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: P1203462

Luminaire Tested: GWC-SB2C-827-U-SL3-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203462
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2C-827-U-SL3-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10486 lumens
Efficiency:	N/A
Efficacy:	103.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

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

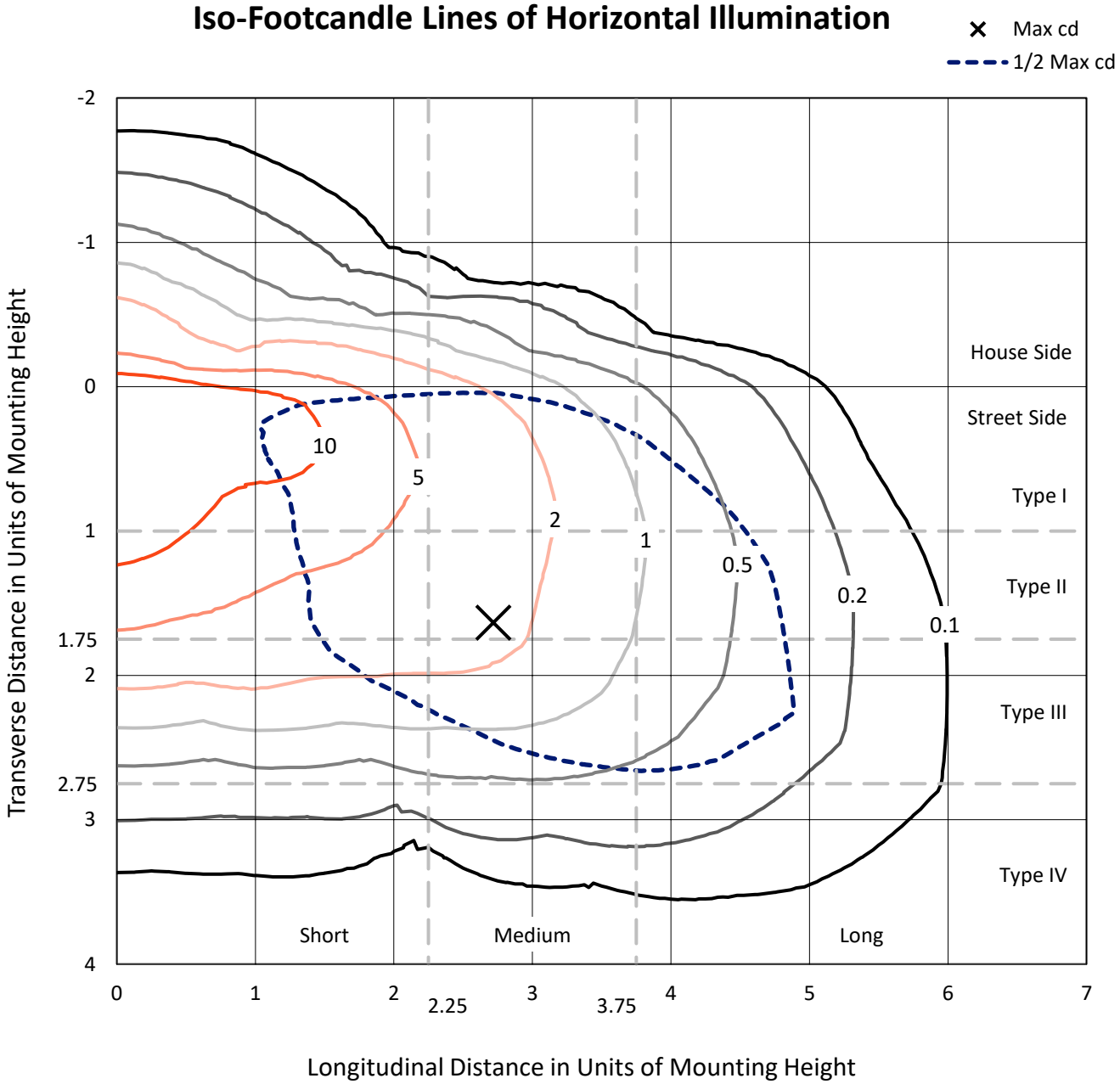


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Iso-Footcandle Lines of Horizontal Illumination



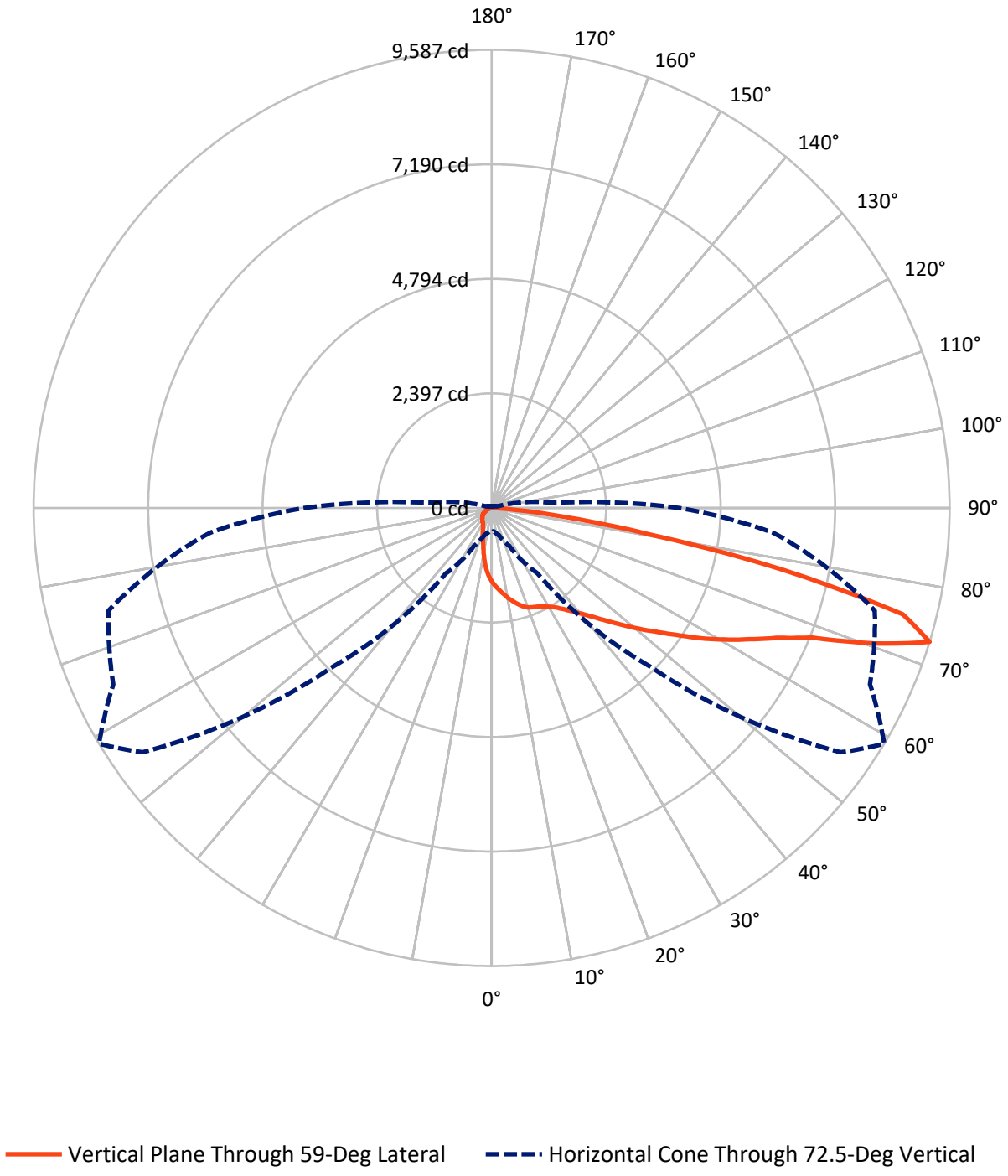
Based on 10 foot mounting height. Maximum calculated value = 19.2 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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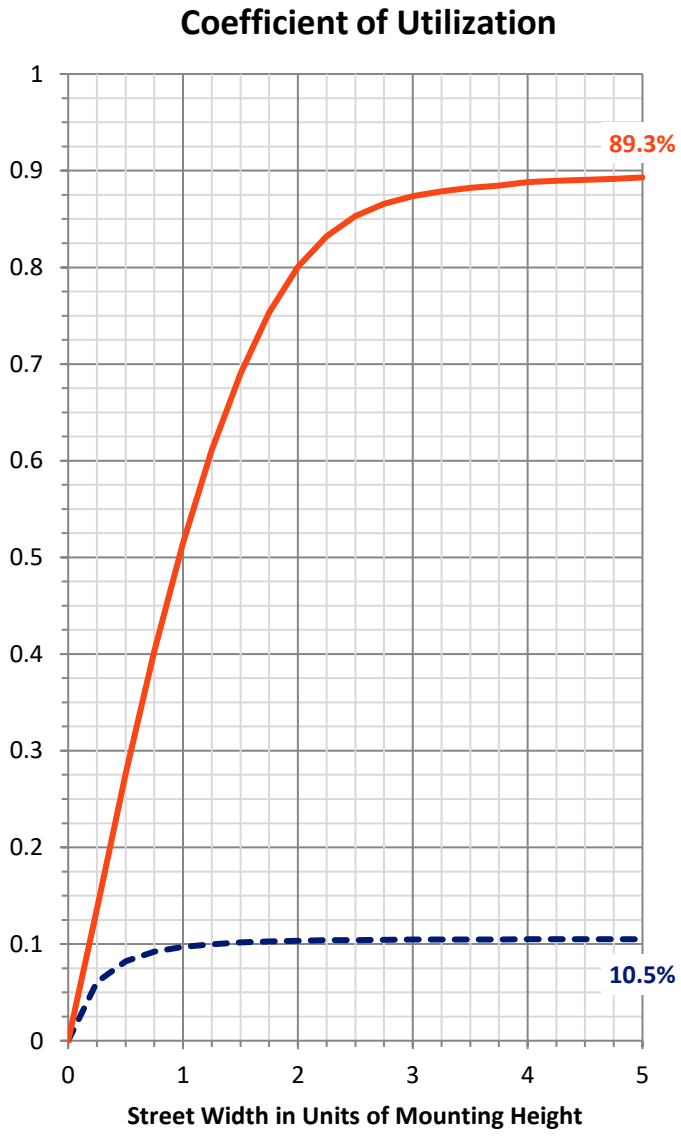
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1107.5	0.0	1107.5
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	9378.5	0.0	9378.5
	% Fixture	89.4	0.0	89.4
Total	Lumens	10486.0	0.0	10486.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	1.3
10°-20°	372.6	3.6
20°-30°	590.6	5.6
30°-40°	947.8	9.0
40°-50°	1513.7	14.4
50°-60°	2191.7	20.9
60°-70°	2601.0	24.8
70°-80°	1930.9	18.4
80°-90°	197.4	1.9
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°	10486.0	100.0
0°-180°	10486.0	100.0



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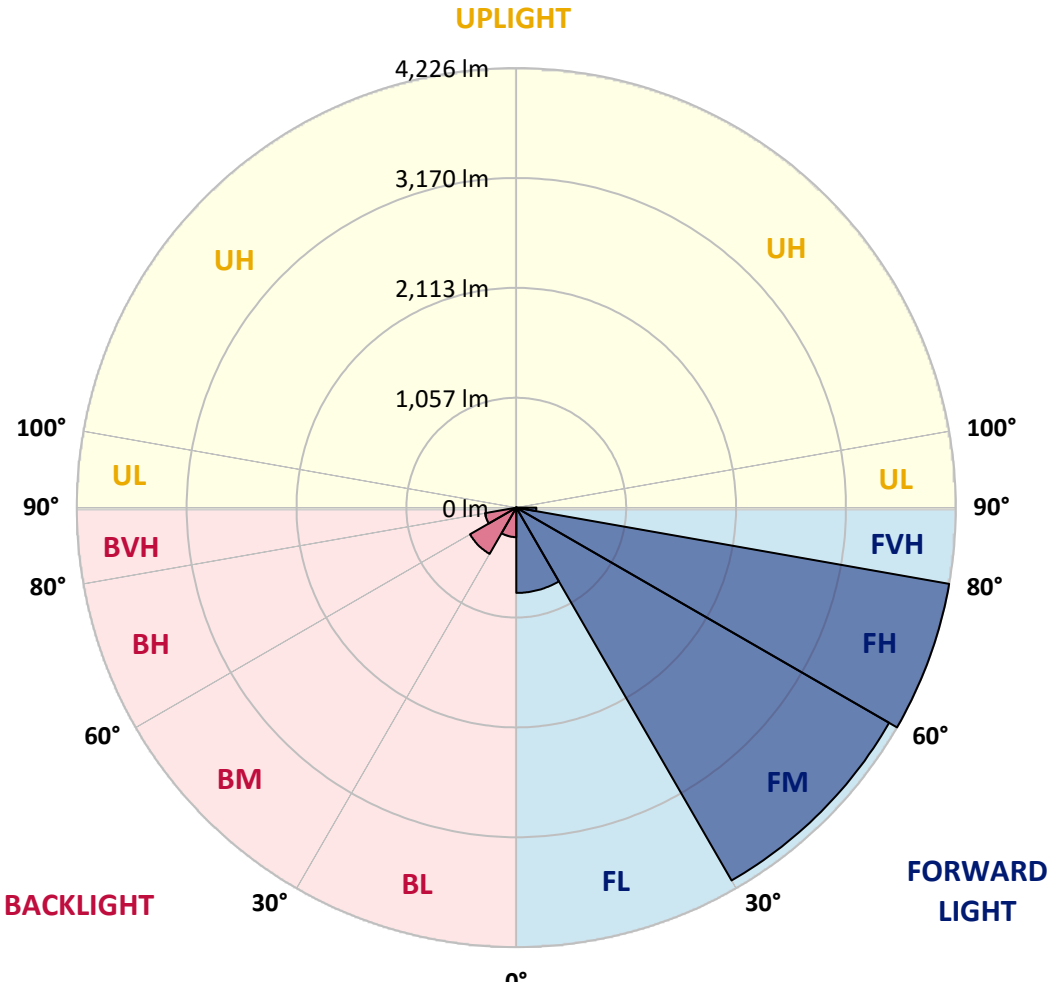
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	819.8	7.8			
FM	(30°-60°)	4139.7	39.5			
FH	(60°-80°)	4226.5	40.3			G2/5000
FVH	(80°-90°)	192.5	1.8			G2/225
BL	(0°-30°)	283.7	2.7	B1/500		
BM	(30°-60°)	513.5	4.9	B1/1000		
BH	(60°-80°)	305.4	2.9	B1/500		G1/500
BVH	(80°-90°)	4.9	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-G2
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	*1550.6*	1550.6	1550.6	1550.6
2.5°	1720.4	1710.8	1712.2	1695.8	1684.1	1671.8	1647.8	*1644.4*	1627.3	1597.2	1566.4
5°	1870.3	1864.2	1858.7	1840.2	1816.3	1786.1	1745.7	*1731.4*	1699.9	1647.8	1587.6
7.5°	1979.9	1972.3	1975.1	1956.6	1937.4	1903.9	1848.4	*1821.7*	1780.0	1700.6	1609.5
10°	2001.1	1997.0	2014.8	2021.6	2021.6	2000.4	1946.3	*1919.6*	1858.7	1757.4	1632.1
12.5°	1882.0	1882.7	1927.2	1980.6	2050.4	2070.2	2034.0	*2005.2*	1945.0	1817.6	1660.9
15°	1743.0	1743.7	1786.8	1855.3	1969.6	2083.9	2112.7	*2094.2*	2031.9	1882.7	1694.4
17.5°	1659.5	1656.1	1684.8	1740.9	1860.8	2021.6	2160.6	*2172.9*	2122.3	1954.5	1731.4
20°	1647.8	1641.7	1656.7	1684.8	1770.4	1943.6	2166.1	*2224.3*	2215.4	2036.0	1773.8
22.5°	1719.0	1709.5	1701.2	1702.6	1738.9	1878.6	2152.4	*2253.0*	2311.2	2133.9	1832.0
25°	1860.1	1845.0	1818.3	1784.1	1776.5	1864.9	2142.8	*2284.5*	2400.2	2259.2	1908.7
27.5°	2032.6	2011.4	1960.0	1908.7	1864.9	1903.2	2162.7	*2334.5*	2500.9	2405.0	1997.7
30°	2222.2	2196.2	2144.9	2047.7	1977.8	1988.8	2209.9	*2400.2*	2629.6	2570.0	2109.3
32.5°	2500.9	2440.6	2350.9	2202.4	2110.0	2081.2	2281.1	*2483.7*	2789.1	2789.8	2270.8
35°	2739.8	2706.2	2615.9	2431.0	2241.4	2203.7	2374.9	*2601.5*	3010.2	3080.7	2496.8
37.5°	2896.6	2850.7	2771.3	2632.3	2445.4	2329.7	2500.2	*2745.9*	3244.3	3412.1	2775.4
40°	3071.8	3026.6	2921.2	2790.4	2682.3	2546.0	2658.3	*2912.3*	3501.1	3752.3	3093.7
42.5°	3283.4	3224.5	3099.9	2958.9	2845.9	2830.8	2865.1	*3119.7*	3764.6	4122.0	3425.1
45°	3531.9	3476.4	3333.3	3155.3	3056.1	3029.4	3125.2	*3361.4*	4058.3	4527.3	3759.8
47.5°	3764.6	3700.3	3546.3	3384.0	3273.8	3189.6	3401.8	*3646.9*	4391.1	4951.1	4076.1
50°	3962.5	3896.8	3755.7	3582.5	3507.9	3397.7	3673.6	*3965.2*	4721.0	5381.7	4365.0
52.5°	4098.0	4039.9	3874.2	3756.4	3705.8	3650.3	3991.9	*4302.7*	5049.6	5776.0	4650.5
55°	4067.2	4015.2	3869.4	3861.2	3857.7	3915.9	4372.6	*4685.4*	5384.4	6149.1	4934.6
57.5°	3969.3	3910.5	3728.4	3853.6	3974.8	4152.8	4784.7	*5138.0*	5751.4	6501.0	5208.5
60°	3681.1	3660.6	3549.7	3839.3	4024.1	4384.9	5255.7	*5592.5*	6148.4	6810.4	5451.5
62.5°	3071.1	3088.9	3088.3	3869.4	4113.1	4649.2	5683.6	*6052.6*	6536.6	7108.3	5667.8
65°	2299.6	2361.2	2439.9	3598.3	4232.2	5120.8	6195.0	*6551.7*	6930.9	7454.7	5887.6
67.5°	1545.2	1594.4	1647.8	2952.0	3877.6	5616.5	7044.6	*7235.6*	7403.3	7838.7	6134.7
70°	884.5	900.3	974.9	1843.6	2989.0	5479.6	8428.2	*8497.3*	8107.8	8311.8	6314.8
72.5°	*495.7*	*490.2*	*588.8*	*874.9*	*1670.4*	*4692.3*	*8912.9*	*9587.2*	*8738.3*	*8304.3*	*5912.9*
75°	331.3	332.0	405.3	551.8	651.1	3284.7	7680.6	*8889.6*	8360.4	7363.6	4831.3
77.5°	225.9	233.5	297.8	426.5	301.2	1602.7	5081.1	*6227.2*	6768.7	5686.3	3335.4
80°	97.9	98.6	196.5	306.0	203.3	510.0	2634.4	*3336.1*	4245.2	3193.0	1321.3
82.5°	50.7	57.5	125.3	197.9	128.0	178.7	1244.6	*1457.5*	1781.3	937.2	271.1
85°	17.8	21.2	77.4	97.2	64.4	63.7	433.4	*441.6*	377.2	141.0	74.6
87.5°	0.0	3.4	30.1	24.0	8.2	7.5	51.3	*43.1*	34.2	19.9	24.6
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°	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6
2.5°	1552.0	1533.5	1503.4	1466.4	1423.3	1400.0	1366.5	1345.9	1327.4	1328.1	1343.2
5°	1554.1	1523.2	1446.6	1365.1	1274.7	1208.3	1134.4	1082.4	1042.7	1033.1	1047.4
7.5°	1560.2	1508.2	1382.9	1247.3	1096.7	985.1	883.1	818.8	782.5	772.9	782.5
10°	1568.4	1491.8	1311.0	1103.6	916.7	782.5	697.6	656.5	640.1	627.8	635.3
12.5°	1575.3	1474.6	1220.7	955.0	756.5	651.7	587.4	553.2	538.8	529.9	534.7
15°	1586.9	1452.0	1122.8	816.7	648.3	562.7	501.8	476.5	472.4	473.7	475.8
17.5°	1598.6	1430.1	1013.2	708.6	568.9	484.7	447.7	443.6	449.1	454.6	456.6
20°	1611.6	1398.6	902.3	627.1	495.7	430.6	421.0	423.8	426.5	436.1	438.8
22.5°	1630.7	1358.9	805.1	558.0	434.7	404.6	399.8	401.9	403.9	413.5	416.2
25°	1658.1	1316.5	726.4	494.3	396.4	383.4	378.6	378.6	381.3	390.2	393.6
27.5°	1686.9	1256.2	662.7	435.4	373.8	360.1	351.9	351.9	355.3	365.6	369.7
30°	1719.0	1201.5	612.7	391.6	354.6	336.8	325.9	323.1	327.2	340.2	343.7
32.5°	1777.2	1165.9	577.1	371.1	337.5	315.6	300.5	293.0	297.1	312.2	316.3
35°	1865.5	1157.7	552.5	360.8	321.1	296.4	275.2	263.6	267.0	282.7	287.5
37.5°	1968.9	1174.8	528.5	347.1	305.3	277.9	249.9	234.8	240.3	254.7	258.8
40°	2117.5	1246.0	510.0	336.8	289.6	256.0	224.6	209.5	218.4	230.7	232.8
42.5°	2296.8	1372.6	505.2	327.2	270.4	232.8	201.3	190.3	197.2	208.8	210.9
45°	2519.3	1534.2	527.1	314.9	249.2	210.2	182.8	176.6	178.7	190.3	195.8
47.5°	2758.3	1699.9	587.4	304.0	230.7	191.7	168.4	162.9	161.6	172.5	179.4
50°	2999.9	1847.1	658.6	295.7	217.7	176.6	157.5	150.6	147.2	154.0	156.8
52.5°	3238.9	1964.1	705.1	282.1	204.7	161.6	147.9	137.6	131.4	134.9	137.6
55°	3481.2	2066.8	707.9	261.5	192.4	152.0	138.3	126.7	119.1	119.1	120.5
57.5°	3707.8	2157.2	667.5	234.1	175.3	143.1	125.3	115.7	107.5	104.7	105.4
60°	3908.4	2224.3	600.4	203.3	160.2	131.4	112.3	104.7	94.5	89.0	87.6
62.5°	4087.1	2257.1	508.7	171.8	141.7	117.8	100.0	91.7	78.0	71.2	70.5
65°	4238.4	2223.6	412.8	142.4	126.0	102.7	85.6	77.4	62.3	54.1	54.1
67.5°	4388.3	2070.2	312.2	119.8	109.5	86.3	70.5	63.0	52.0	45.2	45.2
70°	4407.5	1747.8	218.4	100.6	91.1	66.4	56.8	52.0	42.4	36.3	35.6
72.5°	*3923.5*	*1257.6*	*132.8*	*82.2*	*71.2*	*47.2*	*45.2*	*41.1*	*31.5*	*27.4*	*26.7*
75°	3136.2	770.9	78.0	61.6	47.2	33.5	33.5	29.4	21.2	17.8	17.8
77.5°	2167.5	403.2	45.9	39.7	28.1	19.9	21.9	17.8	10.3	8.2	8.2
80°	868.1	153.4	24.6	18.5	13.0	8.9	7.5	4.1	2.1	1.4	2.1
82.5°	173.2	40.4	8.2	4.8	4.8	2.1	0.0	0.0	0.0	0.0	0.0
85°	44.5	8.9	2.1	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.7	0.0	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)