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: P1203475

Luminaire Tested: GWC-SB2C-827-U-T4FT

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203475
	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-SB2C-827-U-T4FT
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV FORWARD THRC OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12869 lumens
Efficiency:	N/A
Efficacy:	127.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

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

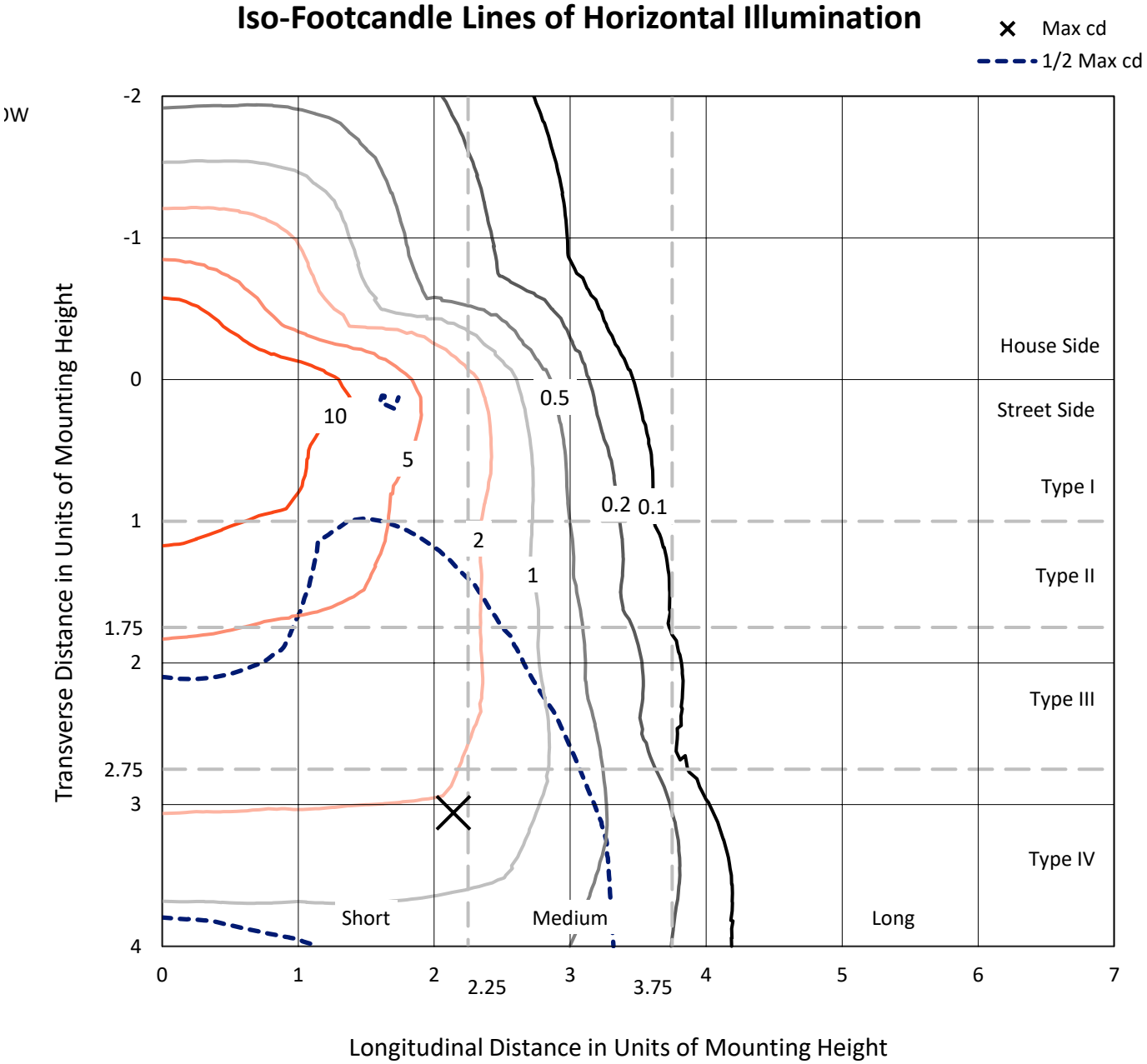


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Iso-Footcandle Lines of Horizontal Illumination



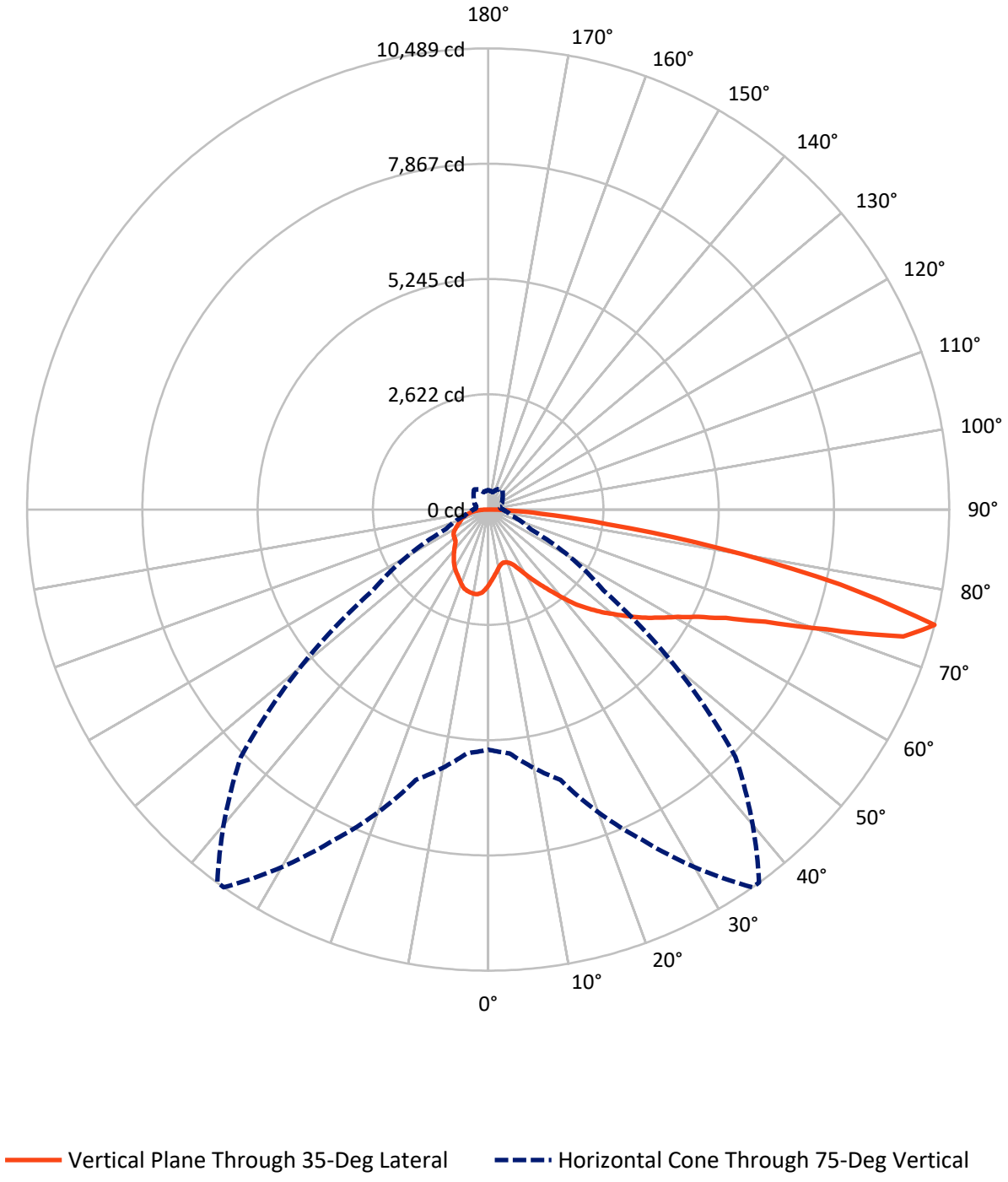
Based on 10 foot mounting height. Maximum calculated value = 19 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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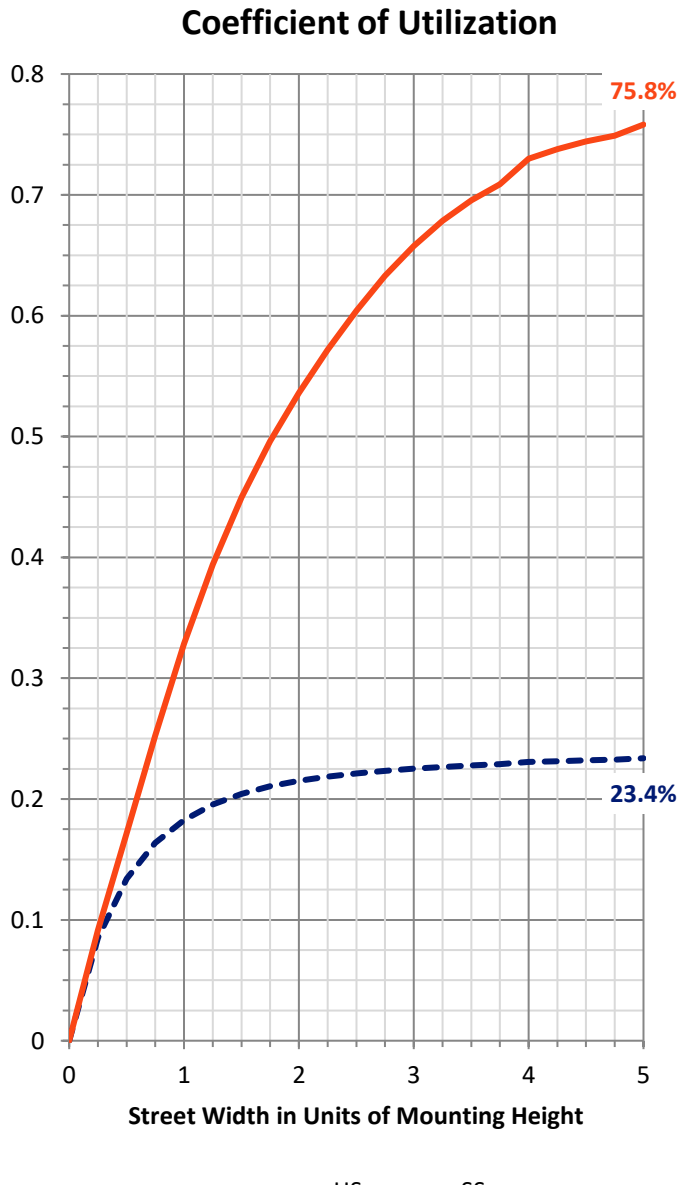
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3062.5	0.0	3062.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	9806.5	0.0	9806.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	12869.0	0.0	12869.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.4	1.3
10°-20°	468.3	3.6
20°-30°	786.5	6.1
30°-40°	1222.3	9.5
40°-50°	1814.1	14.1
50°-60°	2504.5	19.5
60°-70°	3038.6	23.6
70°-80°	2511.2	19.5
80°-90°	361.2	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°	12869.0	100.0
0°-180°	12869.0	100.0



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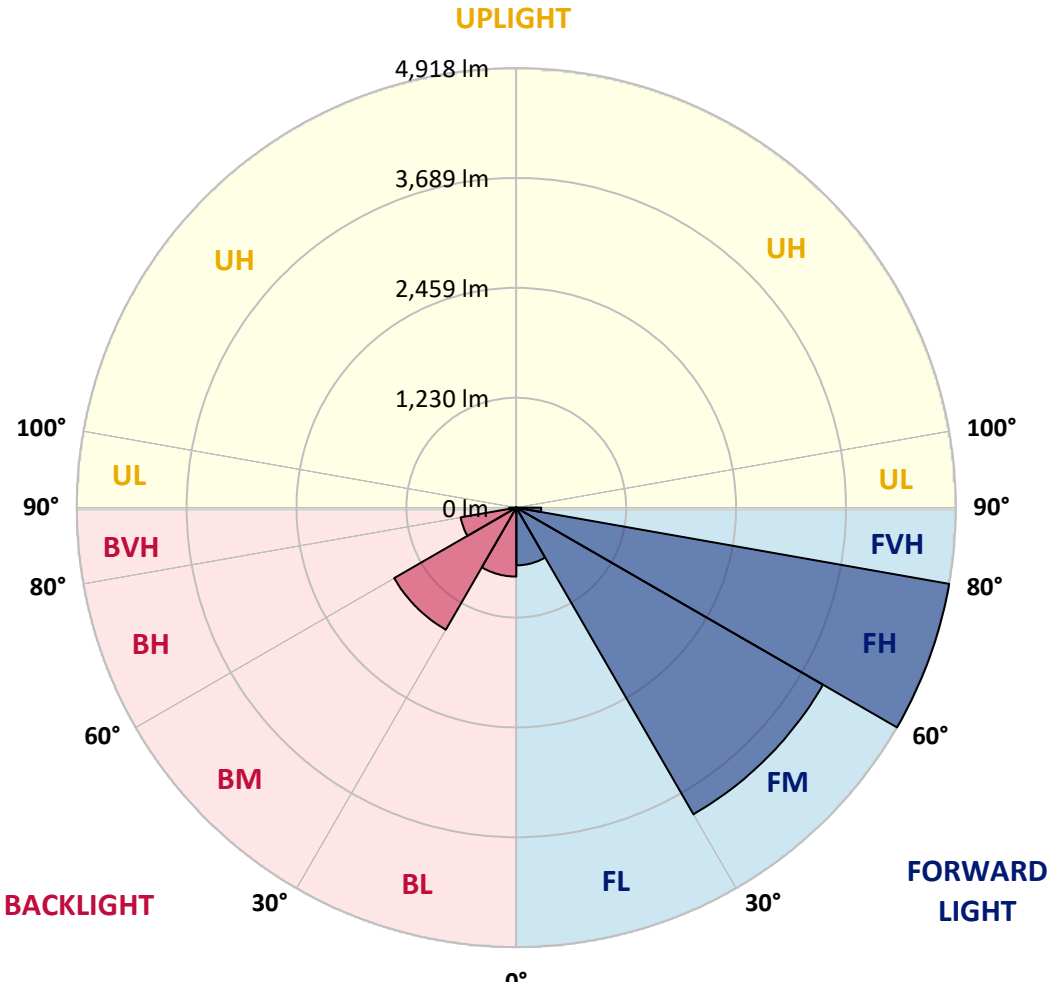
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	645.4	5.0			
FM	(30°-60°)	3963.0	30.8			
FH	(60°-80°)	4918.3	38.2			G2/5000
FVH	(80°-90°)	279.9	2.2			G3/500
BL	(0°-30°)	771.8	6.0	B2/1000		
BM	(30°-60°)	1578.0	12.3	B2/2500		
BH	(60°-80°)	631.4	4.9	B2/1000		G2/1000
BVH	(80°-90°)	81.3	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-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1714.9	1714.9	1714.9	1714.9	*1714.9*	1714.9	1714.9	1714.9	1714.9	1714.9	1714.9
2.5°	1581.3	1591.0	1595.2	1593.1	*1603.6*	1602.2	1616.8	1634.9	1659.9	1684.3	1719.8
5°	1459.6	1470.0	1479.0	1487.4	*1507.6*	1513.8	1536.8	1571.6	1617.5	1664.1	1722.5
7.5°	1346.2	1355.2	1369.1	1384.4	*1418.5*	1424.8	1463.0	1517.3	1581.3	1649.5	1730.2
10°	1253.6	1262.7	1277.3	1294.7	*1337.1*	1344.8	1393.5	1465.8	1549.3	1635.6	1738.5
12.5°	1214.0	1216.8	1225.1	1242.5	*1279.4*	1284.2	1337.8	1420.6	1518.0	1625.1	1751.1
15°	1211.9	1217.5	1218.2	1227.2	*1257.8*	1259.9	1309.3	1391.4	1498.5	1623.0	1769.8
17.5°	1232.8	1236.9	1230.7	1236.2	*1262.0*	1265.5	1304.4	1377.5	1492.3	1632.1	1801.8
20°	1288.4	1291.9	1273.1	1265.5	*1284.2*	1287.0	1325.3	1386.5	1498.5	1650.9	1845.7
22.5°	1406.7	1408.8	1362.9	1331.6	*1332.9*	1334.3	1367.7	1423.4	1522.9	1685.0	1901.3
25°	1591.0	1589.7	1516.6	1456.1	*1421.3*	1413.6	1435.9	1483.2	1563.9	1730.2	1973.0
27.5°	1806.7	1796.3	1723.2	1632.8	*1557.0*	1545.8	1541.0	1561.1	1622.4	1790.0	2060.6
30°	2050.2	2040.5	1961.9	1843.6	*1738.5*	1720.4	1674.5	1664.1	1709.3	1871.4	2182.4
32.5°	2317.4	2311.1	2217.2	2073.9	*1933.3*	1912.5	1835.2	1807.4	1842.9	1994.5	2352.1
35°	2541.4	2535.8	2457.9	2310.4	*2138.6*	2112.8	2034.2	2002.9	2021.0	2152.5	2574.1
37.5°	2743.8	2741.0	2674.2	2558.1	*2380.7*	2349.4	2261.0	2250.6	2247.1	2360.5	2843.3
40°	2931.6	2924.7	2855.1	2793.9	*2662.4*	2633.9	2556.0	2546.9	2520.5	2616.5	3148.0
42.5°	3139.7	3121.6	3020.7	2992.2	*2956.7*	2933.0	2886.4	2887.8	2829.4	2905.2	3470.8
45°	3309.4	3299.0	3195.3	3178.6	*3216.9*	3207.1	3247.5	3257.9	3144.5	3207.8	3806.1
47.5°	3491.7	3481.9	3394.3	3382.5	*3486.1*	3488.9	3631.5	3635.0	3452.0	3522.3	4142.2
50°	3716.4	3702.5	3615.5	3630.1	*3746.3*	3756.7	4017.6	3994.0	3735.2	3841.6	4475.4
52.5°	3864.6	3872.9	3854.1	3877.8	*4036.4*	4046.1	4397.5	4336.9	4015.5	4156.8	4802.4
55°	3973.8	3990.5	4048.9	4103.2	*4342.5*	4352.3	4755.8	4663.2	4247.9	4449.0	5109.9
57.5°	4114.3	4090.7	4199.9	4305.6	*4633.3*	4659.1	5104.3	4977.7	4453.8	4700.8	5320.7
60°	4316.1	4299.4	4384.3	4540.8	*4958.9*	4999.9	5473.0	5260.8	4604.8	4900.5	5361.7
62.5°	4725.1	4683.4	4696.6	4835.1	*5369.4*	5423.6	5889.0	5507.8	4679.9	4978.4	5141.9
65°	5336.7	5265.0	5198.2	5294.2	*5947.5*	6001.0	6358.6	5701.9	4652.1	4827.4	4558.2
67.5°	6106.8	6035.8	5953.7	6044.2	*6799.0*	6841.4	6938.1	5811.1	4433.0	4245.8	3526.5
70°	6742.0	6715.5	6813.6	7185.8	*8159.1*	8160.5	7681.1	5720.7	3832.6	3010.3	2040.5
72.5°	6657.8	6641.8	7158.7	8309.3	*9873.3*	9836.4	8384.5	5036.1	2581.7	1358.0	764.6
75°	*5461.9*	*5565.5*	*6366.3*	*8289.2*	*10489.0*	*10484.1*	*7953.8*	*3201.6*	*1067.9*	*562.8*	*395.2*
77.5°	2928.9	3093.0	4133.1	6120.0	*8188.3*	8311.4	5592.0	1120.1	458.5	360.4	273.4
80°	955.2	1098.5	1647.4	3116.0	*5320.7*	5297.7	2396.7	439.7	313.8	255.3	189.2
82.5°	405.6	422.3	736.0	1471.4	*2730.6*	2688.2	763.2	252.5	220.5	174.6	116.9
85°	158.6	177.4	324.9	680.4	*1182.7*	1156.9	275.5	125.2	141.2	114.1	69.6
87.5°	52.2	63.3	116.2	233.1	*368.0*	354.8	67.5	43.1	61.2	52.2	25.0
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°	1714.9	1714.9	1714.9	1714.9	1714.9	1714.9	1714.9	1714.9	1714.9	1714.9	1714.9
2.5°	1729.5	1740.6	1753.8	1773.3	1790.0	1803.9	1818.5	1827.6	1831.1	1841.5	1840.8
5°	1742.0	1766.4	1799.1	1831.1	1862.4	1881.2	1897.8	1906.2	1913.8	1919.4	1920.8
7.5°	1762.9	1794.2	1845.7	1887.4	1913.8	1929.2	1940.3	1937.5	1940.3	1941.7	1943.8
10°	1781.0	1824.8	1886.0	1925.7	1945.9	1946.5	1943.8	1934.0	1929.2	1929.9	1931.2
12.5°	1802.5	1851.2	1917.3	1950.7	1956.3	1941.0	1929.2	1912.5	1906.2	1903.4	1902.0
15°	1831.8	1887.4	1951.4	1963.9	1950.0	1930.5	1910.4	1883.2	1869.3	1858.2	1861.7
17.5°	1867.2	1928.5	1977.9	1968.8	1938.9	1906.9	1874.2	1833.1	1804.6	1792.8	1793.5
20°	1916.6	1971.6	1998.0	1958.4	1913.2	1864.5	1808.8	1758.7	1732.3	1720.4	1719.1
22.5°	1976.5	2029.3	2017.5	1940.3	1876.3	1798.4	1728.8	1691.9	1678.7	1670.4	1671.7
25°	2048.1	2093.3	2031.4	1913.8	1815.8	1710.7	1657.1	1645.3	1639.1	1632.8	1632.8
27.5°	2141.3	2165.7	2041.9	1874.9	1721.1	1617.5	1598.0	1600.1	1598.0	1587.6	1589.7
30°	2264.5	2259.6	2051.6	1811.6	1612.6	1533.3	1534.7	1543.7	1545.1	1538.2	1541.7
32.5°	2426.6	2377.2	2056.5	1729.5	1509.0	1459.6	1461.0	1470.7	1477.7	1465.8	1471.4
35°	2622.8	2514.2	2048.8	1626.5	1429.0	1389.3	1378.9	1381.6	1383.7	1372.6	1380.3
37.5°	2851.6	2668.0	2014.7	1512.4	1362.9	1320.4	1298.2	1279.4	1268.2	1257.8	1264.8
40°	3102.8	2835.6	1952.1	1401.1	1289.1	1247.4	1214.0	1178.5	1140.9	1127.0	1133.3
42.5°	3365.8	3008.2	1876.3	1294.7	1204.2	1170.2	1134.7	1083.2	1026.8	998.3	1001.8
45°	3638.5	3184.9	1801.8	1189.6	1117.3	1102.7	1061.6	999.7	938.5	902.3	899.5
47.5°	3905.6	3351.8	1692.6	1083.9	1035.9	1051.9	1019.9	962.8	894.7	837.6	831.4
50°	4160.9	3508.4	1513.8	976.8	969.8	1036.6	1006.0	923.9	846.0	772.9	766.7
52.5°	4414.2	3635.0	1284.9	879.4	934.3	1032.4	987.9	897.4	802.1	725.6	717.3
55°	4629.1	3700.4	1064.4	795.9	882.8	996.9	966.3	866.1	740.2	658.8	651.9
57.5°	4751.6	3647.5	880.7	713.8	811.9	938.5	929.4	799.4	666.5	603.9	595.5
60°	4698.7	3433.2	730.5	642.1	744.4	875.2	865.4	733.3	610.1	551.0	542.6
62.5°	4407.2	3024.9	611.5	579.5	683.2	810.5	801.4	682.5	567.0	509.9	500.9
65°	3820.0	2460.7	519.0	527.3	621.3	732.6	745.8	640.0	532.9	477.2	468.2
67.5°	2913.6	1782.4	446.6	482.1	560.7	656.0	694.3	609.4	504.4	451.5	443.2
70°	1660.6	1012.2	385.4	438.3	507.2	585.1	654.6	585.1	473.8	429.9	424.4
72.5°	629.6	464.7	333.2	394.5	455.7	525.2	610.8	546.8	438.3	405.6	400.0
75°	*336.0*	*283.1*	*280.4*	*343.0*	*396.5*	*466.8*	*555.9*	*509.2*	*411.8*	*428.5*	*442.5*
77.5°	228.9	200.4	234.4	293.6	331.8	402.1	497.4	452.2	356.9	355.5	327.7
80°	158.6	141.9	190.6	236.5	256.7	338.1	434.1	388.2	290.8	271.3	259.5
82.5°	95.3	92.5	142.6	176.7	181.6	260.9	359.7	325.6	237.9	207.3	208.7
85°	52.2	55.0	91.1	103.7	105.7	182.3	281.8	251.8	183.0	153.7	155.1
87.5°	14.6	18.8	33.4	41.0	50.8	94.6	167.7	149.6	91.8	64.0	64.0
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)