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: P1202715

Luminaire Tested: GWC-SB2A-827-U-SL3

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202715
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-827-U-SL3
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7622 lumens
Efficiency:	N/A
Efficacy:	133.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

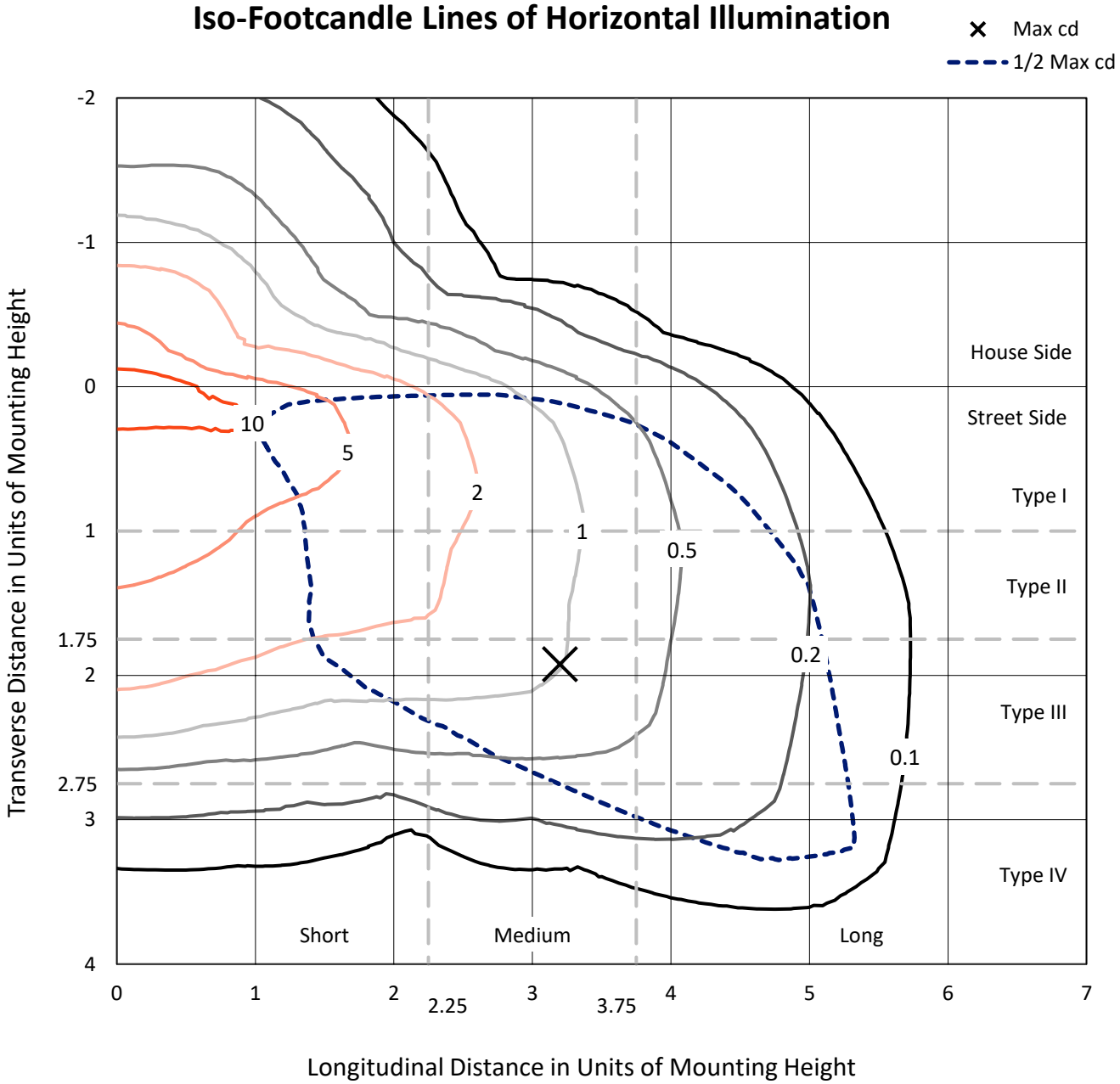


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Iso-Footcandle Lines of Horizontal Illumination



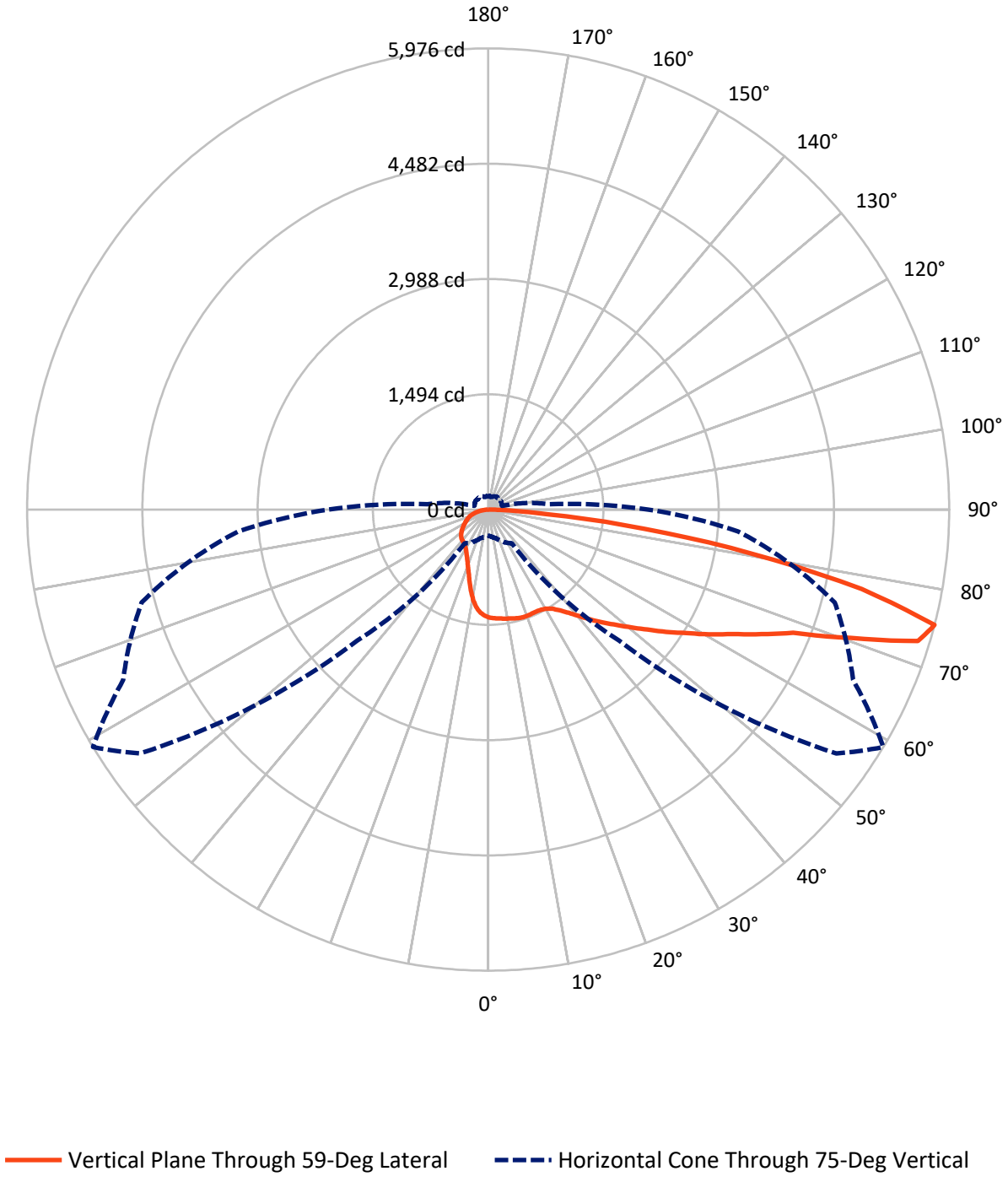
Based on 10 foot mounting height. Maximum calculated value = 14 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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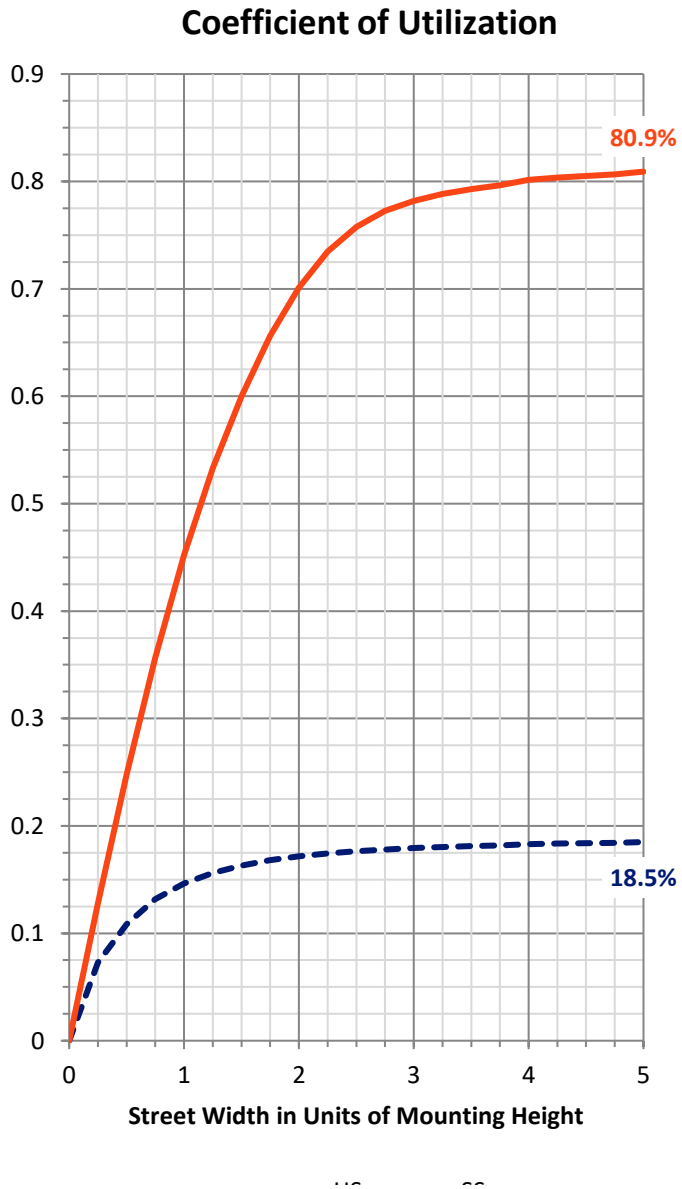
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1429.6	0.0	1429.6
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	6192.4	0.0	6192.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	7622.0	0.0	7622.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	1.6
10°-20°	320.6	4.2
20°-30°	487.0	6.4
30°-40°	723.9	9.5
40°-50°	1076.6	14.1
50°-60°	1461.4	19.2
60°-70°	1784.2	23.4
70°-80°	1400.2	18.4
80°-90°	242.5	3.2
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°	7622.0	100.0
0°-180°	7622.0	100.0



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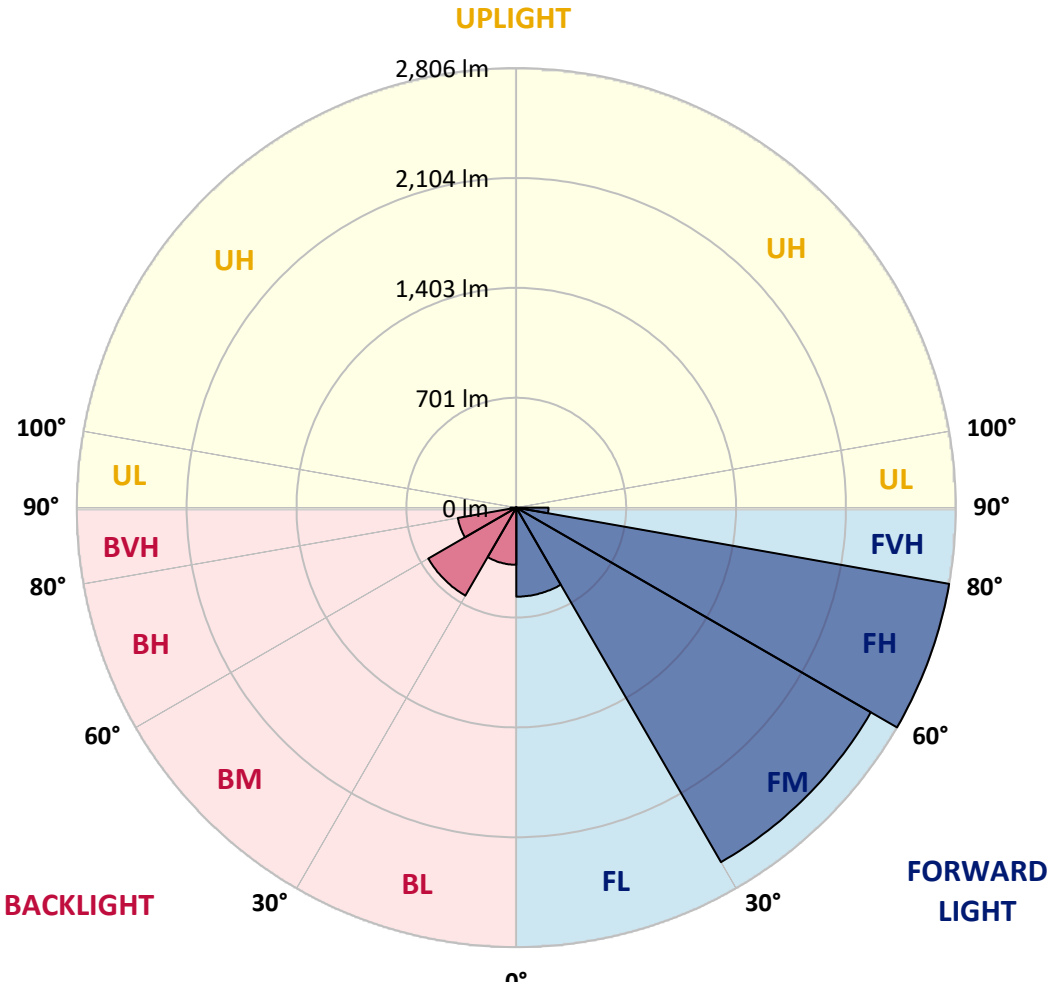
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	568.3	7.5			
FM	(30°-60°)	2613.1	34.3			
FH	(60°-80°)	2805.6	36.8			G2/5000
FVH	(80°-90°)	205.4	2.7			G2/225
BL	(0°-30°)	364.8	4.8	B1/500		
BM	(30°-60°)	648.9	8.5	B1/1000		
BH	(60°-80°)	378.7	5.0	B1/500		G1/500
BVH	(80°-90°)	37.1	0.5			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1399.0	1399.0	1399.0	1399.0	1399.0	1399.0	1399.0	1399.0	1399.0	1399.0	1399.0
2.5°	1410.9	1406.0	1410.9	1408.8	1408.0	1406.4	1406.8	1409.7	1408.0	1410.1	1403.1
5°	1401.5	1398.6	1403.5	1402.3	1407.6	1408.4	1413.8	1417.0	1419.1	1419.5	1414.2
7.5°	1385.9	1383.0	1390.0	1395.7	1407.2	1410.5	1421.6	1426.9	1429.8	1434.7	1426.9
10°	1328.9	1327.7	1344.9	1366.6	1393.7	1410.5	1427.3	1436.3	1440.8	1453.9	1444.9
12.5°	1228.0	1229.7	1252.2	1294.0	1348.2	1402.3	1433.9	1447.0	1453.9	1470.3	1466.2
15°	1131.7	1131.3	1155.9	1200.5	1276.4	1366.2	1437.1	1459.7	1471.6	1495.8	1492.5
17.5°	1075.9	1074.3	1091.5	1125.5	1196.0	1310.8	1428.9	1466.7	1492.1	1522.4	1519.5
20°	1065.7	1062.4	1071.4	1088.2	1138.2	1250.2	1407.6	1466.7	1508.5	1547.8	1546.2
22.5°	1103.0	1097.6	1093.9	1091.9	1114.0	1200.1	1383.4	1461.7	1532.7	1584.3	1581.5
25°	1178.0	1169.8	1150.9	1132.5	1125.9	1177.6	1362.1	1460.5	1568.8	1633.5	1622.9
27.5°	1299.4	1289.1	1251.0	1206.7	1166.9	1189.1	1352.7	1467.9	1608.5	1685.6	1664.3
30°	1449.8	1438.8	1390.8	1322.7	1251.4	1231.7	1364.6	1489.6	1659.4	1754.9	1713.1
32.5°	1584.7	1572.4	1531.4	1462.1	1365.8	1305.5	1402.3	1531.0	1739.3	1851.3	1786.5
35°	1704.5	1690.1	1653.2	1589.3	1506.0	1409.3	1470.3	1604.4	1852.9	2007.9	1886.1
37.5°	1821.7	1804.9	1764.7	1697.1	1638.9	1547.4	1564.2	1698.7	2003.8	2198.1	2018.1
40°	1952.9	1928.8	1880.0	1813.1	1756.5	1709.4	1687.7	1814.4	2157.1	2410.5	2183.0
42.5°	2080.1	2057.1	1998.9	1941.9	1870.9	1857.4	1830.8	1949.7	2324.8	2643.8	2350.3
45°	2217.0	2189.5	2119.0	2046.8	2002.1	1955.8	1969.3	2085.0	2489.3	2881.6	2525.7
47.5°	2345.3	2314.6	2231.3	2151.0	2126.4	2038.6	2096.5	2233.8	2660.2	3122.7	2699.6
50°	2414.6	2384.3	2315.0	2242.4	2223.1	2140.7	2234.2	2397.4	2839.4	3363.0	2866.5
52.5°	2472.4	2439.6	2349.0	2308.8	2303.1	2251.9	2404.0	2584.4	3018.6	3575.4	3027.6
55°	2533.9	2497.5	2381.8	2345.7	2372.0	2376.5	2605.3	2796.4	3208.0	3782.5	3179.7
57.5°	2604.9	2558.5	2413.4	2376.9	2439.2	2522.5	2836.5	3016.1	3394.2	3974.4	3315.0
60°	2671.7	2625.0	2474.1	2426.5	2511.8	2691.8	3101.8	3282.2	3604.9	4145.3	3443.0
62.5°	2684.8	2646.3	2522.5	2522.1	2610.2	2889.4	3415.9	3550.8	3789.0	4314.3	3557.8
65°	2457.7	2433.5	2360.1	2518.4	2751.3	3174.0	3765.7	3894.4	4023.2	4461.9	3658.6
67.5°	1870.5	1873.8	1868.5	2173.9	2637.3	3582.8	4272.0	4262.2	4312.2	4627.5	3774.7
70°	855.3	874.6	1000.0	1500.7	2112.9	3629.9	5109.3	4981.8	4675.1	4842.0	3875.1
72.5°	462.1	476.9	528.1	727.0	1270.3	3227.3	5735.0	5825.6	5157.7	4986.3	3764.8
75°	339.1	347.3	383.0	462.1	533.4	2398.6	5510.7	5975.7	5218.0	4649.7	3251.1
77.5°	253.8	257.5	286.6	366.2	273.1	1264.5	4403.2	4949.0	4466.8	3820.2	2401.5
80°	184.1	188.2	209.9	274.7	191.5	462.5	3023.5	3473.7	3059.2	2435.1	1196.9
82.5°	127.1	128.7	138.2	187.0	133.7	179.6	1715.5	2037.0	1707.7	854.5	323.1
85°	76.7	78.7	82.8	109.1	75.9	85.3	740.5	765.9	510.5	204.2	100.5
87.5°	31.6	33.6	36.9	45.9	29.9	23.8	122.2	153.3	95.5	59.9	31.2
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°	1399.0	1399.0	1399.0	1399.0	1399.0	1399.0	1399.0	1399.0	1399.0	1399.0	1399.0
2.5°	1401.1	1398.2	1390.4	1379.7	1369.9	1357.6	1352.3	1347.7	1343.6	1335.9	1332.2
5°	1409.7	1401.9	1381.0	1353.9	1323.1	1289.5	1256.7	1234.2	1214.9	1200.5	1188.7
7.5°	1422.8	1408.0	1369.9	1314.5	1244.0	1171.8	1106.7	1060.3	1025.5	1012.8	990.6
10°	1436.3	1418.7	1352.3	1254.7	1132.9	1021.8	935.3	887.7	859.8	850.8	836.9
12.5°	1452.3	1426.5	1324.8	1171.4	1008.7	886.9	811.4	783.6	769.2	764.3	765.5
15°	1475.7	1433.0	1283.4	1067.3	890.2	788.5	739.7	720.4	713.0	712.6	714.3
17.5°	1493.3	1434.3	1219.0	955.8	799.1	729.0	688.8	681.5	686.4	693.8	696.6
20°	1513.0	1423.2	1134.5	854.1	735.2	676.9	660.1	665.1	676.9	687.6	691.3
22.5°	1526.9	1403.1	1032.4	774.9	679.8	647.0	646.2	656.4	663.0	668.3	671.2
25°	1539.2	1369.1	924.2	708.5	634.3	629.0	638.0	634.7	630.2	634.7	637.6
27.5°	1548.2	1315.4	827.4	650.3	602.3	616.7	611.3	604.0	603.6	606.0	610.1
30°	1545.4	1243.6	747.9	594.9	579.8	593.7	581.0	579.8	578.5	579.8	584.3
32.5°	1545.4	1162.0	686.8	556.8	565.4	560.1	558.9	556.0	551.1	550.7	556.0
35°	1554.0	1080.4	634.3	536.3	553.5	540.8	541.6	534.7	524.4	519.5	524.4
37.5°	1571.6	1014.8	582.2	526.5	532.6	532.2	528.9	517.0	499.0	483.4	488.7
40°	1614.3	995.5	546.6	522.0	522.8	527.7	519.1	496.1	455.1	429.7	433.0
42.5°	1681.1	1027.9	538.8	510.9	516.2	521.1	504.3	451.0	421.9	406.7	406.7
45°	1766.0	1084.5	555.6	494.9	500.6	509.2	459.2	433.8	420.7	421.1	423.1
47.5°	1873.4	1144.0	586.7	481.0	478.1	483.0	429.3	413.7	395.7	400.2	411.7
50°	1997.6	1204.2	616.3	462.1	453.1	437.1	410.0	395.3	372.3	361.6	364.5
52.5°	2132.1	1262.5	628.2	439.1	426.0	407.6	396.9	378.9	351.0	333.3	332.9
55°	2259.6	1315.4	615.0	411.7	399.0	384.6	383.0	371.9	342.0	317.4	317.4
57.5°	2380.2	1359.6	582.2	383.8	371.5	362.9	373.9	368.6	330.9	299.3	297.7
60°	2482.3	1390.0	534.7	355.5	346.9	342.4	359.2	357.5	315.3	280.0	278.8
62.5°	2563.5	1401.9	482.2	328.4	326.4	318.2	338.7	338.7	295.6	261.2	260.0
65°	2627.0	1390.4	428.9	301.8	305.9	293.6	313.7	311.2	274.7	244.4	242.7
67.5°	2683.2	1352.7	369.8	275.5	285.0	269.4	287.4	281.7	251.8	227.6	225.9
70°	2708.2	1264.9	302.6	249.3	260.8	245.6	261.2	250.5	225.9	209.5	206.2
72.5°	2507.3	1051.3	238.2	221.8	231.7	219.4	232.9	220.6	198.0	190.7	184.5
75°	*2074.3*	*788.9*	*183.3*	*191.9*	*199.3*	*189.8*	*198.9*	*189.8*	*169.3*	*174.7*	*159.5*
77.5°	1506.4	532.6	140.2	160.3	163.6	158.7	166.5	156.2	137.8	136.5	130.4
80°	749.1	312.0	109.9	126.7	125.5	122.2	131.2	126.3	110.7	117.3	116.0
82.5°	216.9	133.7	80.0	89.0	86.5	87.3	93.9	96.4	144.3	143.1	146.4
85°	68.1	52.5	48.0	49.6	47.2	48.4	55.4	109.9	101.7	59.5	64.4
87.5°	17.6	18.0	11.9	12.7	13.1	15.6	17.6	66.8	32.0	20.9	22.1
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)