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: P1200323

Luminaire Tested: GPC-SB2C-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:	P1200323
	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-SB2C-827-U-T3R-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III ROADWAY OPTI(
	WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10840 lumens
Efficiency:	N/A
Efficacy:	107.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	100.9
Input Voltage (V):	120.0
Input Current (Ain):	0.857
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.472
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

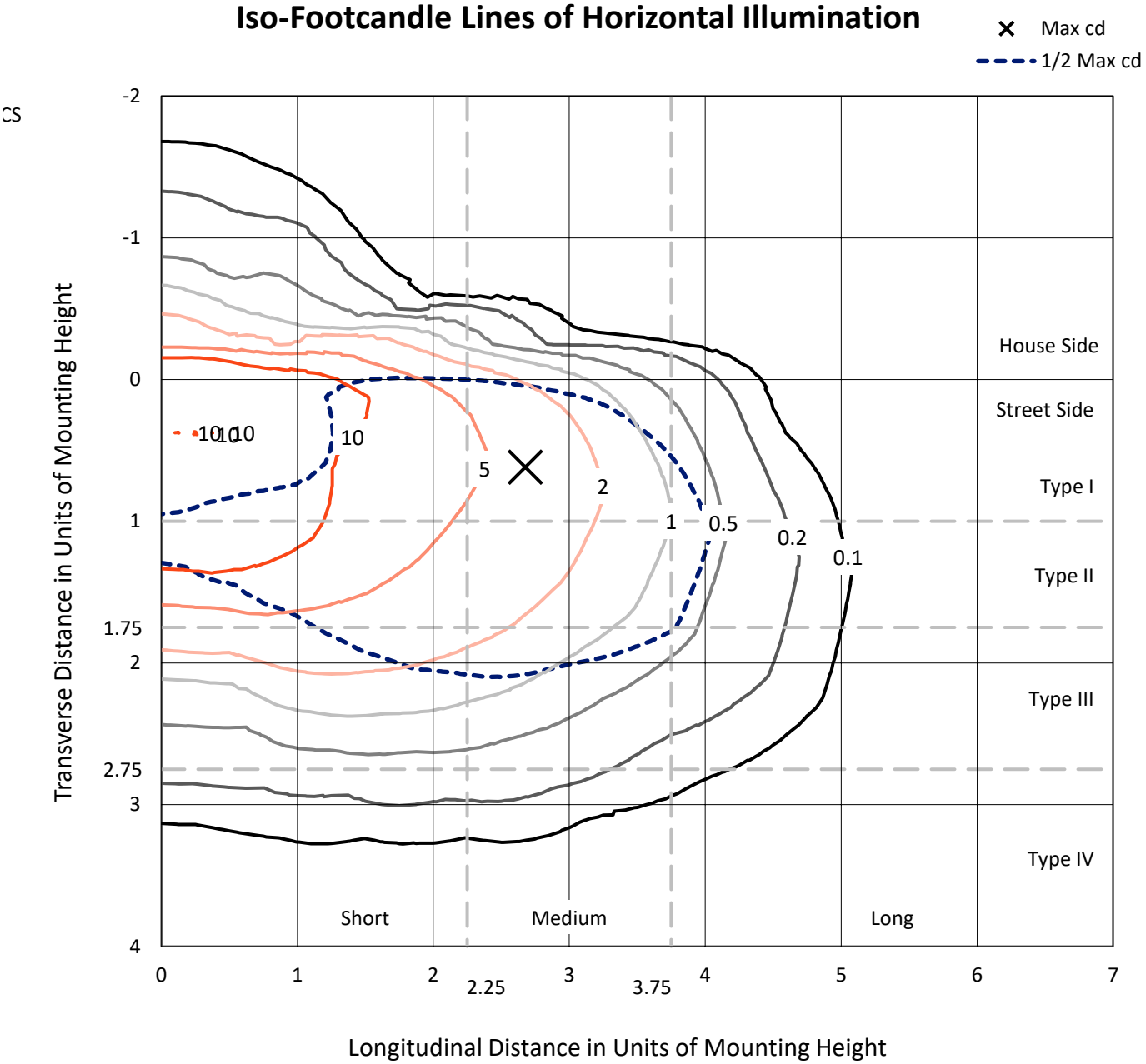


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Iso-Footcandle Lines of Horizontal Illumination



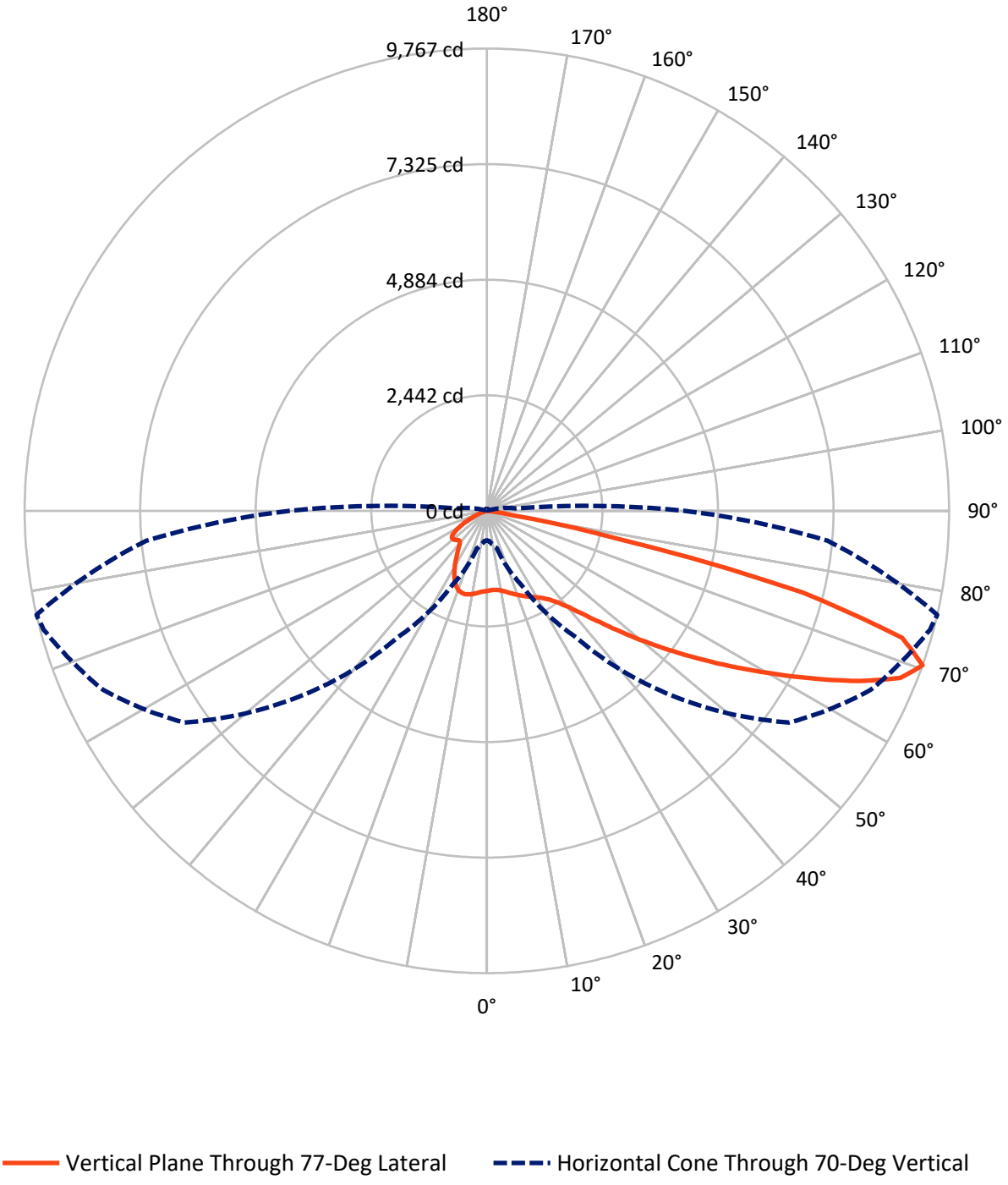
Based on 10 foot mounting height. Maximum calculated value = 19.9 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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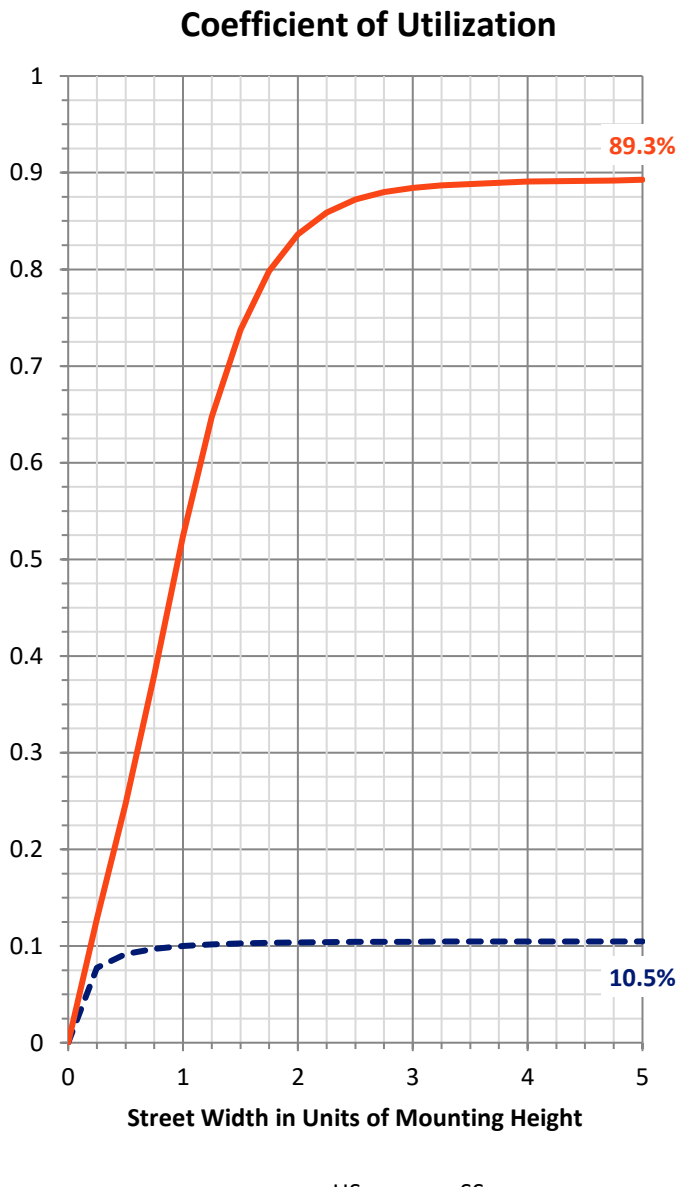
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1142.7	0.0	1142.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	9697.3	0.0	9697.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	10840.0	0.0	10840.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.7	1.3
10°-20°	345.9	3.2
20°-30°	535.1	4.9
30°-40°	970.9	9.0
40°-50°	1832.7	16.9
50°-60°	2648.1	24.4
60°-70°	2818.8	26.0
70°-80°	1493.8	13.8
80°-90°	49.0	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°	10840.0	100.0
0°-180°	10840.0	100.0



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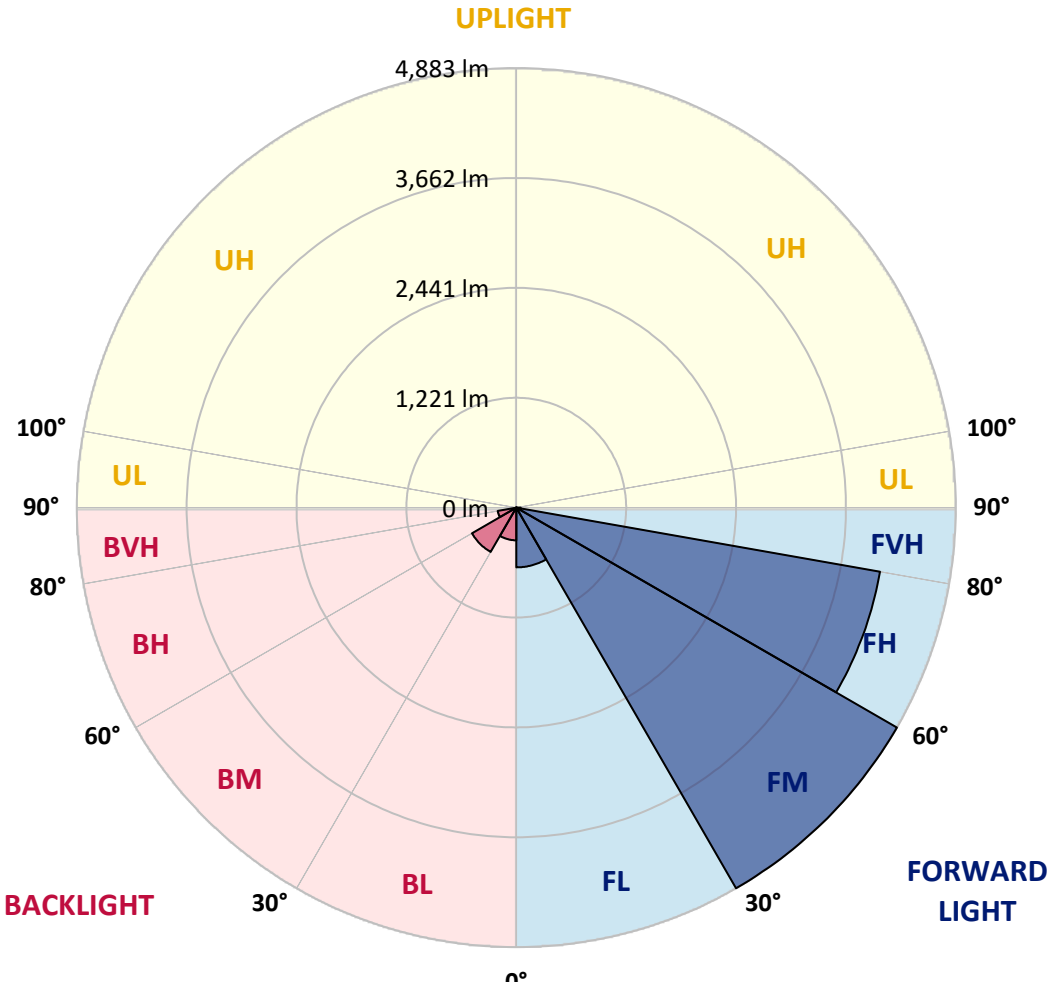
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	663.7	6.1			
FM	(30°-60°)	4882.8	45.0			
FH	(60°-80°)	4103.1	37.9			G2/5000
FVH	(80°-90°)	47.7	0.4			G1/100
BL	(0°-30°)	363.1	3.3	B1/500		
BM	(30°-60°)	568.8	5.2	B1/1000		
BH	(60°-80°)	209.5	1.9	B1/500		G1/500
BVH	(80°-90°)	1.3	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-G2
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1690.8	1690.8	1690.8	1690.8	1690.8	1690.8	1690.8	1690.8	1690.8	*1690.8*	1690.8
2.5°	1587.5	1601.9	1599.8	1609.4	1612.8	1626.5	1640.2	1658.7	1679.2	*1678.5*	1692.2
5°	1497.8	1512.2	1515.6	1528.6	1545.0	1566.3	1594.3	1631.3	1669.6	*1675.8*	1703.2
7.5°	1391.7	1406.8	1415.7	1441.7	1471.8	1515.6	1561.5	1615.5	1679.2	*1688.1*	1740.8
10°	1285.6	1299.3	1310.9	1347.9	1395.8	1460.8	1535.5	1613.5	1699.1	*1712.1*	1786.7
12.5°	1219.9	1232.9	1245.9	1278.1	1337.6	1417.0	1518.3	1623.1	1731.9	*1750.4*	1849.0
15°	1196.6	1208.2	1218.5	1247.3	1302.7	1393.1	1514.9	1642.9	1773.7	*1798.3*	1924.3
17.5°	1200.0	1206.2	1213.0	1234.9	1289.0	1382.1	1521.1	1677.2	1823.0	*1844.9*	1999.6
20°	1219.9	1223.3	1224.0	1239.0	1287.0	1380.7	1533.4	1710.0	1869.5	*1898.9*	2074.2
22.5°	1245.2	1246.6	1245.2	1255.5	1300.0	1391.0	1549.8	1749.7	1921.5	*1948.9*	2149.5
25°	1363.6	1337.6	1304.8	1284.9	1321.9	1410.9	1574.5	1803.1	1978.4	*2005.1*	2222.7
27.5°	1731.2	1656.6	1538.9	1406.8	1367.1	1439.6	1608.7	1857.2	2035.9	*2059.8*	2301.5
30°	2328.2	2230.3	2030.4	1732.6	1512.2	1499.9	1653.2	1911.3	2096.8	*2122.8*	2385.7
32.5°	2926.5	2902.5	2671.8	2259.7	1838.7	1634.0	1727.1	1984.5	2177.6	*2198.1*	2499.3
35°	3531.6	3483.0	3294.1	2886.8	2341.9	1907.2	1850.3	2080.4	2283.7	*2306.9*	2665.0
37.5°	3995.0	3965.6	3848.6	3513.1	2938.8	2328.8	2061.2	2228.9	2437.7	*2463.7*	2877.2
40°	4404.4	4390.7	4351.0	4129.9	3606.2	2880.6	2389.1	2458.9	2651.3	*2682.1*	3137.3
42.5°	4726.1	4758.3	4780.9	4719.3	4294.2	3510.4	2829.9	2782.0	2949.1	*2980.5*	3468.6
45°	5055.4	5066.4	5157.4	5246.4	4977.4	4168.9	3326.9	3160.6	3319.4	*3358.4*	3865.7
47.5°	5266.9	5310.8	5470.9	5627.7	5551.7	4822.0	3860.9	3607.6	3748.6	*3821.9*	4310.6
50°	5282.7	5365.5	5585.9	5859.1	5970.0	5443.6	4441.4	4116.9	4266.8	*4347.6*	4785.7
52.5°	5020.5	5149.2	5490.8	5890.6	6195.9	5970.0	5041.7	4626.2	4818.6	*4924.0*	5278.6
55°	3849.2	4017.6	5132.8	5719.4	6204.8	6369.1	5626.3	5156.7	5433.3	*5552.4*	5811.2
57.5°	3353.6	3438.5	4035.4	5422.3	6039.8	6529.9	6154.8	5661.9	6102.1	*6250.0*	6314.3
60°	2790.2	2901.8	3384.4	4936.3	5816.0	6545.7	6621.7	6313.6	6827.0	*6993.4*	6775.7
62.5°	1896.2	2017.4	2497.2	4101.2	5510.0	6538.2	7004.3	6984.5	7632.8	*7811.4*	7166.6
65°	1174.7	1250.7	1566.9	3348.8	5082.1	6546.4	7404.8	7799.1	8483.0	*8664.4*	7469.2
67.5°	928.3	963.2	1128.1	2571.2	4344.9	6361.5	7804.6	8565.1	9283.2	*9427.0*	7561.6
70°	*623.6*	*644.8*	*820.8*	*1723.7*	*3232.5*	*5508.6*	*7797.1*	*8949.8*	*9695.3*	*9767.2*	*7224.8*
72.5°	328.6	345.0	479.9	798.2	1952.3	3915.6	6572.4	8489.8	9285.3	*9177.1*	6175.3
75°	164.3	191.7	323.1	405.3	833.8	2183.7	4081.3	6693.6	7308.3	*6889.3*	3962.2
77.5°	124.6	150.6	267.0	267.0	290.3	735.2	1728.5	3650.7	3367.3	*2803.9*	1163.1
80°	79.4	102.7	233.4	201.9	121.2	186.9	450.4	1022.7	715.4	*544.2*	211.5
82.5°	46.5	67.1	194.4	133.5	67.8	69.1	127.3	217.7	185.5	*144.4*	65.0
85°	18.5	43.8	133.5	52.7	26.7	17.1	38.3	46.5	38.3	*28.8*	16.4
87.5°	0.0	10.3	23.3	0.0	2.1	1.4	2.7	3.4	3.4	*2.7*	5.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1690.8	1690.8	1690.8	1690.8	1690.8	1690.8	1690.8	1690.8	1690.8	1690.8	1690.8
2.5°	1698.4	1699.7	1703.9	1704.5	1695.0	1682.6	1677.8	1675.8	1667.6	1666.9	1668.3
5°	1718.9	1725.1	1718.9	1701.1	1658.7	1599.1	1553.9	1517.0	1483.4	1473.2	1467.0
7.5°	1760.0	1766.1	1747.7	1677.8	1571.0	1452.6	1345.8	1270.5	1202.8	1177.4	1167.2
10°	1818.9	1827.1	1768.9	1627.9	1438.9	1248.6	1067.9	940.6	841.3	800.9	783.8
12.5°	1892.8	1896.2	1780.5	1551.9	1267.1	995.3	739.3	603.1	514.8	481.9	471.7
15°	1974.2	1969.5	1781.9	1448.5	1033.0	703.7	482.6	396.4	360.8	349.8	349.8
17.5°	2059.8	2040.0	1754.5	1299.3	776.3	481.2	358.0	337.5	331.3	328.6	327.9
20°	2144.0	2099.5	1704.5	1104.2	557.2	359.4	325.2	319.0	315.6	314.2	312.8
22.5°	2220.7	2144.7	1619.0	877.6	404.6	317.6	307.4	301.9	295.7	293.0	292.3
25°	2295.3	2170.7	1498.5	666.1	323.8	297.1	288.9	278.6	270.4	267.0	265.6
27.5°	2367.9	2187.1	1347.9	492.9	288.9	277.9	262.9	248.5	242.3	241.0	239.6
30°	2445.2	2192.6	1176.7	367.6	267.7	254.0	232.1	215.6	212.2	212.9	212.9
32.5°	2539.7	2200.8	1004.2	301.2	249.9	225.2	199.2	182.1	179.4	182.1	181.4
35°	2652.6	2217.3	837.9	277.2	234.1	195.8	167.7	153.3	150.6	152.7	152.0
37.5°	2806.0	2244.0	682.5	272.5	221.1	171.1	141.0	129.4	129.4	130.1	129.4
40°	3010.0	2315.2	543.5	269.0	214.3	152.7	119.1	114.3	116.4	117.7	117.7
42.5°	3258.5	2466.4	449.8	264.9	206.7	144.4	108.2	106.1	109.5	110.9	110.9
45°	3537.1	2658.1	416.9	258.1	199.9	149.9	103.4	100.6	104.7	105.4	106.1
47.5°	3825.3	2845.7	412.8	250.5	193.0	158.1	102.0	95.8	100.6	101.3	102.0
50°	4116.9	2968.2	416.9	238.9	182.1	158.1	102.7	91.0	95.2	97.2	97.9
52.5°	4410.6	3024.4	414.2	213.6	162.9	148.5	102.7	86.9	91.0	92.4	92.4
55°	4695.3	3013.4	372.4	175.9	138.3	131.4	99.9	83.5	86.3	86.9	86.9
57.5°	4920.6	2860.7	295.0	136.9	112.3	109.5	91.0	79.4	81.5	80.8	80.8
60°	5038.3	2525.3	210.8	105.4	88.3	86.3	80.1	73.9	75.3	71.9	71.2
62.5°	5039.7	2081.7	141.0	83.5	70.5	68.5	68.5	66.4	65.0	58.2	56.1
65°	4932.2	1589.5	93.8	66.4	56.8	53.4	57.5	56.8	52.0	42.4	41.1
67.5°	4688.5	1041.9	71.2	52.0	43.8	41.8	45.9	47.9	44.5	35.6	34.9
70°	*4187.4*	*606.5*	*58.9*	*40.4*	*32.9*	*30.8*	*37.0*	*41.1*	*37.0*	*28.8*	*27.4*
72.5°	3478.2	327.2	47.9	30.1	22.6	20.5	29.4	33.5	29.4	21.2	20.5
75°	2257.0	175.2	37.0	19.9	11.6	13.0	21.9	24.6	20.5	13.7	12.3
77.5°	757.8	77.4	23.3	9.6	5.5	5.5	13.0	15.1	9.6	4.8	4.1
80°	169.1	32.2	9.6	4.1	2.1	2.1	2.7	2.7	1.4	0.0	0.0
82.5°	55.4	13.0	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.2	4.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.2	0.7	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)