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: P1203846

Luminaire Tested: GWC-SB2D-827-U-T3-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203846
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-827-U-T3-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13875 lumens
Efficiency:	N/A
Efficacy:	94.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	147.6
Input Voltage (V):	120.0
Input Current (Ain):	1.234
Voltage Rise (V):	NR
Power Factor:	0.999
Total Harmonic Distortion (THDi):	3.108
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

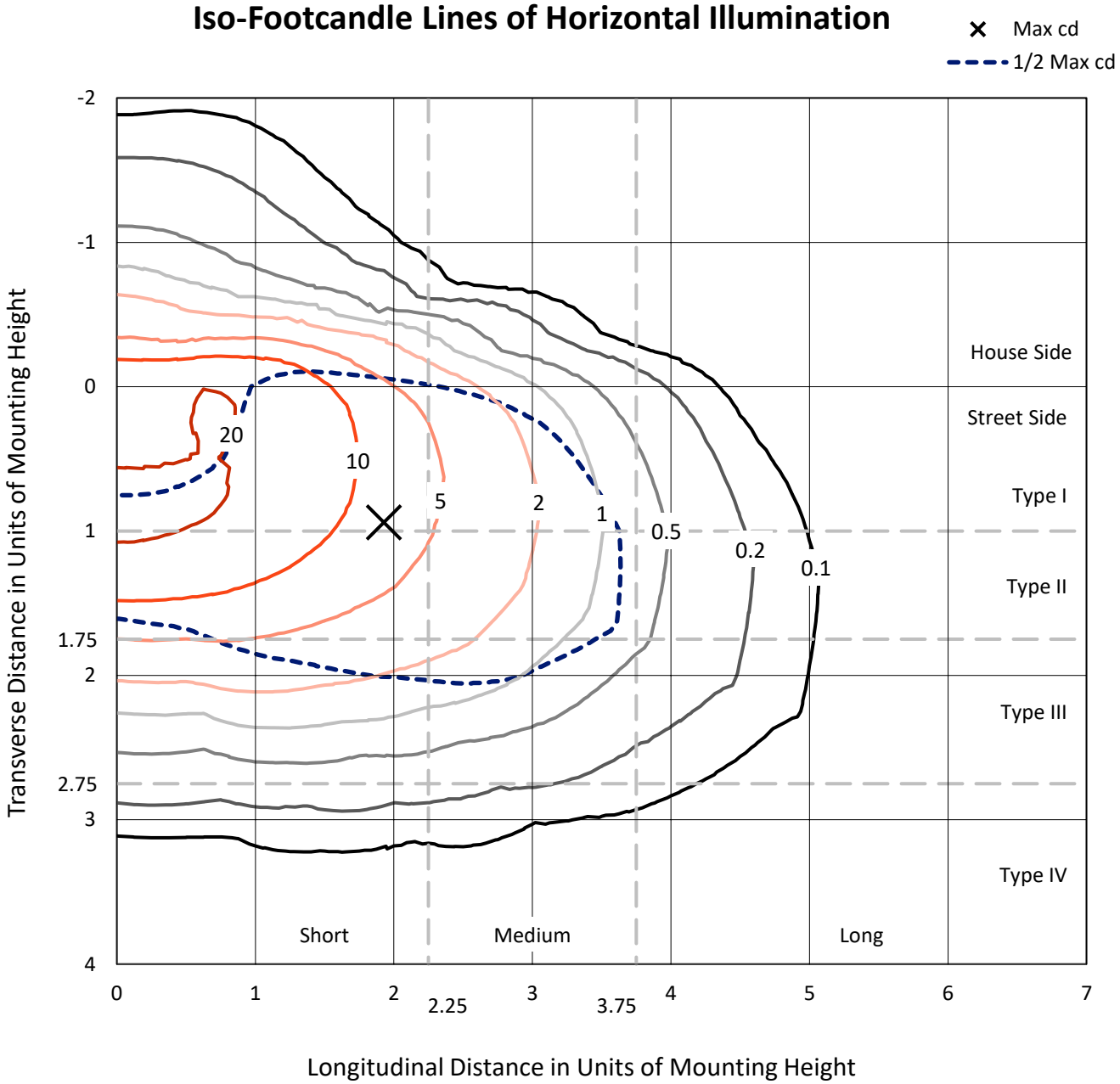


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Iso-Footcandle Lines of Horizontal Illumination



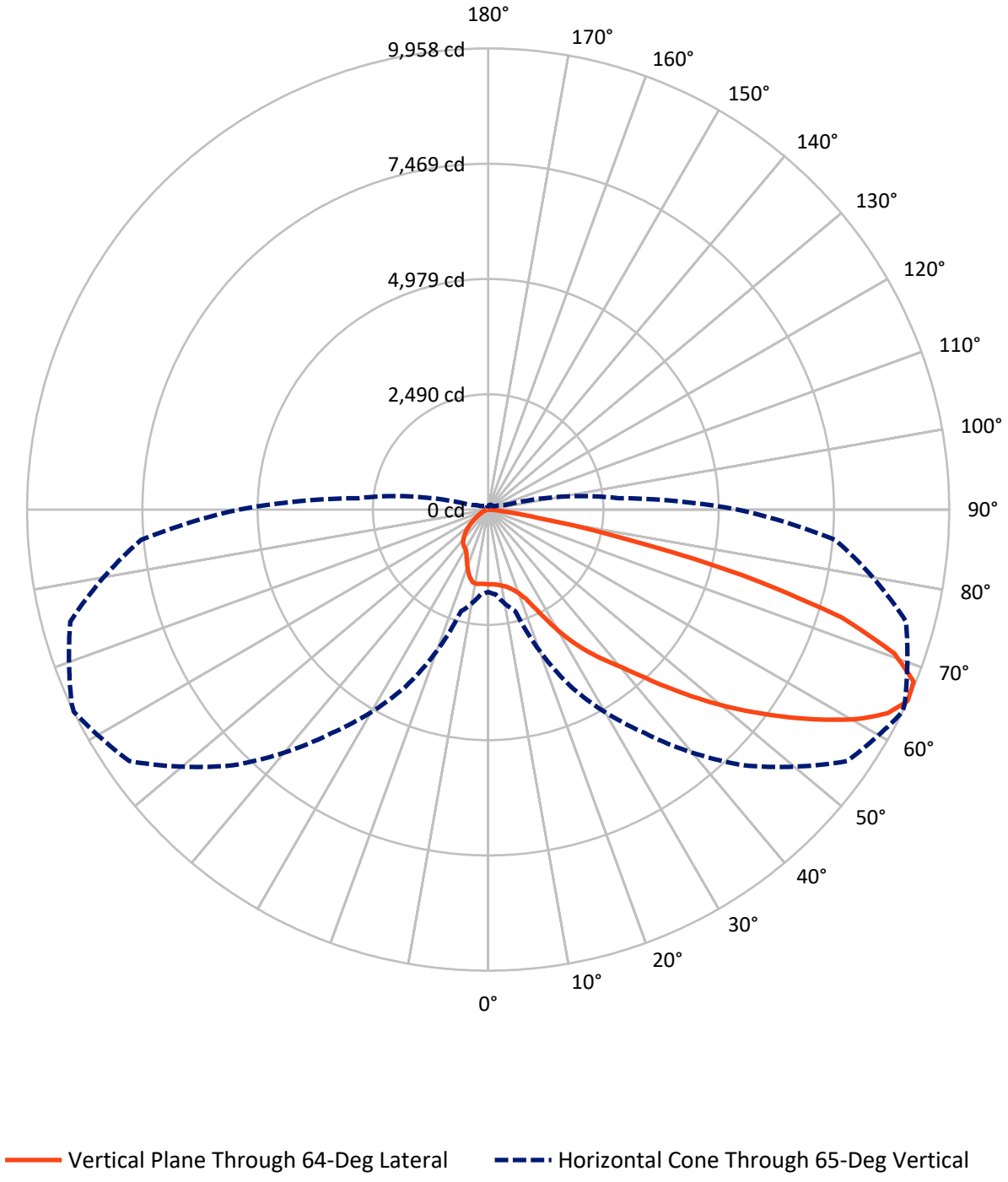
Based on 10 foot mounting height. Maximum calculated value = 25.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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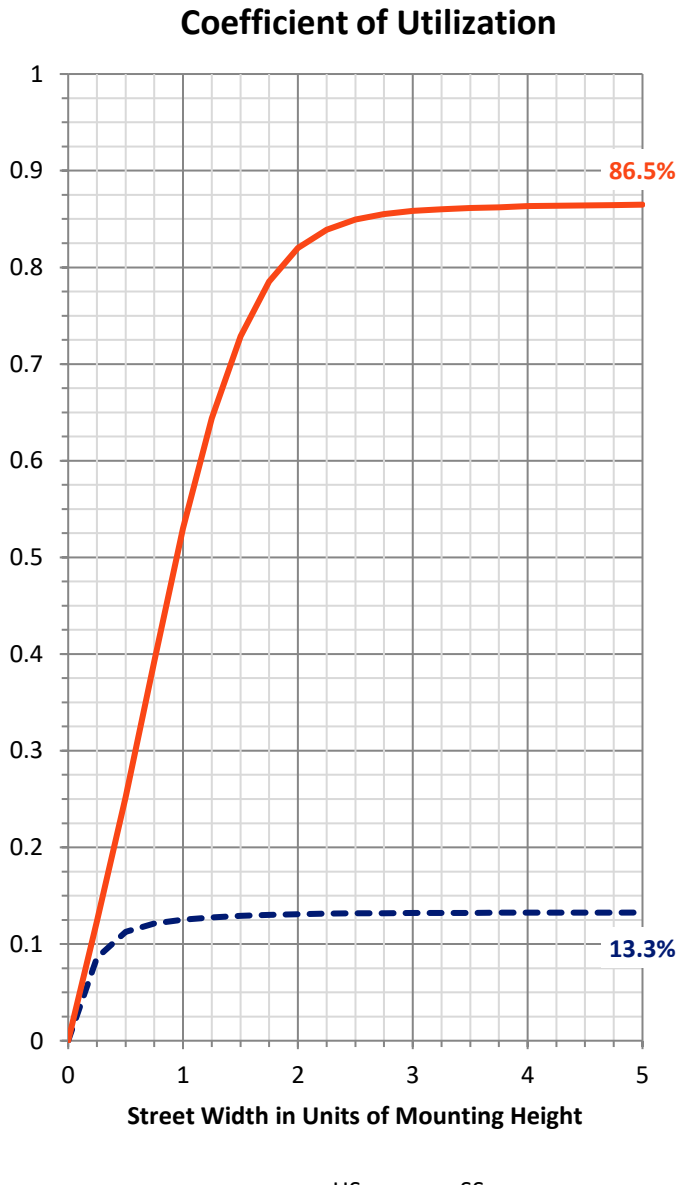
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1855.5	0.0	1855.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	12019.5	0.0	12019.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	13875.0	0.0	13875.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.9	1.1
10°-20°	403.8	2.9
20°-30°	765.2	5.5
30°-40°	1548.5	11.2
40°-50°	2637.8	19.0
50°-60°	3587.2	25.9
60°-70°	3368.6	24.3
70°-80°	1349.6	9.7
80°-90°	65.4	0.5
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°	13875.0	100.0
0°-180°	13875.0	100.0



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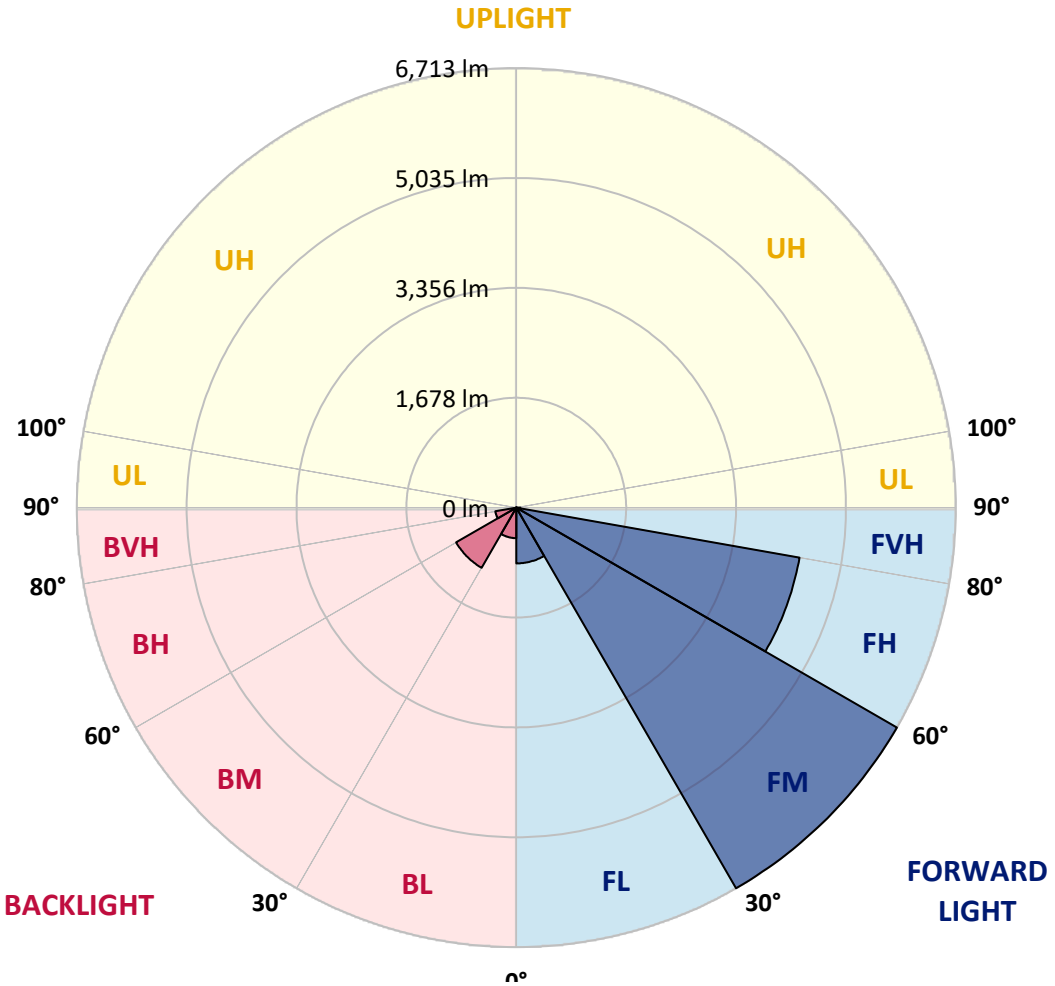
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	852.1	6.1			
FM	(30°-60°)	6712.7	48.4			
FH	(60°-80°)	4392.5	31.7			G2/5000
FVH	(80°-90°)	62.2	0.4			G1/100
BL	(0°-30°)	465.9	3.4	B1/500		
BM	(30°-60°)	1060.8	7.6	B2/2500		
BH	(60°-80°)	325.7	2.3	B1/500		G1/500
BVH	(80°-90°)	3.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1613.8	1613.8	1613.8	1613.8	1613.8	1613.8	1613.8	*1613.8*	1613.8	1613.8	1613.8
2.5°	1608.2	1619.4	1616.6	1613.8	1612.9	1614.7	1615.7	*1614.7*	1614.7	1614.7	1615.7
5°	1577.5	1586.8	1586.8	1593.3	1602.6	1613.8	1622.2	*1624.0*	1625.9	1628.7	1627.8
7.5°	1518.9	1526.4	1532.0	1553.3	1576.6	1606.4	1631.5	*1644.5*	1646.4	1656.6	1660.3
10°	1478.9	1488.2	1497.5	1519.9	1553.3	1598.0	1640.8	*1672.4*	1677.1	1701.2	1712.4
12.5°	1477.1	1486.4	1498.5	1522.7	1561.7	1609.2	1661.2	*1706.8*	1715.2	1750.5	1773.8
15°	1496.6	1507.8	1518.9	1548.7	1590.6	1648.2	1704.0	*1760.8*	1769.1	1819.4	1844.5
17.5°	1536.6	1551.5	1559.9	1589.6	1634.3	1698.5	1771.9	*1837.0*	1844.5	1903.1	1934.7
20°	1615.7	1633.3	1636.1	1660.3	1704.0	1772.9	1860.3	*1941.2*	1950.5	2017.5	2052.8
22.5°	1779.4	1804.5	1782.2	1794.3	1833.3	1902.2	1997.0	*2099.3*	2112.4	2188.6	2220.3
25°	2067.7	2103.1	2045.4	2024.9	2041.7	2113.3	2232.4	*2361.6*	2376.5	2437.9	2453.7
27.5°	2634.2	2588.6	2501.2	2415.6	2365.4	2406.3	2540.2	*2700.2*	2718.8	2778.4	2759.7
30°	3256.4	3216.5	3098.3	2908.6	2789.5	2783.0	2906.7	*3085.3*	3106.7	3163.4	3106.7
32.5°	3879.6	3841.5	3713.2	3479.7	3273.2	3170.9	3256.4	*3454.6*	3465.7	3502.0	3418.3
35°	4492.6	4453.5	4325.2	4086.1	3832.2	3599.7	3582.9	*3806.2*	3809.9	3848.0	3723.4
37.5°	5109.3	5076.7	4940.0	4705.6	4455.4	4134.5	3979.2	*4139.2*	4143.8	4181.0	4051.7
40°	5549.3	5563.2	5469.3	5287.9	5073.0	4722.4	4423.8	*4493.5*	4465.6	4528.0	4450.8
42.5°	5926.9	5954.8	5873.0	5781.8	5657.2	5348.4	4974.4	*4962.3*	4917.7	4951.2	4871.2
45°	6253.4	6276.6	6203.2	6181.8	6179.0	5962.2	5576.2	*5503.7*	5441.4	5434.9	5339.0
47.5°	6373.4	6418.0	6449.6	6521.3	6660.8	6569.6	6198.5	*6086.0*	6016.2	5965.0	5813.4
50°	6419.0	6466.4	6574.3	6782.6	7112.8	7151.9	6818.0	*6691.5*	6605.9	6512.9	6289.7
52.5°	6357.6	6442.2	6587.3	6938.0	7417.0	7618.8	7412.3	*7301.7*	7204.0	7052.4	6721.2
55°	5995.7	6080.4	6377.1	6936.1	7568.6	7946.3	7974.2	*7924.9*	7815.1	7576.1	7070.1
57.5°	5233.0	5358.6	5828.3	6699.9	7565.8	8228.1	8524.8	*8560.2*	8437.4	8095.1	7344.4
60°	4176.4	4346.6	4919.6	6176.2	7332.4	8380.6	9007.6	*9184.3*	9054.1	8606.7	7566.8
62.5°	2914.2	3111.3	3653.6	5355.8	6798.5	8270.9	9360.1	*9686.6*	9588.0	9064.3	7652.3
65°	*1777.5*	*1840.8*	*2277.9*	*4214.5*	*5890.6*	*7811.4*	*9468.9*	*9958.2*	*9925.6*	*9344.3*	*7525.8*
67.5°	1184.1	1237.1	1362.7	2890.0	4572.6	6893.3	9208.5	*9910.7*	9920.0	9298.7	7062.6
70°	713.4	759.0	840.9	1680.8	2963.5	5456.2	8402.0	*9306.1*	9360.1	8689.4	6184.6
72.5°	293.9	324.6	399.0	761.8	1534.7	3462.9	6690.6	*7990.0*	8115.5	7306.3	4746.5
75°	166.5	182.3	234.4	382.3	666.0	1613.8	4052.7	*5672.0*	5857.1	5035.8	2855.6
77.5°	110.7	118.1	151.6	247.4	374.8	550.6	1731.9	*2955.1*	3308.5	2750.4	1236.2
80°	74.4	80.9	104.2	165.6	243.7	236.3	551.6	*1094.8*	1346.9	945.0	301.4
82.5°	50.2	51.2	74.4	108.8	154.4	114.4	162.8	*340.4*	427.9	273.5	114.4
85°	28.8	27.9	54.9	63.3	68.8	47.4	49.3	*102.3*	133.9	115.3	65.1
87.5°	3.7	5.6	21.4	16.7	9.3	10.2	10.2	*17.7*	26.0	27.9	14.0
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°	1613.8	1613.8	1613.8	1613.8	1613.8	1613.8	1613.8	1613.8	1613.8	1613.8	1613.8
2.5°	1615.7	1614.7	1611.9	1609.2	1602.6	1598.9	1600.8	1598.9	1598.0	1598.9	1602.6
5°	1627.8	1625.0	1617.5	1608.2	1595.2	1579.4	1569.2	1554.3	1540.3	1532.0	1533.8
7.5°	1660.3	1657.5	1647.3	1621.2	1579.4	1513.4	1452.9	1399.9	1359.9	1336.6	1337.6
10°	1712.4	1707.8	1691.9	1634.3	1524.5	1380.3	1260.4	1160.8	1095.7	1065.0	1062.2
12.5°	1773.8	1768.2	1740.3	1622.2	1420.3	1195.2	1029.7	919.0	858.5	831.6	828.8
15°	1846.3	1838.9	1784.0	1564.5	1268.7	990.6	839.0	756.2	717.1	693.0	693.9
17.5°	1936.6	1923.5	1816.6	1478.0	1104.1	834.3	721.8	659.5	625.1	601.8	599.9
20°	2053.8	2032.4	1842.6	1374.8	952.5	735.7	642.7	590.6	564.6	544.1	540.4
22.5°	2217.5	2186.8	1874.2	1263.1	845.5	667.8	584.1	546.0	524.6	501.3	497.6
25°	2420.2	2384.0	1913.3	1159.9	772.0	609.2	541.3	509.7	484.6	457.6	454.8
27.5°	2703.9	2638.8	1959.8	1075.3	708.8	559.0	502.3	466.9	438.1	415.8	411.1
30°	3020.2	2913.2	2000.7	1024.1	651.1	512.5	451.1	415.8	388.8	373.0	370.2
32.5°	3319.7	3174.6	2027.7	1001.8	599.0	459.5	395.3	357.2	336.7	332.1	334.9
35°	3602.5	3410.9	2024.9	980.4	552.5	406.5	340.4	301.4	285.6	288.3	288.3
37.5°	3928.0	3662.9	2005.4	946.9	514.4	358.1	293.0	258.6	244.6	245.6	249.3
40°	4306.6	3954.1	1993.3	883.6	472.5	313.5	253.9	226.0	215.8	212.1	211.1
42.5°	4710.3	4235.9	1995.2	812.0	420.4	273.5	227.0	203.7	194.4	191.6	190.7
45°	5115.8	4504.7	1998.0	737.6	365.5	242.8	207.4	187.9	182.3	178.6	178.6
47.5°	5497.2	4733.5	1945.9	657.6	311.6	219.5	191.6	178.6	173.9	169.3	169.3
50°	5852.5	4886.1	1820.3	564.6	268.8	200.9	179.5	170.2	165.6	160.9	160.9
52.5°	6128.7	4910.3	1612.9	468.8	239.0	187.0	172.1	163.7	158.1	153.5	152.5
55°	6251.5	4758.6	1318.0	379.5	215.8	174.9	164.6	156.3	149.8	145.1	144.2
57.5°	6219.9	4439.6	1027.8	305.1	193.5	162.8	155.3	149.8	142.3	134.9	133.9
60°	6064.6	4012.7	774.8	253.9	173.0	149.8	145.1	140.5	130.2	119.1	117.2
62.5°	5795.8	3476.0	552.5	210.2	150.7	134.9	133.0	129.3	114.4	93.9	92.1
65°	*5384.6*	*2823.9*	*372.1*	*174.9*	*129.3*	*118.1*	*119.1*	*112.5*	*93.0*	*69.8*	*67.9*
67.5°	4783.8	2064.9	238.1	143.2	107.9	98.6	99.5	95.8	79.1	59.5	56.7
70°	4018.2	1367.3	155.3	108.8	86.5	76.3	81.9	82.8	67.0	48.4	46.5
72.5°	2945.8	807.4	108.8	80.9	63.3	53.0	67.0	68.8	53.9	36.3	34.4
75°	1678.9	383.2	81.9	58.6	39.1	37.2	52.1	52.1	37.2	24.2	22.3
77.5°	705.1	160.0	57.7	38.1	22.3	21.4	35.3	32.6	18.6	11.2	11.2
80°	203.7	71.6	30.7	18.6	9.3	8.4	14.0	10.2	4.7	1.9	1.9
82.5°	80.0	31.6	12.1	7.4	3.7	3.7	1.9	0.0	0.0	0.0	0.0
85°	47.4	13.0	5.6	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.1	2.8	1.9	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


HS
SS

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(END OF REPORT)