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: P1203376

Luminaire Tested: GWC-SB2C-735-U-SL4-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203376
	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-SB2C-735-U-SL4-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 615mA 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:	10453 lumens
Efficiency:	N/A
Efficacy:	103.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
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

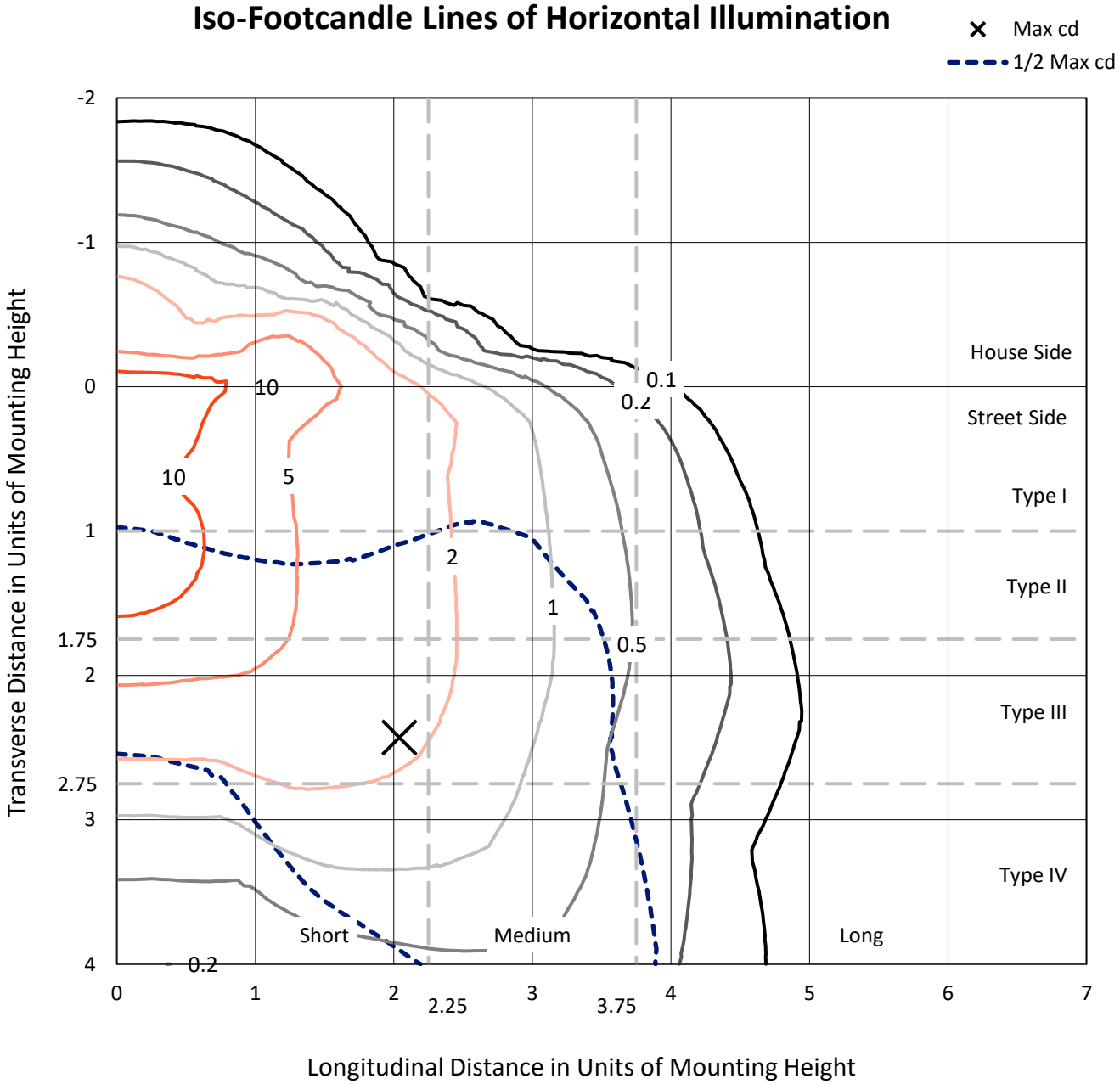


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Iso-Footcandle Lines of Horizontal Illumination



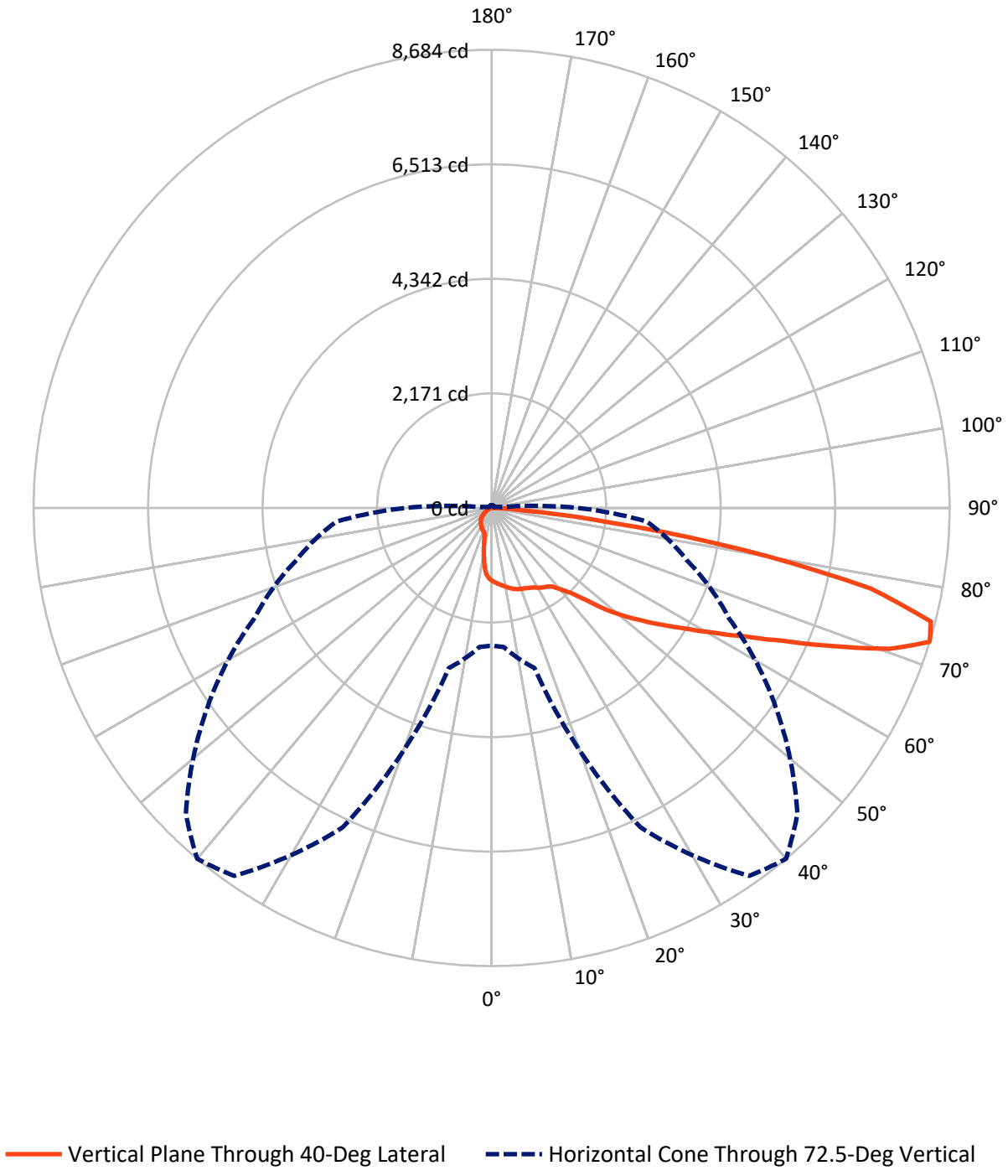
Based on 10 foot mounting height. Maximum calculated value = 15.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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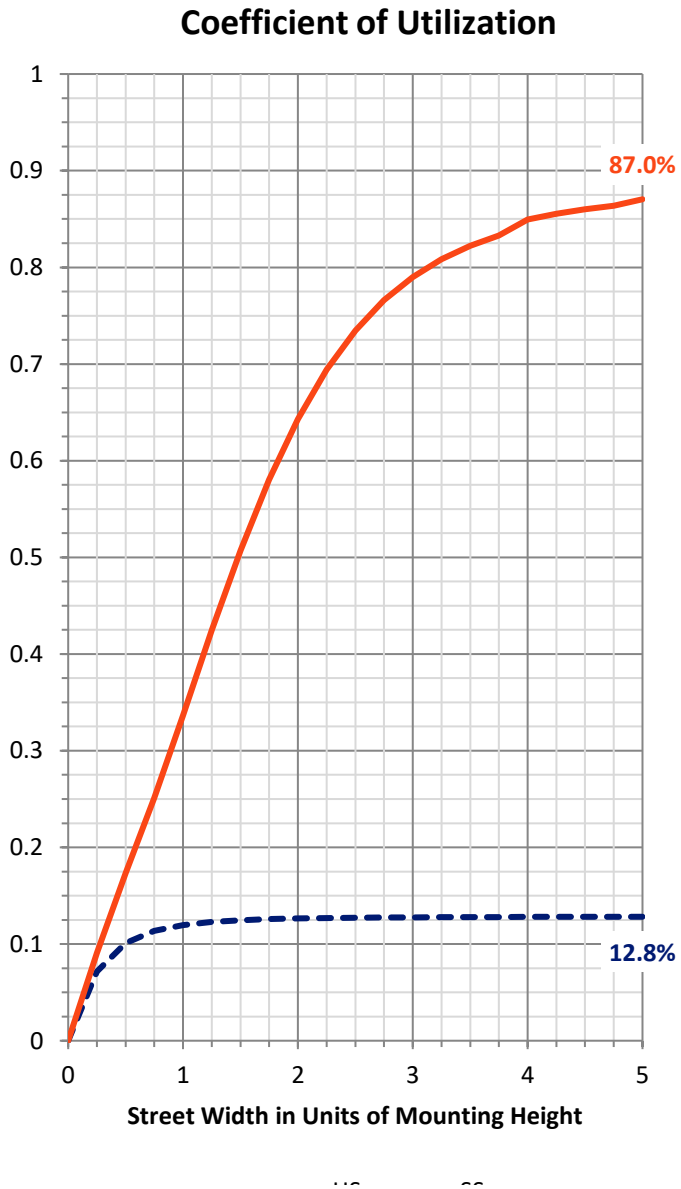
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1349.9	0.0	1349.9
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	9103.1	0.0	9103.1
	% Fixture	87.1	0.0	87.1
Total	Lumens	10453.0	0.0	10453.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	1.2
10°-20°	343.3	3.3
20°-30°	555.4	5.3
30°-40°	820.0	7.8
40°-50°	1380.1	13.2
50°-60°	2142.9	20.5
60°-70°	2681.4	25.7
70°-80°	2195.3	21.0
80°-90°	208.2	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°	10453.0	100.0
0°-180°	10453.0	100.0



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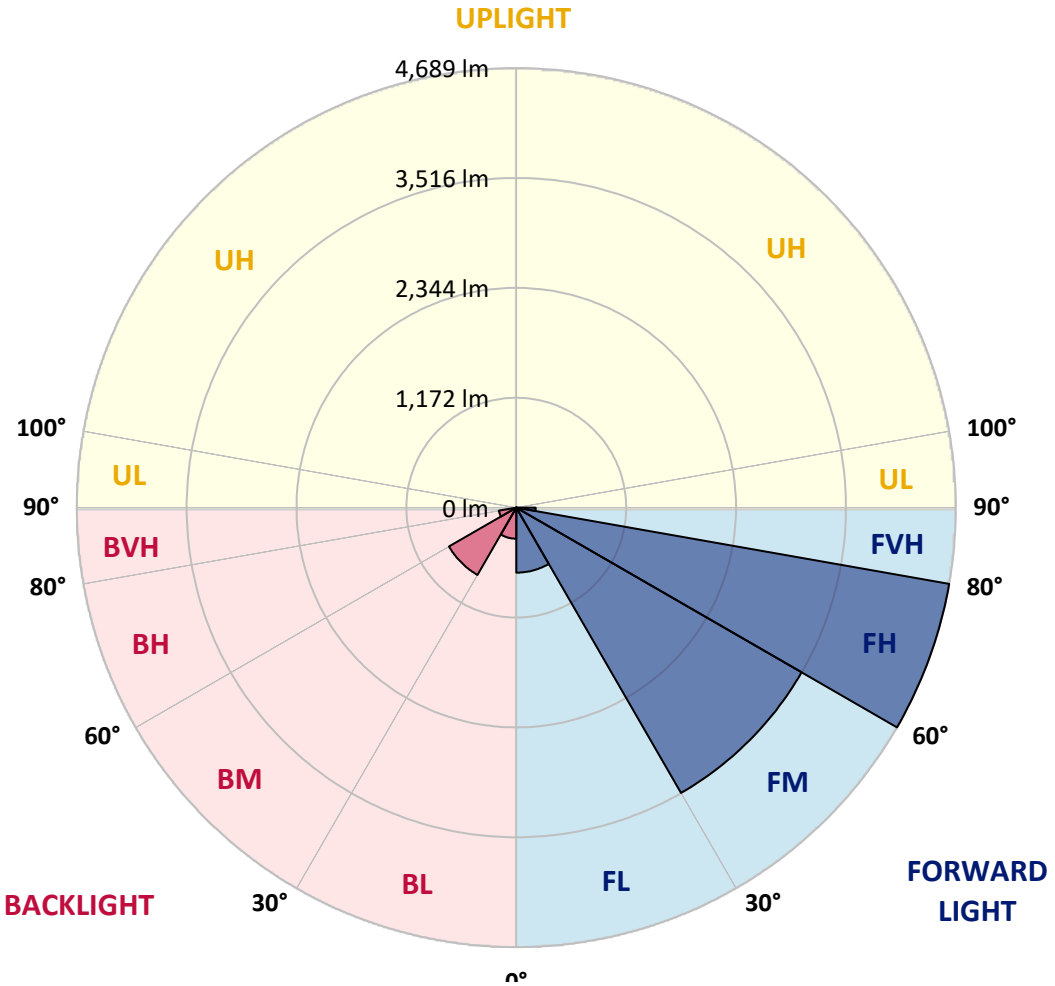
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	693.8	6.6			
FM	(30°-60°)	3514.1	33.6			
FH	(60°-80°)	4688.6	44.9			G2/5000
FVH	(80°-90°)	206.6	2.0			G2/225
BL	(0°-30°)	331.3	3.2	B1/500		
BM	(30°-60°)	828.9	7.9	B1/1000		
BH	(60°-80°)	188.1	1.8	B1/500		G1/500
BVH	(80°-90°)	1.6	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1384.1	1384.1	1384.1	1384.1	1384.1	*1384.1*	1384.1	1384.1	1384.1	1384.1	1384.1
2.5°	1425.8	1431.3	1428.2	1421.9	1420.3	*1417.1*	1413.2	1411.6	1406.1	1401.4	1395.9
5°	1465.9	1471.5	1467.5	1458.9	1454.9	*1451.0*	1445.5	1440.7	1429.7	1419.5	1406.9
7.5°	1510.0	1514.8	1510.0	1497.4	1491.1	*1486.4*	1478.5	1471.5	1458.9	1443.9	1428.2
10°	1558.8	1562.8	1555.7	1539.2	1528.9	*1521.8*	1514.8	1506.9	1495.1	1478.5	1459.6
12.5°	1604.5	1609.2	1598.2	1578.5	1566.7	*1559.6*	1551.8	1545.5	1533.6	1517.9	1498.2
15°	1646.2	1653.3	1634.4	1613.2	1599.8	*1594.3*	1586.4	1582.5	1574.6	1563.6	1545.5
17.5°	1677.7	1682.4	1662.8	1637.6	1622.6	*1618.7*	1613.2	1615.5	1614.0	1608.4	1596.6
20°	1704.5	1707.6	1681.7	1651.0	1634.4	*1635.2*	1633.6	1641.5	1644.7	1644.7	1643.9
22.5°	1737.6	1738.3	1705.3	1666.7	1647.0	*1652.5*	1654.9	1663.6	1669.8	1676.1	1690.3
25°	1780.9	1779.3	1739.9	1687.2	1669.8	*1677.7*	1683.2	1686.4	1693.5	1703.7	1736.0
27.5°	1845.4	1840.7	1790.3	1720.2	1699.8	*1706.9*	1717.1	1715.5	1712.4	1720.2	1774.6
30°	1927.3	1921.0	1854.1	1766.7	1747.8	*1754.1*	1757.2	1743.1	1720.2	1727.3	1808.4
32.5°	2057.2	2046.2	1953.3	1818.6	1789.5	*1796.6*	1792.7	1763.5	1729.7	1736.8	1842.3
35°	2283.2	2256.4	2124.9	1927.3	1836.8	*1828.9*	1819.4	1791.1	1749.4	1742.3	1870.6
37.5°	2763.4	2716.2	2491.8	2139.1	1943.8	*1892.7*	1863.5	1835.2	1770.6	1742.3	1902.9
40°	3305.1	3257.0	2998.0	2493.4	2121.8	*2035.2*	1965.9	1887.1	1792.7	1752.5	1953.3
42.5°	3870.3	3817.6	3551.5	2932.7	2376.1	*2198.1*	2069.0	1928.9	1828.9	1784.0	2020.2
45°	4501.7	4435.6	4087.6	3390.9	2745.3	*2469.0*	2235.1	2014.7	1891.9	1839.9	2111.5
47.5°	5167.8	5082.0	4622.2	3835.7	3142.9	*2843.7*	2539.0	2168.2	1984.8	1923.4	2235.1
50°	5758.3	5673.2	5174.1	4301.0	3514.5	*3200.3*	2885.4	2380.8	2124.1	2041.5	2401.2
52.5°	6182.6	6118.1	5676.4	4781.2	3901.0	*3534.9*	3199.6	2628.0	2300.5	2192.6	2597.3
55°	6466.8	6407.8	6032.2	5236.3	4350.6	*3903.4*	3509.0	2896.5	2513.0	2373.7	2813.8
57.5°	6639.2	6605.4	6289.7	5642.5	4796.2	*4306.5*	3863.2	3191.7	2763.4	2587.0	3055.5
60°	6700.7	6673.1	6449.5	6029.9	5334.7	*4790.7*	4279.7	3524.7	3067.3	2829.5	3303.5
62.5°	6536.9	6542.4	6564.5	6488.9	5902.3	*5357.5*	4778.9	3924.7	3404.3	3104.3	3536.5
65°	5766.1	5811.8	6230.6	6997.5	6654.2	*6067.7*	5414.2	4412.8	3790.0	3416.9	3721.5
67.5°	4774.1	4840.3	5361.5	7295.1	7455.7	*6989.6*	6299.1	5034.7	4249.8	3734.9	3791.6
70°	3654.6	3725.5	4356.9	7232.9	8206.0	*7997.3*	7393.5	5826.0	4726.1	3955.4	3612.9
72.5°	*2608.3*	*2644.5*	*3142.1*	*6679.4*	*8513.8*	*8683.8*	*8199.7*	*6575.5*	*4969.4*	*3833.3*	*2946.8*
75°	1832.8	1826.5	2156.4	5378.8	8034.3	*8600.4*	7917.0	6170.0	4497.0	3045.3	1817.1
77.5°	798.3	799.9	1077.0	3266.5	6412.5	*7345.4*	6581.0	3864.8	3135.0	1614.0	766.8
80°	207.1	213.4	395.2	1300.6	3860.9	*4848.2*	4013.6	1699.0	1448.6	393.6	146.4
82.5°	73.2	77.9	181.9	408.6	1424.2	*2223.3*	1787.2	543.2	377.9	112.6	39.4
85°	21.3	25.2	97.6	125.2	294.4	*628.3*	433.8	105.5	92.9	58.3	10.2
87.5°	0.0	3.1	19.7	17.3	17.3	*11.8*	22.0	11.8	15.0	7.1	3.1
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°	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1	1384.1
2.5°	1391.1	1385.6	1373.8	1361.2	1349.4	1338.4	1335.2	1323.4	1317.9	1318.7	1317.9
5°	1398.2	1388.0	1365.2	1337.6	1309.3	1277.0	1250.2	1212.4	1180.2	1176.2	1173.9
7.5°	1417.1	1400.6	1363.6	1310.1	1239.2	1150.2	1067.6	985.7	939.2	914.0	912.5
10°	1446.3	1424.2	1367.5	1265.2	1114.8	955.8	830.6	727.5	674.7	650.3	645.6
12.5°	1480.9	1456.5	1373.8	1188.8	954.2	745.6	610.2	547.2	536.1	534.6	533.8
15°	1529.7	1502.9	1380.9	1085.7	780.2	567.6	505.4	506.2	514.9	519.6	518.8
17.5°	1584.0	1557.3	1370.7	959.7	608.6	485.0	483.4	490.5	503.1	507.8	507.0
20°	1639.1	1614.0	1334.5	811.7	492.1	462.1	468.4	476.3	488.9	495.2	495.2
22.5°	1695.8	1673.8	1277.0	654.2	444.0	445.6	453.5	461.4	475.5	482.6	482.6
25°	1756.5	1737.6	1200.6	524.3	423.6	428.3	438.5	448.0	462.9	471.6	471.6
27.5°	1817.9	1803.7	1114.0	437.7	404.7	410.2	422.0	434.6	449.5	459.8	460.6
30°	1884.8	1876.9	1044.7	405.5	386.6	391.3	404.7	418.8	435.4	448.0	449.5
32.5°	1953.3	1951.7	1010.9	429.1	370.0	373.2	385.0	399.2	419.6	435.4	436.9
35°	2021.0	2024.1	991.2	496.0	364.5	355.9	363.7	376.3	400.7	420.4	423.6
37.5°	2107.6	2115.5	990.4	568.4	377.9	338.5	344.0	352.7	374.0	396.8	400.7
40°	2236.7	2278.4	1040.8	630.6	401.5	322.8	324.4	325.9	337.0	355.9	362.2
42.5°	2408.3	2530.4	1222.7	673.1	411.0	308.6	303.1	294.4	292.9	303.1	308.6
45°	2621.7	2835.0	1542.3	696.8	401.5	292.9	277.9	255.1	246.4	253.5	253.5
47.5°	2872.8	3168.9	1921.0	702.3	385.8	273.2	246.4	216.5	209.4	211.8	211.0
50°	3117.7	3419.2	2254.0	656.6	359.8	248.0	211.8	186.6	181.9	182.7	182.7
52.5°	3334.2	3505.0	2348.5	548.7	325.2	217.3	181.9	164.5	161.4	161.4	160.6
55°	3477.5	3412.1	2094.2	419.6	281.9	185.8	155.9	147.2	145.6	144.9	143.3
57.5°	3507.4	3109.8	1581.7	303.1	220.4	156.7	138.6	133.8	130.7	127.5	126.0
60°	3400.3	2605.9	1006.9	211.8	165.3	133.8	122.8	119.7	113.4	107.1	104.7
62.5°	3168.9	1968.2	557.4	147.2	133.1	114.2	108.6	104.7	92.9	82.7	79.5
65°	2857.9	1308.5	246.4	114.9	108.6	96.0	92.9	87.4	73.2	61.4	59.0
67.5°	2545.3	753.4	111.0	92.1	87.4	78.7	76.4	72.4	62.2	51.2	49.6
70°	2188.7	381.8	76.4	73.2	67.7	59.8	62.2	61.4	51.2	41.7	40.2
72.5°	*1629.7*	*189.7*	*57.5*	*55.1*	*48.8*	*42.5*	*51.2*	*50.4*	*40.2*	*31.5*	*29.9*
75°	922.7	93.7	41.7	38.6	29.1	31.5	40.9	38.6	27.6	20.5	18.9
77.5°	366.1	48.0	27.6	23.6	17.3	21.3	29.9	26.0	14.2	8.7	7.9
80°	84.2	23.6	14.2	10.2	7.9	12.6	15.7	9.4	3.9	0.8	0.0
82.5°	23.6	10.2	4.7	3.9	3.9	4.7	3.9	1.6	0.0	0.0	0.0
85°	7.9	4.7	1.6	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
87.5°	3.1	1.6	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


HS
SS

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(END OF REPORT)