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: P1203838

Luminaire Tested: GWC-SB2D-827-U-SL4-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203838
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-827-U-SL4-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12351 lumens
Efficiency:	N/A
Efficacy:	83.7 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):	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

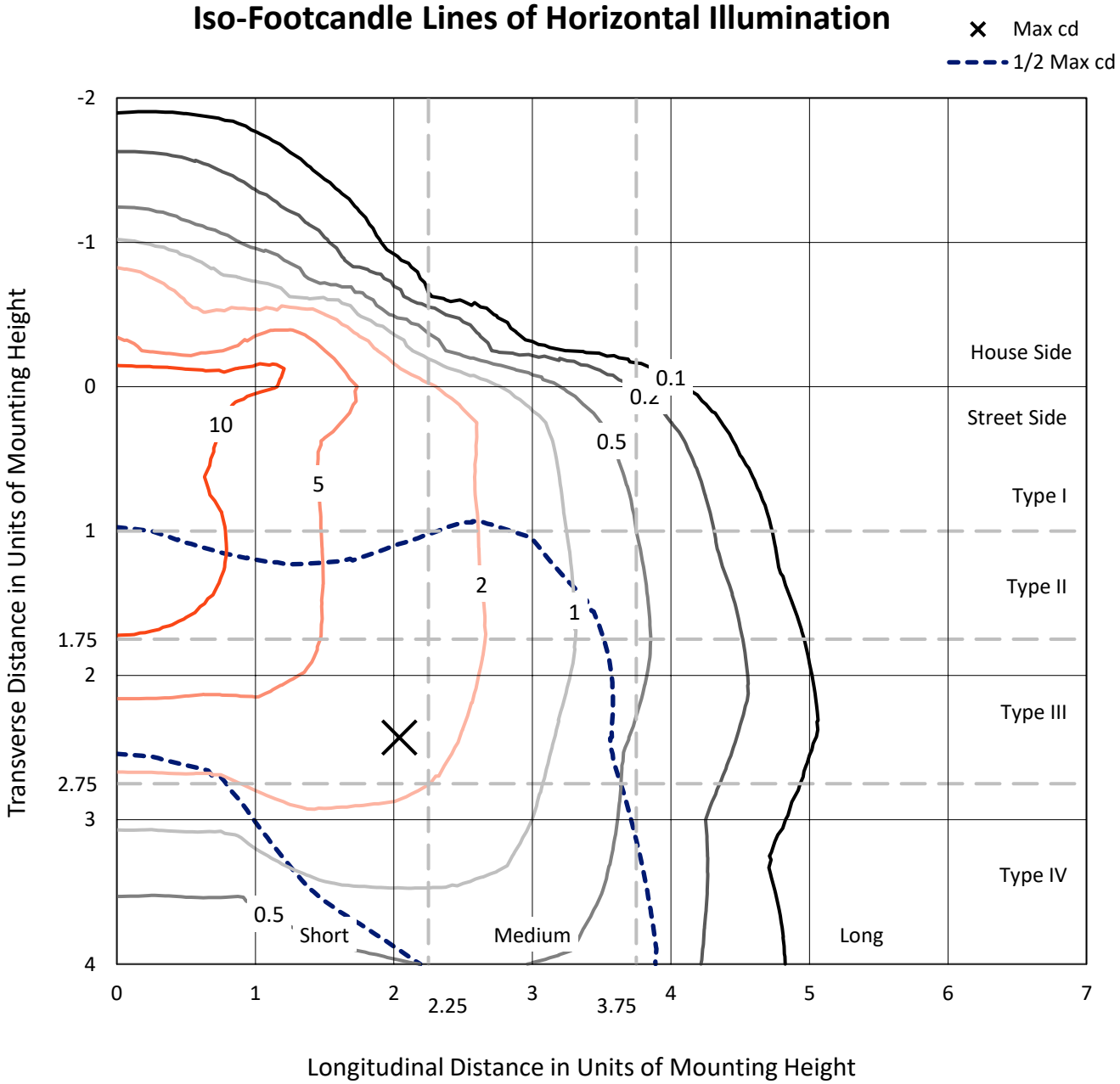


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Iso-Footcandle Lines of Horizontal Illumination



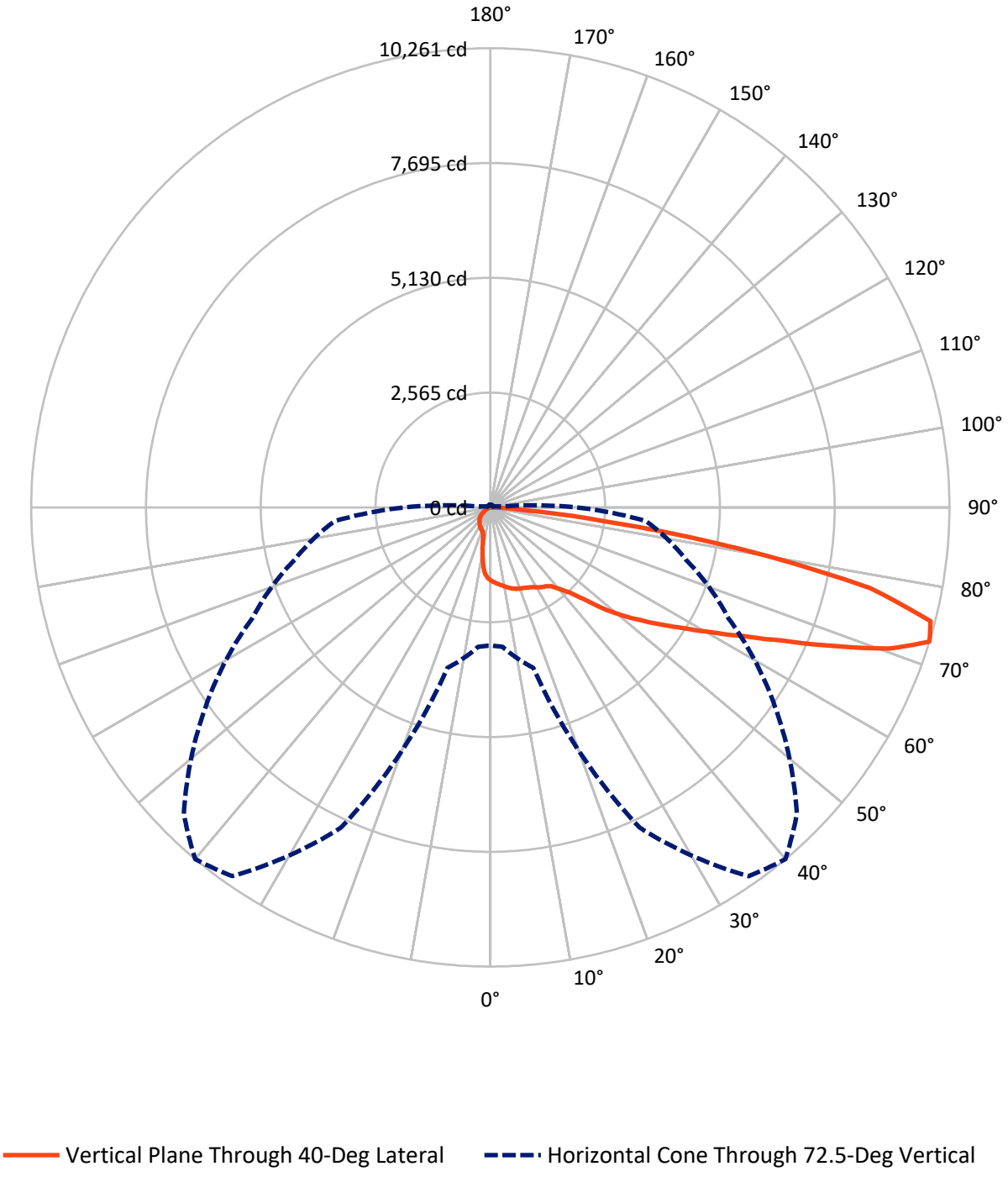
Based on 10 foot mounting height. Maximum calculated value = 18.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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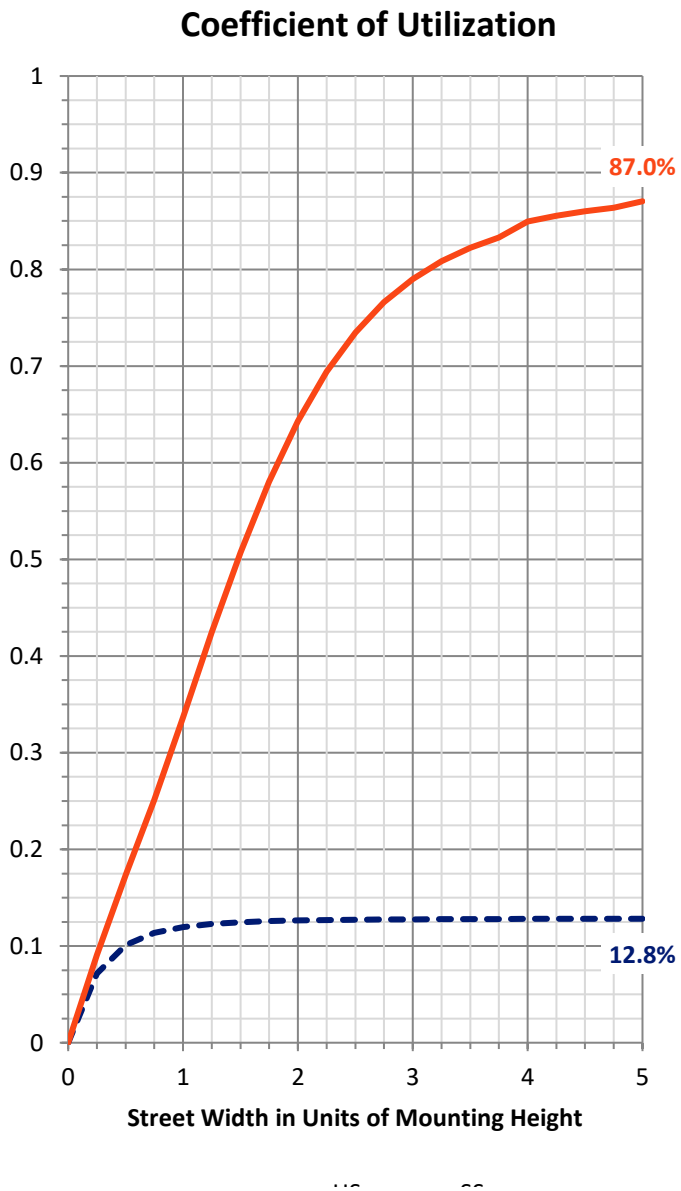
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1595.0	0.0	1595.0
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	10756.0	0.0	10756.0
	% Fixture	87.1	0.0	87.1
Total	Lumens	12351.0	0.0	12351.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.4	1.2
10°-20°	405.6	3.3
20°-30°	656.3	5.3
30°-40°	968.9	7.8
40°-50°	1630.7	13.2
50°-60°	2532.0	20.5
60°-70°	3168.3	25.7
70°-80°	2593.9	21.0
80°-90°	246.0	2.0
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°	12351.0	100.0
0°-180°	12351.0	100.0



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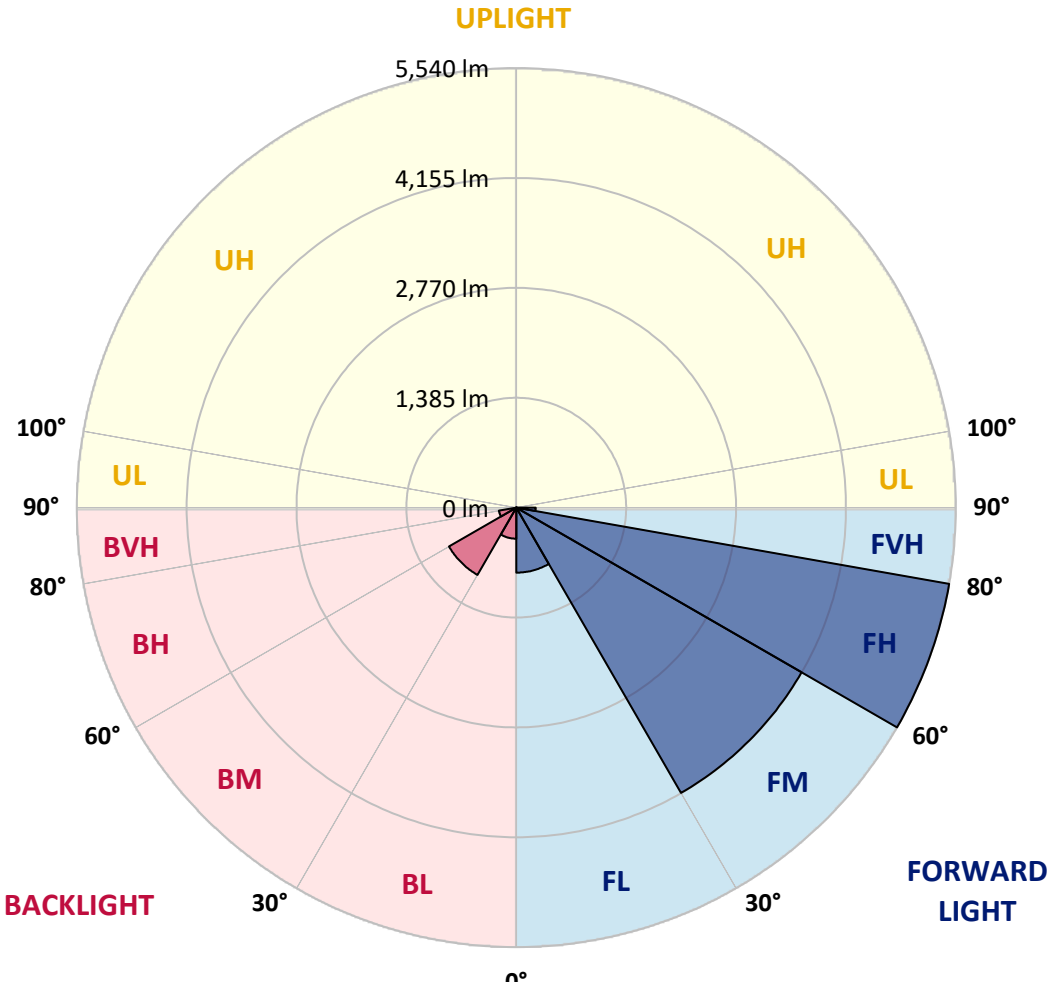
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	819.7	6.6			
FM	(30°-60°)	4152.2	33.6			
FH	(60°-80°)	5540.0	44.9			G3/7500
FVH	(80°-90°)	244.1	2.0			G3/500
BL	(0°-30°)	391.5	3.2	B1/500		
BM	(30°-60°)	979.4	7.9	B1/1000		
BH	(60°-80°)	222.2	1.8	B1/500		G1/500
BVH	(80°-90°)	1.9	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°	35°	40°	45°	55°	65°	75°	85°
0°	1635.4	1635.4	1635.4	1635.4	1635.4	*1635.4*	1635.4	1635.4	1635.4	1635.4	1635.4
2.5°	1684.7	1691.2	1687.5	1680.0	1678.2	*1674.4*	1669.8	1667.9	1661.4	1655.8	1649.3
5°	1732.1	1738.6	1734.0	1723.7	1719.1	*1714.4*	1707.9	1702.4	1689.3	1677.2	1662.3
7.5°	1784.2	1789.8	1784.2	1769.3	1761.9	*1756.3*	1747.0	1738.6	1723.7	1706.1	1687.5
10°	1841.9	1846.5	1838.2	1818.6	1806.5	*1798.2*	1789.8	1780.5	1766.5	1747.0	1724.7
12.5°	1895.8	1901.4	1888.4	1865.1	1851.2	*1842.8*	1833.5	1826.1	1812.1	1793.5	1770.3
15°	1945.1	1953.5	1931.2	1906.1	1890.3	*1883.7*	1874.4	1869.8	1860.5	1847.5	1826.1
17.5°	1982.4	1987.9	1964.7	1934.9	1917.2	*1912.6*	1906.1	1908.9	1907.0	1900.5	1886.5
20°	2014.0	2017.7	1987.0	1950.7	1931.2	*1932.1*	1930.3	1939.6	1943.3	1943.3	1942.4
22.5°	2053.1	2054.0	2014.9	1969.3	1946.1	*1952.6*	1955.4	1965.6	1973.1	1980.5	1997.2
25°	2104.2	2102.4	2055.8	1993.5	1973.1	*1982.4*	1988.9	1992.6	2001.0	2013.1	2051.2
27.5°	2180.5	2174.9	2115.4	2032.6	2008.4	*2016.8*	2028.9	2027.0	2023.3	2032.6	2096.8
30°	2277.2	2269.8	2190.7	2087.5	2065.1	*2072.6*	2076.3	2059.6	2032.6	2041.0	2136.8
32.5°	2430.7	2417.7	2307.9	2148.9	2114.4	*2122.8*	2118.2	2083.8	2043.8	2052.1	2176.8
35°	2697.7	2666.1	2510.7	2277.2	2170.3	*2161.0*	2149.8	2116.3	2067.0	2058.6	2210.3
37.5°	3265.2	3209.3	2944.2	2527.5	2296.8	*2236.3*	2201.9	2168.4	2092.1	2058.6	2248.4
40°	3905.2	3848.4	3542.4	2946.1	2507.0	*2404.7*	2322.8	2229.8	2118.2	2070.7	2307.9
42.5°	4573.1	4510.8	4196.3	3465.2	2807.5	*2597.2*	2444.7	2279.1	2161.0	2107.9	2387.0
45°	5319.1	5241.0	4829.8	4006.6	3243.8	*2917.3*	2641.0	2380.5	2235.4	2174.0	2494.9
47.5°	6106.1	6004.7	5461.5	4532.2	3713.5	*3360.0*	3000.0	2561.9	2345.2	2272.6	2641.0
50°	6803.8	6703.4	6113.6	5081.9	4152.6	*3781.5*	3409.4	2813.1	2509.8	2412.1	2837.3
52.5°	7305.2	7228.9	6707.1	5649.4	4609.4	*4176.8*	3780.5	3105.2	2718.2	2590.7	3068.9
55°	7641.0	7571.3	7127.5	6187.1	5140.5	*4612.2*	4146.1	3422.4	2969.3	2804.7	3324.7
57.5°	7844.8	7804.8	7431.7	6667.1	5667.1	*5088.4*	4564.7	3771.2	3265.2	3056.8	3610.3
60°	7917.3	7884.8	7620.6	7124.8	6303.3	*5660.5*	5056.8	4164.7	3624.2	3343.3	3903.3
62.5°	7723.8	7730.3	7756.4	7667.1	6974.1	*6330.3*	5646.6	4637.3	4022.4	3668.0	4178.7
65°	6813.1	6867.1	7362.0	8268.0	7862.4	*7169.4*	6397.3	5214.0	4478.2	4037.3	4397.3
67.5°	5641.0	5719.2	6335.0	8619.7	8809.4	*8258.7*	7442.9	5948.9	5021.5	4413.1	4480.1
70°	4318.2	4401.9	5148.0	8546.2	9696.0	*9449.4*	8735.9	6883.8	5584.3	4673.6	4268.9
72.5°	*3081.9*	*3124.7*	*3712.6*	*7892.2*	*10059.7*	*10260.6*	*9688.5*	*7769.4*	*5871.7*	*4529.4*	*3481.9*
75°	2165.6	2158.2	2547.9	6355.4	9493.2	*10162.0*	9354.6	7290.3	5313.6	3598.2	2147.0
77.5°	943.3	945.1	1272.6	3859.6	7576.9	*8679.2*	7775.9	4566.6	3704.2	1907.0	906.1
80°	244.7	252.1	467.0	1536.8	4561.9	*5728.5*	4742.4	2007.5	1711.7	465.1	173.0
82.5°	86.5	92.1	214.9	482.8	1682.8	*2627.0*	2111.7	641.9	446.5	133.0	46.5
85°	25.1	29.8	115.4	147.9	347.9	*742.3*	512.6	124.7	109.8	68.8	12.1
87.5°	0.0	3.7	23.3	20.5	20.5	*14.0*	26.0	14.0	17.7	8.4	3.7
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°	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4
2.5°	1643.7	1637.2	1623.3	1608.4	1594.4	1581.4	1577.7	1563.7	1557.2	1558.2	1557.2
5°	1652.1	1640.0	1613.0	1580.5	1547.0	1508.9	1477.2	1432.6	1394.4	1389.8	1387.0
7.5°	1674.4	1654.9	1611.2	1547.9	1464.2	1359.1	1261.4	1164.7	1109.8	1080.0	1078.2
10°	1708.9	1682.8	1615.8	1494.9	1317.2	1129.3	981.4	859.5	797.2	768.4	762.8
12.5°	1749.8	1721.0	1623.3	1404.7	1127.5	880.9	720.9	646.5	633.5	631.6	630.7
15°	1807.5	1775.8	1631.7	1282.8	921.9	670.7	597.2	598.1	608.4	614.0	613.0
17.5°	1871.7	1840.0	1619.6	1134.0	719.1	573.0	571.2	579.5	594.4	600.0	599.1
20°	1936.8	1907.0	1576.8	959.1	581.4	546.1	553.5	562.8	577.7	585.1	585.1
22.5°	2003.7	1977.7	1508.9	773.0	524.7	526.5	535.8	545.1	561.9	570.2	570.2
25°	2075.4	2053.1	1418.6	619.5	500.5	506.1	518.1	529.3	547.0	557.2	557.2
27.5°	2147.9	2131.2	1316.3	517.2	478.1	484.7	498.6	513.5	531.2	543.3	544.2
30°	2227.0	2217.7	1234.4	479.1	456.8	462.3	478.1	494.9	514.4	529.3	531.2
32.5°	2307.9	2306.1	1194.4	507.0	437.2	440.9	454.9	471.6	495.8	514.4	516.3
35°	2387.9	2391.7	1171.2	586.1	430.7	420.5	429.8	444.7	473.5	496.8	500.5
37.5°	2490.3	2499.6	1170.2	671.6	446.5	400.0	406.5	416.8	441.9	468.8	473.5
40°	2642.8	2692.1	1229.8	745.1	474.4	381.4	383.3	385.1	398.1	420.5	427.9
42.5°	2845.6	2989.8	1444.7	795.4	485.6	364.7	358.1	347.9	346.1	358.1	364.7
45°	3097.7	3349.8	1822.4	823.3	474.4	346.1	328.4	301.4	291.2	299.5	299.5
47.5°	3394.5	3744.2	2269.8	829.8	455.8	322.8	291.2	255.8	247.4	250.2	249.3
50°	3683.8	4040.1	2663.3	775.8	425.1	293.0	250.2	220.5	214.9	215.8	215.8
52.5°	3939.6	4141.5	2774.9	648.4	384.2	256.7	214.9	194.4	190.7	190.7	189.8
55°	4108.9	4031.7	2474.5	495.8	333.0	219.5	184.2	174.0	172.1	171.2	169.3
57.5°	4144.2	3674.5	1868.9	358.1	260.5	185.1	163.7	158.1	154.4	150.7	148.8
60°	4017.7	3079.1	1189.8	250.2	195.4	158.1	145.1	141.4	134.0	126.5	123.7
62.5°	3744.2	2325.6	658.6	174.0	157.2	134.9	128.4	123.7	109.8	97.7	94.0
65°	3376.8	1546.1	291.2	135.8	128.4	113.5	109.8	103.3	86.5	72.6	69.8
67.5°	3007.5	890.2	131.2	108.8	103.3	93.0	90.2	85.6	73.5	60.5	58.6
70°	2586.1	451.2	90.2	86.5	80.0	70.7	73.5	72.6	60.5	49.3	47.4
72.5°	*1925.6*	*224.2*	*67.9*	*65.1*	*57.7*	*50.2*	*60.5*	*59.5*	*47.4*	*37.2*	*35.3*
75°	1090.2	110.7	49.3	45.6	34.4	37.2	48.4	45.6	32.6	24.2	22.3
77.5°	432.6	56.7	32.6	27.9	20.5	25.1	35.3	30.7	16.7	10.2	9.3
80°	99.5	27.9	16.7	12.1	9.3	14.9	18.6	11.2	4.7	0.9	0.0
82.5°	27.9	12.1	5.6	4.7	4.7	5.6	4.7	1.9	0.0	0.0	0.0
85°	9.3	5.6	1.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
87.5°	3.7	1.9	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)