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: P1201605

Luminaire Tested: GWC-SB1B-827-U-T4FT

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201605
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1B-827-U-T4FT
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD THROW OPT
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4865 lumens
Efficiency:	N/A
Efficacy:	122.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

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

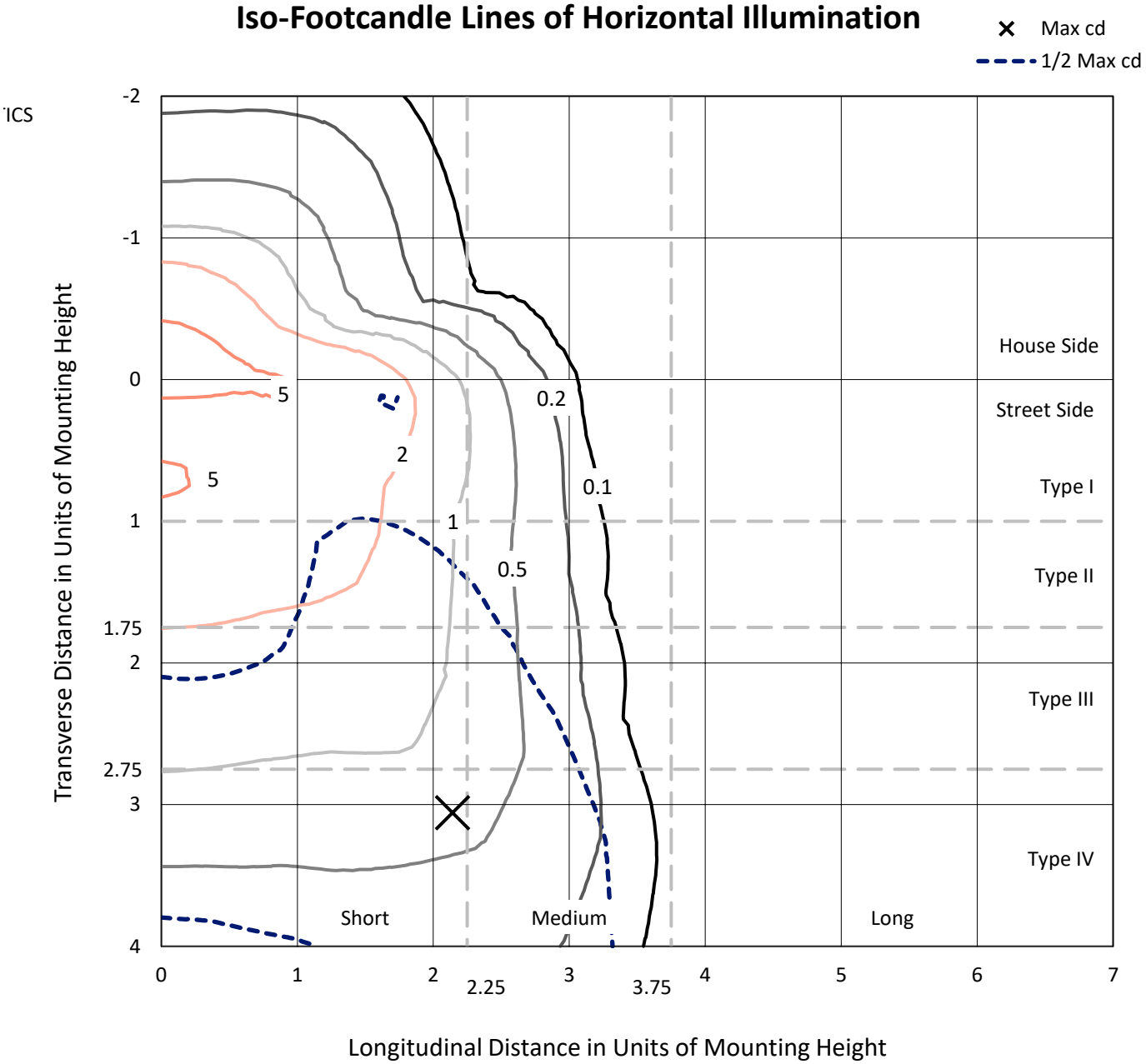


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Iso-Footcandle Lines of Horizontal Illumination



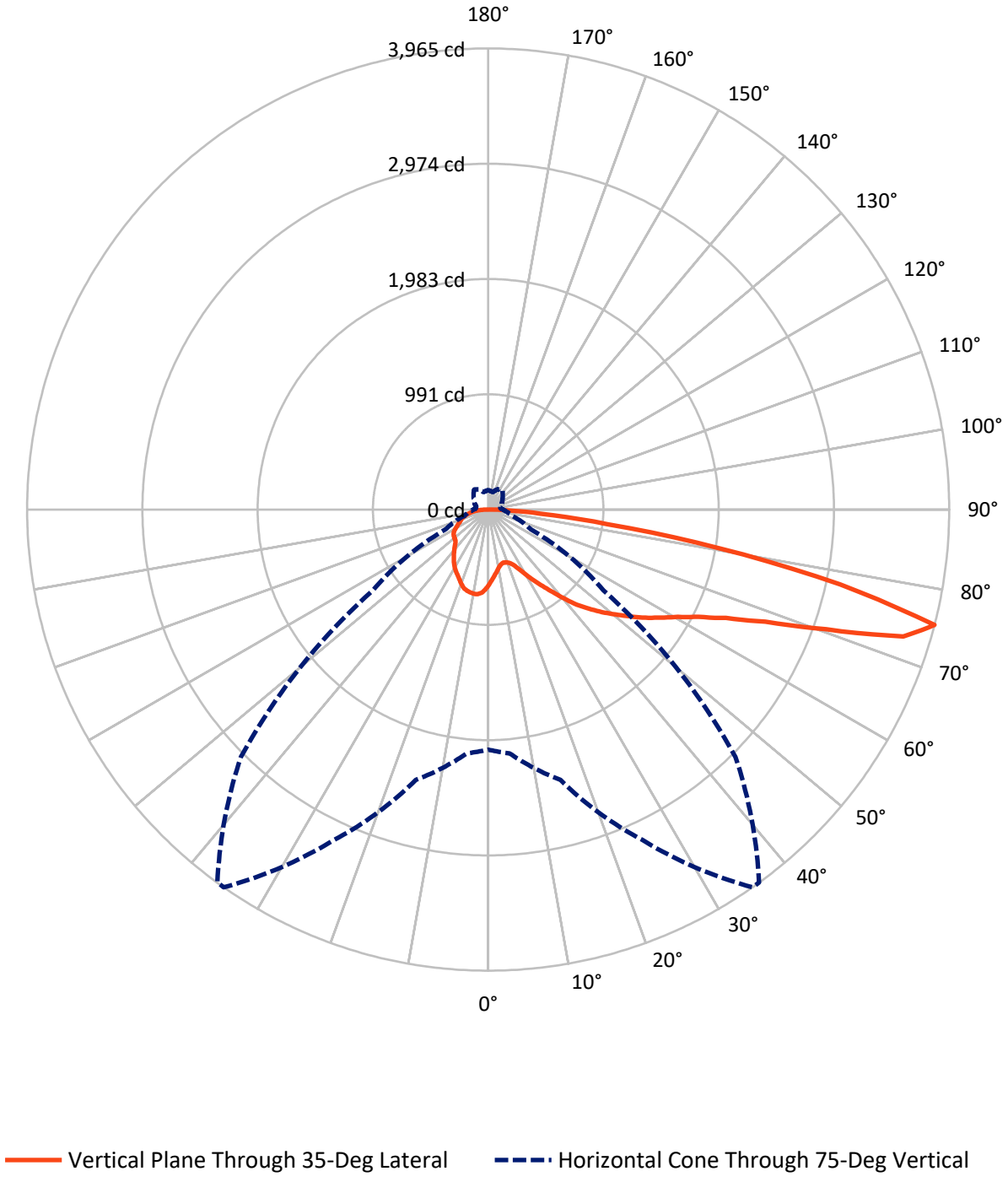
Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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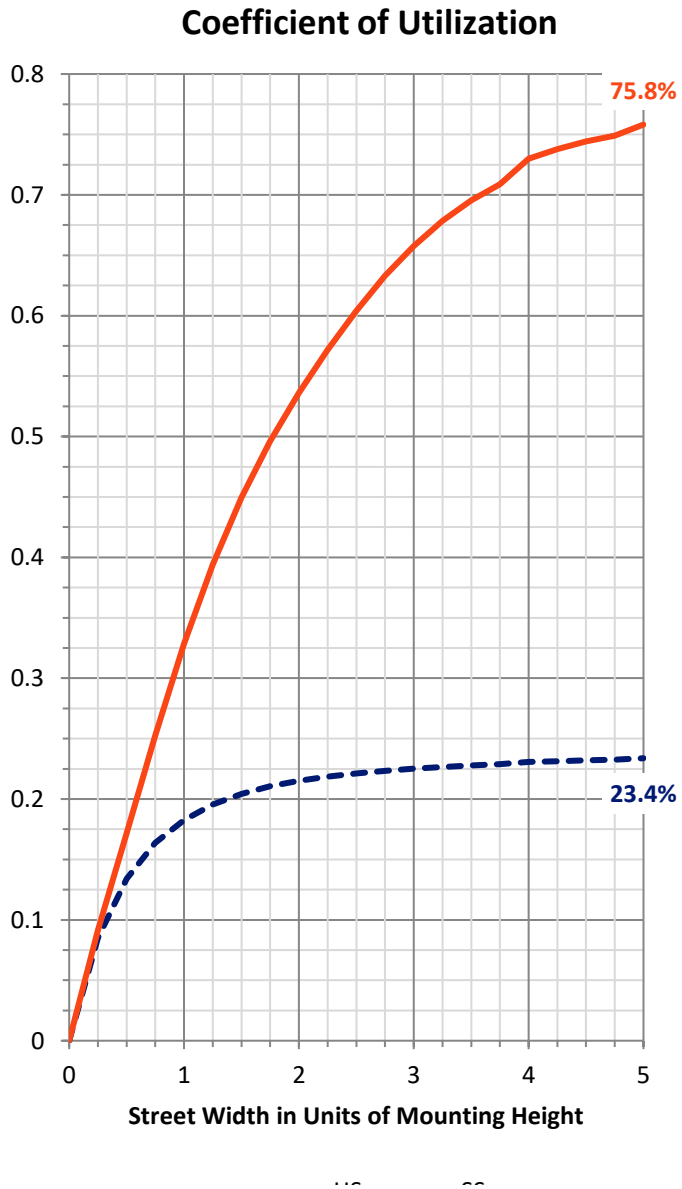
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1157.8	0.0	1157.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	3707.2	0.0	3707.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	4865.0	0.0	4865.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	1.3
10°-20°	177.0	3.6
20°-30°	297.3	6.1
30°-40°	462.1	9.5
40°-50°	685.8	14.1
50°-60°	946.8	19.5
60°-70°	1148.7	23.6
70°-80°	949.3	19.5
80°-90°	136.5	2.8
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°	4865.0	100.0
0°-180°	4865.0	100.0



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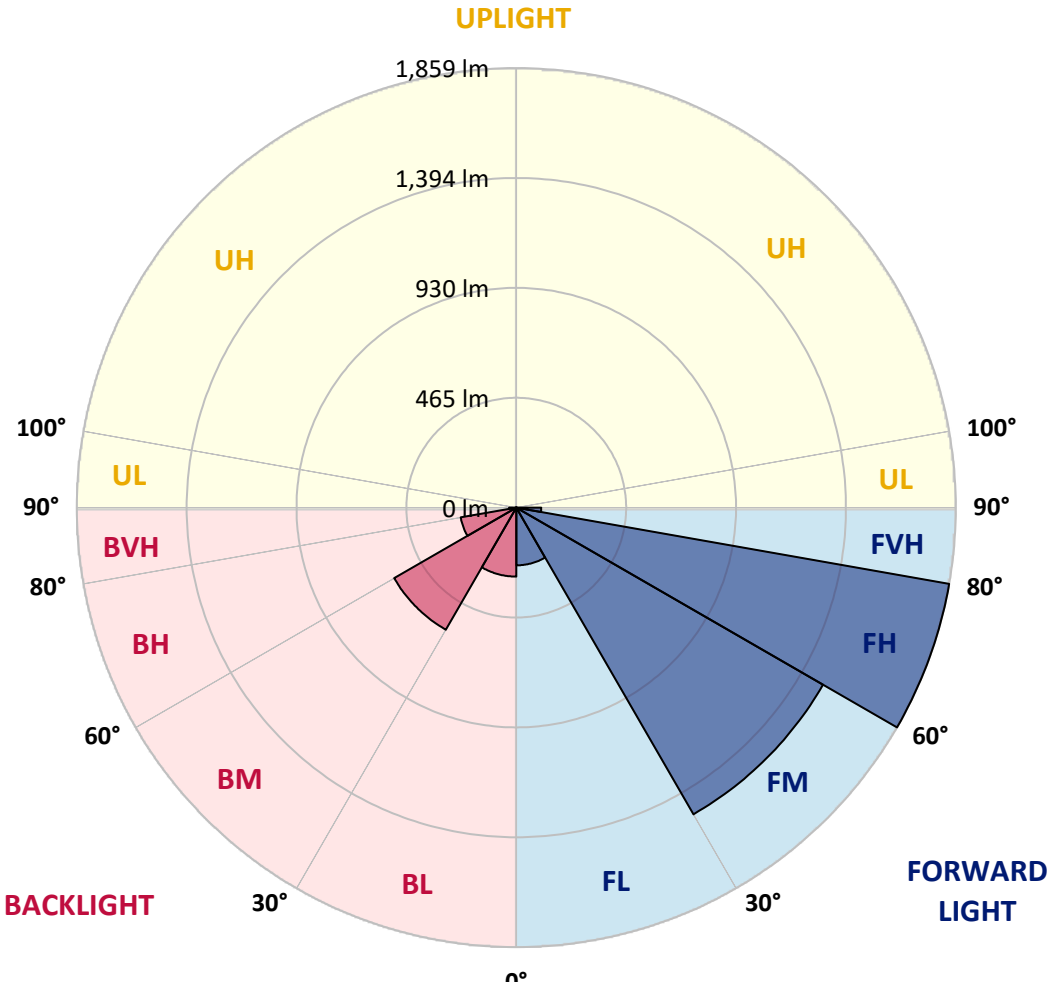
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	244.0	5.0			
FM	(30°-60°)	1498.2	30.8			
FH	(60°-80°)	1859.3	38.2			G2/5000
FVH	(80°-90°)	105.8	2.2			G2/225
BL	(0°-30°)	291.8	6.0	B1/500		
BM	(30°-60°)	596.5	12.3	B1/1000		
BH	(60°-80°)	238.7	4.9	B1/500		G1/500
BVH	(80°-90°)	30.7	0.6			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	648.3	648.3	648.3	648.3	*648.3*	648.3	648.3	648.3	648.3	648.3	648.3
2.5°	597.8	601.5	603.1	602.3	*606.2*	605.7	611.2	618.0	627.5	636.7	650.1
5°	551.8	555.7	559.1	562.3	*569.9*	572.3	581.0	594.1	611.5	629.1	651.2
7.5°	508.9	512.3	517.6	523.4	*536.3*	538.6	553.1	573.6	597.8	623.6	654.1
10°	473.9	477.3	482.9	489.4	*505.5*	508.4	526.8	554.1	585.7	618.3	657.2
12.5°	458.9	460.0	463.1	469.7	*483.7*	485.5	505.7	537.0	573.9	614.4	662.0
15°	458.1	460.2	460.5	463.9	*475.5*	476.3	495.0	526.0	566.5	613.6	669.1
17.5°	466.0	467.6	465.2	467.4	*477.1*	478.4	493.1	520.7	564.1	617.0	681.2
20°	487.1	488.4	481.3	478.4	*485.5*	486.5	501.0	524.2	566.5	624.1	697.7
22.5°	531.8	532.6	515.2	503.4	*503.9*	504.4	517.1	538.1	575.7	637.0	718.8
25°	601.5	601.0	573.3	550.5	*537.3*	534.4	542.8	560.7	591.2	654.1	745.9
27.5°	683.0	679.1	651.5	617.3	*588.6*	584.4	582.5	590.2	613.3	676.7	779.0
30°	775.1	771.4	741.7	696.9	*657.2*	650.4	633.0	629.1	646.2	707.5	825.0
32.5°	876.1	873.7	838.2	784.0	*730.9*	723.0	693.8	683.3	696.7	754.0	889.2
35°	960.7	958.6	929.2	873.4	*808.5*	798.7	769.0	757.2	764.0	813.7	973.1
37.5°	1037.3	1036.2	1011.0	967.0	*900.0*	888.1	854.7	850.8	849.5	892.4	1074.9
40°	1108.3	1105.7	1079.4	1056.2	*1006.5*	995.7	966.3	962.8	952.8	989.1	1190.1
42.5°	1186.9	1180.1	1141.9	1131.2	*1117.7*	1108.8	1091.2	1091.7	1069.6	1098.3	1312.1
45°	1251.1	1247.1	1208.0	1201.6	*1216.1*	1212.4	1227.7	1231.6	1188.8	1212.7	1438.9
47.5°	1320.0	1316.3	1283.2	1278.7	*1317.9*	1318.9	1372.9	1374.2	1305.0	1331.6	1565.9
50°	1404.9	1399.7	1366.8	1372.3	*1416.3*	1420.2	1518.8	1509.9	1412.0	1452.3	1691.9
52.5°	1461.0	1464.1	1457.0	1466.0	*1525.9*	1529.6	1662.4	1639.5	1518.0	1571.4	1815.5
55°	1502.3	1508.6	1530.7	1551.2	*1641.6*	1645.3	1797.9	1762.9	1605.9	1681.9	1931.7
57.5°	1555.4	1546.4	1587.7	1627.7	*1751.6*	1761.3	1929.6	1881.8	1683.7	1777.1	2011.4
60°	1631.6	1625.3	1657.4	1716.6	*1874.7*	1890.2	2069.0	1988.8	1740.8	1852.6	2026.9
62.5°	1786.3	1770.5	1775.5	1827.8	*2029.8*	2050.3	2226.3	2082.2	1769.2	1882.0	1943.8
65°	2017.5	1990.4	1965.1	2001.4	*2248.4*	2268.6	2403.8	2155.5	1758.7	1825.0	1723.2
67.5°	2308.6	2281.8	2250.8	2284.9	*2570.3*	2586.3	2622.9	2196.8	1675.8	1605.1	1333.1
70°	2548.7	2538.7	2575.8	2716.5	*3084.5*	3085.0	2903.8	2162.6	1448.9	1138.0	771.4
72.5°	2516.9	2510.9	2706.3	3141.3	*3732.5*	3718.6	3169.7	1903.9	976.0	513.4	289.0
75°	*2064.8*	*2104.0*	*2406.7*	*3133.6*	*3965.2*	*3963.4*	*3006.9*	*1210.3*	*403.7*	*212.8*	*149.4*
77.5°	1107.2	1169.3	1562.5	2313.6	*3095.5*	3142.1	2114.0	423.4	173.3	136.2	103.4
80°	361.1	415.3	622.8	1178.0	*2011.4*	2002.7	906.0	166.2	118.6	96.5	71.5
82.5°	153.3	159.6	278.3	556.2	*1032.3*	1016.2	288.5	95.5	83.4	66.0	44.2
85°	60.0	67.1	122.8	257.2	*447.1*	437.4	104.1	47.3	53.4	43.1	26.3
87.5°	19.7	23.9	43.9	88.1	*139.1*	134.1	25.5	16.3	23.1	19.7	9.5
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°	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3
2.5°	653.8	658.0	663.0	670.4	676.7	682.0	687.5	690.9	692.2	696.2	695.9
5°	658.6	667.8	680.1	692.2	704.1	711.2	717.5	720.6	723.5	725.6	726.1
7.5°	666.4	678.3	697.7	713.5	723.5	729.3	733.5	732.5	733.5	734.0	734.8
10°	673.3	689.8	713.0	728.0	735.6	735.9	734.8	731.1	729.3	729.6	730.1
12.5°	681.4	699.8	724.8	737.5	739.6	733.8	729.3	723.0	720.6	719.6	719.0
15°	692.5	713.5	737.7	742.4	737.2	729.8	722.2	711.9	706.7	702.5	703.8
17.5°	705.9	729.0	747.7	744.3	733.0	720.9	708.5	693.0	682.2	677.8	678.0
20°	724.6	745.3	755.3	740.3	723.2	704.8	683.8	664.9	654.9	650.4	649.9
22.5°	747.2	767.2	762.7	733.5	709.3	679.9	653.6	639.6	634.6	631.5	632.0
25°	774.3	791.4	768.0	723.5	686.4	646.7	626.5	622.0	619.6	617.3	617.3
27.5°	809.5	818.7	771.9	708.8	650.7	611.5	604.1	604.9	604.1	600.2	601.0
30°	856.1	854.2	775.6	684.9	609.6	579.7	580.2	583.6	584.1	581.5	582.8
32.5°	917.3	898.7	777.4	653.8	570.4	551.8	552.3	556.0	558.6	554.1	556.2
35°	991.5	950.5	774.5	614.9	540.2	525.2	521.3	522.3	523.1	518.9	521.8
37.5°	1078.0	1008.6	761.6	571.8	515.2	499.2	490.8	483.7	479.4	475.5	478.1
40°	1173.0	1072.0	738.0	529.7	487.3	471.6	458.9	445.5	431.3	426.1	428.4
42.5°	1272.4	1137.2	709.3	489.4	455.3	442.4	429.0	409.5	388.2	377.4	378.7
45°	1375.5	1204.0	681.2	449.7	422.4	416.9	401.3	377.9	354.8	341.1	340.1
47.5°	1476.5	1267.1	639.9	409.8	391.6	397.7	385.6	364.0	338.2	316.7	314.3
50°	1573.0	1326.3	572.3	369.3	366.6	391.9	380.3	349.3	319.8	292.2	289.8
52.5°	1668.7	1374.2	485.8	332.4	353.2	390.3	373.5	339.3	303.2	274.3	271.2
55°	1750.0	1398.9	402.4	300.9	333.7	376.9	365.3	327.4	279.8	249.1	246.4
57.5°	1796.3	1378.9	333.0	269.8	306.9	354.8	351.4	302.2	252.0	228.3	225.1
60°	1776.3	1297.9	276.1	242.7	281.4	330.9	327.2	277.2	230.7	208.3	205.1
62.5°	1666.1	1143.5	231.2	219.1	258.3	306.4	303.0	258.0	214.3	192.8	189.4
65°	1444.1	930.2	196.2	199.4	234.9	276.9	281.9	242.0	201.5	180.4	177.0
67.5°	1101.4	673.8	168.8	182.3	212.0	248.0	262.5	230.4	190.7	170.7	167.5
70°	627.8	382.7	145.7	165.7	191.7	221.2	247.5	221.2	179.1	162.5	160.4
72.5°	238.0	175.7	126.0	149.1	172.3	198.6	230.9	206.7	165.7	153.3	151.2
75°	*127.0*	*107.0*	*106.0*	*129.7*	*149.9*	*176.5*	*210.1*	*192.5*	*155.7*	*162.0*	*167.3*
77.5°	86.5	75.7	88.6	111.0	125.5	152.0	188.0	170.9	134.9	134.4	123.9
80°	60.0	53.7	72.1	89.4	97.0	127.8	164.1	146.8	109.9	102.6	98.1
82.5°	36.0	35.0	53.9	66.8	68.6	98.6	136.0	123.1	89.9	78.4	78.9
85°	19.7	20.8	34.5	39.2	40.0	68.9	106.5	95.2	69.2	58.1	58.6
87.5°	5.5	7.1	12.6	15.5	19.2	35.8	63.4	56.5	34.7	24.2	24.2
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)