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: P1197943

Luminaire Tested: GPC-SB1B-827-U-T3R-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1197943
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB1B-827-U-T3R-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4098 lumens
Efficiency:	N/A
Efficacy:	103.0 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G1

Input Watts (W):	39.8
Input Voltage (V):	120.0
Input Current (Ain):	0.33
Voltage Rise (V):	NR
Power Factor:	0.996
Total Harmonic Distortion (THDi):	5.305
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

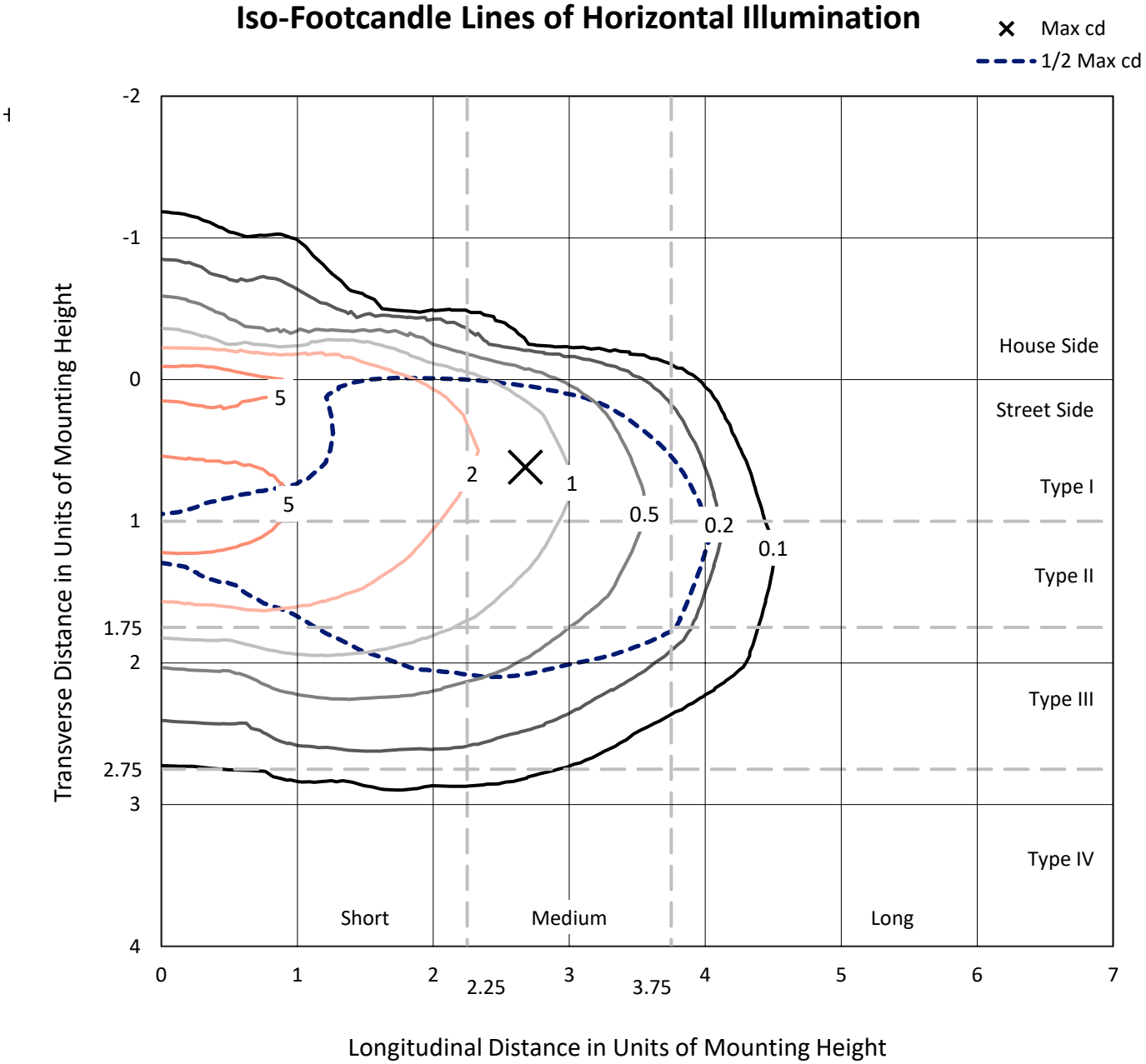


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Iso-Footcandle Lines of Horizontal Illumination



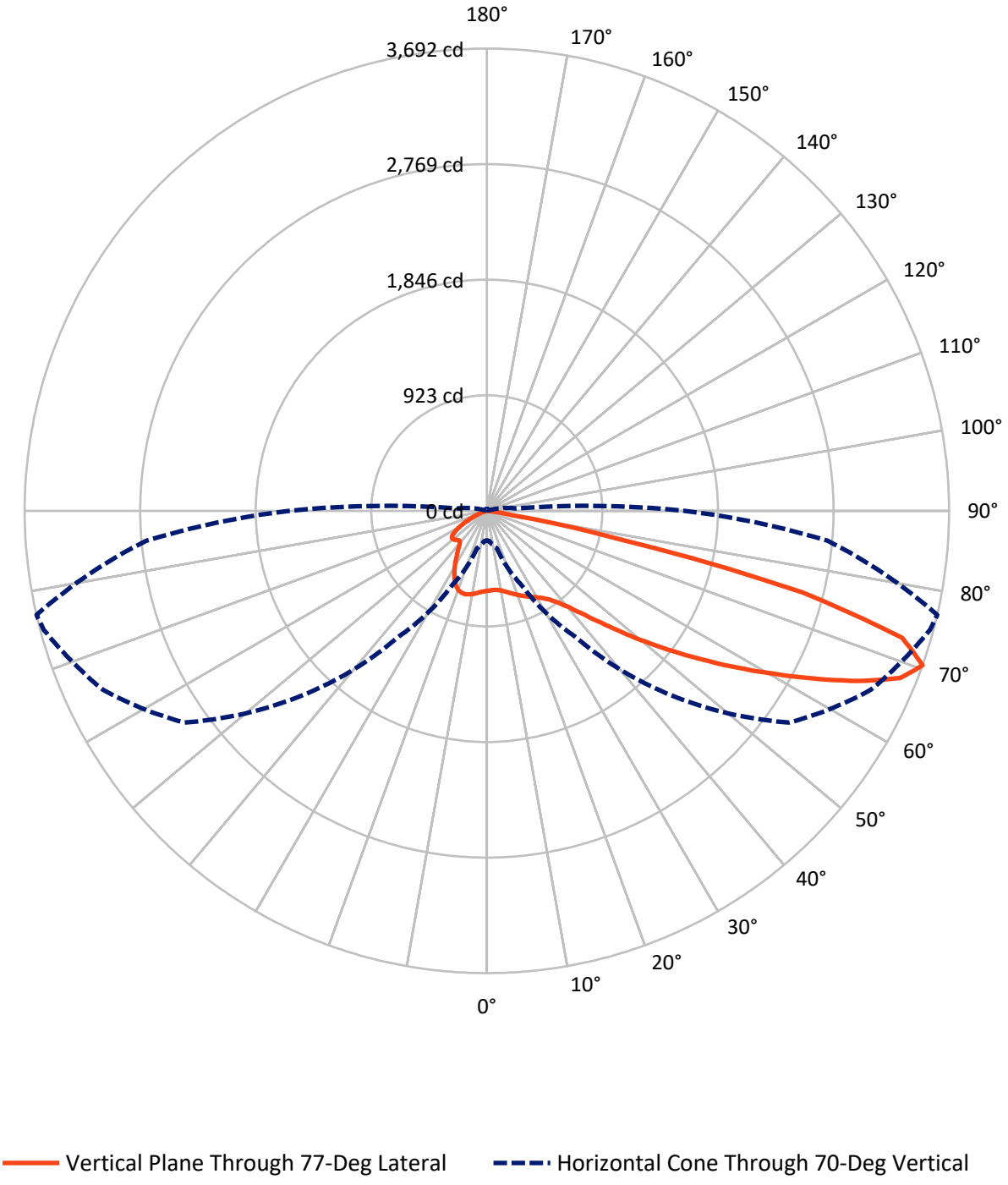
Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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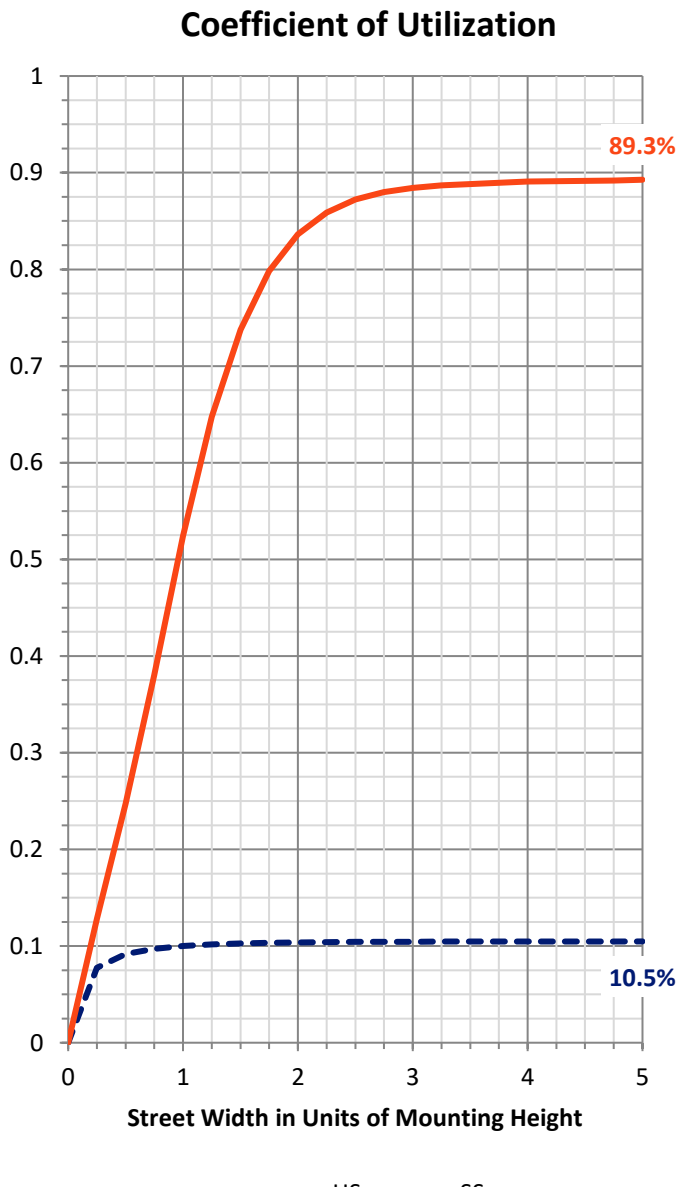
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	432.0	0.0	432.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3666.0	0.0	3666.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	4098.0	0.0	4098.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	1.3
10°-20°	130.8	3.2
20°-30°	202.3	4.9
30°-40°	367.0	9.0
40°-50°	692.8	16.9
50°-60°	1001.1	24.4
60°-70°	1065.6	26.0
70°-80°	564.7	13.8
80°-90°	18.5	0.5
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°	4098.0	100.0
0°-180°	4098.0	100.0



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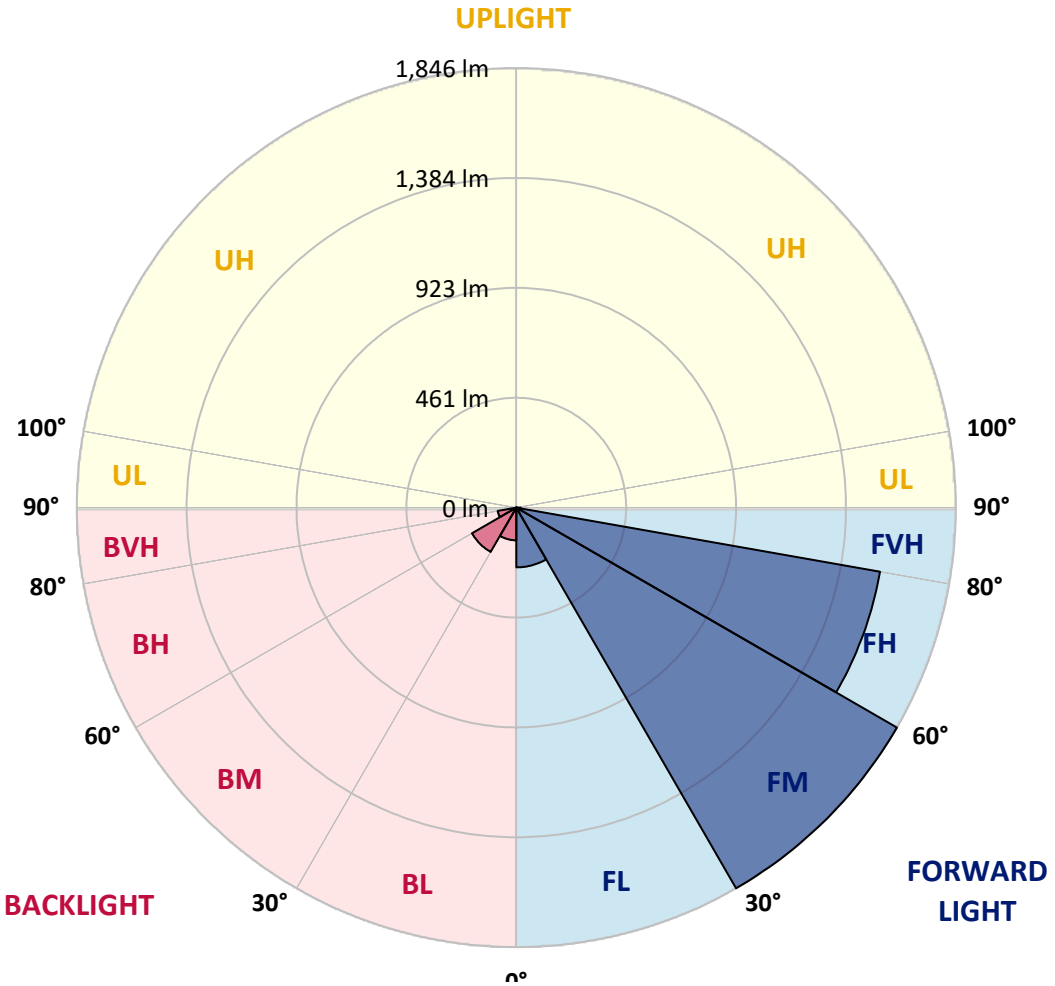
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	250.9	6.1			
FM	(30°-60°)	1845.9	45.0			
FH	(60°-80°)	1551.1	37.9			G1/1800
FVH	(80°-90°)	18.0	0.4			G1/100
BL	(0°-30°)	137.2	3.3	B1/500		
BM	(30°-60°)	215.0	5.2	B0/220		
BH	(60°-80°)	79.2	1.9	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	639.2	639.2	639.2	639.2	639.2	639.2	639.2	639.2	639.2	*639.2*	639.2
2.5°	600.1	605.6	604.8	608.4	609.7	614.9	620.1	627.1	634.8	*634.6*	639.7
5°	566.2	571.7	573.0	577.9	584.1	592.1	602.7	616.7	631.2	*633.5*	643.9
7.5°	526.1	531.8	535.2	545.0	556.4	573.0	590.3	610.7	634.8	*638.2*	658.1
10°	486.0	491.2	495.6	509.6	527.7	552.3	580.5	610.0	642.3	*647.2*	675.4
12.5°	461.2	466.1	471.0	483.2	505.7	535.7	574.0	613.6	654.7	*661.7*	699.0
15°	452.4	456.8	460.6	471.5	492.5	526.6	572.7	621.1	670.5	*679.8*	727.5
17.5°	453.7	456.0	458.6	466.9	487.3	522.5	575.0	634.0	689.2	*697.4*	755.9
20°	461.2	462.5	462.7	468.4	486.5	522.0	579.7	646.5	706.8	*717.9*	784.1
22.5°	470.7	471.3	470.7	474.6	491.4	525.9	585.9	661.5	726.4	*736.8*	812.6
25°	515.5	505.7	493.3	485.8	499.7	533.4	595.2	681.7	747.9	*758.0*	840.3
27.5°	654.5	626.3	581.8	531.8	516.8	544.2	608.2	702.1	769.6	*778.7*	870.1
30°	880.1	843.1	767.6	655.0	571.7	567.0	625.0	722.5	792.7	*802.5*	901.9
32.5°	1106.3	1097.3	1010.1	854.3	695.1	617.7	652.9	750.2	823.2	*831.0*	944.8
35°	1335.1	1316.7	1245.3	1091.3	885.3	721.0	699.5	786.5	863.3	*872.1*	1007.5
37.5°	1510.3	1499.2	1454.9	1328.1	1111.0	880.4	779.2	842.6	921.6	*931.4*	1087.7
40°	1665.1	1659.9	1644.9	1561.3	1363.3	1089.0	903.2	929.6	1002.3	*1013.9*	1186.0
42.5°	1786.7	1798.9	1807.4	1784.1	1623.4	1327.1	1069.8	1051.7	1114.9	*1126.8*	1311.3
45°	1911.2	1915.3	1949.7	1983.4	1881.7	1576.0	1257.7	1194.8	1254.9	*1269.6*	1461.4
47.5°	1991.1	2007.7	2068.3	2127.5	2098.8	1822.9	1459.6	1363.8	1417.1	*1444.8*	1629.6
50°	1997.1	2028.4	2111.7	2215.0	2256.9	2057.9	1679.0	1556.4	1613.0	*1643.6*	1809.2
52.5°	1898.0	1946.6	2075.8	2226.9	2342.3	2256.9	1906.0	1748.9	1821.6	*1861.5*	1995.5
55°	1455.2	1518.8	1940.4	2162.2	2345.7	2407.8	2127.0	1949.5	2054.0	*2099.1*	2196.9
57.5°	1267.8	1299.9	1525.6	2049.9	2283.3	2468.6	2326.8	2140.5	2306.9	*2362.8*	2387.1
60°	1054.8	1097.0	1279.5	1866.1	2198.7	2474.6	2503.3	2386.8	2580.9	*2643.8*	2561.5
62.5°	716.9	762.7	944.1	1550.4	2083.0	2471.7	2648.0	2640.4	2885.5	*2953.1*	2709.3
65°	444.1	472.8	592.4	1266.0	1921.3	2474.8	2799.3	2948.4	3206.9	*3275.5*	2823.7
67.5°	350.9	364.1	426.5	972.0	1642.5	2404.9	2950.5	3238.0	3509.5	*3563.8*	2858.6
70°	*235.8*	*243.8*	*310.3*	*651.6*	*1222.0*	*2082.5*	*2947.6*	*3383.4*	*3665.3*	*3692.4*	*2731.3*
72.5°	124.2	130.4	181.4	301.8	738.1	1480.3	2484.7	3209.5	3510.2	*3469.4*	2334.6
75°	62.1	72.5	122.1	153.2	315.2	825.5	1542.9	2530.5	2762.9	*2604.5*	1497.9
77.5°	47.1	56.9	100.9	100.9	109.7	277.9	653.4	1380.1	1273.0	*1060.0*	439.7
80°	30.0	38.8	88.2	76.3	45.8	70.6	170.3	386.6	270.4	*205.7*	80.0
82.5°	17.6	25.4	73.5	50.5	25.6	26.1	48.1	82.3	70.1	*54.6*	24.6
85°	7.0	16.6	50.5	19.9	10.1	6.5	14.5	17.6	14.5	*10.9*	6.2
87.5°	0.0	3.9	8.8	0.0	0.8	0.5	1.0	1.3	1.3	*1.0*	2.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	639.2	639.2	639.2	639.2	639.2	639.2	639.2	639.2	639.2	639.2	639.2
2.5°	642.1	642.6	644.1	644.4	640.8	636.1	634.3	633.5	630.4	630.2	630.7
5°	649.8	652.2	649.8	643.1	627.1	604.5	587.5	573.5	560.8	556.9	554.6
7.5°	665.4	667.7	660.7	634.3	593.9	549.2	508.8	480.3	454.7	445.1	441.2
10°	687.6	690.7	668.7	615.4	544.0	472.0	403.7	355.6	318.1	302.8	296.3
12.5°	715.6	716.9	673.1	586.7	479.0	376.3	279.5	228.0	194.6	182.2	178.3
15°	746.4	744.5	673.6	547.6	390.5	266.0	182.4	149.8	136.4	132.2	132.2
17.5°	778.7	771.2	663.3	491.2	293.5	181.9	135.3	127.6	125.3	124.2	124.0
20°	810.5	793.7	644.4	417.4	210.7	135.9	122.9	120.6	119.3	118.8	118.3
22.5°	839.5	810.8	612.0	331.8	152.9	120.1	116.2	114.1	111.8	110.8	110.5
25°	867.7	820.6	566.5	251.8	122.4	112.3	109.2	105.3	102.2	100.9	100.4
27.5°	895.2	826.8	509.6	186.3	109.2	105.1	99.4	93.9	91.6	91.1	90.6
30°	924.4	828.9	444.9	139.0	101.2	96.0	87.7	81.5	80.2	80.5	80.5
32.5°	960.1	832.0	379.6	113.9	94.5	85.1	75.3	68.8	67.8	68.8	68.6
35°	1002.8	838.2	316.8	104.8	88.5	74.0	63.4	58.0	56.9	57.7	57.5
37.5°	1060.8	848.3	258.0	103.0	83.6	64.7	53.3	48.9	48.9	49.2	48.9
40°	1137.9	875.2	205.5	101.7	81.0	57.7	45.0	43.2	44.0	44.5	44.5
42.5°	1231.8	932.4	170.0	100.2	78.2	54.6	40.9	40.1	41.4	41.9	41.9
45°	1337.2	1004.9	157.6	97.6	75.6	56.7	39.1	38.0	39.6	39.9	40.1
47.5°	1446.1	1075.8	156.1	94.7	73.0	59.8	38.6	36.2	38.0	38.3	38.6
50°	1556.4	1122.1	157.6	90.3	68.8	59.8	38.8	34.4	36.0	36.7	37.0
52.5°	1667.4	1143.3	156.6	80.7	61.6	56.2	38.8	32.9	34.4	34.9	34.9
55°	1775.0	1139.2	140.8	66.5	52.3	49.7	37.8	31.6	32.6	32.9	32.9
57.5°	1860.2	1081.5	111.5	51.8	42.4	41.4	34.4	30.0	30.8	30.5	30.5
60°	1904.7	954.7	79.7	39.9	33.4	32.6	30.3	27.9	28.5	27.2	26.9
62.5°	1905.2	787.0	53.3	31.6	26.7	25.9	25.9	25.1	24.6	22.0	21.2
65°	1864.6	600.9	35.5	25.1	21.5	20.2	21.7	21.5	19.7	16.0	15.5
67.5°	1772.5	393.9	26.9	19.7	16.6	15.8	17.3	18.1	16.8	13.5	13.2
70°	*1583.0*	*229.3*	*22.3*	*15.3*	*12.4*	*11.6*	*14.0*	*15.5*	*14.0*	*10.9*	*10.4*
72.5°	1314.9	123.7	18.1	11.4	8.5	7.8	11.1	12.7	11.1	8.0	7.8
75°	853.2	66.3	14.0	7.5	4.4	4.9	8.3	9.3	7.8	5.2	4.7
77.5°	286.5	29.2	8.8	3.6	2.1	2.1	4.9	5.7	3.6	1.8	1.6
80°	63.9	12.2	3.6	1.6	0.8	0.8	1.0	1.0	0.5	0.0	0.0
82.5°	21.0	4.9	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.0	1.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	0.3	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	0.0


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SS

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(END OF REPORT)