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: P1197939

Luminaire Tested: GPC-SB1B-827-U-T2R-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1197939
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB1B-827-U-T2R-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4168 lumens
Efficiency:	N/A
Efficacy:	104.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B0 - 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

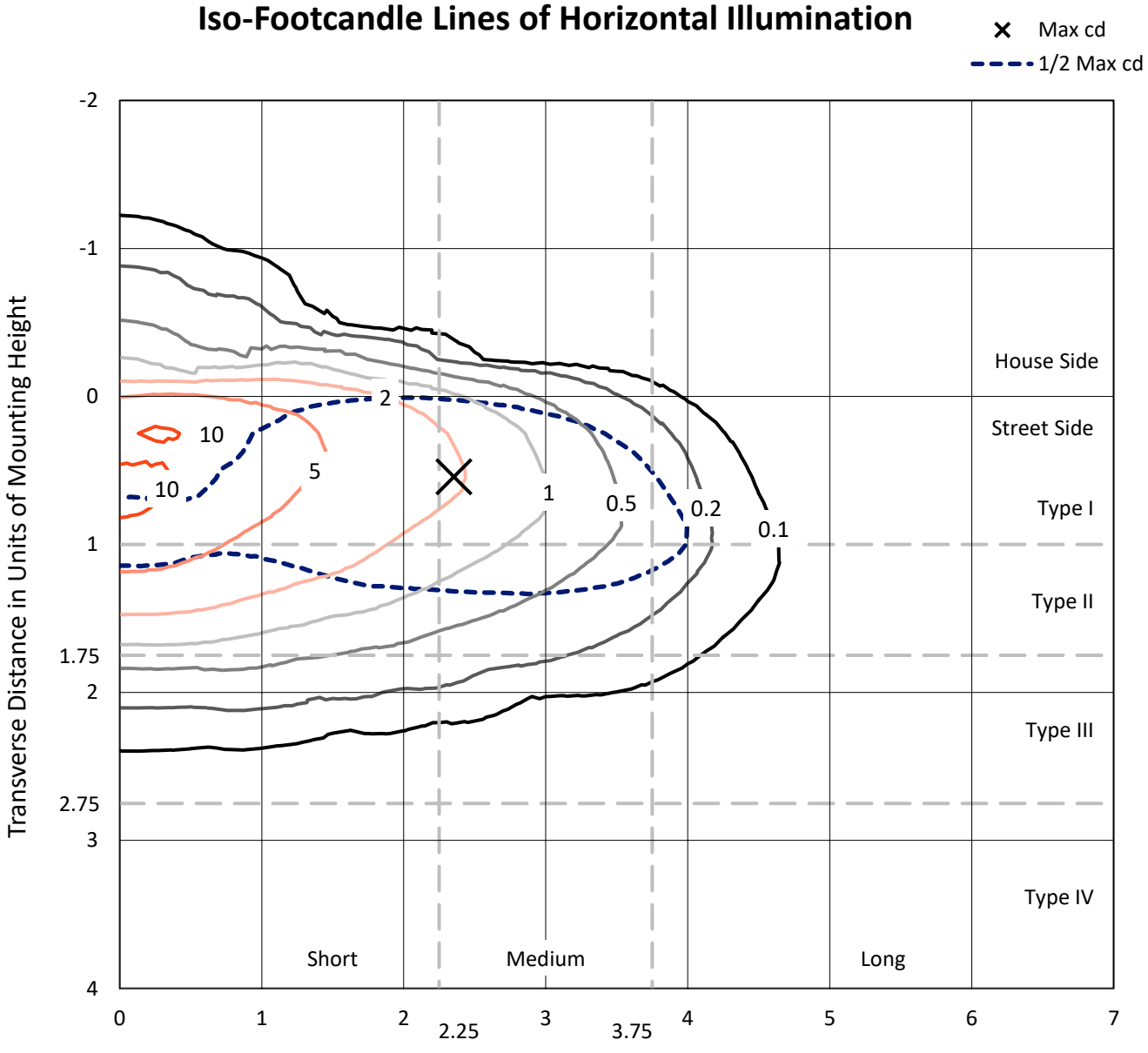


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Iso-Footcandle Lines of Horizontal Illumination



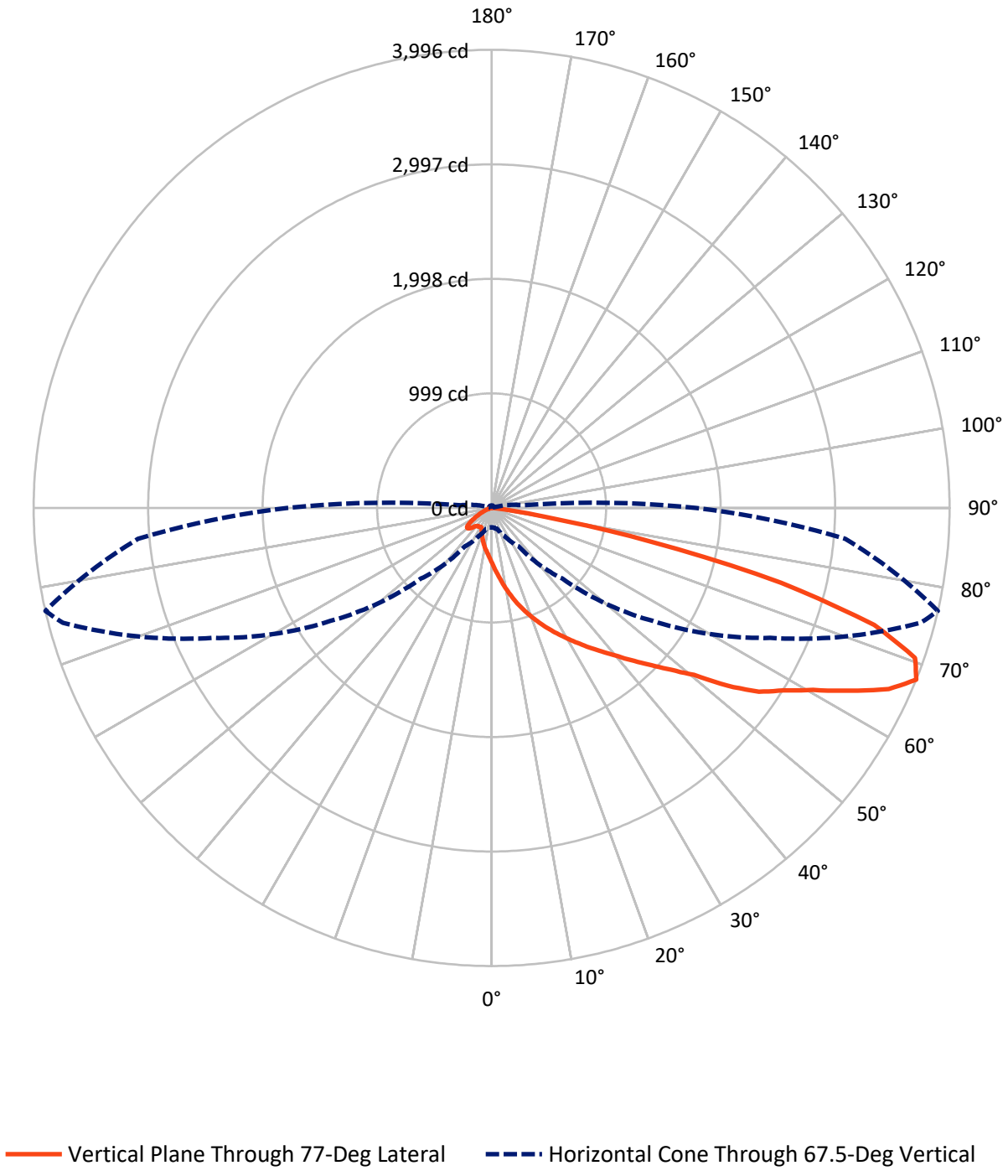
Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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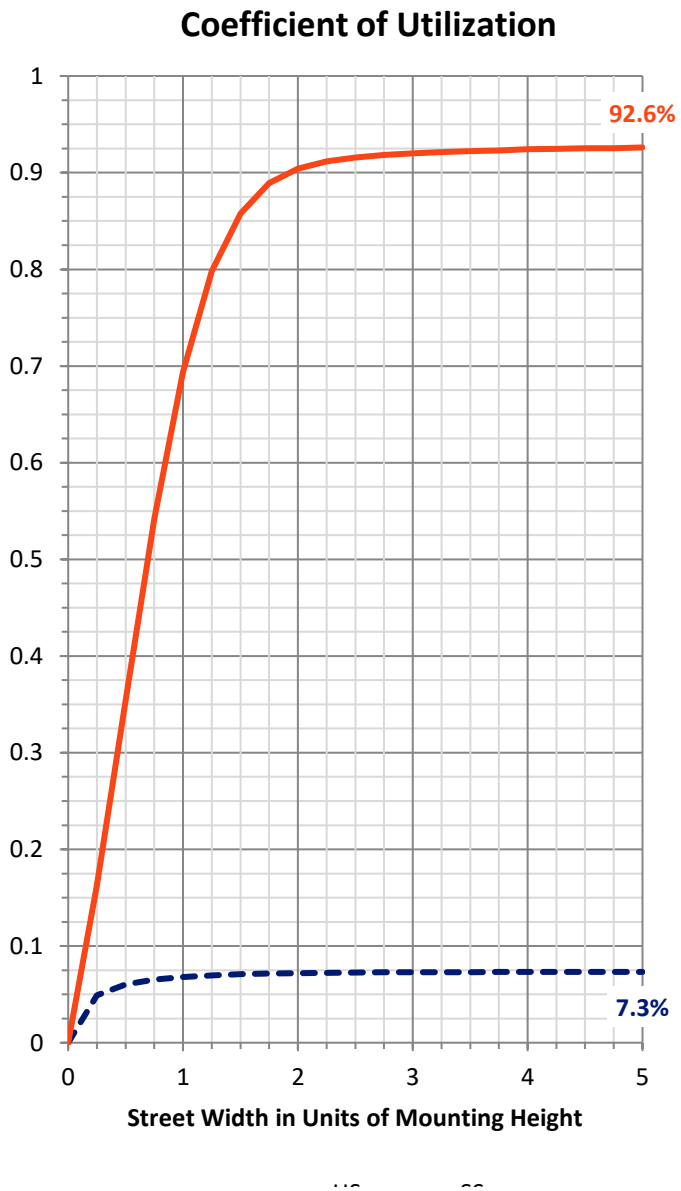
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	306.6	0.0	306.6
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	3861.4	0.0	3861.4
	% Fixture	92.6	0.0	92.6
Total	Lumens	4168.0	0.0	4168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	1.2
10°-20°	171.8	4.1
20°-30°	331.5	8.0
30°-40°	575.5	13.8
40°-50°	835.6	20.0
50°-60°	959.6	23.0
60°-70°	833.1	20.0
70°-80°	392.4	9.4
80°-90°	19.4	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°	4168.0	100.0
0°-180°	4168.0	100.0



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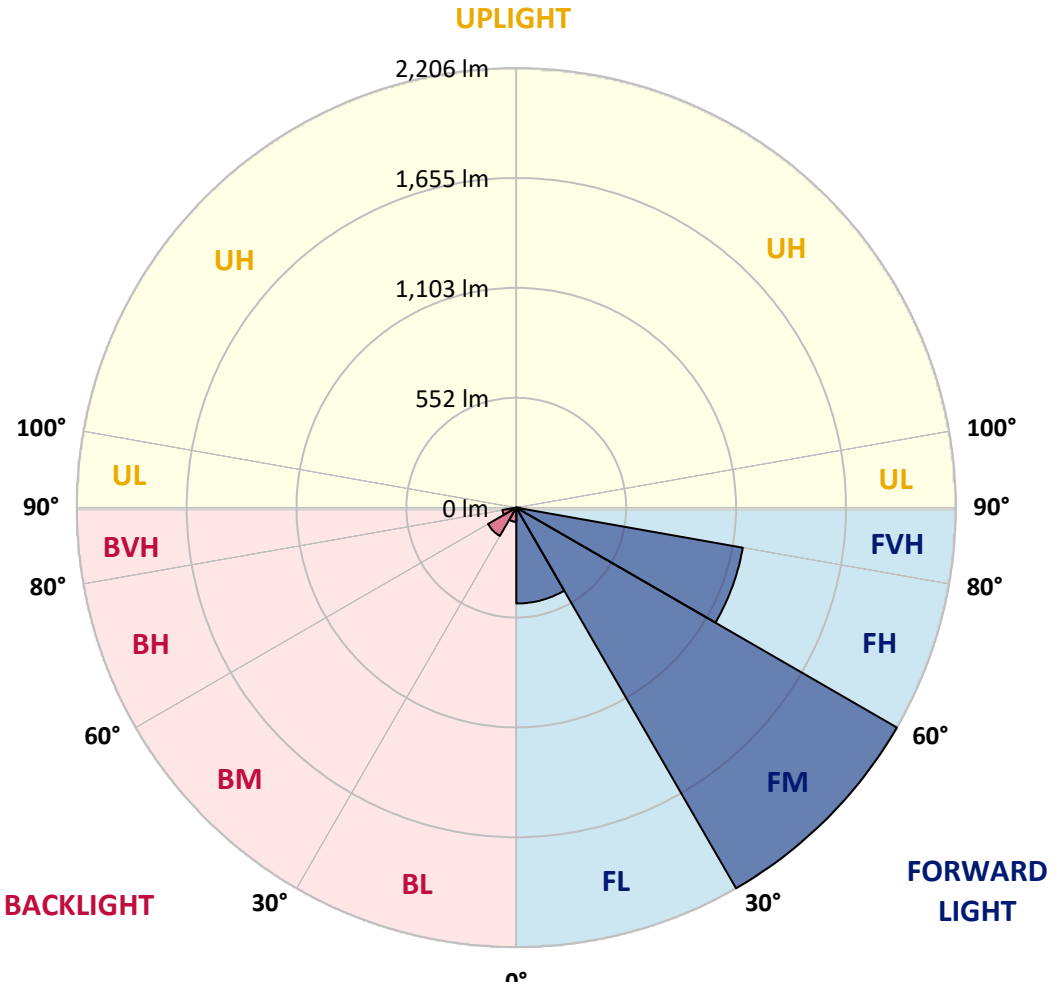
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	481.4	11.5			
FM	(30°-60°)	2206.4	52.9			
FH	(60°-80°)	1154.5	27.7			G1/1800
FVH	(80°-90°)	19.1	0.5			G1/100
BL	(0°-30°)	71.0	1.7	B0/110		
BM	(30°-60°)	164.3	3.9	B0/220		
BH	(60°-80°)	71.0	1.7	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	*480.6*	480.6
2.5°	665.4	669.6	663.6	652.2	635.1	624.0	596.8	571.2	542.7	*533.7*	505.2
5°	811.1	814.8	808.0	795.6	772.8	751.1	715.4	661.8	606.2	*588.3*	537.8
7.5°	919.1	921.1	918.6	907.2	885.4	860.8	821.0	757.6	675.0	*655.3*	577.9
10°	996.7	1003.5	1002.7	998.3	983.8	963.9	921.4	849.2	752.1	*726.8*	623.2
12.5°	1048.2	1055.7	1060.1	1070.0	1069.2	1056.5	1019.2	942.9	829.0	*799.2*	674.2
15°	1063.2	1071.3	1088.1	1110.9	1131.1	1137.5	1111.4	1034.8	913.6	*875.6*	726.5
17.5°	1054.7	1067.1	1087.3	1123.3	1167.5	1196.8	1193.9	1123.5	990.5	*947.0*	777.8
20°	1073.6	1085.5	1101.3	1131.6	1183.1	1236.1	1257.4	1208.4	1066.9	*1021.3*	831.6
22.5°	1178.2	1176.1	1177.6	1182.6	1213.4	1265.9	1309.6	1285.6	1142.4	*1095.9*	888.5
25°	1343.8	1334.5	1318.7	1292.0	1284.3	1309.6	1355.2	1353.9	1222.2	*1172.2*	946.8
27.5°	1533.8	1532.2	1495.2	1431.0	1394.8	1385.0	1406.7	1420.4	1301.1	*1247.8*	1005.3
30°	1715.7	1719.9	1669.9	1598.5	1532.0	1493.4	1473.7	1483.6	1381.3	*1329.3*	1065.6
32.5°	1874.1	1878.5	1824.2	1740.6	1658.3	1611.7	1570.3	1545.9	1468.8	*1412.1*	1131.8
35°	2007.9	2012.3	1950.0	1857.6	1769.8	1727.6	1680.8	1614.3	1556.8	*1504.0*	1205.6
37.5°	2127.5	2126.2	2042.6	1949.4	1863.3	1829.9	1805.3	1698.4	1647.4	*1596.4*	1287.4
40°	2198.2	2203.6	2132.2	2029.4	1945.8	1921.5	1919.9	1802.7	1752.0	*1702.5*	1376.9
42.5°	2218.9	2228.5	2176.7	2092.3	2016.5	1990.1	2030.7	1915.5	1873.6	*1825.5*	1478.1
45°	2181.6	2190.9	2167.4	2108.9	2064.6	2047.5	2126.0	2032.5	2003.5	*1955.9*	1592.3
47.5°	2072.9	2084.5	2090.2	2077.8	2077.3	2094.6	2211.4	2155.7	2157.8	*2109.1*	1724.5
50°	1862.5	1882.2	1934.4	1978.4	2046.5	2131.9	2294.5	2289.3	2331.7	*2289.8*	1896.9
52.5°	1479.9	1507.9	1688.0	1808.4	1961.3	2124.9	2385.8	2503.6	2636.9	*2575.5*	2139.9
55°	1189.3	1189.3	1335.8	1561.0	1795.2	2078.9	2425.7	2642.8	2844.7	*2830.2*	2311.0
57.5°	969.5	981.2	1074.6	1273.7	1554.7	1969.1	2450.3	2730.3	3012.2	*3001.6*	2478.2
60°	598.4	623.5	800.0	996.5	1281.2	1773.7	2434.7	2818.8	3215.3	*3223.9*	2679.6
62.5°	337.0	346.3	425.0	716.9	996.2	1511.0	2315.9	2868.3	3475.2	*3511.4*	2887.2
65°	232.7	237.3	267.6	446.2	690.5	1203.0	2083.8	2837.5	3735.6	*3808.8*	3063.2
67.5°	*169.0*	*171.3*	*190.2*	*272.5*	*409.7*	*872.2*	*1719.9*	*2682.2*	*3873.5*	*3995.9*	*3096.8*
70°	129.9	131.5	145.2	179.1	242.0	538.3	1249.1	2373.4	3773.6	*3919.9*	2924.4
72.5°	105.6	107.2	117.8	132.5	160.5	318.4	757.1	1927.4	3332.6	*3490.5*	2489.6
75°	89.0	91.1	100.7	110.3	125.8	204.5	355.1	1342.2	2506.2	*2609.7*	1731.3
77.5°	49.4	45.6	81.8	91.4	106.1	129.4	166.2	789.9	1403.6	*1432.3*	768.2
80°	30.8	31.8	65.0	73.5	81.5	65.2	76.1	304.1	486.6	*462.3*	148.8
82.5°	1.8	4.1	50.0	53.1	55.9	28.0	28.7	103.3	117.2	*107.7*	26.4
85°	0.0	0.0	22.8	18.4	19.4	8.0	8.3	24.1	15.8	*17.1*	5.2
87.5°	0.0	0.0	0.0	0.5	0.0	0.8	1.6	2.1	0.8	*1.0*	1.8
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°	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6
2.5°	487.1	469.0	432.2	396.3	367.0	339.8	320.4	302.0	292.7	292.2	291.7
5°	501.9	463.8	390.3	325.3	273.1	231.1	204.0	184.5	174.7	171.3	170.8
7.5°	522.6	465.4	353.6	263.2	201.6	165.6	150.1	143.9	141.8	139.5	139.0
10°	548.7	469.0	320.7	212.0	158.9	140.8	134.6	132.0	130.4	128.9	128.4
12.5°	577.9	472.3	288.1	176.0	139.8	130.4	126.0	122.9	120.9	119.1	118.5
15°	606.4	474.4	254.2	150.9	129.9	122.4	117.8	114.4	111.6	109.5	109.2
17.5°	634.6	477.3	222.3	135.9	121.9	114.4	109.7	105.6	103.3	100.9	100.7
20°	665.9	476.7	192.3	125.3	113.9	106.4	101.5	97.6	95.2	92.7	92.4
22.5°	694.9	474.2	165.9	116.2	105.6	98.4	92.9	89.0	86.7	84.6	84.4
25°	728.3	472.1	143.9	107.9	97.8	90.6	84.6	81.0	78.4	76.6	76.4
27.5°	760.4	469.0	127.9	100.4	90.3	83.3	77.6	73.5	71.2	69.9	69.9
30°	792.0	468.2	121.9	93.2	83.6	76.6	70.9	67.0	65.2	64.7	64.4
32.5°	830.0	470.3	124.5	90.6	77.4	70.4	65.0	62.1	60.3	60.3	60.3
35°	870.7	469.8	128.4	92.9	73.2	64.2	60.0	58.2	56.4	56.4	56.4
37.5°	921.7	470.5	131.5	96.8	71.7	59.0	56.7	54.4	53.3	53.3	53.3
40°	997.8	496.2	129.9	100.2	71.2	55.4	50.7	50.0	49.2	49.2	49.2
42.5°	1090.9	551.8	132.0	100.4	70.9	52.8	46.6	48.1	46.3	46.1	45.8
45°	1192.9	612.6	145.2	95.0	70.7	51.5	44.5	46.3	43.5	43.5	43.5
47.5°	1294.1	672.9	158.7	87.2	69.9	51.2	42.7	41.7	40.9	41.2	41.2
50°	1433.6	722.1	163.8	76.6	68.1	50.7	39.3	39.6	39.1	39.6	39.6
52.5°	1585.5	732.5	157.6	64.7	62.9	49.2	37.0	38.0	37.8	38.3	38.3
55°	1680.3	721.3	130.2	53.8	54.9	43.0	34.7	36.8	36.8	36.8	36.8
57.5°	1778.1	674.0	92.4	43.7	45.6	35.2	32.6	35.5	35.2	34.9	34.9
60°	1848.5	597.4	60.8	36.0	36.2	29.0	30.3	33.4	33.1	31.8	31.8
62.5°	1901.0	512.7	39.1	30.5	27.7	26.1	27.7	30.3	29.2	26.4	25.9
65°	1895.1	395.5	30.0	26.1	22.8	22.8	24.1	26.4	23.3	18.6	18.1
67.5°	*1784.6*	*267.6*	*24.8*	*22.0*	*19.2*	*18.9*	*19.9*	*22.0*	*19.9*	*15.8*	*15.3*
70°	1587.1	175.0	19.9	17.1	15.3	14.0	16.0	18.9	16.8	12.7	12.2
72.5°	1288.2	106.6	15.0	12.4	11.1	9.1	12.7	15.5	13.5	9.3	8.8
75°	833.4	54.4	10.4	8.0	6.0	5.4	9.3	11.6	9.3	5.7	4.9
77.5°	318.9	22.8	5.7	3.6	3.1	2.6	5.2	7.0	3.9	1.3	1.0
80°	61.3	9.6	2.8	1.8	1.6	1.0	0.8	0.5	0.0	0.0	0.0
82.5°	10.6	3.1	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.0	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


HS
SS

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(END OF REPORT)