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: P1198892

Luminaire Tested: GPC-SB1D-827-U-T2R

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1198892
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB1D-827-U-T2R
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9061 lumens
Efficiency:	N/A
Efficacy:	113.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

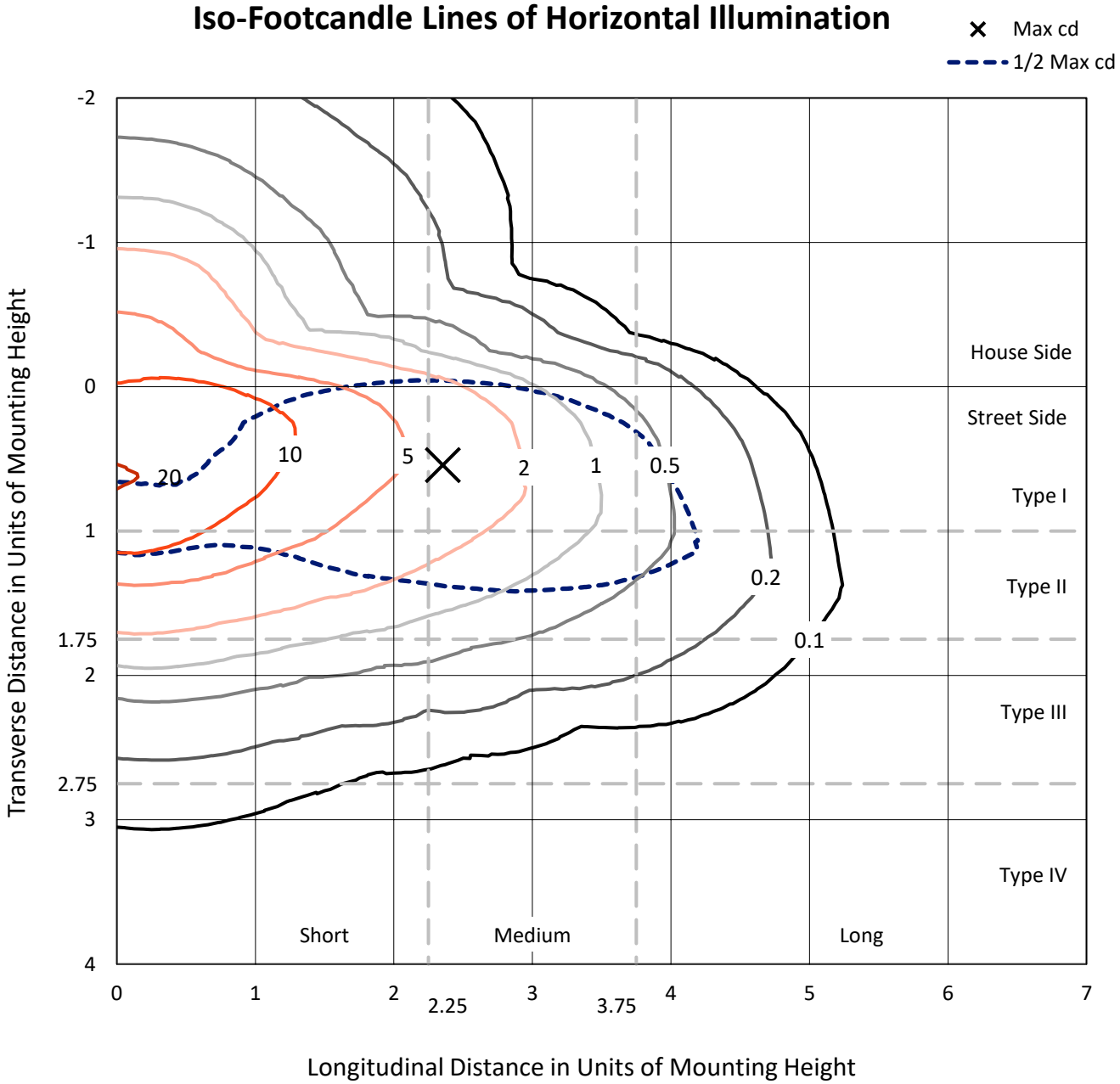


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Iso-Footcandle Lines of Horizontal Illumination



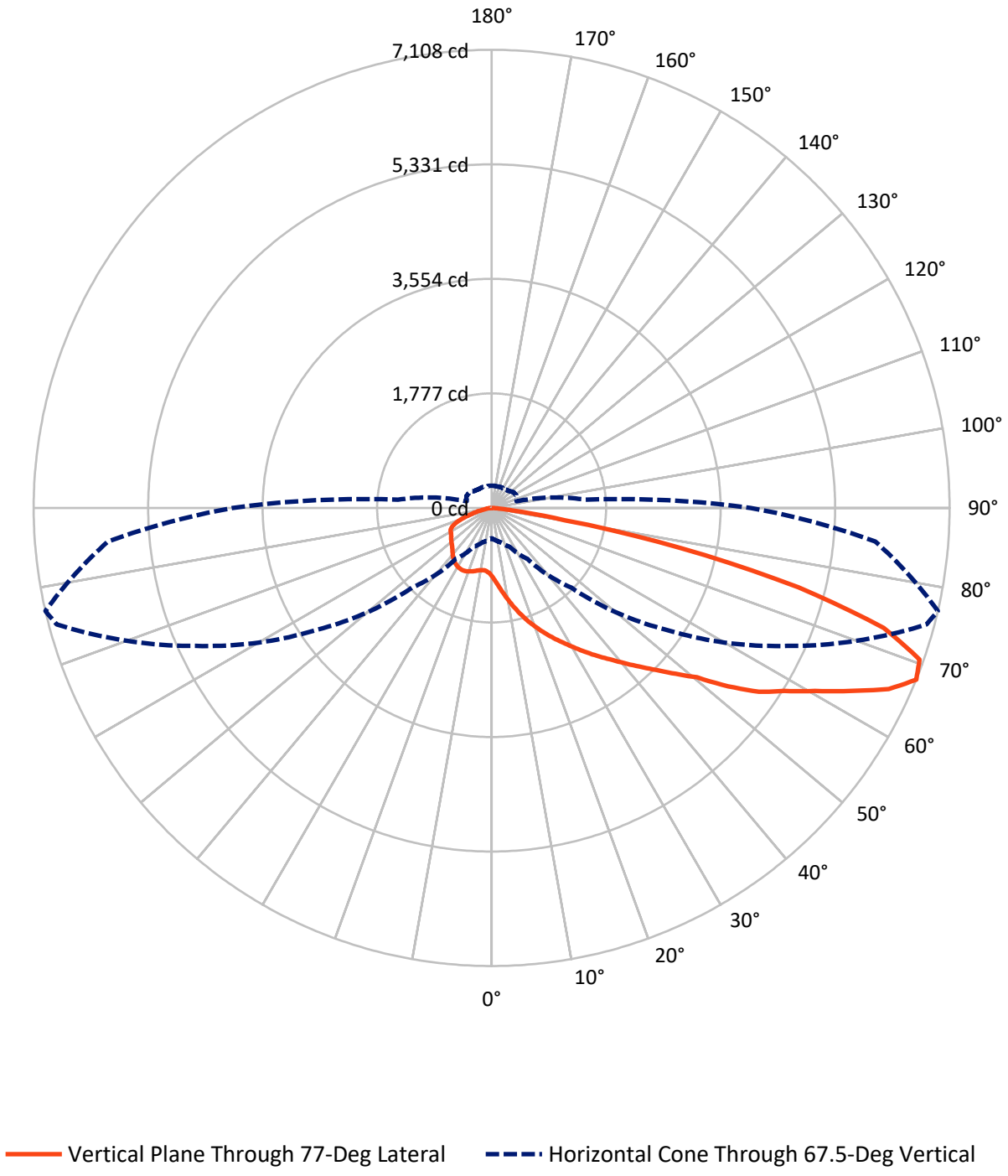
Based on 10 foot mounting height. Maximum calculated value = 20.8 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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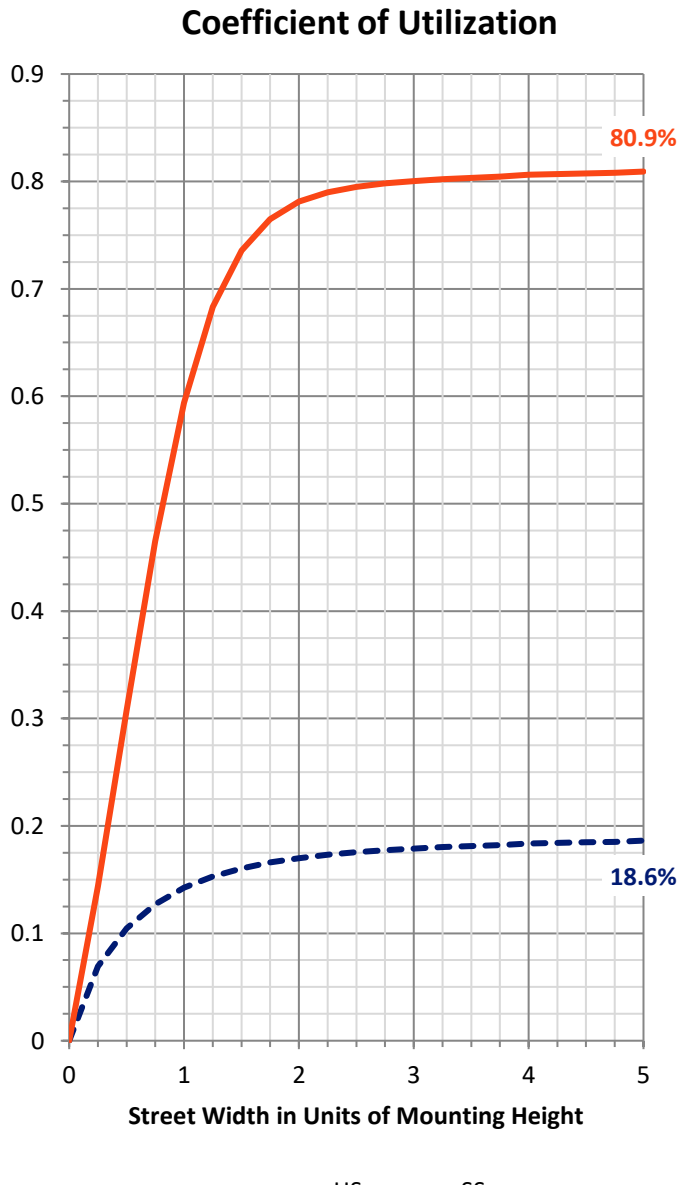
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1714.0	0.0	1714.0
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	7347.0	0.0	7347.0
	% Fixture	81.1	0.0	81.1
Total	Lumens	9061.0	0.0	9061.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	1.3
10°-20°	409.4	4.5
20°-30°	773.0	8.5
30°-40°	1245.2	13.7
40°-50°	1703.3	18.8
50°-60°	1921.3	21.2
60°-70°	1793.3	19.8
70°-80°	983.0	10.8
80°-90°	118.6	1.3
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°	9061.0	100.0
0°-180°	9061.0	100.0



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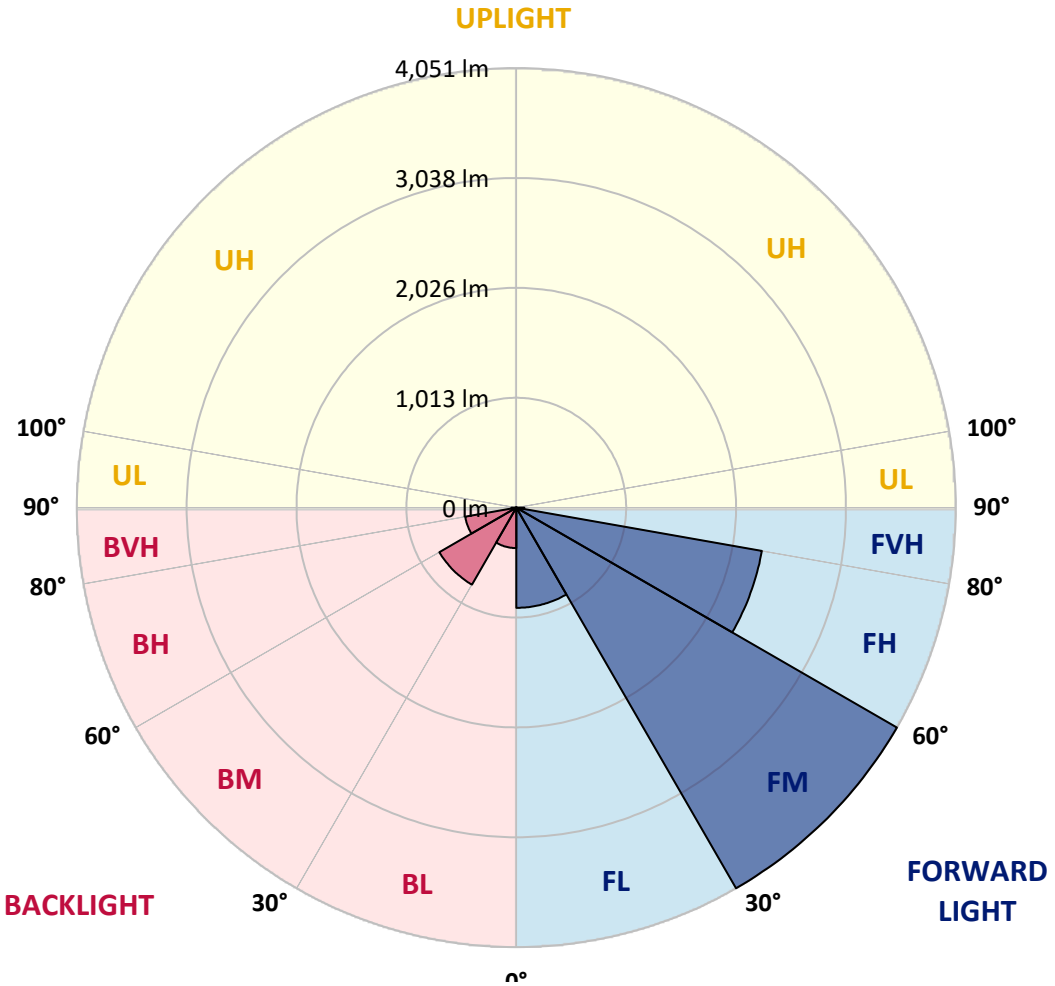
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	923.7	10.2			
FM	(30°-60°)	4051.1	44.7			
FH	(60°-80°)	2298.1	25.4			G2/5000
FVH	(80°-90°)	74.2	0.8			G1/100
BL	(0°-30°)	372.7	4.1	B1/500		
BM	(30°-60°)	818.7	9.0	B1/1000		
BH	(60°-80°)	478.2	5.3	B1/500		G1/500
BVH	(80°-90°)	44.4	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-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1063.1	1063.1	1063.1	1063.1	1063.1	1063.1	1063.1	1063.1	1063.1	*1063.1*	1063.1
2.5°	1331.1	1340.5	1328.8	1328.8	1289.5	1268.9	1229.6	1199.7	1145.9	*1136.6*	1101.0
5°	1573.4	1585.1	1568.7	1561.7	1515.4	1472.9	1406.9	1341.9	1246.0	*1236.2*	1152.5
7.5°	1761.0	1775.9	1761.4	1754.0	1712.8	1665.1	1587.9	1497.2	1362.0	*1342.8*	1221.7
10°	1913.9	1916.3	1911.6	1914.4	1882.1	1842.8	1763.8	1658.1	1489.2	*1463.0*	1305.4
12.5°	2000.5	2011.2	2020.6	2037.4	2031.8	2007.5	1936.4	1810.1	1623.9	*1590.3*	1396.6
15°	2041.1	2059.9	2080.9	2119.7	2151.1	2157.1	2102.9	1973.3	1761.0	*1720.3*	1488.8
17.5°	2055.6	2073.4	2106.6	2162.8	2230.1	2275.5	2251.2	2131.9	1896.6	*1849.8*	1585.6
20°	2129.1	2134.2	2154.3	2207.7	2280.6	2355.9	2374.2	2284.4	2030.9	*1978.0*	1685.7
22.5°	2286.2	2275.9	2281.6	2305.9	2358.3	2431.2	2472.9	2419.1	2168.8	*2108.0*	1786.7
25°	2545.8	2515.9	2486.0	2457.9	2484.6	2525.7	2573.0	2553.8	2313.4	*2236.2*	1888.7
27.5°	2873.7	2837.2	2771.3	2679.1	2646.9	2661.3	2682.4	2678.7	2447.1	*2369.0*	1993.9
30°	3196.4	3153.9	3075.3	2942.0	2856.9	2818.5	2802.6	2791.8	2592.6	*2509.3*	2100.1
32.5°	3454.1	3420.5	3343.3	3194.1	3070.6	3005.1	2952.3	2913.9	2744.6	*2661.3*	2212.3
35°	3679.6	3648.2	3559.8	3397.1	3262.8	3193.2	3123.9	3042.1	2902.7	*2818.5*	2333.0
37.5°	3885.4	3854.0	3732.9	3563.6	3428.4	3380.2	3318.5	3179.6	3061.3	*2981.7*	2460.7
40°	4015.4	4008.4	3895.2	3703.4	3563.1	3539.3	3518.7	3339.1	3237.1	*3163.2*	2601.0
42.5°	4048.6	4064.1	3974.3	3816.6	3682.9	3663.7	3711.9	3519.6	3434.5	*3363.9*	2760.0
45°	3968.6	4013.1	3954.1	3847.0	3768.0	3757.7	3883.0	3717.0	3652.9	*3588.4*	2951.8
47.5°	3766.1	3841.4	3817.1	3802.1	3790.9	3835.3	4033.7	3926.5	3900.4	*3844.2*	3170.7
50°	3357.3	3500.0	3542.5	3637.0	3745.5	3895.7	4170.7	4155.3	4189.4	*4132.8*	3437.3
52.5°	2650.6	2847.0	3094.0	3330.7	3606.2	3875.6	4321.3	4483.6	4627.7	*4596.8*	3861.1
55°	2188.0	2276.4	2466.3	2900.4	3335.8	3790.9	4389.1	4748.8	5062.6	*5035.0*	4182.4
57.5°	1832.5	1911.6	2028.5	2391.0	2927.0	3598.7	4431.2	4910.6	5360.6	*5357.8*	4499.5
60°	1451.3	1535.1	1654.8	1911.6	2449.5	3266.6	4421.9	5094.9	5740.8	*5764.2*	4886.3
62.5°	1021.0	1113.2	1246.0	1485.5	1961.6	2836.3	4231.0	5228.2	6188.5	*6252.1*	5351.7
65°	671.2	732.0	832.1	1038.8	1461.6	2283.0	3866.7	5245.5	6667.4	*6775.0*	5788.6
67.5°	*470.5*	*493.9*	*552.8*	*665.1*	*963.5*	*1750.7*	*3286.2*	*5066.4*	*6986.9*	*7108.0*	*5978.0*
70°	367.2	378.9	408.8	453.7	605.2	1177.3	2518.2	4600.5	6918.6	*7044.9*	5780.1
72.5°	317.1	328.3	339.6	345.2	406.0	726.8	1705.8	3846.6	6275.5	*6361.0*	5025.7
75°	287.7	290.5	299.8	297.9	309.6	471.5	984.6	2802.6	4951.3	*4921.9*	3710.0
77.5°	241.8	245.6	261.0	258.7	275.0	322.3	511.2	1808.7	3210.0	*3009.8*	2065.0
80°	204.9	206.7	223.6	220.8	239.0	233.4	261.0	921.9	1361.5	*1153.4*	595.4
82.5°	71.1	87.9	170.7	175.9	182.4	141.3	150.6	376.1	415.8	*318.5*	124.9
85°	34.6	37.0	87.0	123.5	123.0	71.1	73.4	134.2	131.0	*102.9*	41.6
87.5°	5.6	7.0	10.3	48.2	38.4	18.7	25.3	26.2	27.1	*23.4*	9.4
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°	1063.1	1063.1	1063.1	1063.1	1063.1	1063.1	1063.1	1063.1	1063.1	1063.1	1063.1
2.5°	1074.8	1051.4	1002.3	957.0	921.4	887.3	868.1	851.7	842.4	840.5	840.5
5°	1103.8	1055.7	966.3	891.0	841.9	805.4	786.2	774.1	768.0	764.3	763.8
7.5°	1145.5	1074.8	947.6	862.0	810.6	784.4	774.6	772.7	772.2	772.7	774.1
10°	1203.0	1106.2	945.7	855.0	812.0	797.5	797.0	797.5	799.3	799.8	800.3
12.5°	1265.2	1138.4	953.2	861.1	829.7	821.8	820.4	819.9	821.3	822.3	822.7
15°	1333.0	1181.0	965.9	874.2	849.4	841.0	839.6	836.8	836.3	835.8	835.4
17.5°	1402.7	1223.1	979.9	888.2	862.0	850.3	845.2	838.6	833.5	832.1	833.5
20°	1473.3	1264.7	989.7	895.2	863.0	846.6	836.3	825.1	816.2	811.0	812.9
22.5°	1548.6	1308.2	995.8	893.4	854.5	832.1	813.4	800.3	786.7	777.8	778.3
25°	1622.1	1346.1	995.3	883.5	838.2	809.6	785.8	768.9	750.2	740.9	740.9
27.5°	1692.7	1380.3	983.6	866.2	814.8	783.0	754.4	734.3	716.1	707.2	706.7
30°	1765.7	1408.8	965.4	841.0	787.2	752.1	720.8	703.5	687.1	678.7	678.2
32.5°	1838.2	1435.0	939.7	809.6	755.4	721.7	690.8	674.9	665.1	665.1	665.6
35°	1914.9	1453.2	905.5	773.1	721.7	689.4	665.1	655.7	654.8	649.2	647.8
37.5°	1995.8	1464.9	863.9	735.7	688.5	658.1	650.6	639.4	630.0	617.9	616.0
40°	2080.9	1476.6	813.8	696.9	653.4	636.6	633.3	618.3	591.7	561.7	557.5
42.5°	2184.3	1484.6	761.9	658.1	616.5	610.8	615.5	589.8	547.2	524.8	525.3
45°	2304.0	1497.7	714.2	619.7	578.6	578.6	598.2	564.5	529.5	515.4	517.8
47.5°	2459.3	1528.1	669.8	577.6	543.5	552.8	559.9	534.1	514.5	497.2	496.7
50°	2683.8	1601.0	623.9	535.1	516.8	535.5	525.7	510.8	487.8	473.8	472.4
52.5°	2962.6	1644.1	583.3	496.7	493.9	512.6	498.6	484.6	467.3	448.5	444.8
55°	3152.5	1652.0	549.1	468.7	478.5	476.6	471.5	458.8	449.5	424.7	425.2
57.5°	3364.8	1667.9	521.0	451.8	468.7	448.1	446.2	435.5	423.3	406.5	400.8
60°	3618.8	1692.7	496.7	445.3	460.2	429.4	420.0	415.8	403.6	395.2	397.6
62.5°	3895.7	1715.1	471.9	446.2	450.4	411.1	397.1	395.7	388.2	385.4	385.4
65°	4084.6	1653.9	441.1	445.3	435.0	392.4	374.6	374.2	368.1	367.2	366.7
67.5°	*4018.7*	*1459.8*	*399.4*	*432.2*	*419.1*	*373.7*	*354.1*	*352.2*	*344.2*	*344.7*	*344.7*
70°	3688.5	1182.9	341.9	399.9	399.4	356.9	332.6	326.5	315.7	317.6	319.5
72.5°	3069.2	876.5	264.7	346.1	368.1	341.4	307.8	297.9	284.4	286.2	285.8
75°	2216.5	595.9	192.7	263.3	320.4	323.2	283.4	266.6	250.2	253.0	254.0
77.5°	1134.2	337.7	141.7	181.5	251.6	293.7	261.5	239.0	235.3	261.5	257.7
80°	370.0	169.3	98.2	127.2	165.1	240.4	229.2	203.5	202.5	208.6	179.1
82.5°	110.4	71.6	63.1	83.7	91.2	184.3	197.8	153.9	132.4	139.4	144.1
85°	37.9	34.6	36.0	41.6	43.5	108.0	138.4	102.0	96.4	106.2	104.8
87.5°	8.9	12.2	10.3	9.4	9.4	26.2	53.8	42.6	58.9	39.3	37.9
90°	0.0	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)