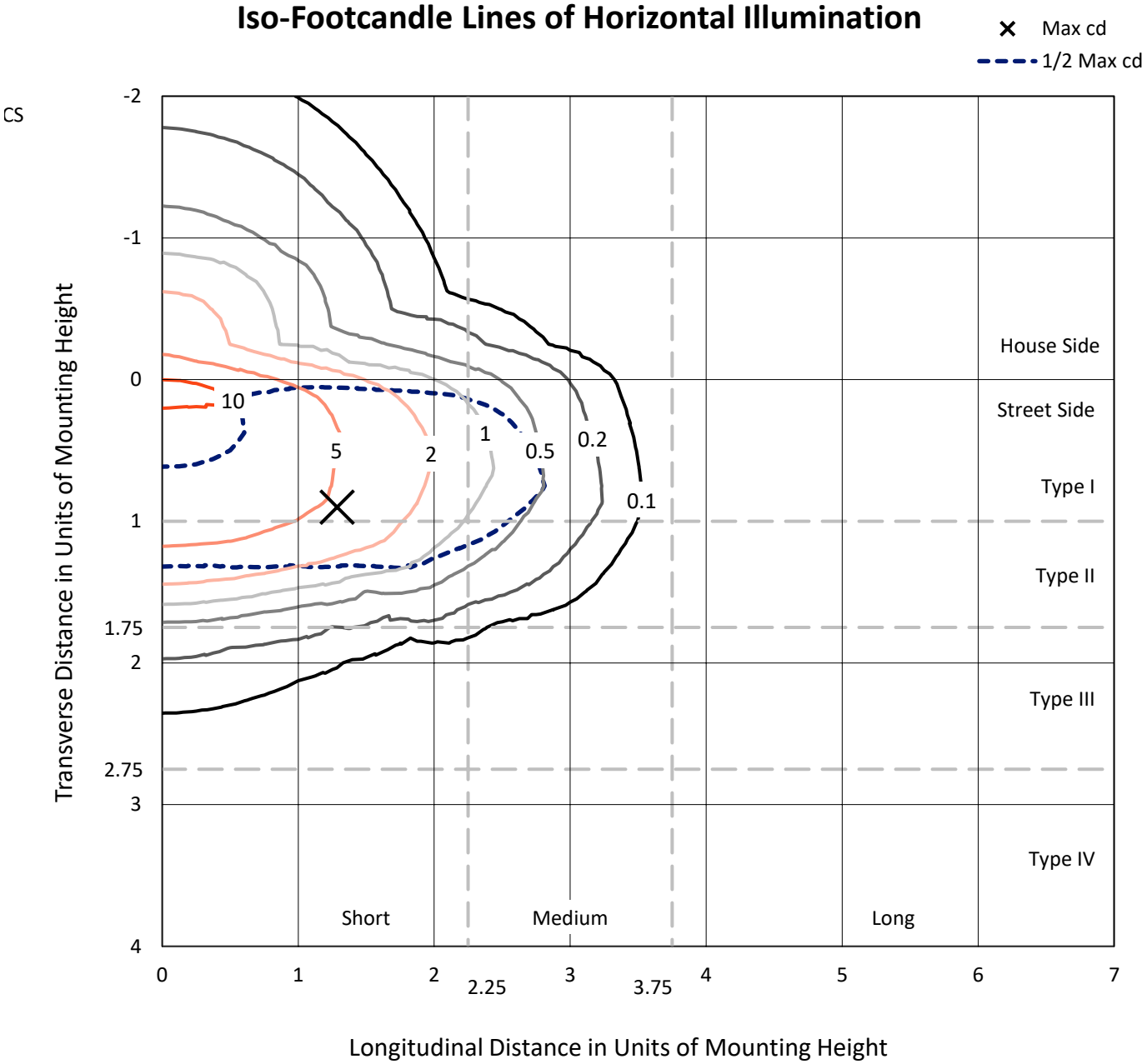


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Iso-Footcandle Lines of Horizontal Illumination



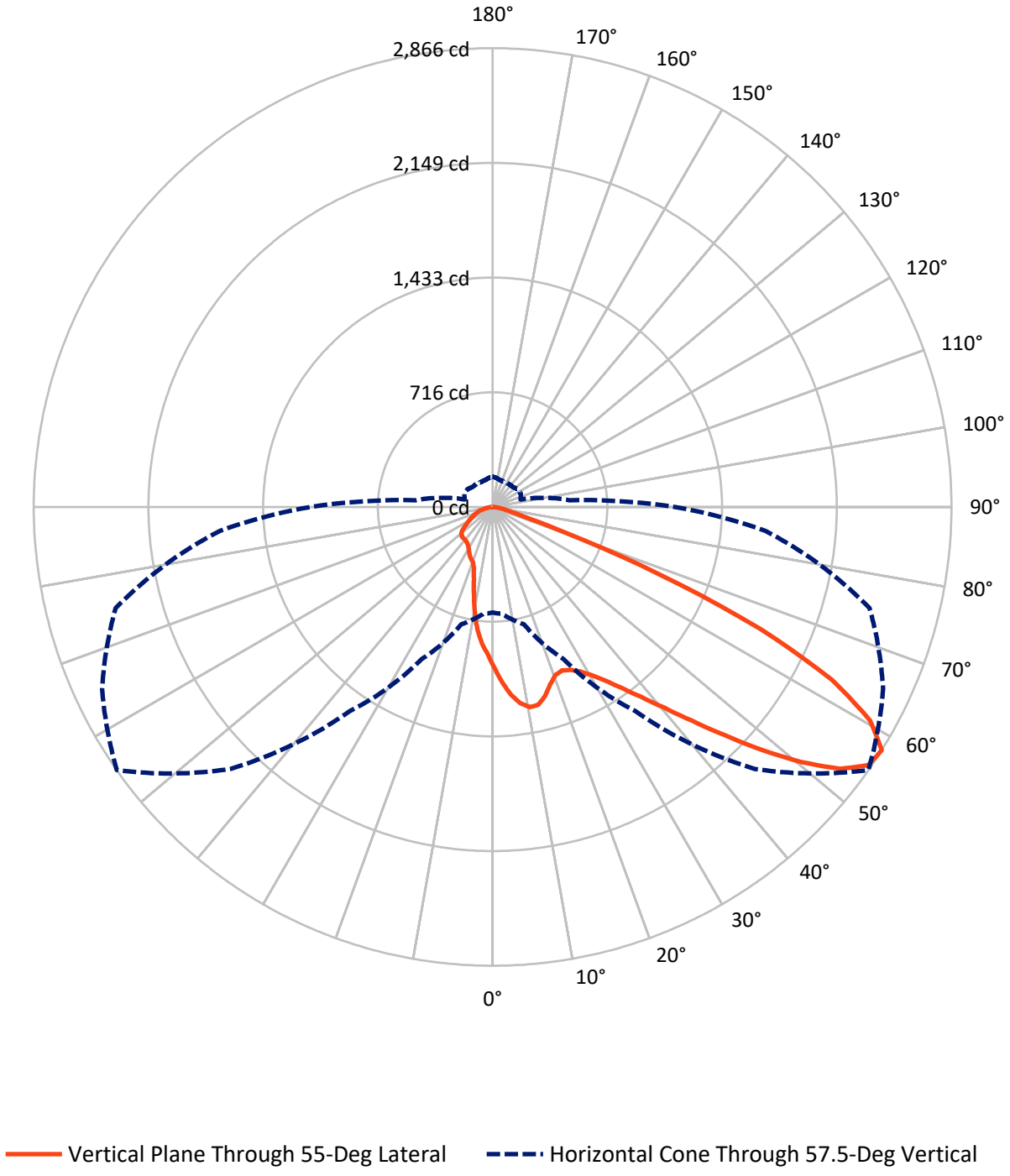
Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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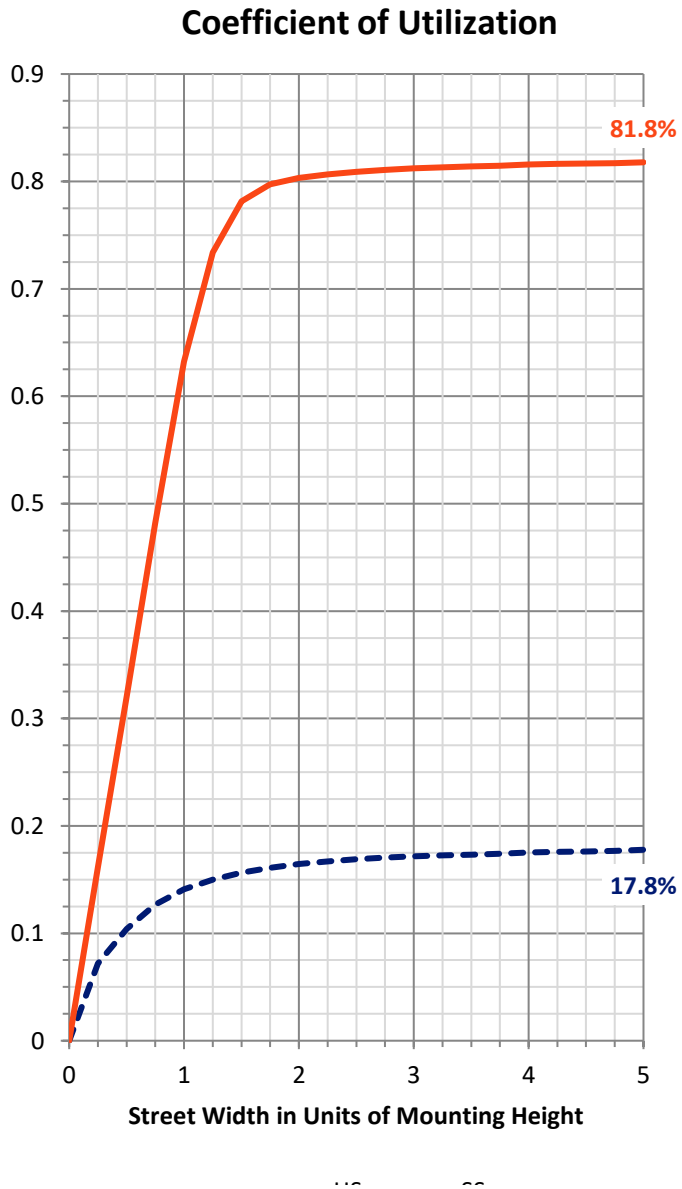
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	721.6	0.0	721.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3266.4	0.0	3266.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	3988.0	0.0	3988.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	2.3
10°-20°	234.0	5.9
20°-30°	373.5	9.4
30°-40°	591.3	14.8
40°-50°	905.0	22.7
50°-60°	969.4	24.3
60°-70°	609.8	15.3
70°-80°	180.3	4.5
80°-90°	31.9	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°	3988.0	100.0
0°-180°	3988.0	100.0



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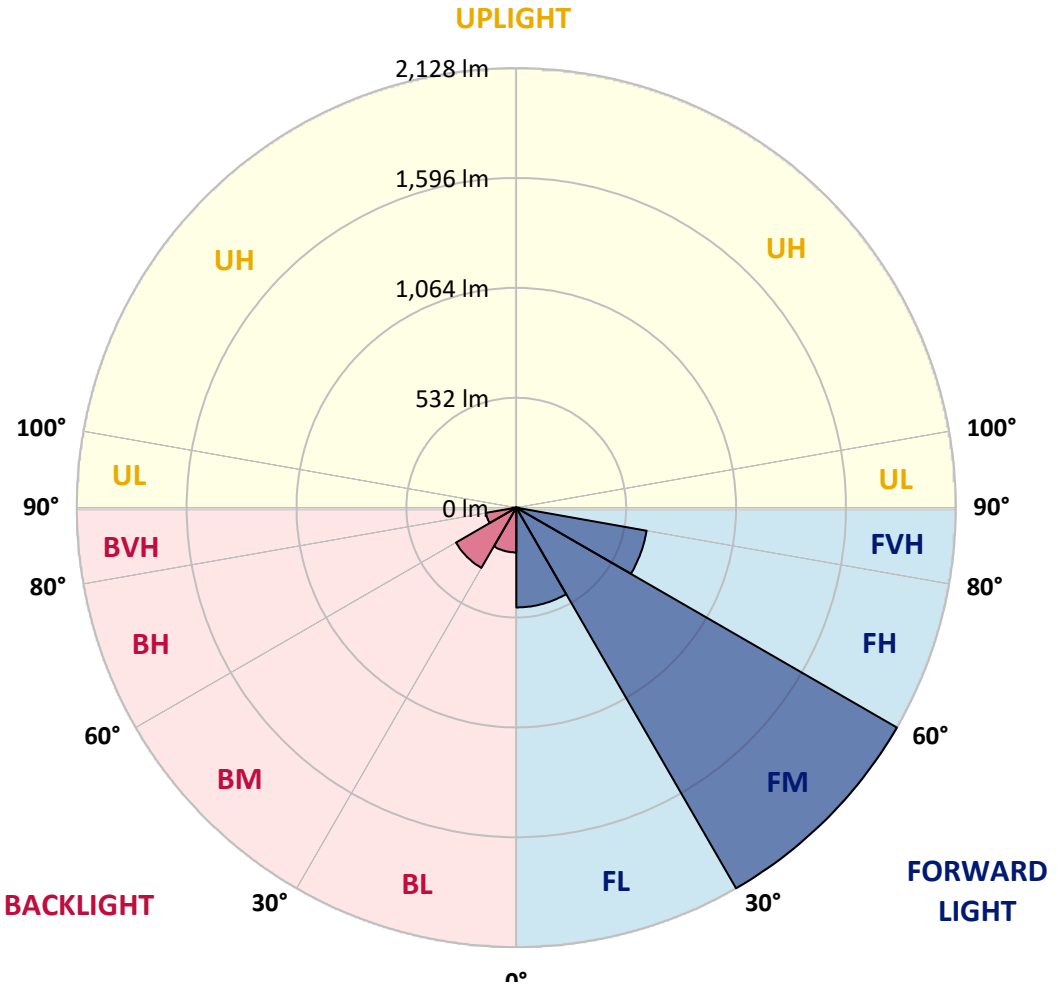
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	483.3	12.1			
FM	(30°-60°)	2128.4	53.4			
FH	(60°-80°)	641.1	16.1			G0/660
FVH	(80°-90°)	13.5	0.3			G1/100
BL	(0°-30°)	216.9	5.4	B1/500		
BM	(30°-60°)	337.3	8.5	B1/1000		
BH	(60°-80°)	149.0	3.7	B1/500		G1/500
BVH	(80°-90°)	18.4	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°	90°
0°	999.3	999.3	999.3	999.3	999.3	999.3	*999.3*	999.3	999.3	999.3	999.3
2.5°	1146.5	1145.6	1150.2	1134.7	1124.2	1110.0	*1091.2*	1067.3	1041.5	1014.3	1002.6
5°	1249.7	1242.5	1247.3	1235.7	1224.2	1202.7	*1174.9*	1135.9	1088.3	1034.1	1005.2
7.5°	1233.5	1228.5	1240.7	1251.0	1259.6	1257.0	*1236.6*	1195.7	1134.3	1055.5	1013.7
10°	1102.1	1096.6	1113.7	1149.3	1201.7	1247.3	*1272.0*	1246.7	1181.3	1079.0	1021.9
12.5°	986.3	983.6	994.9	1023.8	1081.9	1169.3	*1267.5*	1291.2	1230.2	1106.9	1033.1
15°	936.8	933.5	940.7	955.4	992.5	1073.9	*1226.2*	1321.7	1278.2	1139.0	1050.8
17.5°	925.9	922.2	925.3	932.9	956.8	1018.8	*1164.0*	1336.7	1328.3	1174.9	1065.6
20°	946.1	943.0	943.4	943.0	959.7	1009.0	*1120.7*	1331.0	1372.0	1207.9	1080.1
22.5°	994.9	989.8	990.0	979.1	988.1	1026.3	*1109.4*	1315.5	1411.0	1236.8	1091.0
25°	1074.5	1065.2	1067.1	1039.3	1036.8	1065.0	*1127.1*	1303.6	1449.7	1259.9	1093.1
27.5°	1183.4	1172.9	1167.3	1125.8	1106.1	1120.1	*1163.2*	1307.7	1486.4	1279.8	1087.9
30°	1319.4	1306.6	1295.3	1236.6	1200.7	1195.5	*1219.2*	1334.9	1529.7	1300.9	1079.0
32.5°	1486.2	1471.4	1450.8	1372.8	1322.3	1295.3	*1291.8*	1383.3	1580.4	1327.7	1074.5
35°	1684.7	1665.4	1636.1	1535.3	1471.4	1416.1	*1387.5*	1453.2	1649.9	1368.1	1079.7
37.5°	1889.3	1867.4	1840.6	1720.6	1642.1	1560.6	*1504.2*	1548.1	1742.5	1422.9	1093.3
40°	2077.9	2053.4	2028.4	1921.6	1837.3	1739.2	*1647.0*	1668.1	1855.7	1488.5	1116.4
42.5°	2189.2	2171.1	2161.6	2103.9	2038.7	1939.2	*1824.7*	1810.3	1982.9	1563.9	1142.8
45°	2184.3	2176.9	2206.1	2230.0	2214.6	2159.3	*2033.0*	1967.6	2110.5	1629.3	1167.1
47.5°	2067.6	2072.5	2137.9	2272.3	2331.5	2360.3	*2270.0*	2122.0	2221.4	1678.2	1178.0
50°	1750.1	1754.2	1905.5	2195.4	2361.6	2524.2	*2505.3*	2272.7	2307.4	1708.0	1175.5
52.5°	1498.8	1501.5	1566.4	1967.4	2262.2	2606.7	*2717.2*	2414.8	2370.2	1716.3	1161.7
55°	1128.9	1138.2	1211.0	1543.5	2003.7	2541.3	*2846.3*	2561.1	2410.0	1717.1	1147.3
57.5°	*659.5*	*669.6*	*759.5*	*1047.7*	*1557.3*	*2313.5*	*2865.8*	*2691.0*	*2437.0*	*1710.5*	*1138.6*
60°	323.1	327.4	366.6	550.7	960.3	1874.6	*2708.3*	2753.9	2452.1	1707.0	1138.2
62.5°	217.7	217.1	218.7	271.7	473.1	1204.4	*2380.1*	2643.8	2444.0	1693.6	1134.1
65°	187.2	184.9	178.7	190.7	245.1	550.9	*1839.0*	2315.2	2382.8	1660.0	1105.8
67.5°	161.8	162.0	162.2	158.5	175.0	254.2	*1123.8*	1823.7	2163.0	1500.9	997.0
70°	134.0	135.9	136.7	136.7	142.7	166.8	*479.7*	1250.0	1706.2	1176.8	803.0
72.5°	122.0	118.1	118.5	116.5	116.5	127.0	*193.2*	708.6	1074.9	662.0	490.0
75°	99.6	102.0	102.5	101.0	96.3	96.9	*114.6*	297.3	459.9	274.6	242.2
77.5°	86.0	86.0	86.8	85.8	82.1	72.6	*76.5*	115.2	156.5	112.6	121.0
80°	69.1	68.9	72.4	74.4	68.7	53.6	*48.9*	63.7	69.5	49.5	62.9
82.5°	33.6	35.7	49.7	56.7	52.2	38.8	*29.9*	39.6	37.1	21.9	28.2
85°	19.6	18.6	22.3	31.5	29.9	21.4	*14.4*	20.6	19.4	11.1	11.3
87.5°	6.2	5.8	4.5	10.7	8.7	6.0	*3.9*	6.0	5.4	2.5	2.5
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	999.3	999.3	999.3	999.3	999.3	999.3	999.3	999.3	999.3	999.3
2.5°	987.9	963.6	939.5	917.4	904.0	895.4	886.7	877.0	873.3	867.7
5°	978.0	931.0	889.2	853.1	820.3	794.5	768.6	747.5	738.1	744.4
7.5°	972.3	904.2	839.7	773.5	709.8	658.9	614.6	583.4	569.4	572.9
10°	967.1	873.9	775.6	671.1	579.5	516.4	471.1	447.4	438.5	440.4
12.5°	962.4	839.9	698.3	560.8	463.5	421.8	408.8	409.0	410.7	411.9
15°	961.5	798.9	611.9	464.3	400.8	398.1	412.1	421.0	425.7	427.2
17.5°	960.3	749.8	523.9	398.5	385.5	403.7	416.7	422.4	426.1	426.3
20°	955.4	687.5	442.6	367.2	382.2	397.9	405.9	410.5	413.6	414.6
22.5°	940.1	618.3	379.3	353.2	369.0	381.6	391.1	396.2	398.1	399.3
25°	912.7	540.8	335.6	339.8	350.7	366.6	374.2	375.2	374.6	376.5
27.5°	876.8	457.7	308.4	321.6	335.6	349.2	353.4	352.7	351.5	353.6
30°	833.5	383.0	291.1	301.2	320.4	332.7	336.5	335.0	332.5	334.8
32.5°	787.7	322.0	276.9	287.0	307.8	320.0	323.7	322.2	320.4	322.2
35°	745.1	279.3	263.7	277.5	297.9	309.9	314.6	314.8	314.8	317.1
37.5°	705.9	254.4	252.8	271.5	291.1	301.8	308.6	309.0	300.2	300.8
40°	669.6	243.9	247.8	267.6	284.5	294.8	295.2	272.1	255.8	255.4
42.5°	639.9	241.8	249.2	267.2	279.8	280.2	251.1	233.2	228.6	228.8
45°	612.1	241.2	252.5	267.2	272.8	242.0	222.4	217.7	218.1	219.8
47.5°	581.0	238.7	253.2	263.5	252.5	215.2	209.5	207.4	206.6	207.0
50°	546.9	229.9	245.3	256.1	217.9	203.7	196.5	195.9	196.9	197.5
52.5°	511.1	215.4	231.9	242.7	202.0	193.6	185.5	187.0	191.5	193.0
55°	487.6	198.5	214.2	215.9	190.9	184.1	177.3	180.6	189.0	191.7
57.5°	*481.4*	*180.6*	*194.0*	*192.1*	*176.7*	*175.9*	*171.7*	*174.6*	*185.3*	*189.3*
60°	479.5	164.5	174.2	172.8	162.9	166.8	165.8	167.2	170.9	172.1
62.5°	465.1	151.7	156.5	154.4	150.5	157.3	159.8	156.7	159.6	161.0
65°	428.4	141.4	139.2	137.7	139.4	145.5	150.5	144.3	147.0	151.1
67.5°	367.8	127.4	121.2	122.9	128.0	131.3	137.7	130.7	133.0	140.0
70°	297.5	109.7	104.1	108.9	113.8	120.6	121.6	116.9	122.3	130.1
72.5°	210.5	91.7	87.8	97.5	99.2	108.0	105.8	103.5	110.9	113.6
75°	146.0	74.0	71.7	79.2	85.1	92.8	91.1	93.8	109.5	110.7
77.5°	92.4	57.5	56.1	60.8	69.1	77.5	80.2	110.7	187.0	194.4
80°	53.6	42.9	41.2	44.9	52.2	60.0	77.3	135.9	123.3	121.8
82.5°	29.9	29.5	27.4	28.5	34.8	43.3	109.3	95.7	77.7	80.2
85°	14.0	17.3	14.8	14.2	19.6	50.7	73.0	54.6	36.3	35.5
87.5°	3.7	3.3	3.3	3.7	8.2	43.7	29.1	23.3	13.8	13.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

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(END OF REPORT)