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: P1202348

Luminaire Tested: GWC-SB1D-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:	P1202348
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1D-827-U-T2-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6496 lumens
Efficiency:	N/A
Efficacy:	81.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G1

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

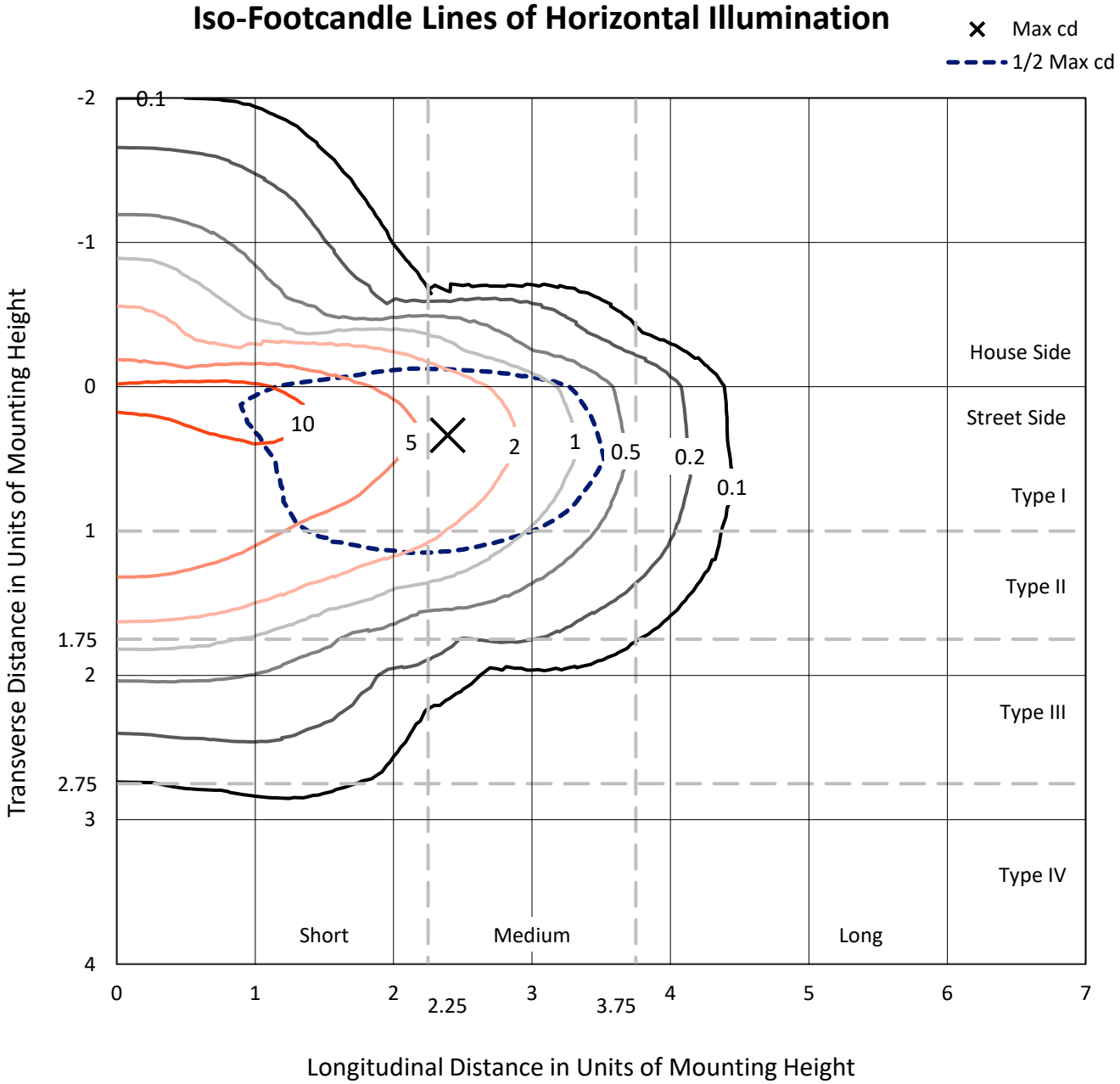


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Iso-Footcandle Lines of Horizontal Illumination



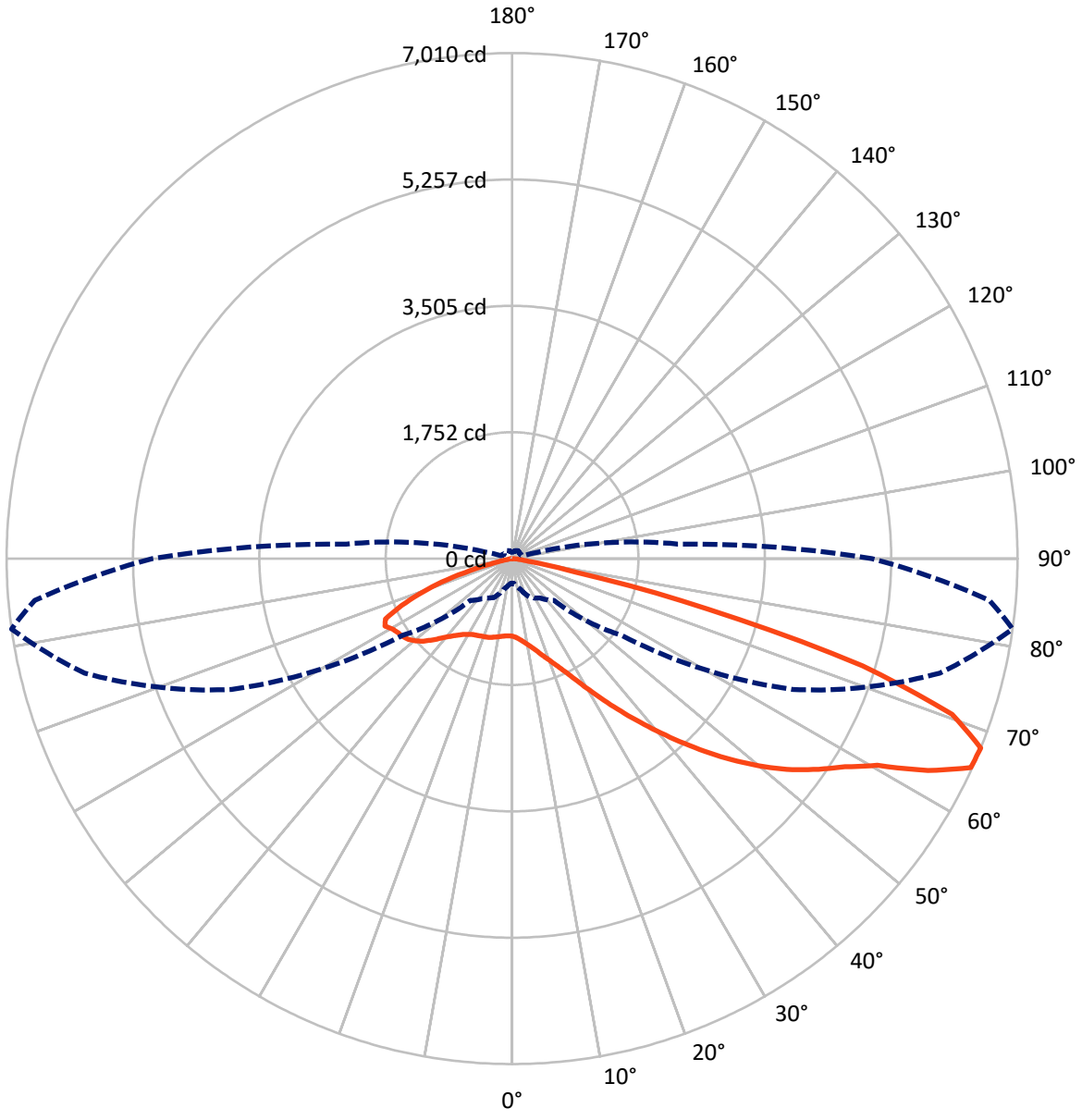
Based on 10 foot mounting height. Maximum calculated value = 14.2 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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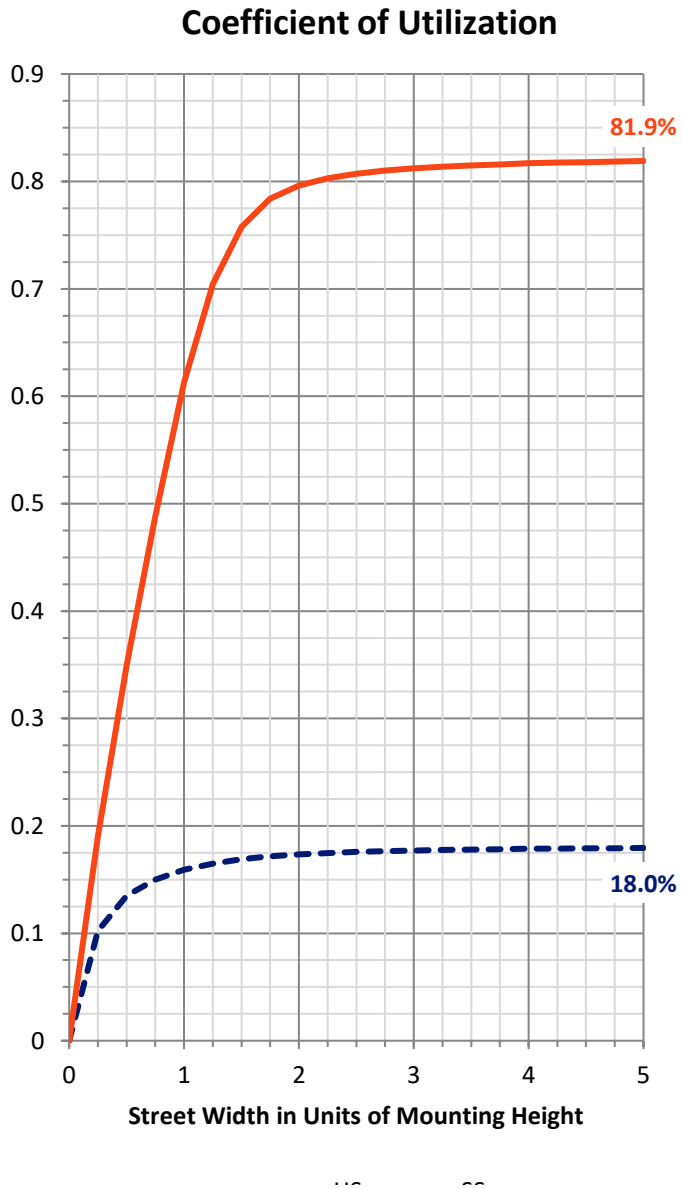
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1176.7	0.0	1176.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5319.3	0.0	5319.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	6496.0	0.0	6496.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	1.5
10°-20°	249.2	3.8
20°-30°	399.1	6.1
30°-40°	705.7	10.9
40°-50°	1236.4	19.0
50°-60°	1649.0	25.4
60°-70°	1535.1	23.6
70°-80°	589.2	9.1
80°-90°	36.6	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°	6496.0	100.0
0°-180°	6496.0	100.0



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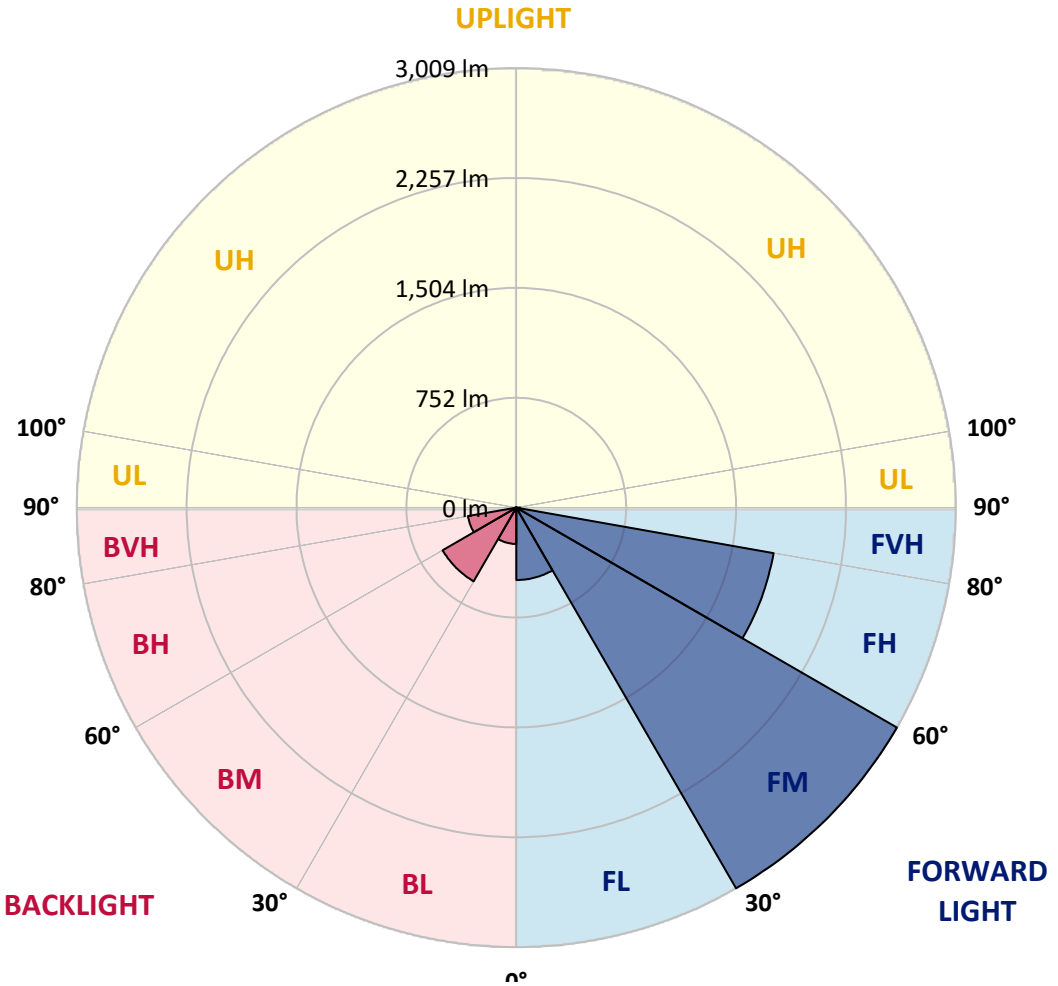
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	495.6	7.6			
FM	(30°-60°)	3008.7	46.3			
FH	(60°-80°)	1788.4	27.5			G1/1800
FVH	(80°-90°)	26.6	0.4			G1/100
BL	(0°-30°)	248.5	3.8	B1/500		
BM	(30°-60°)	582.3	9.0	B1/1000		
BH	(60°-80°)	335.8	5.2	B1/500		G1/500
BVH	(80°-90°)	10.0	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	*1076.2*	1076.2
2.5°	1137.4	1144.0	1140.2	1138.4	1135.1	1130.4	1126.7	1115.0	1102.8	*1094.9*	1092.1
5°	1160.4	1166.9	1166.4	1168.3	1170.6	1172.0	1171.1	1158.0	1140.7	*1127.1*	1119.2
7.5°	1140.7	1148.2	1154.3	1163.6	1180.0	1197.3	1205.7	1202.9	1185.1	*1166.4*	1156.6
10°	1085.1	1093.0	1107.5	1129.5	1164.1	1201.5	1232.8	1247.3	1236.1	*1215.5*	1202.0
12.5°	983.1	991.0	1019.6	1067.3	1125.3	1190.3	1250.2	1289.0	1291.8	*1271.2*	1255.3
15°	868.5	876.5	906.9	966.7	1055.1	1159.4	1259.5	1332.9	1357.7	*1339.9*	1320.8
17.5°	797.4	804.4	827.4	875.5	967.7	1097.7	1256.2	1379.7	1436.3	*1422.3*	1399.3
20°	775.9	782.0	792.7	826.4	903.1	1033.6	1234.7	1423.7	1520.9	*1513.0*	1487.3
22.5°	798.8	804.4	807.7	822.7	870.8	991.5	1207.6	1468.6	1619.2	*1620.1*	1588.8
25°	851.7	857.3	853.5	862.9	883.9	978.4	1197.3	1521.4	1742.6	*1752.9*	1717.4
27.5°	938.7	939.1	930.2	929.8	933.1	998.1	1208.1	1578.0	1898.4	*1917.6*	1873.6
30°	1113.1	1106.1	1072.0	1035.0	1018.2	1057.0	1238.0	1644.9	2082.2	*2116.3*	2061.1
32.5°	1382.0	1371.8	1309.1	1220.7	1131.8	1151.9	1291.8	1721.1	2282.4	*2344.1*	2276.7
35°	1673.9	1671.1	1605.6	1474.2	1318.9	1287.1	1379.2	1821.2	2500.8	*2599.0*	2519.0
37.5°	1945.1	1943.7	1906.3	1751.5	1562.6	1475.6	1519.5	1952.2	2734.6	*2876.8*	2782.3
40°	2193.0	2197.2	2159.8	2021.4	1831.0	1717.4	1710.4	2114.0	2994.7	*3179.4*	3067.1
42.5°	2407.2	2411.9	2374.0	2271.6	2096.2	1984.9	1944.7	2312.3	3248.6	*3504.4*	3371.6
45°	2552.7	2581.7	2576.1	2494.2	2368.4	2252.9	2226.2	2561.1	3538.1	*3849.1*	3693.4
47.5°	2593.8	2620.5	2662.6	2673.8	2597.1	2483.5	2515.3	2860.9	3830.9	*4194.3*	4017.0
50°	2492.3	2517.1	2604.6	2721.1	2774.4	2739.3	2796.4	3182.2	4130.7	*4538.5*	4334.6
52.5°	2292.2	2317.4	2427.8	2612.1	2829.6	2939.9	3078.4	3498.8	4421.1	*4864.5*	4635.3
55°	2002.7	2029.3	2171.0	2379.6	2724.3	3022.7	3313.6	3815.0	4687.2	*5157.7*	4906.6
57.5°	1608.9	1628.5	1775.8	2067.7	2459.6	2940.4	3487.1	4160.2	4937.9	*5445.8*	5175.5
60°	1048.6	1065.9	1237.1	1562.6	2020.9	2665.4	3521.7	4545.1	5270.9	*5820.5*	5538.0
62.5°	697.3	709.0	810.5	1049.5	1423.2	2137.4	3319.2	4852.3	5759.2	*6472.4*	6159.5
65°	478.5	490.1	591.6	758.1	919.5	1413.8	2737.0	4811.7	6201.6	*6990.2*	6620.2
67.5°	*341.4*	*351.2*	*437.3*	*594.4*	*665.5*	*821.3*	*1855.3*	*4291.6*	*6138.0*	*7009.8*	*6645.0*
70°	244.6	250.2	321.3	463.0	529.0	493.4	1031.7	3282.3	5374.3	*6472.9*	6139.0
72.5°	171.2	173.0	223.1	352.6	426.1	360.1	491.1	2188.3	4064.7	*5080.6*	4759.3
75°	116.0	118.3	150.1	258.6	341.9	275.0	260.0	1173.4	2386.2	*2812.3*	2520.9
77.5°	71.1	72.0	96.8	176.8	255.8	209.5	167.4	497.2	923.2	*906.4*	772.6
80°	40.2	40.2	61.7	109.9	174.5	135.2	117.4	211.4	292.3	*256.8*	226.4
82.5°	22.4	22.9	44.9	68.3	115.5	80.0	64.5	97.7	126.3	*111.8*	97.3
85°	9.4	10.3	27.6	32.3	55.2	39.8	26.2	41.2	46.8	*41.6*	30.4
87.5°	0.9	1.4	8.4	6.1	6.5	8.0	3.7	8.0	6.5	*6.5*	4.7
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°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1083.2	1076.2	1058.4	1037.8	1010.7	997.6	979.8	967.7	957.4	958.3	949.0
5°	1104.2	1086.5	1046.7	997.1	935.4	891.4	844.7	812.4	786.2	780.6	768.0
7.5°	1133.2	1105.2	1035.5	946.1	841.9	762.8	692.2	646.8	614.6	604.3	594.0
10°	1170.6	1130.0	1021.0	882.1	731.9	631.4	555.6	520.1	498.1	490.6	485.0
12.5°	1214.1	1158.5	1001.8	804.0	618.8	521.9	473.8	456.0	449.0	446.6	445.2
15°	1268.9	1194.0	972.8	711.4	522.9	455.1	434.5	432.2	433.1	432.2	431.7
17.5°	1333.9	1232.8	925.6	616.0	458.3	420.9	413.4	415.3	417.7	417.2	416.2
20°	1405.0	1271.2	865.2	531.3	414.4	396.6	392.4	394.3	396.1	395.2	394.7
22.5°	1485.9	1312.4	798.4	465.4	384.9	374.2	369.5	369.9	369.9	368.1	367.1
25°	1582.7	1357.7	728.2	418.6	362.5	354.0	348.4	346.6	343.8	338.1	337.2
27.5°	1698.2	1405.9	660.9	385.8	344.7	336.7	330.2	325.5	318.5	309.1	308.2
30°	1828.2	1464.4	603.8	365.3	330.7	322.7	315.2	308.2	297.9	286.2	285.3
32.5°	1981.2	1527.0	562.2	351.7	318.0	309.6	300.7	292.3	281.1	269.4	269.9
35°	2163.6	1602.8	537.8	342.4	308.2	297.0	287.2	277.8	269.4	259.1	258.2
37.5°	2361.4	1683.2	530.4	337.7	301.7	284.4	273.1	266.6	265.7	259.6	259.1
40°	2577.9	1778.6	536.0	334.9	294.6	272.2	260.0	258.6	261.0	250.2	250.7
42.5°	2807.1	1891.8	545.3	331.6	284.8	260.0	248.3	248.3	246.5	231.5	231.5
45°	3055.0	2022.3	554.7	323.6	273.1	247.9	239.0	235.7	227.8	213.3	212.8
47.5°	3304.7	2155.1	561.7	309.1	259.1	237.6	229.6	222.2	210.5	197.4	196.9
50°	3541.9	2274.4	554.2	287.6	243.2	227.8	219.3	209.1	196.4	187.5	186.1
52.5°	3753.7	2377.8	522.4	262.4	226.4	217.5	210.0	199.2	188.9	179.6	178.7
55°	3938.0	2461.5	466.3	238.5	211.4	208.6	201.1	187.5	173.5	165.6	164.6
57.5°	4114.8	2525.1	396.1	218.9	197.8	198.8	187.5	175.4	162.3	153.9	152.9
60°	4350.0	2610.2	325.0	200.6	183.3	186.1	174.0	165.1	148.7	138.0	136.6
62.5°	4726.1	2742.6	258.2	178.2	166.5	167.4	162.3	151.5	131.9	119.3	118.3
65°	5024.5	2693.9	203.4	153.9	147.3	148.7	148.7	137.0	116.0	101.5	100.1
67.5°	*4990.8*	*2306.7*	*162.3*	*130.0*	*129.1*	*130.0*	*133.3*	*123.5*	*102.9*	*91.2*	*89.3*
70°	4597.4	1834.8	130.0	108.0	112.2	109.9	119.3	112.7	92.6	80.9	79.5
72.5°	3751.4	1321.7	99.2	89.3	86.1	89.8	107.6	101.5	77.2	64.1	62.7
75°	2192.1	705.3	73.9	70.6	62.2	74.8	95.4	86.5	58.9	47.2	45.8
77.5°	713.7	246.0	54.3	51.9	46.3	60.3	81.4	73.0	48.2	37.4	36.0
80°	191.3	74.4	36.9	34.1	29.9	44.9	64.5	58.0	34.6	24.3	23.9
82.5°	76.7	31.3	21.5	19.2	16.4	30.9	51.0	46.8	25.7	15.4	15.4
85°	24.8	10.3	8.0	6.1	7.5	19.2	30.4	31.8	18.2	8.0	6.1
87.5°	3.3	1.4	1.4	1.9	1.4	3.3	9.4	8.9	5.1	0.9	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)