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: P1200320

Luminaire Tested: GPC-SB2C-827-U-T2R

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1200320
	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-SB2C-827-U-T2R
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II ROADWAY OPTIC
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13262 lumens
Efficiency:	N/A
Efficacy:	131.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - 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

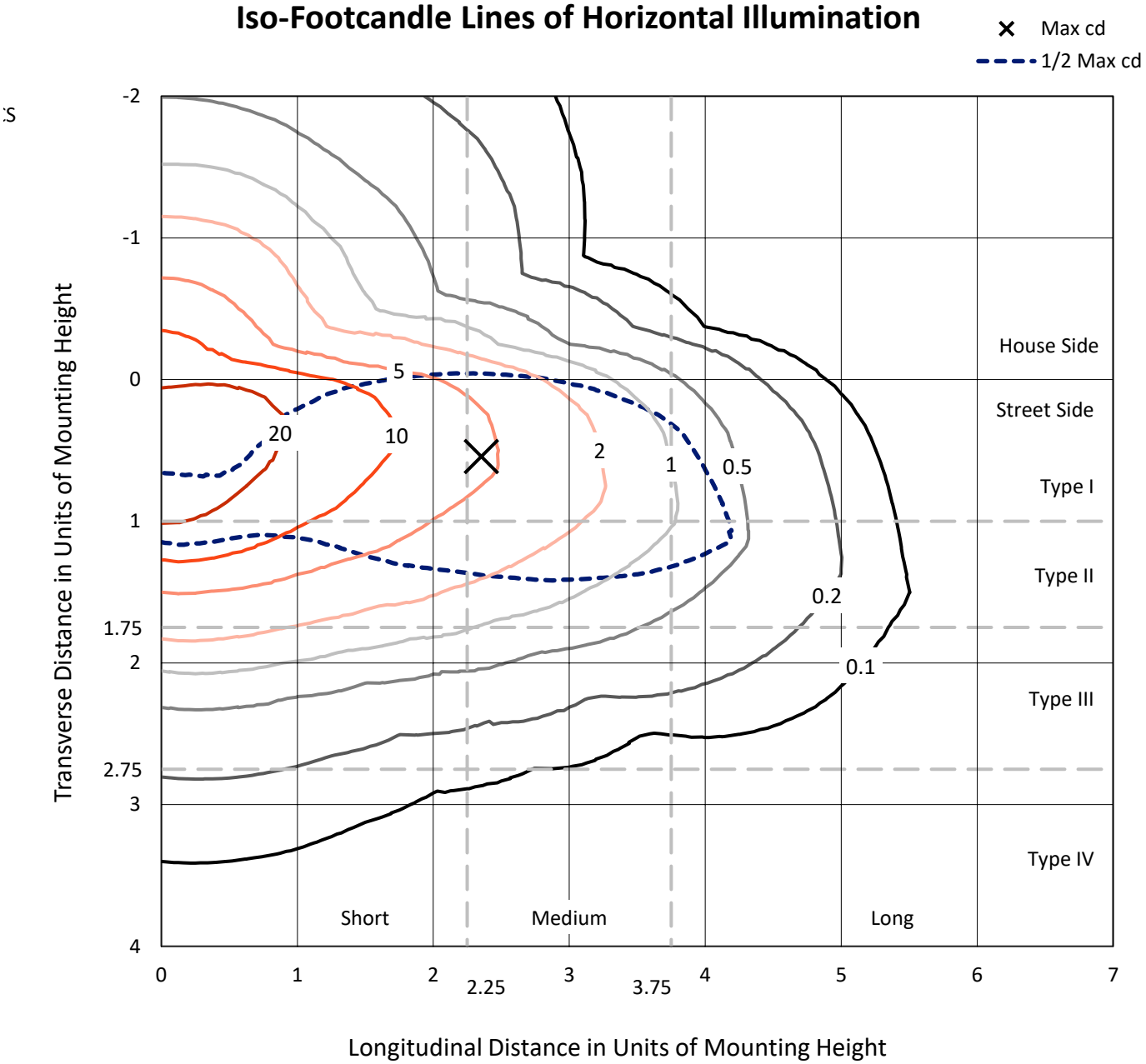


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Iso-Footcandle Lines of Horizontal Illumination



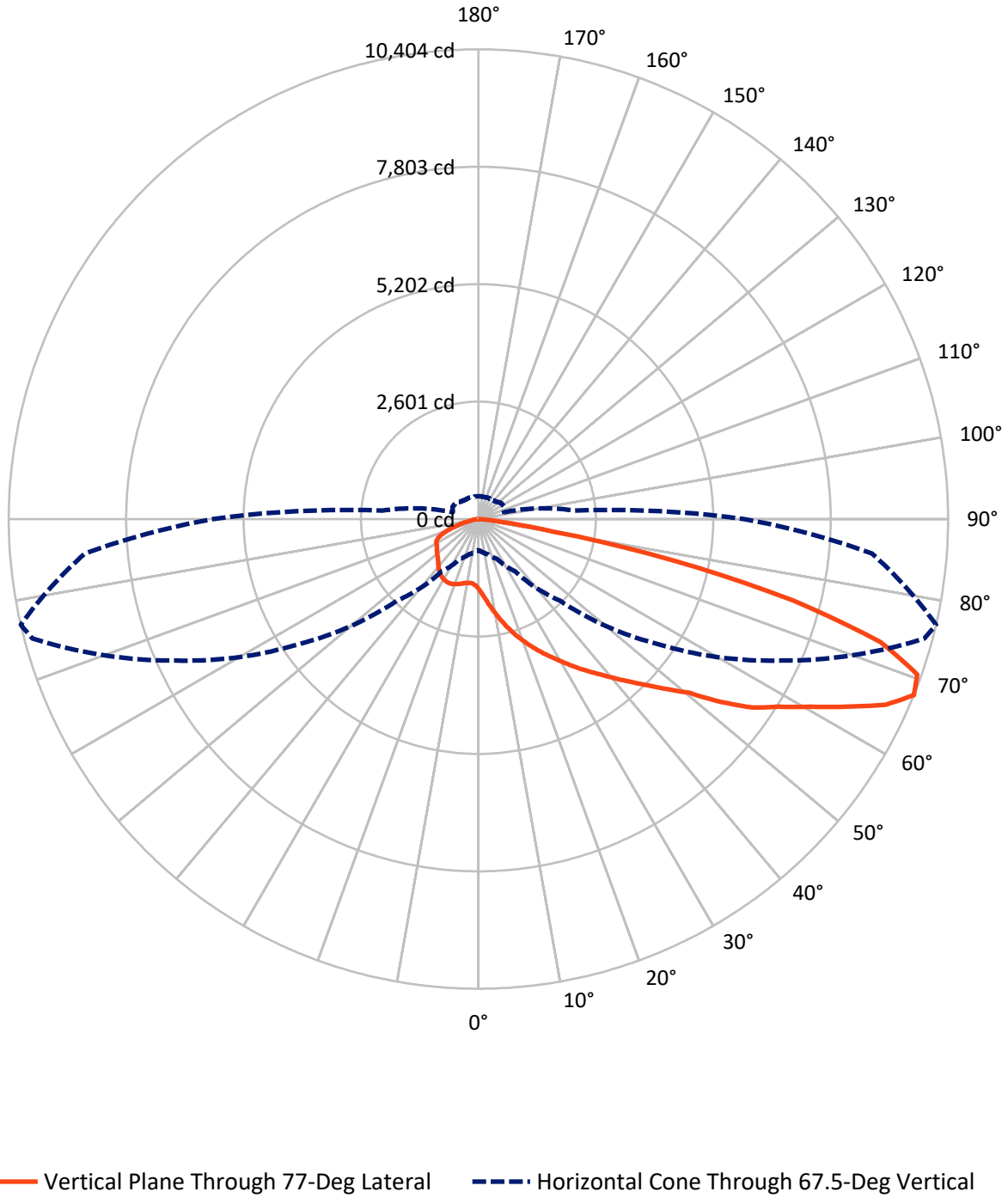
Based on 10 foot mounting height. Maximum calculated value = 30.4 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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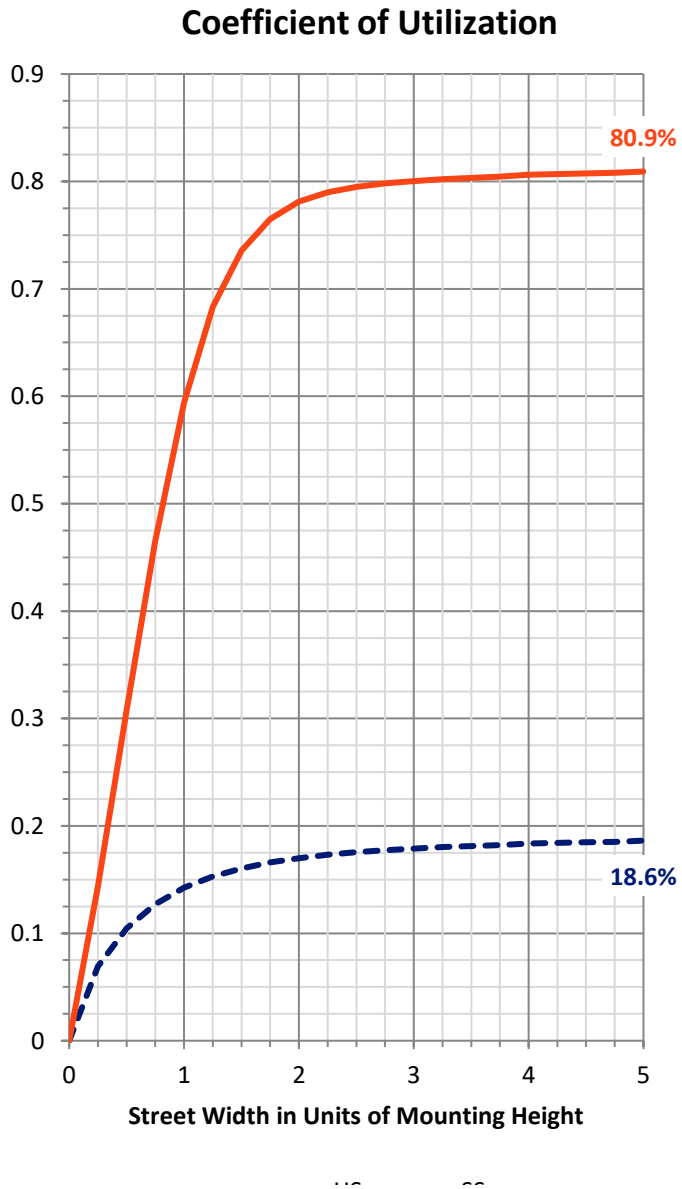
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2508.6	0.0	2508.6
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	10753.4	0.0	10753.4
	% Fixture	81.1	0.0	81.1
Total	Lumens	13262.0	0.0	13262.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.8	1.3
10°-20°	599.2	4.5
20°-30°	1131.3	8.5
30°-40°	1822.6	13.7
40°-50°	2493.0	18.8
50°-60°	2812.1	21.2
60°-70°	2624.7	19.8
70°-80°	1438.8	10.8
80°-90°	173.5	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°	13262.0	100.0
0°-180°	13262.0	100.0



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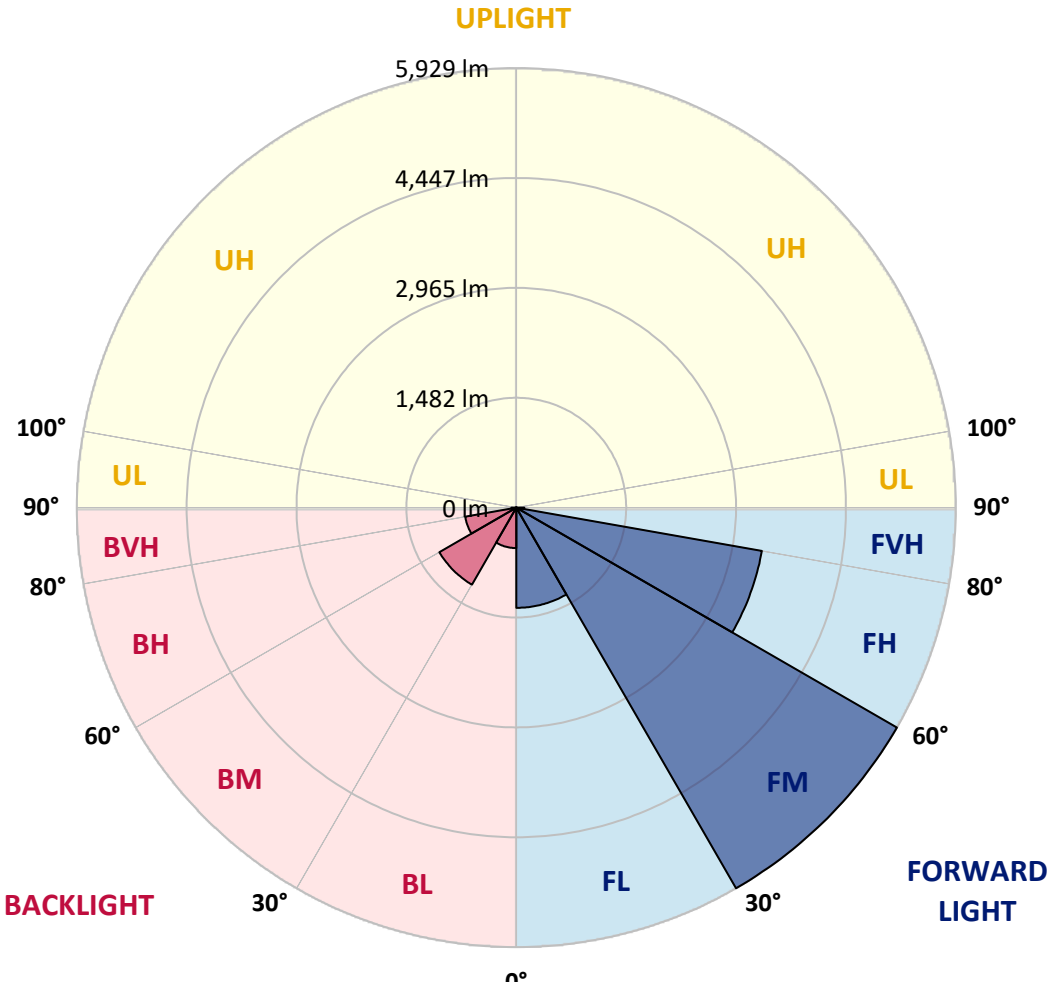
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1351.9	10.2			
FM	(30°-60°)	5929.3	44.7			
FH	(60°-80°)	3363.6	25.4			G2/5000
FVH	(80°-90°)	108.5	0.8			G2/225
BL	(0°-30°)	545.4	4.1	B2/1000		
BM	(30°-60°)	1198.3	9.0	B2/2500		
BH	(60°-80°)	699.9	5.3	B2/1000		G2/1000
BVH	(80°-90°)	65.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	*1556.0*	1556.0
2.5°	1948.3	1962.0	1944.9	1944.9	1887.4	1857.3	1799.8	1755.9	1677.2	*1663.5*	1611.5
5°	2302.9	2320.0	2296.1	2285.8	2218.0	2155.7	2059.2	1964.1	1823.7	*1809.3*	1686.8
7.5°	2577.4	2599.3	2578.1	2567.2	2506.9	2437.1	2324.1	2191.3	1993.5	*1965.4*	1788.1
10°	2801.3	2804.7	2797.9	2802.0	2754.7	2697.2	2581.5	2426.8	2179.7	*2141.4*	1910.7
12.5°	2927.9	2943.7	2957.4	2982.0	2973.8	2938.2	2834.2	2649.3	2376.9	*2327.6*	2044.1
15°	2987.5	3014.9	3045.7	3102.5	3148.4	3157.3	3077.9	2888.2	2577.4	*2517.9*	2179.0
17.5°	3008.7	3034.7	3083.3	3165.5	3264.1	3330.5	3294.9	3120.3	2776.0	*2707.5*	2320.7
20°	3116.2	3123.7	3153.2	3231.2	3338.0	3448.2	3474.9	3343.5	2972.4	*2895.1*	2467.2
22.5°	3346.2	3331.2	3339.4	3375.0	3451.6	3558.4	3619.4	3540.6	3174.4	*3085.4*	2615.1
25°	3726.2	3682.3	3638.5	3597.5	3636.5	3696.7	3765.9	3737.8	3385.9	*3273.0*	2764.3
27.5°	4206.0	4152.6	4056.1	3921.3	3874.0	3895.2	3926.1	3920.6	3581.7	*3467.4*	2918.4
30°	4678.4	4616.1	4501.1	4306.0	4181.4	4125.3	4102.0	4086.2	3794.6	*3672.8*	3073.8
32.5°	5055.6	5006.3	4893.4	4675.0	4494.3	4398.4	4321.1	4264.9	4017.1	*3895.2*	3238.1
35°	5385.6	5339.7	5210.3	4972.1	4775.6	4673.6	4572.3	4452.5	4248.5	*4125.3*	3414.7
37.5°	5686.8	5640.9	5463.6	5215.8	5018.0	4947.4	4857.1	4653.8	4480.6	*4364.2*	3601.6
40°	5877.1	5866.8	5701.2	5420.5	5215.1	5180.2	5150.1	4887.2	4738.0	*4629.8*	3806.9
42.5°	5925.7	5948.3	5816.9	5586.2	5390.4	5362.3	5432.8	5151.4	5026.9	*4923.5*	4039.7
45°	5808.6	5873.7	5787.4	5630.6	5515.0	5499.9	5683.4	5440.3	5346.6	*5252.1*	4320.4
47.5°	5512.2	5622.4	5586.8	5564.9	5548.5	5613.5	5903.8	5747.0	5708.7	*5626.5*	4640.8
50°	4913.9	5122.7	5185.0	5323.3	5482.1	5701.8	6104.4	6081.8	6131.8	*6048.9*	5031.0
52.5°	3879.5	4167.0	4528.5	4874.9	5278.1	5672.4	6324.8	6562.4	6773.2	*6728.0*	5651.2
55°	3202.5	3331.8	3609.8	4245.1	4882.4	5548.5	6424.1	6950.5	7409.9	*7369.5*	6121.5
57.5°	2682.2	2797.9	2969.0	3499.6	4284.1	5267.1	6485.7	7187.4	7845.9	*7841.8*	6585.6
60°	2124.2	2246.8	2422.0	2797.9	3585.1	4781.1	6472.0	7457.1	8402.5	*8436.7*	7151.8
62.5°	1494.4	1629.3	1823.7	2174.2	2871.1	4151.3	6192.7	7652.2	9057.6	*9150.7*	7832.9
65°	982.4	1071.4	1217.9	1520.4	2139.3	3341.4	5659.4	7677.5	9758.7	*9916.1*	8472.3
67.5°	*688.7*	*722.9*	*809.2*	*973.5*	*1410.2*	*2562.4*	*4809.8*	*7415.3*	*10226.2*	*10403.5*	*8749.6*
70°	537.4	554.5	598.3	664.0	885.8	1723.1	3685.8	6733.5	10126.3	*10311.1*	8460.0
72.5°	464.1	480.6	497.0	505.2	594.2	1063.8	2496.7	5630.0	9185.0	*9310.3*	7355.8
75°	421.0	425.1	438.8	436.1	453.2	690.1	1441.0	4102.0	7246.9	*7203.8*	5430.1
77.5°	353.9	359.4	382.0	378.6	402.5	471.7	748.2	2647.3	4698.3	*4405.3*	3022.4
80°	299.8	302.6	327.2	323.1	349.8	341.6	382.0	1349.3	1992.8	*1688.2*	871.5
82.5°	104.1	128.7	249.9	257.4	267.0	206.7	220.4	550.4	608.6	*466.2*	182.8
85°	50.7	54.1	127.3	180.7	180.0	104.1	107.5	196.5	191.7	*150.6*	60.9
87.5°	8.2	10.3	15.1	70.5	56.1	27.4	37.0	38.3	39.7	*34.2*	13.7
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°	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0	1556.0
2.5°	1573.2	1538.9	1467.0	1400.6	1348.6	1298.6	1270.6	1246.6	1232.9	1230.2	1230.2
5°	1615.6	1545.1	1414.3	1304.1	1232.2	1178.8	1150.8	1133.0	1124.1	1118.6	1117.9
7.5°	1676.5	1573.2	1387.0	1261.7	1186.4	1148.0	1133.7	1130.9	1130.2	1130.9	1133.0
10°	1760.7	1619.0	1384.2	1251.4	1188.4	1167.2	1166.5	1167.2	1169.9	1170.6	1171.3
12.5°	1851.8	1666.3	1395.2	1260.3	1214.4	1202.8	1200.7	1200.1	1202.1	1203.5	1204.2
15°	1951.0	1728.6	1413.7	1279.5	1243.2	1230.9	1228.8	1224.7	1224.0	1223.3	1222.7
17.5°	2053.0	1790.2	1434.2	1300.0	1261.7	1244.6	1237.0	1227.4	1219.9	1217.9	1219.9
20°	2156.4	1851.1	1448.6	1310.3	1263.0	1239.1	1224.0	1207.6	1194.6	1187.1	1189.8
22.5°	2266.6	1914.8	1457.5	1307.5	1250.7	1217.9	1190.5	1171.3	1151.5	1138.5	1139.1
25°	2374.1	1970.2	1456.8	1293.2	1226.8	1185.0	1150.1	1125.4	1098.1	1084.4	1084.4
27.5°	2477.5	2020.2	1439.7	1267.8	1192.5	1146.0	1104.2	1074.8	1048.1	1035.1	1034.4
30°	2584.3	2061.9	1413.0	1230.9	1152.1	1100.8	1054.9	1029.6	1005.6	993.3	992.6
32.5°	2690.4	2100.3	1375.3	1185.0	1105.6	1056.3	1011.1	987.8	973.5	973.5	974.2
35°	2802.7	2127.0	1325.3	1131.6	1056.3	1009.1	973.5	959.8	958.4	950.2	948.1
37.5°	2921.1	2144.1	1264.4	1076.8	1007.7	963.2	952.2	935.8	922.1	904.3	901.6
40°	3045.7	2161.2	1191.2	1020.0	956.4	931.7	926.9	905.0	866.0	822.2	816.0
42.5°	3197.0	2172.8	1115.2	963.2	902.3	894.1	900.9	863.3	801.0	768.1	768.8
45°	3372.2	2192.0	1045.3	907.1	846.8	846.8	875.6	826.3	774.9	754.4	757.8
47.5°	3599.5	2236.5	980.3	845.5	795.5	809.2	819.4	781.8	753.0	727.7	727.0
50°	3928.1	2343.3	913.2	783.2	756.5	783.8	769.5	747.6	714.0	693.5	691.4
52.5°	4336.1	2406.3	853.7	727.0	722.9	750.3	729.8	709.2	683.9	656.5	651.0
55°	4614.1	2417.9	803.7	685.9	700.3	697.6	690.1	671.6	657.9	621.6	622.3
57.5°	4924.9	2441.2	762.6	661.3	685.9	655.8	653.1	637.3	619.5	594.9	586.7
60°	5296.6	2477.5	727.0	651.7	673.6	628.4	614.8	608.6	590.8	578.5	581.9
62.5°	5701.8	2510.3	690.7	653.1	659.2	601.7	581.2	579.2	568.2	564.1	564.1
65°	5978.4	2420.7	645.6	651.7	636.7	574.4	548.3	547.7	538.8	537.4	536.7
67.5°	*5881.9*	*2136.6*	*584.6*	*632.5*	*613.4*	*547.0*	*518.2*	*515.5*	*503.8*	*504.5*	*504.5*
70°	5398.6	1731.3	500.4	585.3	584.6	522.3	486.7	477.8	462.1	464.8	467.6
72.5°	4492.2	1282.9	387.5	506.6	538.8	499.7	450.5	436.1	416.2	419.0	418.3
75°	3244.2	872.2	282.0	385.4	468.9	473.0	414.9	390.2	366.2	370.4	371.7
77.5°	1660.1	494.3	207.4	265.6	368.3	429.9	382.7	349.8	344.3	382.7	377.2
80°	541.5	247.8	143.8	186.2	241.7	351.9	335.4	297.8	296.4	305.3	262.2
82.5°	161.6	104.7	92.4	122.5	133.5	269.7	289.6	225.2	193.7	204.0	210.8
85°	55.5	50.7	52.7	60.9	63.7	158.1	202.6	149.2	141.0	155.4	153.3
87.5°	13.0	17.8	15.1	13.7	13.7	38.3	78.7	62.3	86.3	57.5	55.5
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)