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: P1203386

Luminaire Tested: GWC-SB2C-735-U-T4FT-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203386
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2C-735-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV FORWARD THRC OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11338 lumens
Efficiency:	N/A
Efficacy:	112.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - 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

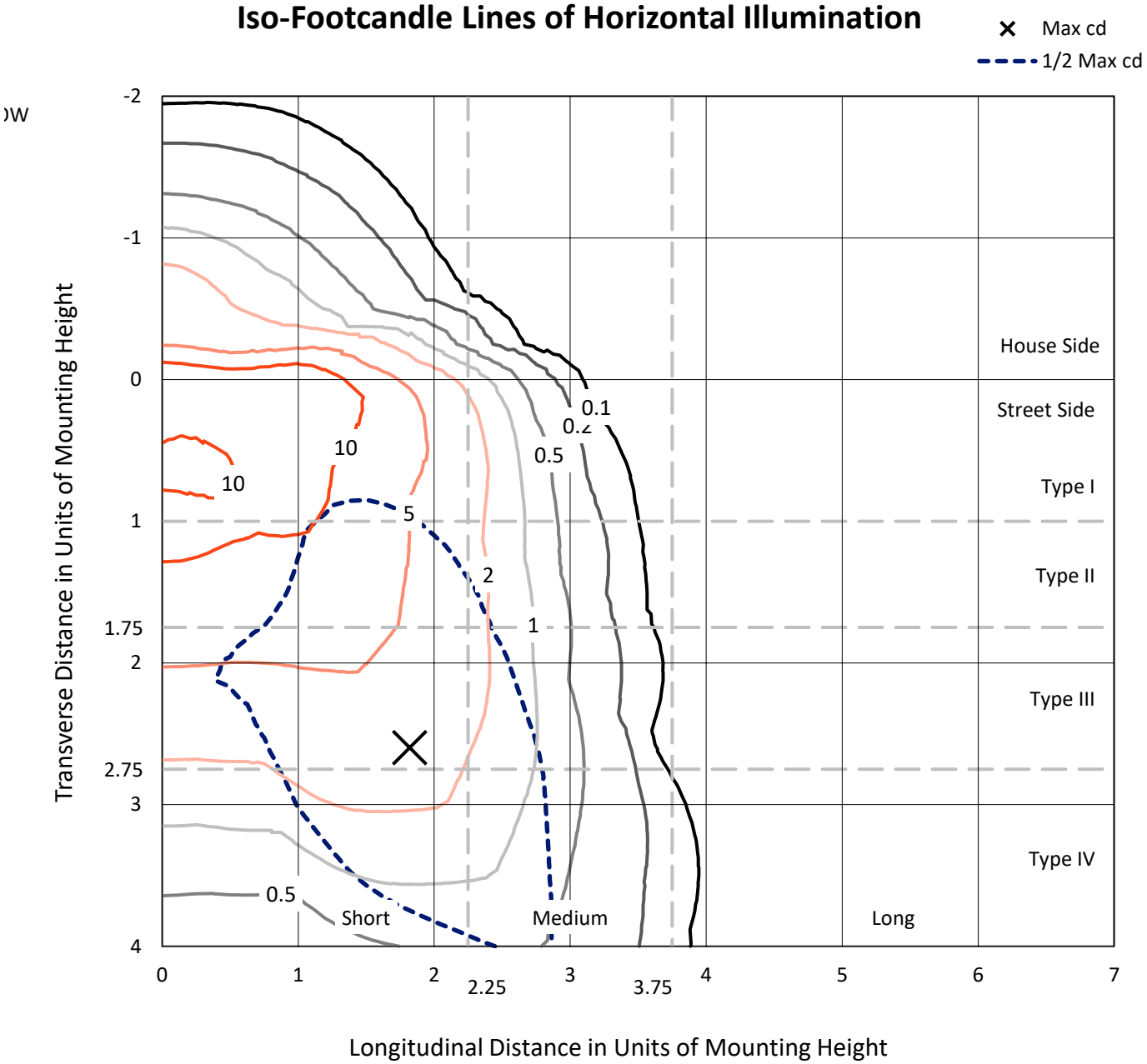


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Iso-Footcandle Lines of Horizontal Illumination



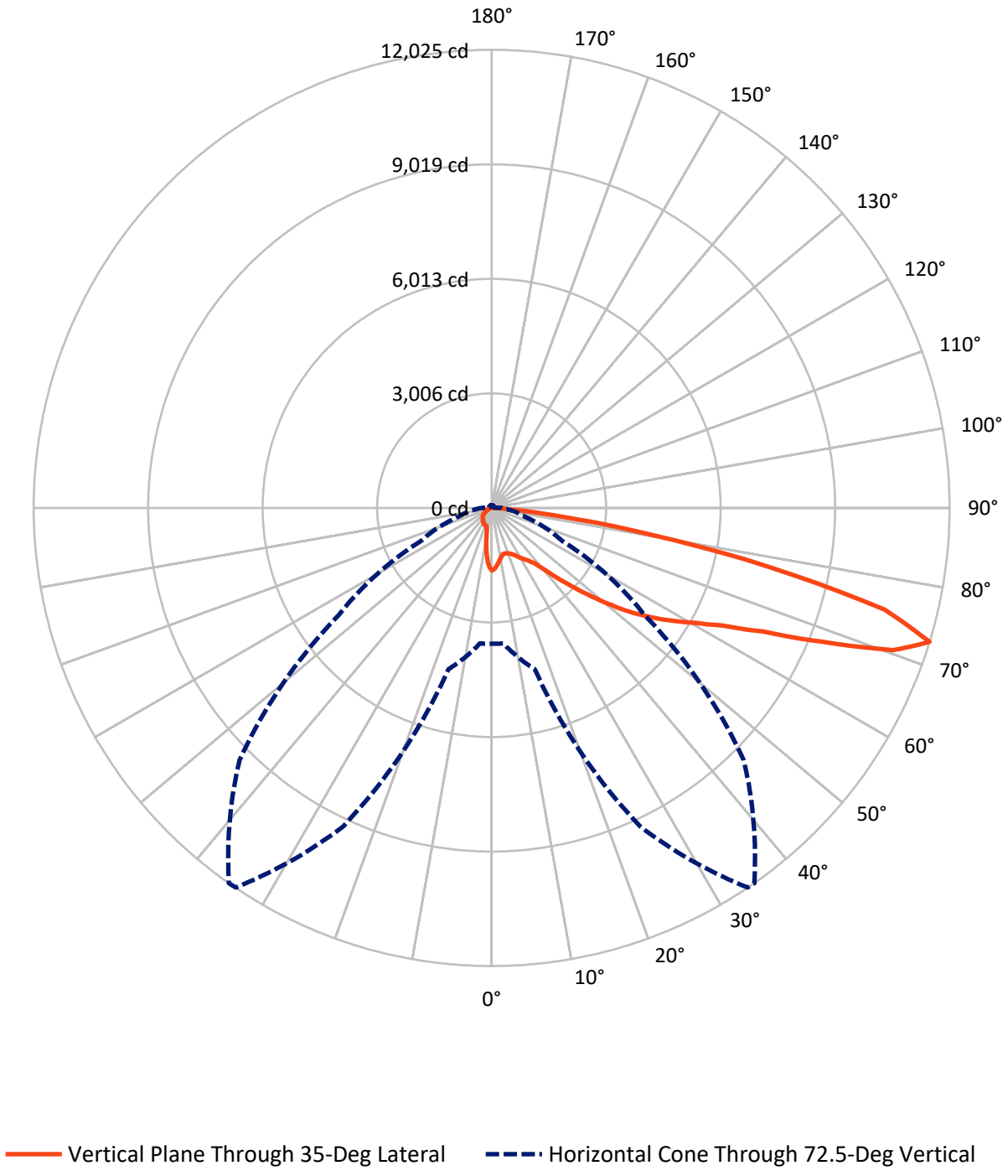
Based on 10 foot mounting height. Maximum calculated value = 16.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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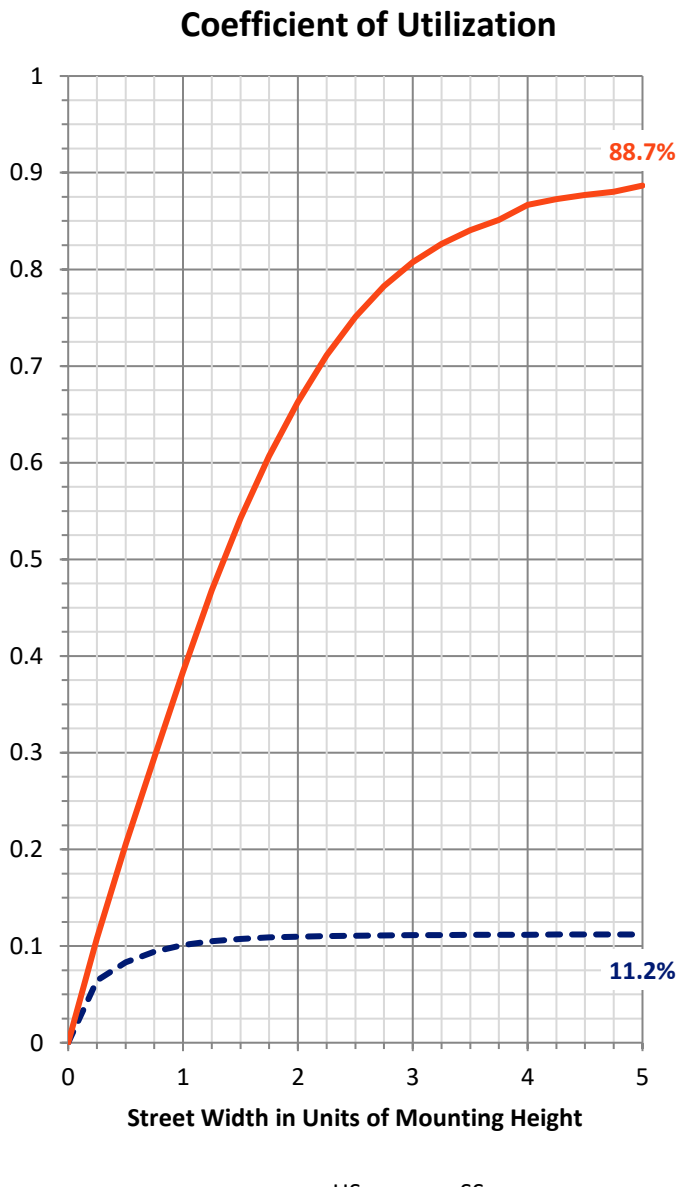
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1276.0	0.0	1276.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	10062.0	0.0	10062.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	11338.0	0.0	11338.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.0	1.2
10°-20°	315.9	2.8
20°-30°	513.2	4.5
30°-40°	856.2	7.6
40°-50°	1619.9	14.3
50°-60°	2574.1	22.7
60°-70°	3184.3	28.1
70°-80°	1979.4	17.5
80°-90°	160.0	1.4
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°	11338.0	100.0
0°-180°	11338.0	100.0



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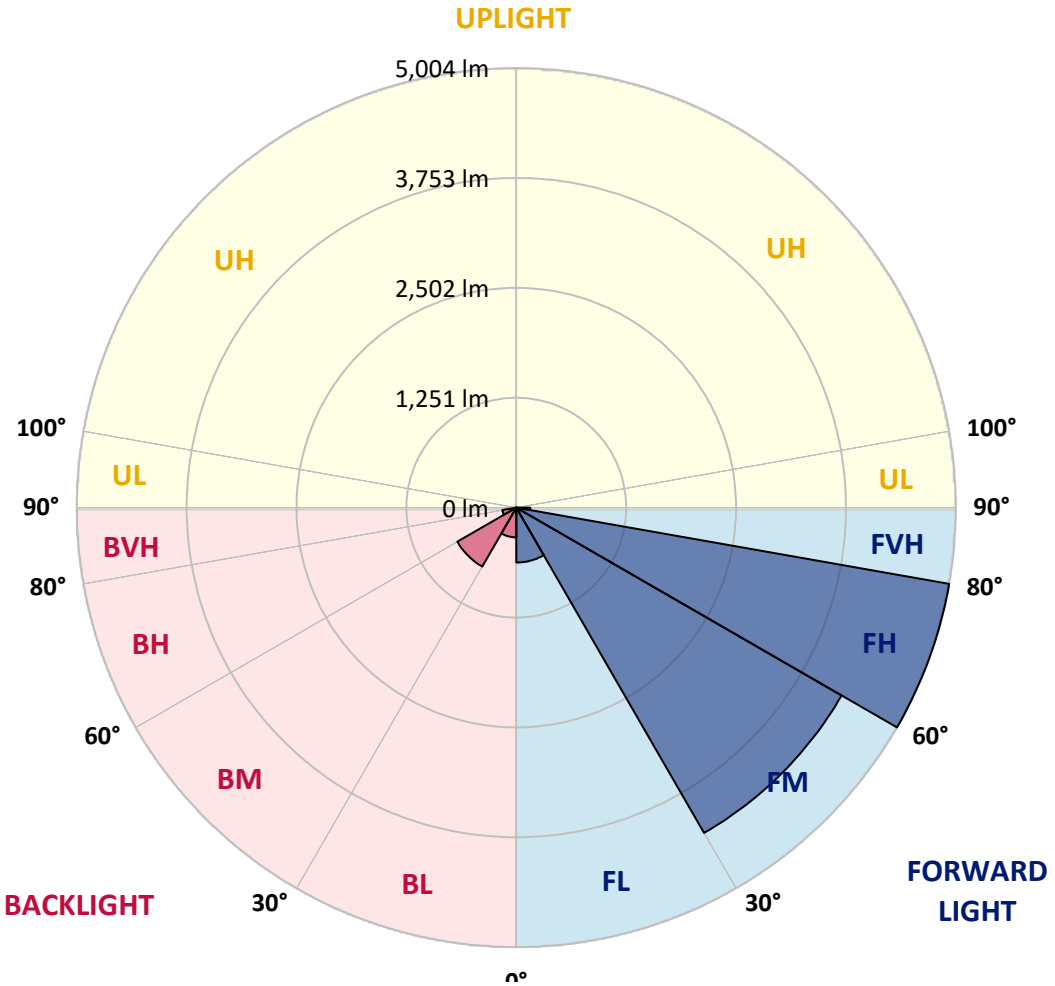
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	625.0	5.5			
FM	(30°-60°)	4275.6	37.7			
FH	(60°-80°)	5003.6	44.1			G3/7500
FVH	(80°-90°)	157.8	1.4			G2/225
BL	(0°-30°)	339.1	3.0	B1/500		
BM	(30°-60°)	774.7	6.8	B1/1000		
BH	(60°-80°)	160.1	1.4	B1/500		G1/500
BVH	(80°-90°)	2.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1643.3	1643.3	1643.3	1643.3	1643.3	*1643.3*	1643.3	1643.3	1643.3	1643.3	1643.3
2.5°	1570.1	1583.4	1585.9	1590.1	1590.1	*1595.1*	1603.4	1615.0	1634.1	1644.1	1650.7
5°	1447.2	1457.2	1469.6	1479.6	1498.7	*1501.2*	1533.6	1565.2	1609.2	1642.4	1665.7
7.5°	1323.4	1335.0	1351.7	1375.7	1400.7	*1408.1*	1457.2	1510.3	1580.1	1642.4	1681.5
10°	1236.2	1237.0	1252.0	1276.1	1315.9	*1325.1*	1384.9	1460.5	1547.7	1632.5	1696.4
12.5°	1187.2	1193.0	1199.6	1217.9	1256.1	*1261.9*	1325.9	1414.8	1515.3	1626.6	1713.9
15°	1187.2	1191.3	1195.5	1204.6	1235.3	*1240.3*	1296.8	1385.7	1498.7	1629.1	1742.1
17.5°	1199.6	1206.3	1203.0	1213.8	1246.1	*1249.5*	1299.3	1377.4	1497.9	1644.9	1785.3
20°	1229.5	1234.5	1227.9	1234.5	1266.9	*1273.6*	1325.1	1393.2	1512.0	1672.3	1839.3
22.5°	1276.9	1279.4	1263.6	1268.6	1301.8	*1310.1*	1369.9	1438.1	1546.1	1716.4	1911.6
25°	1336.7	1341.7	1317.6	1323.4	1355.0	*1364.9*	1433.9	1505.3	1600.1	1777.0	2003.8
27.5°	1405.7	1408.1	1387.4	1386.5	1427.3	*1441.4*	1511.2	1588.4	1672.3	1853.4	2120.1
30°	1484.6	1492.1	1472.1	1468.8	1520.3	*1531.9*	1600.9	1690.6	1778.7	1968.1	2285.4
32.5°	1546.9	1552.7	1541.1	1549.4	1601.7	*1610.9*	1709.7	1835.2	1945.7	2130.9	2510.6
35°	1636.6	1639.9	1613.3	1628.3	1688.1	*1711.4*	1858.4	2037.9	2155.8	2335.3	2804.7
37.5°	1961.4	1961.4	1848.5	1774.5	1831.8	*1852.6*	2062.0	2292.9	2415.0	2609.4	3175.2
40°	2410.9	2403.4	2238.1	2086.9	2079.4	*2120.1*	2351.9	2614.4	2749.8	2938.4	3592.2
42.5°	2890.2	2878.6	2653.5	2503.9	2479.0	*2493.1*	2686.7	3010.7	3148.6	3339.7	4040.8
45°	3315.6	3312.3	3106.2	2905.2	2860.3	*2905.2*	3104.6	3474.3	3573.1	3774.2	4488.6
47.5°	3672.0	3672.0	3521.6	3390.4	3367.1	*3393.7*	3670.3	3988.5	3979.4	4236.9	4924.8
50°	4082.4	4079.1	3936.2	3879.7	3903.8	*3941.2*	4321.6	4530.2	4399.7	4691.3	5314.4
52.5°	4369.8	4389.8	4340.8	4331.6	4454.6	*4519.4*	4982.9	5060.2	4776.1	5122.5	5606.0
55°	4597.5	4620.7	4677.2	4741.2	4978.0	*5062.7*	5623.5	5562.8	5090.9	5496.4	5773.8
57.5°	4919.8	4886.6	4973.8	5100.1	5483.1	*5585.2*	6244.0	6037.2	5344.3	5799.6	5792.1
60°	5311.1	5316.1	5331.0	5490.5	5987.3	*6118.6*	6855.5	6485.8	5507.2	5985.7	5589.4
62.5°	5781.3	5788.8	5819.5	6064.6	6664.4	*6788.2*	7506.8	6853.0	5581.9	5933.3	5066.0
65°	5748.9	5780.5	6123.6	6961.8	7693.7	*7815.9*	8267.0	7110.5	5468.9	5454.8	4124.8
67.5°	5237.2	5288.7	5862.7	8033.5	9245.6	*9381.8*	9185.8	7161.2	4981.3	4241.9	2690.9
70°	4565.9	4584.2	5274.5	8997.2	11042.5	*11180.5*	10008.2	6603.8	3780.0	2366.0	1205.4
72.5°	*3565.7*	*3569.8*	*4379.8*	*9220.7*	*12017.9*	*12025.3*	*9362.7*	*4902.4*	*2032.9*	*908.9*	*418.7*
75°	2547.1	2522.2	2933.4	7477.7	10573.2	*10657.9*	7019.1	2299.6	776.8	429.5	208.5
77.5°	1365.8	1393.2	1659.9	4434.6	7304.1	*7448.7*	3829.8	663.0	395.4	292.4	137.9
80°	422.0	445.3	680.4	2030.4	4137.2	*4224.4*	1419.8	294.9	275.8	208.5	90.6
82.5°	132.9	137.9	317.4	853.2	1717.2	*1757.1*	411.2	167.0	188.6	137.9	53.2
85°	38.2	39.0	141.2	318.2	424.5	*432.8*	115.5	64.8	108.0	85.6	27.4
87.5°	4.2	13.3	53.2	53.2	37.4	*36.6*	12.5	14.1	30.7	10.8	5.0
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°	1643.3	1643.3	1643.3	1643.3	1643.3	1643.3	1643.3	1643.3	1643.3	1643.3	1643.3
2.5°	1646.6	1647.4	1636.6	1618.3	1598.4	1581.8	1561.0	1544.4	1532.8	1529.4	1535.3
5°	1658.2	1652.4	1621.7	1566.0	1499.5	1442.2	1378.2	1327.6	1294.3	1280.2	1285.2
7.5°	1675.7	1659.0	1591.7	1482.1	1355.0	1242.0	1127.4	1038.5	982.0	953.7	957.9
10°	1690.6	1657.4	1541.9	1360.8	1166.4	995.3	840.7	733.6	673.8	645.5	646.3
12.5°	1704.7	1656.5	1477.1	1217.1	953.7	744.4	600.6	547.5	530.9	525.0	523.4
15°	1731.3	1659.0	1395.7	1052.6	741.9	562.4	510.1	509.3	512.6	510.9	510.1
17.5°	1767.9	1661.5	1303.5	878.1	572.4	496.0	493.5	501.0	505.9	503.4	502.6
20°	1815.2	1671.5	1205.4	705.3	491.8	479.4	485.2	491.8	496.0	491.8	491.0
22.5°	1881.7	1688.9	1098.3	566.6	466.1	469.4	474.4	481.8	486.0	480.2	479.4
25°	1963.1	1716.4	992.8	492.6	453.6	457.8	465.2	473.5	478.5	472.7	471.9
27.5°	2068.6	1760.4	895.6	476.0	441.1	443.6	454.4	466.9	473.5	466.1	466.1
30°	2221.5	1832.7	811.7	483.5	433.7	427.8	442.8	460.2	467.7	461.1	460.2
32.5°	2424.2	1934.9	760.2	495.1	430.3	409.6	423.7	446.1	458.6	454.4	454.4
35°	2690.0	2090.2	740.2	508.4	427.8	390.5	400.4	424.5	446.1	450.3	450.3
37.5°	3012.4	2306.2	746.0	514.2	420.4	374.7	379.7	400.4	428.7	442.0	445.3
40°	3378.7	2557.9	779.3	508.4	412.1	361.4	362.2	378.0	402.9	422.9	429.5
42.5°	3756.7	2852.0	840.7	486.8	404.6	349.8	347.3	358.1	374.7	388.8	394.6
45°	4116.4	3154.4	901.4	456.9	395.4	338.1	332.3	336.5	339.8	345.6	348.9
47.5°	4430.5	3367.1	883.9	429.5	383.0	324.8	314.9	313.2	303.2	302.4	301.6
50°	4647.3	3413.6	785.1	402.1	364.7	309.9	294.1	284.1	266.7	258.4	259.2
52.5°	4716.3	3230.0	641.4	374.7	334.8	289.9	267.5	251.7	230.1	222.6	221.8
55°	4624.9	2870.3	512.6	341.4	293.3	263.4	238.4	217.7	200.2	191.1	191.1
57.5°	4401.4	2412.5	405.4	302.4	249.2	233.4	208.5	187.8	172.8	163.7	162.0
60°	4030.9	1915.7	320.7	255.9	212.7	201.0	175.3	162.0	148.7	137.9	135.4
62.5°	3468.5	1367.4	251.7	202.7	177.8	164.5	149.5	139.6	123.8	108.8	106.3
65°	2706.6	836.6	194.4	148.7	142.9	136.2	127.1	118.0	98.9	83.9	81.4
67.5°	1707.2	396.3	138.7	112.2	113.0	109.7	105.5	98.0	83.9	70.6	69.0
70°	751.8	191.9	91.4	85.6	83.9	83.9	87.2	84.7	71.4	59.0	56.5
72.5°	*255.9*	*103.0*	*68.1*	*64.8*	*60.6*	*59.8*	*73.1*	*70.6*	*57.3*	*45.7*	*43.2*
75°	133.8	69.0	49.8	46.5	36.6	44.0	58.2	54.8	40.7	29.9	27.4
77.5°	87.2	49.0	34.1	29.9	20.8	29.1	43.2	38.2	24.1	15.0	13.3
80°	54.8	32.4	19.9	14.1	10.0	15.8	23.3	16.6	9.1	3.3	2.5
82.5°	29.1	16.6	7.5	5.0	4.2	5.0	5.8	4.2	1.7	0.0	0.0
85°	11.6	5.8	2.5	1.7	0.8	0.0	1.7	0.8	0.0	0.0	0.0
87.5°	4.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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


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SS

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(END OF REPORT)