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: P1200318

Luminaire Tested: GPC-SB2C-827-U-T2-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1200318
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2C-827-U-T2-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9508 lumens
Efficiency:	N/A
Efficacy:	94.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - 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

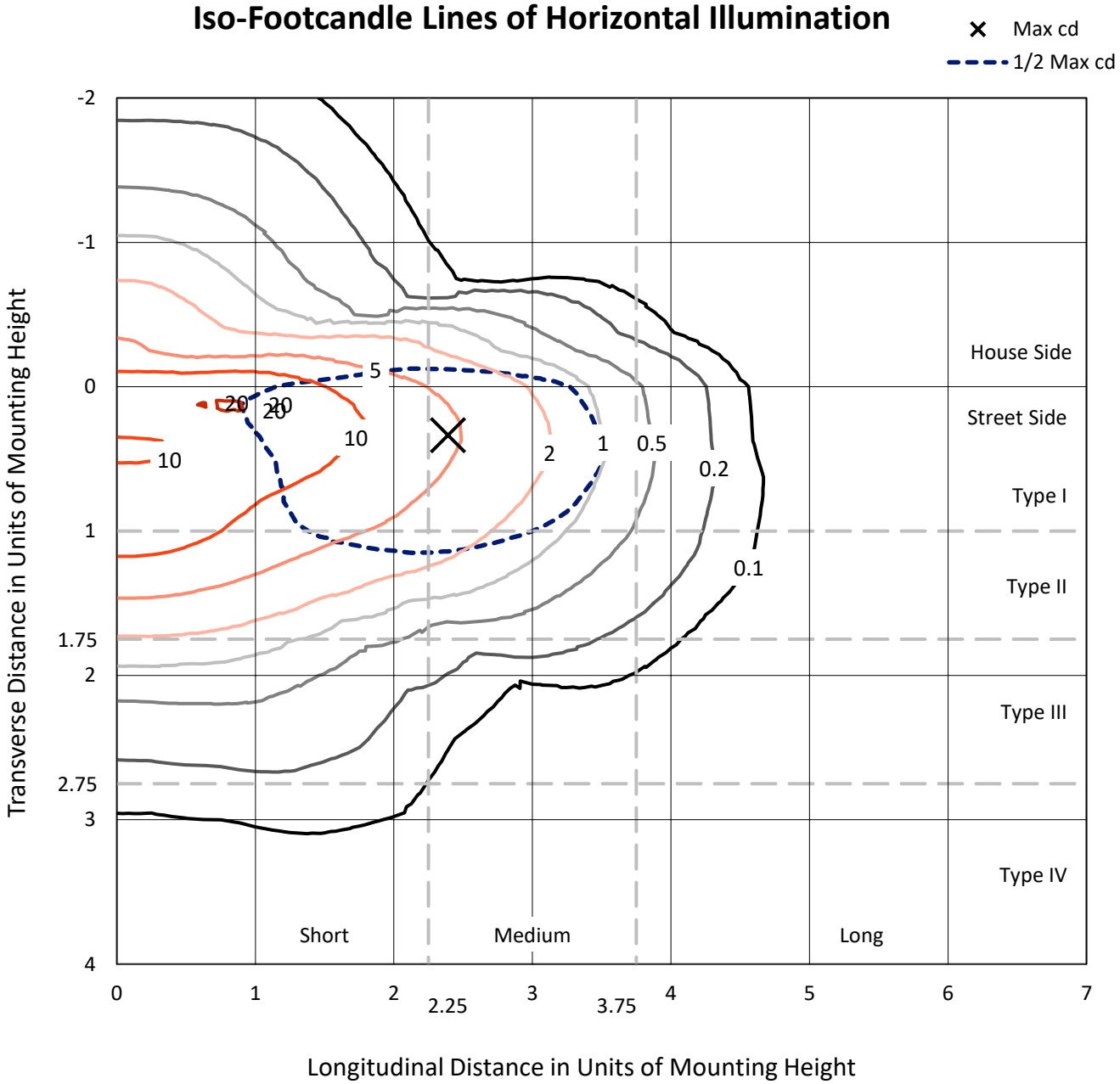


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Iso-Footcandle Lines of Horizontal Illumination



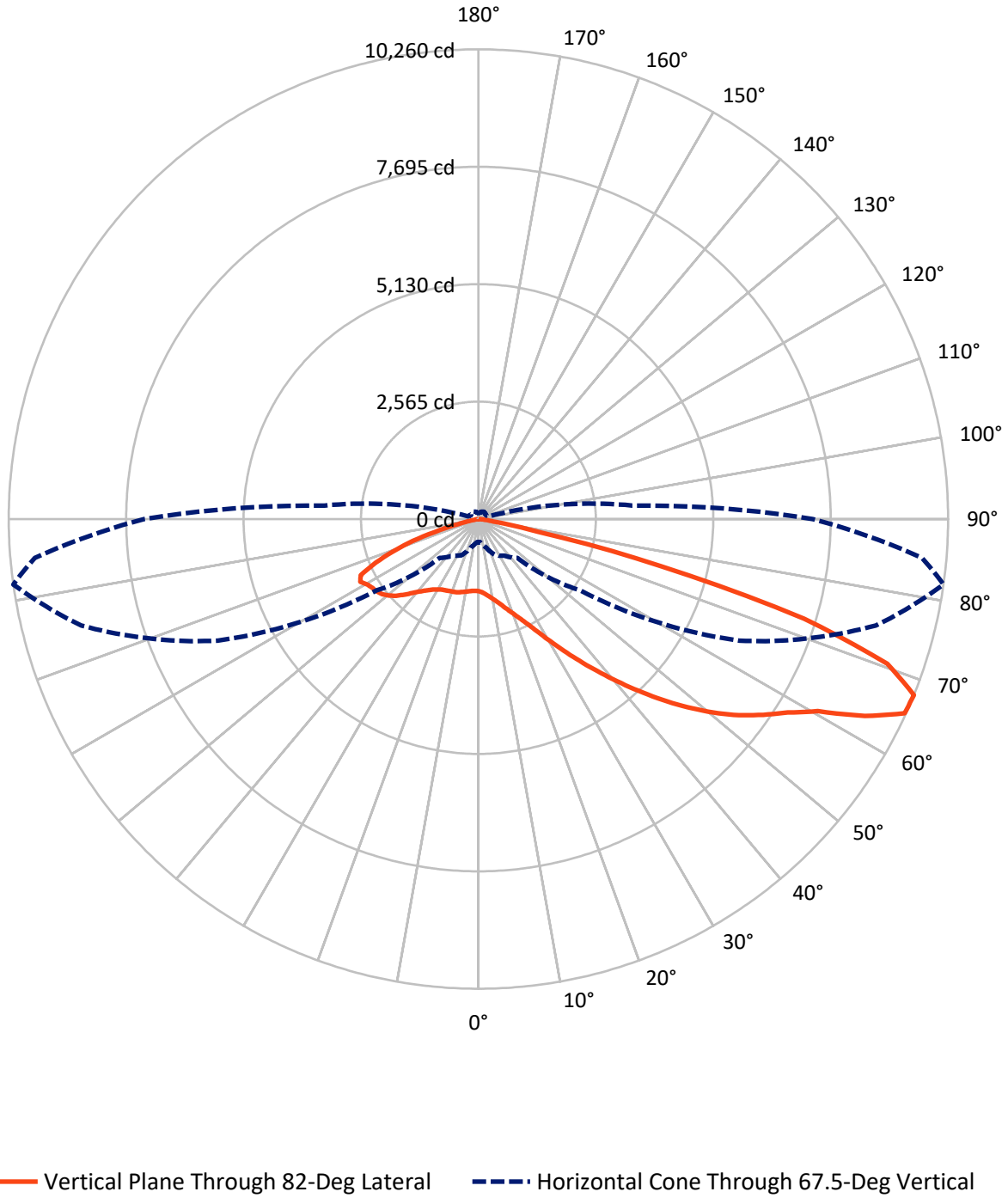
Based on 10 foot mounting height. Maximum calculated value = 20.8 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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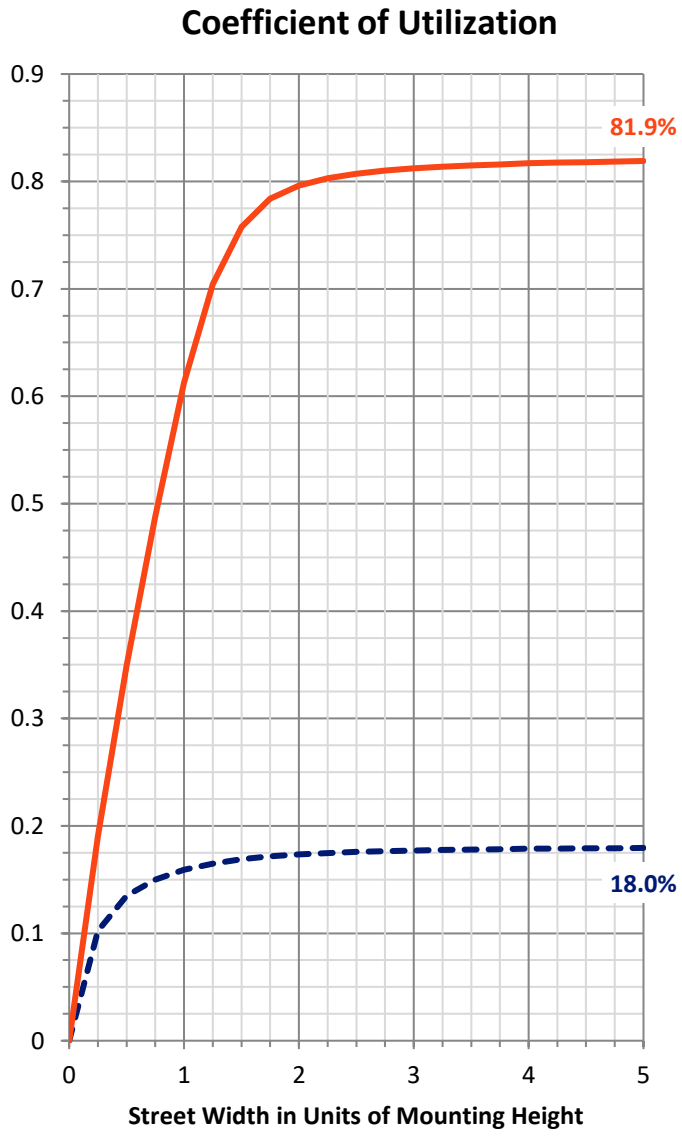
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1722.3	0.0	1722.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	7785.7	0.0	7785.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	9508.0	0.0	9508.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	1.5
10°-20°	364.7	3.8
20°-30°	584.1	6.1
30°-40°	1032.8	10.9
40°-50°	1809.7	19.0
50°-60°	2413.6	25.4
60°-70°	2246.9	23.6
70°-80°	862.4	9.1
80°-90°	53.6	0.6
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°	9508.0	100.0
0°-180°	9508.0	100.0



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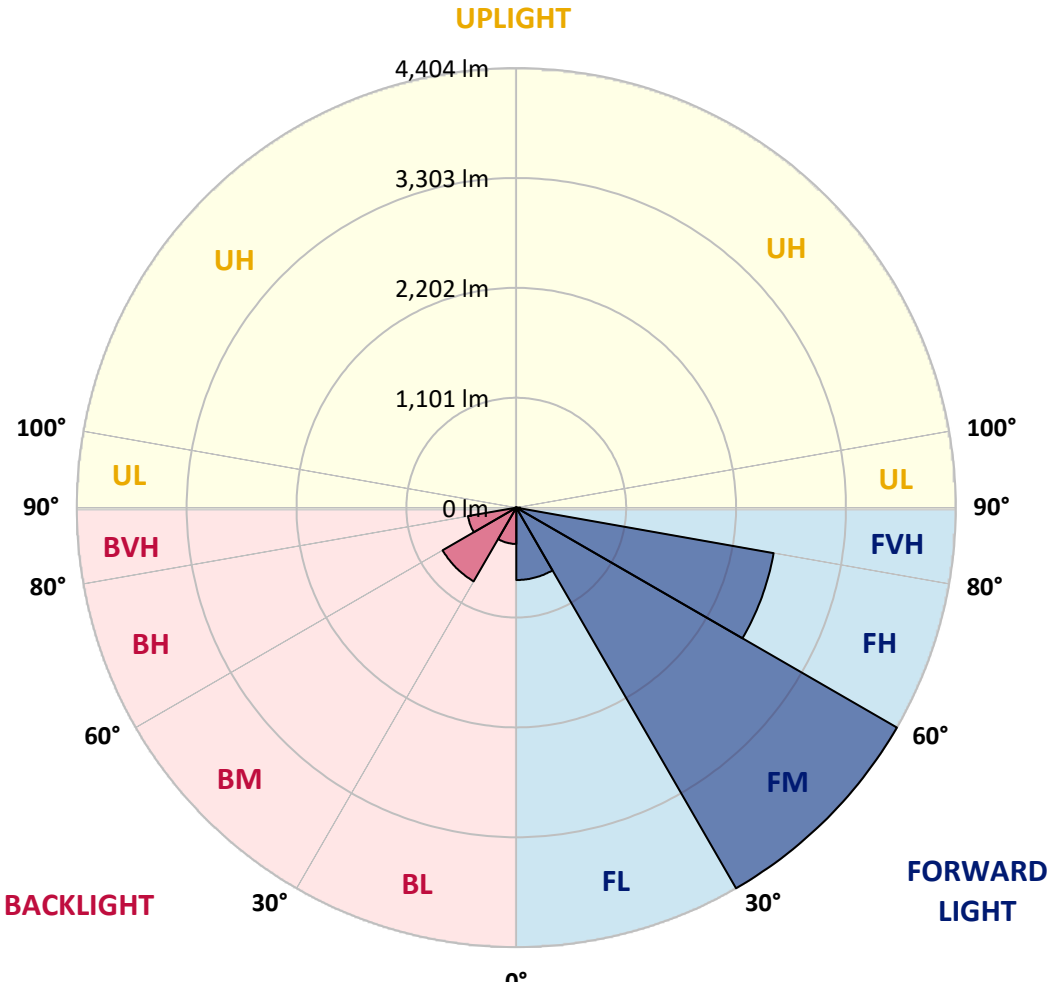
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	725.4	7.6			
FM	(30°-60°)	4403.7	46.3			
FH	(60°-80°)	2617.7	27.5			G2/5000
FVH	(80°-90°)	38.9	0.4			G1/100
BL	(0°-30°)	363.7	3.8	B1/500		
BM	(30°-60°)	852.4	9.0	B1/1000		
BH	(60°-80°)	491.6	5.2	B1/500		G1/500
BVH	(80°-90°)	14.6	0.2			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°	82°	85°
0°	1575.2	1575.2	1575.2	1575.2	1575.2	1575.2	1575.2	1575.2	1575.2	*1575.2*	1575.2
2.5°	1664.8	1674.4	1668.9	1666.2	1661.4	1654.6	1649.1	1632.0	1614.2	*1602.5*	1598.4
5°	1698.4	1708.0	1707.3	1710.0	1713.4	1715.5	1714.1	1695.0	1669.6	*1649.8*	1638.1
7.5°	1669.6	1680.6	1689.5	1703.2	1727.1	1752.5	1764.8	1760.7	1734.7	*1707.3*	1692.9
10°	1588.2	1599.8	1621.0	1653.2	1703.8	1758.6	1804.5	1825.7	1809.3	*1779.2*	1759.3
12.5°	1438.9	1450.6	1492.3	1562.1	1647.0	1742.2	1829.8	1886.6	1890.7	*1860.6*	1837.3
15°	1271.2	1282.9	1327.3	1415.0	1544.3	1697.0	1843.5	1951.0	1987.3	*1961.2*	1933.2
17.5°	1167.2	1177.4	1211.0	1281.5	1416.3	1606.6	1838.7	2019.4	2102.3	*2081.7*	2048.2
20°	1135.7	1144.6	1160.3	1209.6	1321.9	1512.9	1807.2	2083.8	2226.2	*2214.5*	2176.9
22.5°	1169.2	1177.4	1182.2	1204.1	1274.6	1451.2	1767.5	2149.5	2369.9	*2371.3*	2325.4
25°	1246.6	1254.8	1249.3	1263.0	1293.8	1432.1	1752.5	2226.8	2550.6	*2565.7*	2513.7
27.5°	1373.9	1374.6	1361.6	1360.9	1365.7	1460.8	1768.2	2309.7	2778.6	*2806.7*	2742.3
30°	1629.2	1619.0	1569.0	1514.9	1490.3	1547.1	1812.0	2407.6	3047.6	*3097.6*	3016.8
32.5°	2022.9	2007.8	1916.1	1786.7	1656.6	1686.1	1890.7	2519.2	3340.6	*3431.0*	3332.4
35°	2450.0	2445.9	2350.1	2157.7	1930.4	1883.9	2018.7	2665.6	3660.3	*3804.1*	3687.0
37.5°	2847.1	2845.0	2790.2	2563.6	2287.1	2159.8	2224.1	2857.3	4002.6	*4210.7*	4072.4
40°	3209.9	3216.0	3161.3	2958.6	2680.0	2513.7	2503.4	3094.2	4383.2	*4653.6*	4489.3
42.5°	3523.4	3530.2	3474.8	3324.9	3068.2	2905.2	2846.4	3384.4	4754.9	*5129.3*	4934.9
45°	3736.3	3778.7	3770.5	3650.7	3466.6	3297.5	3258.5	3748.6	5178.6	*5633.9*	5405.9
47.5°	3796.5	3835.5	3897.2	3913.6	3801.3	3635.0	3681.5	4187.4	5607.2	*6139.1*	5879.6
50°	3648.0	3684.3	3812.3	3982.7	4060.8	4009.4	4092.9	4657.7	6046.0	*6642.9*	6344.4
52.5°	3355.0	3392.0	3553.5	3823.2	4141.5	4303.1	4505.7	5121.1	6471.1	*7120.0*	6784.6
55°	2931.3	2970.3	3177.7	3483.0	3987.5	4424.3	4850.0	5583.9	6860.6	*7549.2*	7181.6
57.5°	2354.9	2383.6	2599.2	3026.4	3600.1	4303.8	5104.0	6089.1	7227.5	*7970.9*	7575.3
60°	1534.8	1560.1	1810.6	2287.1	2957.9	3901.3	5154.7	6652.5	7714.9	*8519.2*	8105.8
62.5°	1020.7	1037.8	1186.3	1536.1	2083.1	3128.4	4858.3	7102.2	8429.6	*9473.5*	9015.5
65°	700.3	717.4	866.0	1109.7	1345.8	2069.4	4006.0	7042.7	9077.2	*10231.3*	9689.8
67.5°	*499.7*	*514.1*	*640.1*	*870.1*	*974.1*	*1202.1*	*2715.6*	*6281.4*	*8984.1*	*10260.1*	*9726.1*
70°	358.0	366.2	470.3	677.7	774.2	722.2	1510.1	4804.2	7866.2	*9474.2*	8985.4
72.5°	250.5	253.3	326.5	516.2	623.6	527.1	718.8	3203.0	5949.4	*7436.3*	6966.0
75°	169.8	173.2	219.7	378.6	500.4	402.5	380.6	1717.5	3492.6	*4116.2*	3689.7
77.5°	104.1	105.4	141.7	258.8	374.4	306.7	245.1	727.7	1351.3	*1326.7*	1130.9
80°	58.9	58.9	90.4	160.9	255.3	197.8	171.8	309.4	427.8	*375.8*	331.3
82.5°	32.9	33.5	65.7	99.9	169.1	117.1	94.5	143.1	184.8	*163.6*	142.4
85°	13.7	15.1	40.4	47.2	80.8	58.2	38.3	60.2	68.5	*60.9*	44.5
87.5°	1.4	2.1	12.3	8.9	9.6	11.6	5.5	11.6	9.6	*9.6*	6.8
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°	1575.2	1575.2	1575.2	1575.2	1575.2	1575.2	1575.2	1575.2	1575.2	1575.2	1575.2
2.5°	1585.4	1575.2	1549.1	1519.0	1479.3	1460.1	1434.1	1416.3	1401.3	1402.6	1389.0
5°	1616.2	1590.2	1532.0	1459.5	1369.1	1304.8	1236.3	1189.1	1150.7	1142.5	1124.0
7.5°	1658.7	1617.6	1515.6	1384.8	1232.2	1116.5	1013.1	946.7	899.5	884.4	869.4
10°	1713.4	1653.9	1494.4	1291.1	1071.3	924.1	813.2	761.2	729.0	718.1	709.9
12.5°	1777.1	1695.6	1466.3	1176.7	905.7	764.0	693.5	667.4	657.2	653.7	651.7
15°	1857.2	1747.7	1423.9	1041.2	765.3	666.1	635.9	632.5	633.9	632.5	631.8
17.5°	1952.3	1804.5	1354.7	901.6	670.9	616.1	605.1	607.9	611.3	610.6	609.3
20°	2056.4	1860.6	1266.4	777.7	606.5	580.5	574.3	577.1	579.8	578.4	577.8
22.5°	2174.8	1920.9	1168.5	681.1	563.4	547.6	540.8	541.5	541.5	538.7	537.4
25°	2316.5	1987.3	1065.8	612.7	530.5	518.2	510.0	507.3	503.1	494.9	493.6
27.5°	2485.6	2057.8	967.3	564.8	504.5	492.9	483.3	476.4	466.2	452.5	451.1
30°	2675.9	2143.3	883.8	534.6	484.0	472.3	461.4	451.1	436.1	418.9	417.6
32.5°	2899.8	2235.1	822.8	514.8	465.5	453.2	440.2	427.8	411.4	394.3	395.0
35°	3166.7	2346.0	787.2	501.1	451.1	434.7	420.3	406.6	394.3	379.2	377.9
37.5°	3456.3	2463.7	776.3	494.2	441.5	416.2	399.8	390.2	388.8	379.9	379.2
40°	3773.2	2603.4	784.5	490.1	431.3	398.4	380.6	378.6	382.0	366.2	366.9
42.5°	4108.7	2769.0	798.2	485.3	416.9	380.6	363.5	363.5	360.8	338.9	338.9
45°	4471.5	2960.0	811.9	473.7	399.8	362.8	349.8	345.0	333.4	312.2	311.5
47.5°	4837.0	3154.4	822.1	452.5	379.2	347.8	336.1	325.2	308.0	288.9	288.2
50°	5184.1	3329.0	811.2	421.0	356.0	333.4	321.1	306.0	287.5	274.5	272.5
52.5°	5494.2	3480.3	764.6	384.0	331.3	318.3	307.4	291.6	276.6	262.9	261.5
55°	5763.9	3602.8	682.5	349.1	309.4	305.3	294.4	274.5	254.0	242.3	241.0
57.5°	6022.7	3695.9	579.8	320.4	289.6	290.9	274.5	256.7	237.5	225.2	223.8
60°	6367.0	3820.5	475.8	293.7	268.3	272.5	254.7	241.6	217.7	201.9	199.9
62.5°	6917.4	4014.2	377.9	260.8	243.7	245.1	237.5	221.8	193.0	174.6	173.2
65°	7354.1	3943.0	297.8	225.2	215.6	217.7	217.7	200.6	169.8	148.5	146.5
67.5°	*7304.9*	*3376.2*	*237.5*	*190.3*	*188.9*	*190.3*	*195.1*	*180.7*	*150.6*	*133.5*	*130.7*
70°	6729.1	2685.5	190.3	158.1	164.3	160.9	174.6	165.0	135.5	118.4	116.4
72.5°	5490.8	1934.5	145.1	130.7	126.0	131.4	157.4	148.5	113.0	93.8	91.7
75°	3208.5	1032.3	108.2	103.4	91.0	109.5	139.6	126.6	86.3	69.1	67.1
77.5°	1044.6	360.1	79.4	76.0	67.8	88.3	119.1	106.8	70.5	54.8	52.7
80°	280.0	108.8	54.1	50.0	43.8	65.7	94.5	84.9	50.7	35.6	34.9
82.5°	112.3	45.9	31.5	28.1	24.0	45.2	74.6	68.5	37.7	22.6	22.6
85°	36.3	15.1	11.6	8.9	11.0	28.1	44.5	46.5	26.7	11.6	8.9
87.5°	4.8	2.1	2.1	2.7	2.1	4.8	13.7	13.0	7.5	1.4	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


HS
SS

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(END OF REPORT)