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: P1203097

Luminaire Tested: GWC-SB2B-827-U-T2

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203097
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-827-U-T2
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9701 lumens
Efficiency:	N/A
Efficacy:	131.3 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):	73.9
Input Voltage (V):	120.0
Input Current (Ain):	0.627
Voltage Rise (V):	NR
Power Factor:	0.988
Total Harmonic Distortion (THDi):	13.593
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

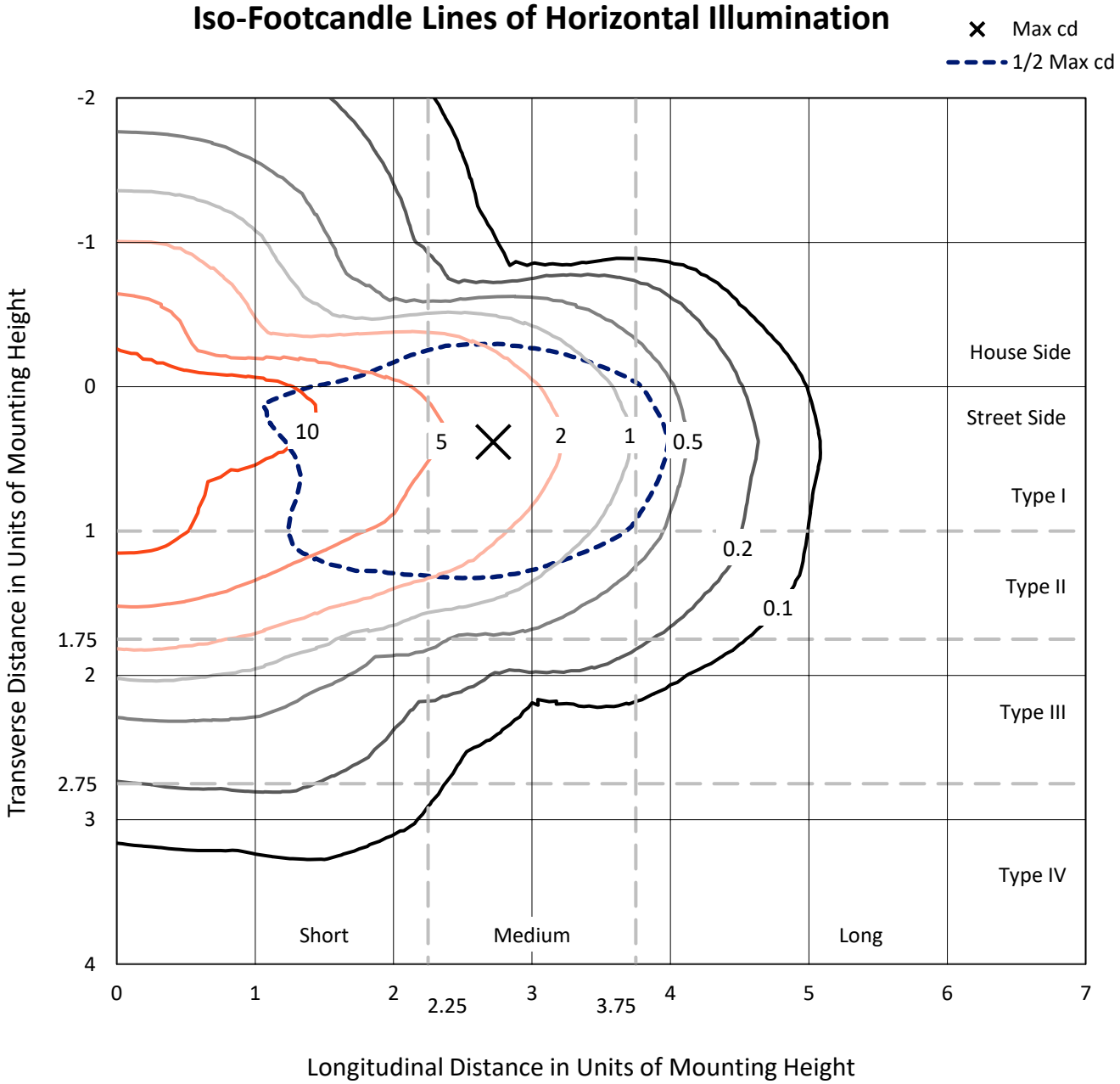


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Iso-Footcandle Lines of Horizontal Illumination



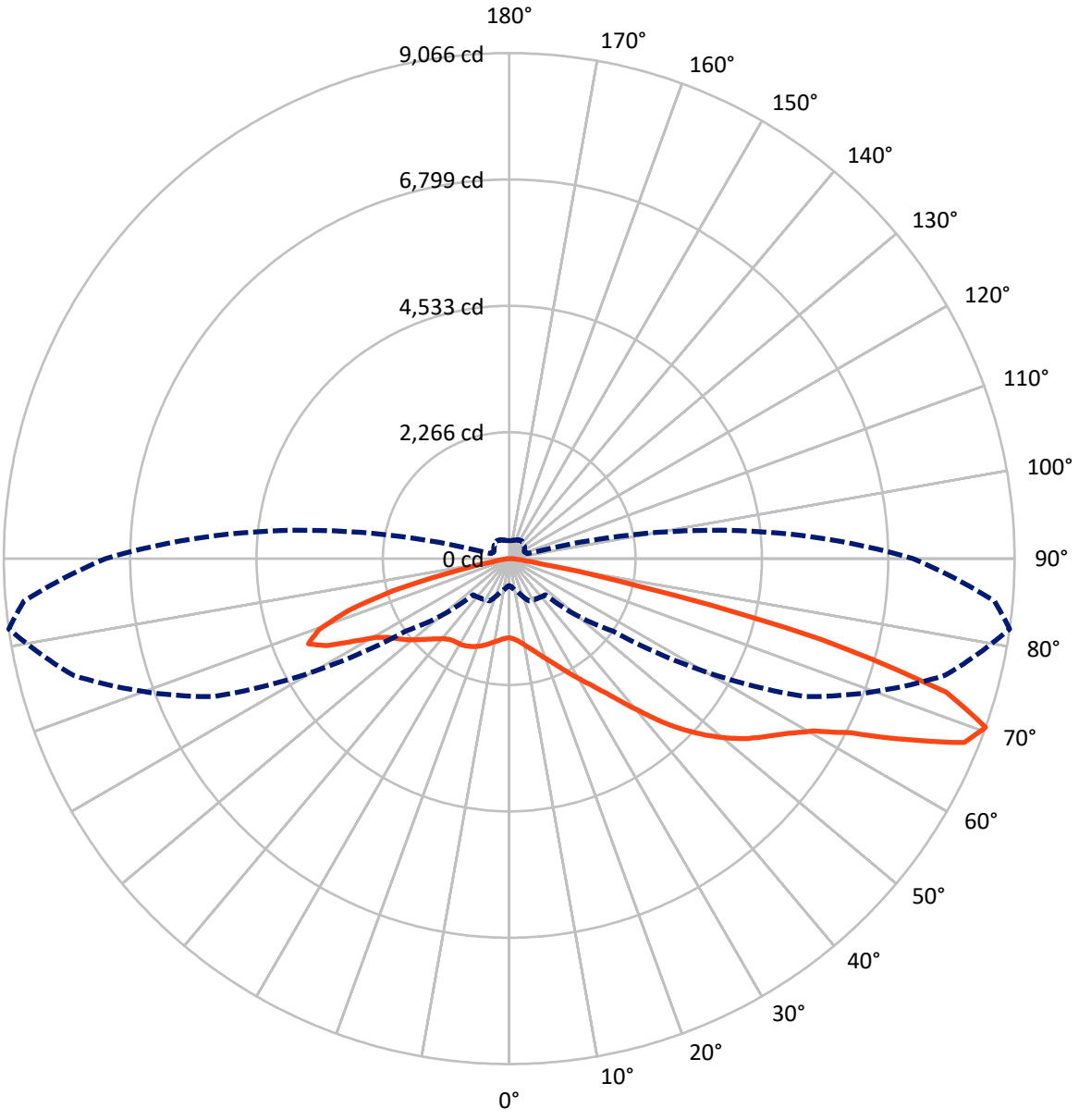
Based on 10 foot mounting height. Maximum calculated value = 16.2 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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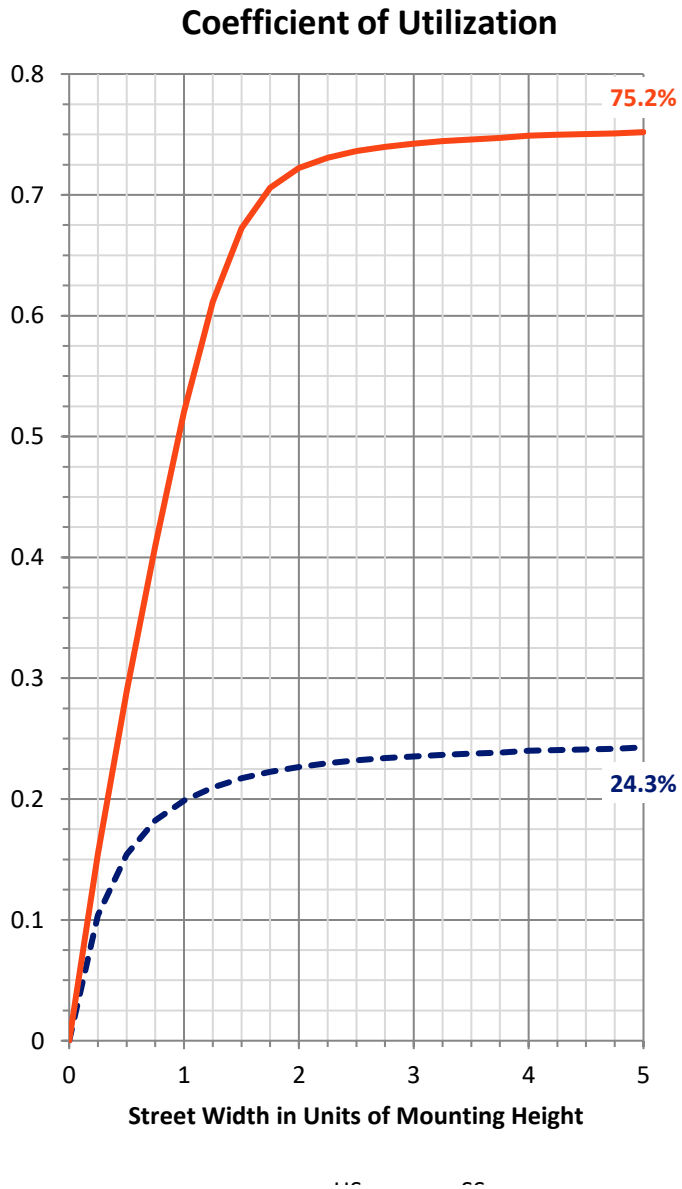
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2391.5	0.0	2391.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	7309.5	0.0	7309.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	9701.0	0.0	9701.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	1.4
10°-20°	385.8	4.0
20°-30°	645.4	6.7
30°-40°	1008.3	10.4
40°-50°	1605.9	16.6
50°-60°	2234.8	23.0
60°-70°	2337.7	24.1
70°-80°	1221.8	12.6
80°-90°	126.9	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°	9701.0	100.0
0°-180°	9701.0	100.0



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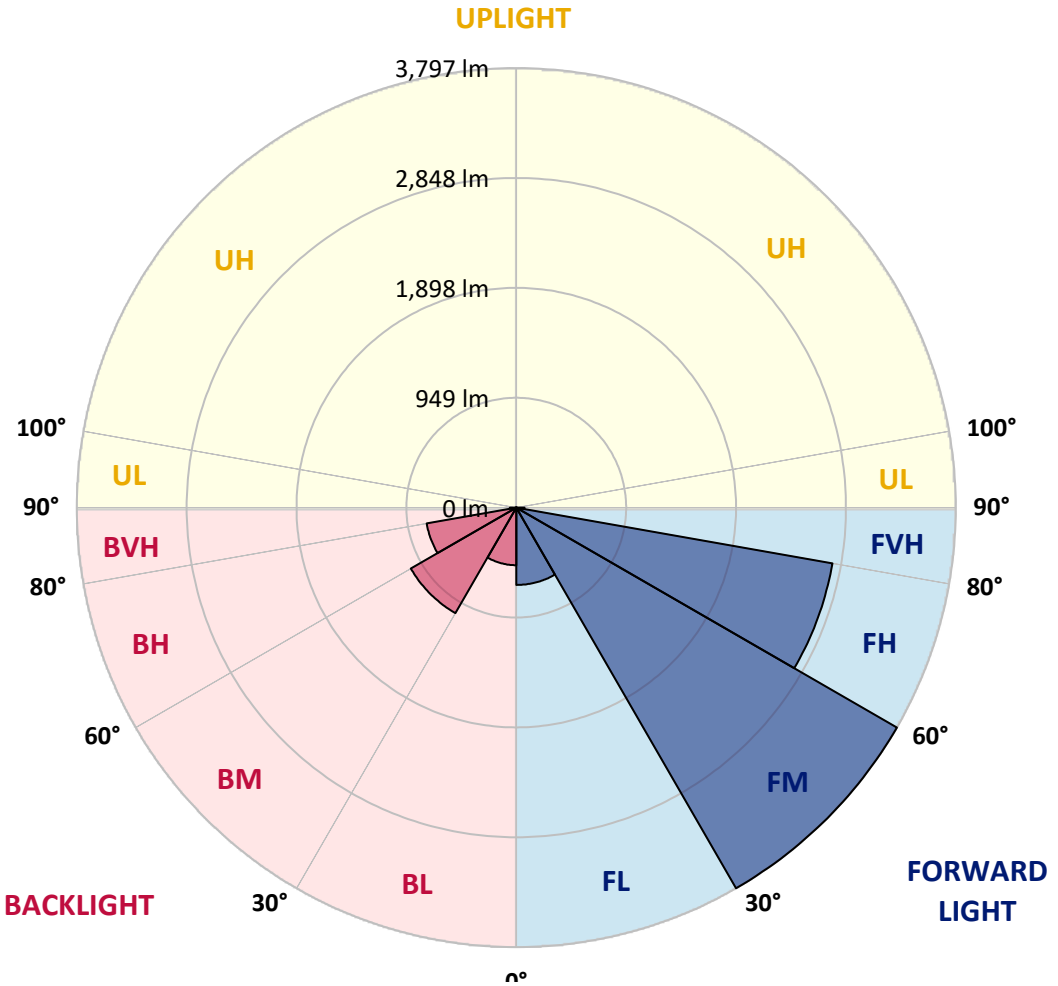
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	668.0	6.9			
FM	(30°-60°)	3796.9	39.1			
FH	(60°-80°)	2773.5	28.6			G2/5000
FVH	(80°-90°)	71.0	0.7			G1/100
BL	(0°-30°)	497.5	5.1	B1/500		
BM	(30°-60°)	1052.2	10.8	B2/2500		
BH	(60°-80°)	786.0	8.1	B2/1000		G2/1000
BVH	(80°-90°)	55.8	0.6			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°	82°	85°
0°	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	*1422.3*	1422.3
2.5°	1456.3	1464.5	1461.9	1459.4	1459.4	1455.7	1455.2	1450.1	1446.0	*1439.3*	1437.7
5°	1474.8	1483.5	1482.5	1484.6	1491.3	1492.8	1494.4	1491.3	1483.0	*1474.8*	1471.2
7.5°	1458.3	1468.1	1471.2	1483.5	1504.1	1522.7	1536.6	1542.2	1534.5	*1522.7*	1517.0
10°	1402.7	1413.5	1424.3	1453.7	1490.2	1534.0	1571.1	1593.2	1591.6	*1580.3*	1570.5
12.5°	1290.0	1301.3	1324.5	1381.6	1448.5	1525.8	1594.7	1641.1	1657.0	*1648.8*	1631.8
15°	1199.9	1209.7	1227.2	1285.9	1372.9	1490.2	1603.5	1693.6	1734.2	*1729.6*	1709.0
17.5°	1197.3	1201.5	1212.3	1240.1	1307.0	1434.6	1594.2	1745.0	1822.8	*1822.3*	1796.5
20°	1242.6	1244.2	1250.4	1256.0	1294.1	1392.4	1570.5	1787.8	1922.1	*1922.1*	1894.3
22.5°	1305.4	1304.4	1310.6	1305.4	1324.0	1388.8	1555.6	1825.3	2032.8	*2041.0*	2006.0
25°	1399.6	1394.5	1392.9	1381.1	1384.7	1422.3	1572.1	1868.1	2164.1	*2181.0*	2137.3
27.5°	1525.2	1517.0	1511.3	1484.1	1474.8	1491.3	1622.5	1919.5	2310.3	*2339.6*	2284.0
30°	1688.9	1674.0	1665.8	1618.4	1585.0	1587.5	1698.7	1988.0	2463.1	*2510.5*	2440.0
32.5°	1912.3	1889.2	1867.0	1789.3	1728.1	1708.0	1797.0	2082.7	2628.9	*2704.6*	2614.0
35°	2162.5	2144.0	2120.3	2000.4	1906.2	1859.8	1929.8	2215.0	2823.0	*2942.9*	2825.0
37.5°	2403.4	2387.5	2398.8	2237.2	2115.7	2048.2	2103.8	2392.6	3062.3	*3239.4*	3089.6
40°	2652.6	2640.2	2641.8	2487.3	2345.8	2270.1	2314.9	2615.5	3336.7	*3592.0*	3407.7
42.5°	2923.3	2914.1	2883.2	2746.3	2587.2	2516.7	2557.9	2872.9	3631.1	*3993.5*	3756.7
45°	3226.5	3220.9	3192.0	3035.0	2852.8	2773.5	2829.1	3157.0	3927.1	*4371.4*	4107.3
47.5°	3488.5	3493.2	3489.6	3357.3	3168.4	3052.0	3118.4	3453.5	4202.5	*4726.5*	4443.4
50°	3614.7	3638.9	3674.4	3633.2	3515.8	3397.4	3410.3	3739.7	4465.0	*5059.6*	4765.7
52.5°	3548.8	3594.6	3691.4	3757.2	3802.5	3777.8	3743.4	4023.9	4712.1	*5360.2*	5070.4
55°	3303.2	3367.6	3528.2	3687.2	3918.4	4098.0	4143.3	4338.9	4953.0	*5624.8*	5358.7
57.5°	2855.9	2960.4	3104.5	3426.3	3815.4	4253.0	4609.7	4776.0	5208.4	*5907.4*	5660.3
60°	2088.9	2228.9	2408.1	2886.8	3455.1	4170.1	5006.6	5447.2	5571.3	*6273.4*	6053.1
62.5°	1336.8	1423.3	1588.0	2039.0	2692.2	3745.4	5128.1	6286.3	6186.4	*6873.6*	6642.0
65°	915.2	970.8	1121.7	1374.9	1740.4	2788.0	4802.7	6915.3	7163.4	*7824.9*	7648.9
67.5°	665.1	707.3	836.0	1057.8	1134.0	1649.8	3726.9	6886.5	8113.2	*8805.0*	8531.2
70°	*484.9*	*514.8*	*622.9*	*836.0*	*872.5*	*917.8*	*2257.7*	*5853.9*	*8092.6*	*9065.5*	*8737.6*
72.5°	359.3	379.9	452.5	648.6	706.3	619.8	1117.5	4254.5	6953.9	*8199.6*	7936.6
75°	260.0	275.4	328.9	496.2	565.2	472.0	557.5	2486.3	4850.6	*5767.9*	5814.2
77.5°	198.7	210.5	245.5	363.4	452.5	354.2	345.9	1143.8	2300.0	*2311.3*	2441.0
80°	159.6	167.3	186.3	255.8	346.9	265.1	225.5	461.7	726.8	*615.1*	645.5
82.5°	117.4	130.2	157.5	179.7	248.1	182.7	137.4	233.2	276.4	*237.8*	239.9
85°	66.9	75.7	95.2	128.7	158.5	111.7	78.8	103.5	128.7	*105.5*	94.2
87.5°	23.7	30.9	33.5	50.4	69.0	46.3	30.4	29.9	42.2	*31.4*	26.3
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°	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3	1422.3
2.5°	1432.6	1430.0	1419.7	1405.8	1391.4	1377.5	1372.9	1363.1	1356.4	1352.8	1356.9
5°	1461.4	1453.2	1429.0	1398.1	1365.7	1330.7	1306.0	1283.3	1266.8	1251.4	1257.6
7.5°	1502.6	1488.2	1446.5	1392.4	1334.8	1276.6	1233.4	1200.4	1178.3	1163.9	1167.0
10°	1550.5	1528.3	1464.5	1383.7	1294.6	1211.2	1160.3	1132.0	1118.1	1110.3	1112.4
12.5°	1605.5	1574.1	1483.0	1363.6	1233.4	1138.1	1103.1	1094.9	1095.4	1095.9	1097.0
15°	1673.5	1629.7	1498.0	1319.9	1153.6	1082.0	1075.9	1089.2	1103.1	1109.8	1109.3
17.5°	1750.2	1688.4	1500.5	1247.8	1075.3	1046.0	1065.6	1094.4	1115.5	1124.8	1126.8
20°	1832.6	1748.1	1482.0	1145.9	1011.0	1016.7	1051.7	1088.7	1111.9	1123.7	1126.8
22.5°	1926.8	1812.0	1437.7	1038.8	958.5	984.7	1025.9	1062.0	1086.1	1098.0	1101.1
25°	2034.3	1883.5	1368.2	948.7	913.2	948.7	989.9	1019.7	1039.3	1050.1	1053.2
27.5°	2153.8	1958.2	1275.6	877.2	873.6	911.6	945.6	968.8	979.1	987.3	990.4
30°	2273.7	2026.1	1163.4	823.1	839.1	875.1	899.3	909.6	912.7	914.2	917.8
32.5°	2403.4	2084.8	1045.5	778.3	806.1	839.6	854.0	858.6	844.2	834.4	837.5
35°	2560.4	2147.6	930.2	742.8	773.7	802.5	807.1	803.0	786.0	766.0	767.0
37.5°	2754.5	2225.8	838.0	717.6	743.3	762.4	756.7	755.7	757.2	733.5	735.1
40°	2992.3	2327.8	770.6	698.0	718.6	722.7	706.8	715.5	723.2	687.2	688.2
42.5°	3256.4	2450.8	727.9	684.6	698.0	688.2	663.5	673.3	672.3	624.9	624.4
45°	3525.6	2584.6	712.9	674.9	679.0	659.4	632.1	634.7	613.1	570.4	571.9
47.5°	3793.3	2728.2	722.2	666.6	655.3	633.2	612.1	600.7	568.8	536.9	536.9
50°	4055.8	2879.1	756.2	650.1	622.9	610.0	594.6	574.5	540.5	513.2	511.2
52.5°	4299.3	3030.9	794.3	622.9	582.2	589.9	580.1	557.0	523.5	495.7	496.2
55°	4529.9	3182.8	809.2	585.3	544.1	572.4	566.8	524.0	483.9	461.2	459.2
57.5°	4781.1	3365.5	792.7	537.4	513.2	552.3	530.7	483.4	460.2	443.2	441.7
60°	5129.1	3652.2	757.2	478.2	483.9	522.5	485.4	465.9	440.6	421.6	420.6
62.5°	5707.2	4187.1	700.1	419.5	449.4	478.2	463.8	444.2	418.5	400.0	400.0
65°	6561.7	4930.4	592.5	373.7	410.8	435.0	440.6	421.1	394.3	374.7	375.8
67.5°	7282.3	5396.8	448.4	335.6	371.1	400.0	415.9	396.9	368.6	349.5	350.0
70°	*7242.7*	*5058.1*	*342.3*	*298.0*	*336.1*	*365.5*	*386.1*	*371.1*	*340.8*	*322.8*	*324.3*
72.5°	6433.0	4231.3	276.9	260.0	300.6	329.4	354.2	342.8	311.9	294.4	294.4
75°	4726.0	3003.6	221.3	221.3	256.4	291.9	319.2	311.9	283.6	271.3	267.7
77.5°	1992.1	1260.1	173.5	183.8	213.1	250.7	284.7	287.2	262.5	278.0	252.2
80°	529.7	347.5	132.3	144.6	167.3	206.9	247.6	246.6	219.8	205.4	191.0
82.5°	201.8	136.9	94.2	101.9	121.0	158.5	196.1	202.3	175.5	151.9	151.9
85°	77.7	58.7	58.2	61.3	70.5	105.0	148.3	153.4	132.3	112.2	115.8
87.5°	20.1	17.5	21.6	20.6	32.4	56.1	84.9	88.0	80.8	46.8	66.9
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)