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: P1203477

Luminaire Tested: GWC-SB2C-827-U-T4W

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203477
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2C-827-U-T4W
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12995 lumens
Efficiency:	N/A
Efficacy:	128.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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

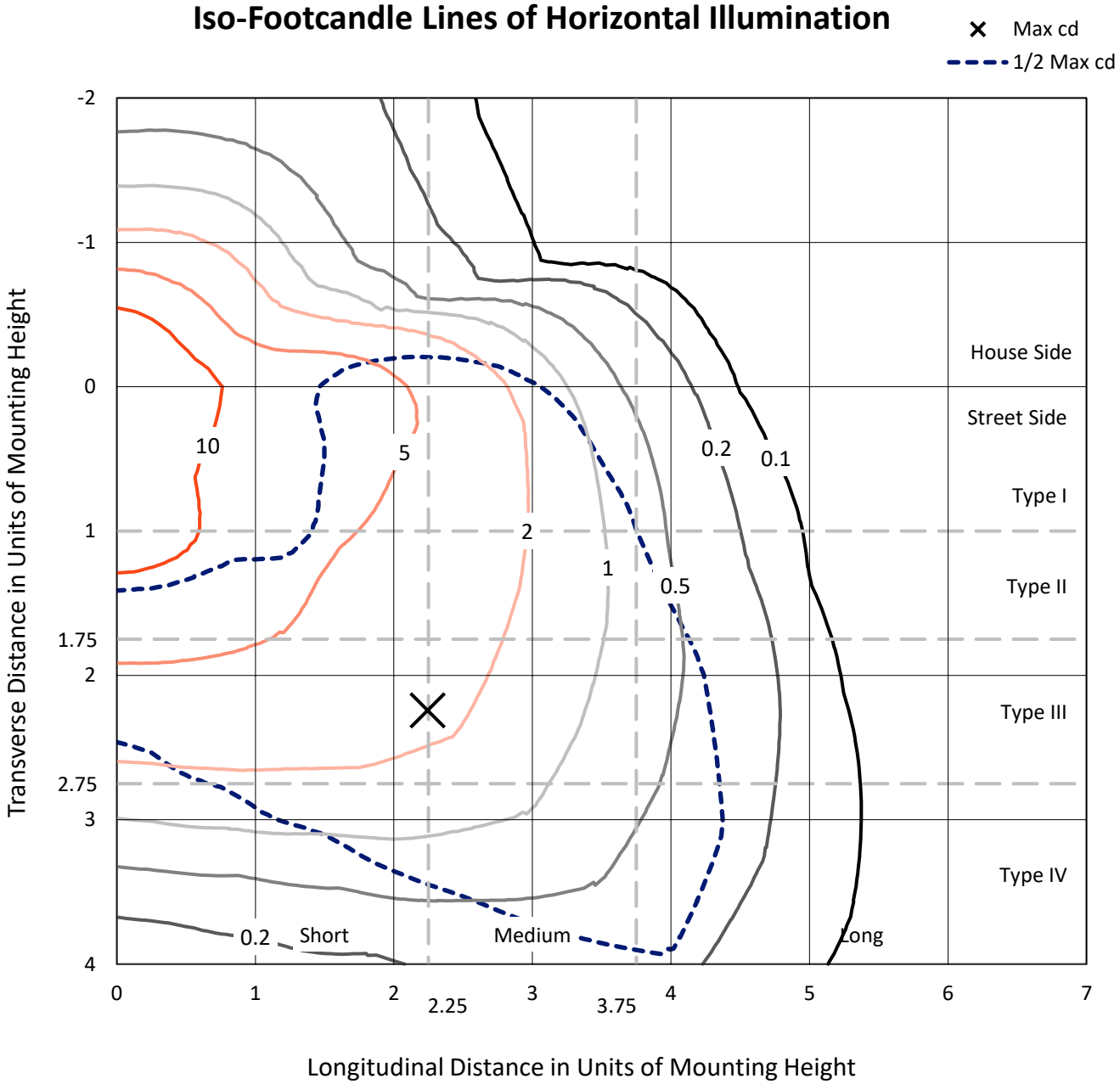


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Iso-Footcandle Lines of Horizontal Illumination



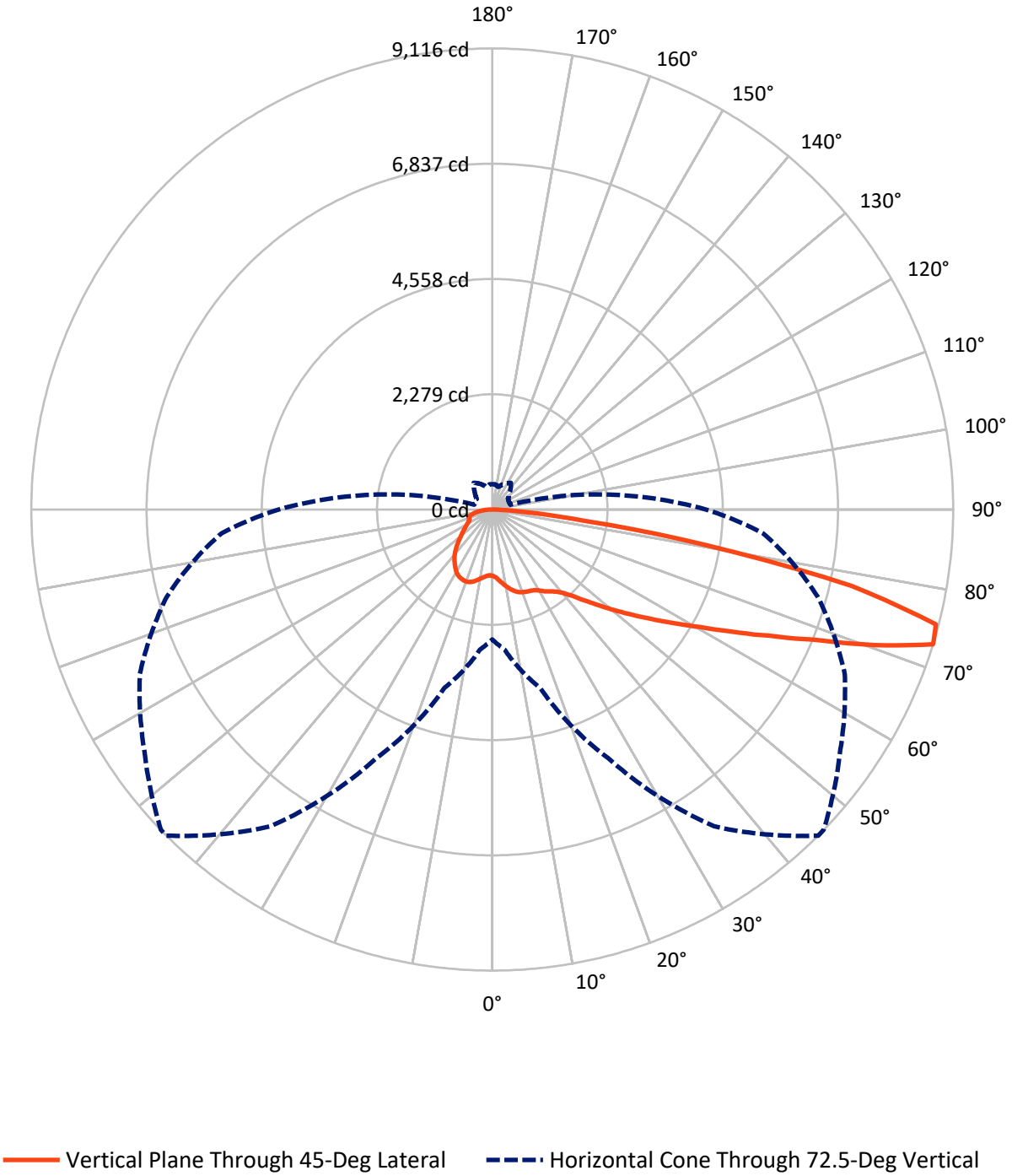
Based on 10 foot mounting height. Maximum calculated value = 16.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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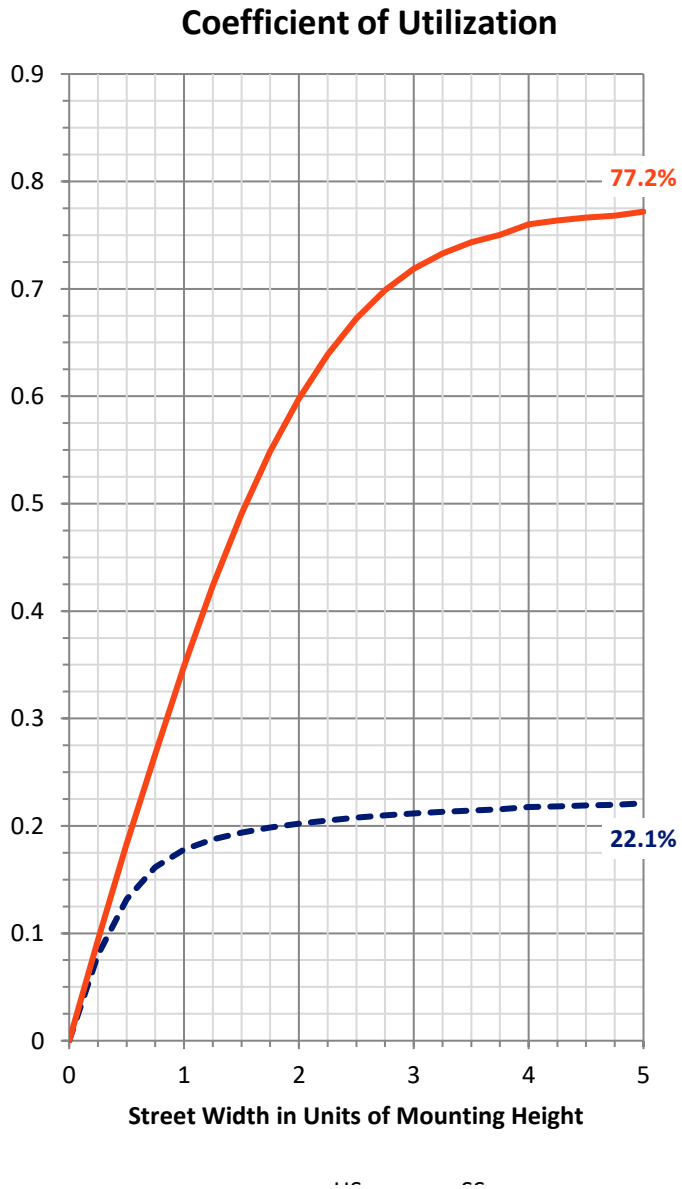
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2937.7	0.0	2937.7
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	10057.3	0.0	10057.3
	% Fixture	77.4	0.0	77.4
Total	Lumens	12995.0	0.0	12995.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	1.0
10°-20°	444.9	3.4
20°-30°	773.9	6.0
30°-40°	1109.4	8.5
40°-50°	1562.1	12.0
50°-60°	2392.6	18.4
60°-70°	3466.1	26.7
70°-80°	2767.9	21.3
80°-90°	344.7	2.7
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°	12995.0	100.0
0°-180°	12995.0	100.0



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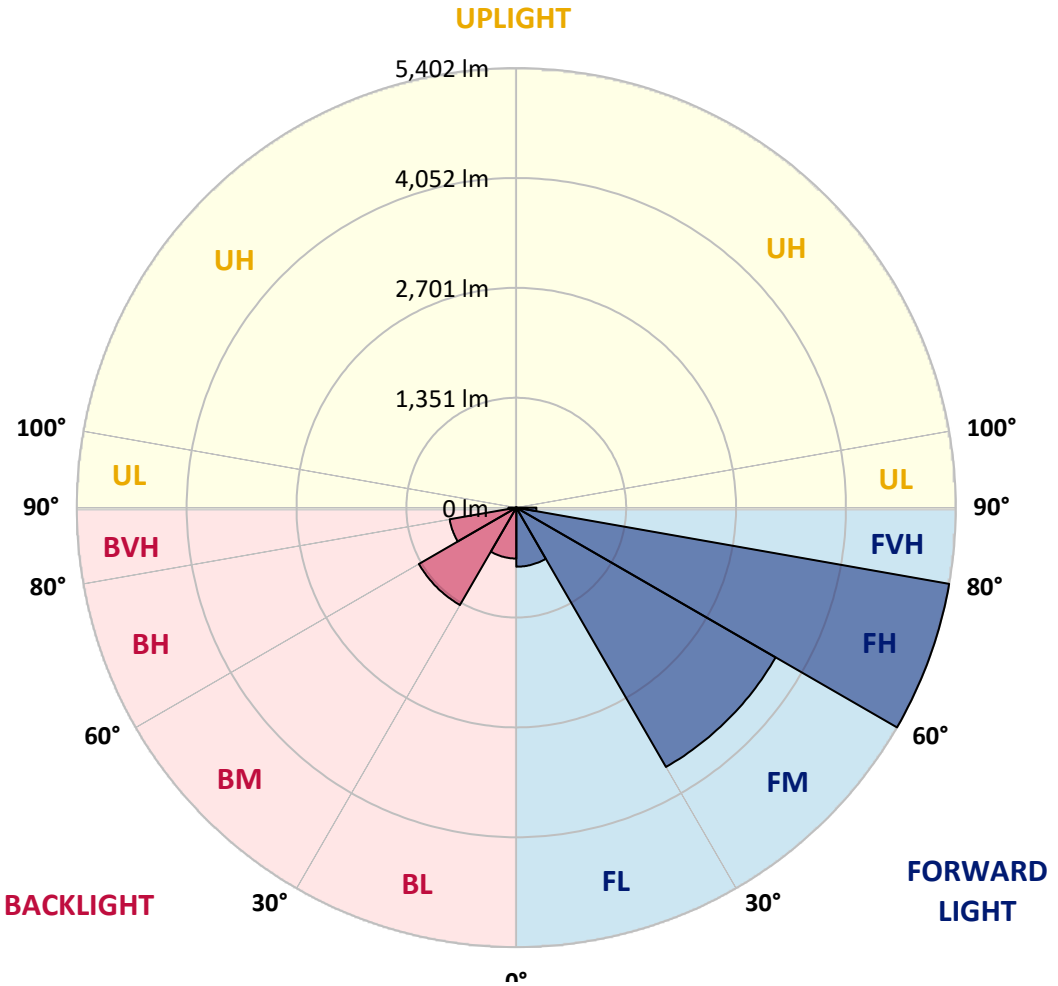
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	726.7	5.6			
FM	(30°-60°)	3680.9	28.3			
FH	(60°-80°)	5402.4	41.6			G3/7500
FVH	(80°-90°)	247.3	1.9			G3/500
BL	(0°-30°)	625.5	4.8	B2/1000		
BM	(30°-60°)	1383.3	10.6	B2/2500		
BH	(60°-80°)	831.6	6.4	B2/1000		G2/1000
BVH	(80°-90°)	97.4	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1310.9	1310.9	1310.9	1310.9	1310.9	1310.9	1310.9	1310.9	1310.9	1310.9	1310.9
2.5°	1362.3	1371.2	1363.0	1355.4	1352.0	1343.1	1342.4	1337.0	1333.5	1323.9	1321.2
5°	1457.4	1469.1	1455.4	1440.3	1426.6	1404.7	1402.0	1386.2	1368.4	1347.9	1336.3
7.5°	1564.9	1575.2	1559.4	1536.8	1512.9	1476.6	1475.9	1447.2	1419.1	1384.2	1364.3
10°	1658.7	1672.4	1651.2	1620.4	1590.2	1549.2	1544.4	1511.5	1475.9	1430.7	1400.6
12.5°	1741.5	1751.1	1730.6	1692.9	1658.0	1616.9	1610.8	1574.5	1534.8	1483.5	1445.1
15°	1807.3	1819.6	1792.2	1751.8	1714.8	1674.4	1669.0	1636.1	1596.4	1542.3	1493.0
17.5°	1850.4	1860.6	1832.6	1787.4	1751.8	1718.3	1714.2	1686.8	1651.9	1597.1	1544.4
20°	1866.8	1877.8	1848.3	1802.5	1769.6	1743.6	1741.5	1721.7	1697.7	1647.7	1594.4
22.5°	1883.2	1893.5	1855.2	1807.3	1778.5	1762.1	1761.4	1748.4	1738.8	1697.7	1645.7
25°	1949.6	1952.4	1901.0	1831.9	1790.8	1776.4	1775.8	1775.1	1779.2	1747.0	1701.1
27.5°	2007.1	2006.5	1962.6	1897.6	1834.0	1803.8	1803.1	1810.0	1823.0	1796.3	1758.6
30°	2091.3	2083.8	2031.8	1964.0	1905.8	1859.3	1855.2	1849.0	1859.3	1838.1	1816.2
32.5°	2270.0	2246.1	2161.9	2041.4	1965.4	1929.8	1924.3	1886.0	1890.1	1877.1	1866.1
35°	2526.0	2494.6	2382.3	2187.9	2039.3	1988.7	1985.9	1937.3	1929.1	1917.5	1921.6
37.5°	2830.7	2791.7	2660.9	2400.1	2166.6	2057.1	2053.0	2009.2	1975.7	1963.3	1986.6
40°	3136.7	3087.4	2979.2	2658.9	2354.2	2171.4	2158.4	2092.0	2053.7	2033.2	2082.4
42.5°	3433.8	3392.7	3300.3	2949.1	2585.6	2338.5	2309.7	2196.1	2167.3	2148.2	2237.2
45°	3696.7	3659.7	3591.9	3259.2	2856.7	2565.8	2537.7	2352.2	2343.3	2343.3	2472.0
47.5°	3910.2	3902.0	3830.1	3575.5	3176.4	2824.5	2775.9	2569.2	2593.1	2630.1	2805.3
50°	4147.1	4124.5	4047.8	3887.0	3552.2	3120.9	3081.2	2835.5	2925.1	3026.5	3287.3
52.5°	4364.8	4377.1	4291.5	4211.4	3976.6	3451.6	3381.8	3149.7	3343.4	3511.1	3852.0
55°	4588.6	4589.3	4565.4	4554.4	4421.6	3817.1	3740.5	3527.6	3835.6	4043.7	4510.6
57.5°	4798.8	4800.2	4835.8	4932.3	4937.8	4238.8	4151.9	3991.7	4382.6	4594.8	5189.7
60°	4986.4	4996.0	5093.2	5319.1	5391.6	4722.1	4640.0	4540.0	4948.0	5161.6	5903.7
62.5°	5049.4	5084.3	5300.6	5621.7	5840.0	5315.0	5234.2	5174.6	5542.2	5740.8	6500.6
65°	4942.6	5022.7	5440.9	5871.5	6301.4	6019.4	5939.3	5874.3	6159.7	6346.6	6990.8
67.5°	4680.4	4783.7	5432.7	6133.7	6861.4	6866.9	6792.3	6639.6	6821.7	6893.6	7150.3
70°	3989.6	4144.4	4954.2	6231.6	7504.2	8025.8	7954.0	7561.0	7482.3	7134.5	6701.2
72.5°	2570.5	2778.7	3648.0	5425.9	7647.3	9116.4	9112.2	8392.8	7691.1	6666.3	5374.5
75°	937.9	1065.2	1695.0	3405.7	6419.2	9060.9	9087.6	8250.4	7020.9	5149.3	3348.2
77.5°	341.6	373.8	553.1	1308.9	3947.9	7270.1	7325.5	6595.8	4997.3	2584.2	1326.7
80°	179.4	197.2	283.4	507.9	1691.6	4317.6	4404.5	3919.8	2348.7	778.4	397.7
82.5°	99.3	107.5	158.8	275.9	761.9	1846.3	1898.3	1548.5	826.3	330.0	164.3
85°	53.4	56.8	74.6	150.6	372.4	640.1	654.4	462.8	329.3	193.7	79.4
87.5°	15.7	19.2	24.6	47.9	145.8	143.8	147.2	91.7	130.1	97.9	26.0
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°	1310.9	1310.9	1310.9	1310.9	1310.9	1310.9	1310.9	1310.9	1310.9	1310.9	1310.9
2.5°	1317.1	1315.0	1307.5	1304.1	1300.0	1299.3	1302.7	1303.4	1304.1	1304.8	1307.5
5°	1329.4	1322.6	1315.7	1311.6	1313.0	1313.7	1320.5	1325.3	1328.7	1331.5	1332.8
7.5°	1353.4	1347.9	1336.3	1335.6	1337.6	1343.8	1352.7	1363.7	1369.8	1374.6	1376.0
10°	1389.0	1378.7	1365.0	1367.1	1371.2	1380.1	1398.6	1407.5	1417.7	1426.6	1424.6
12.5°	1425.3	1416.4	1400.6	1402.0	1408.8	1424.6	1442.4	1453.3	1460.2	1467.0	1469.8
15°	1472.5	1456.8	1439.6	1439.6	1452.0	1469.1	1477.3	1486.2	1490.3	1497.8	1500.6
17.5°	1521.1	1500.6	1478.0	1476.6	1491.7	1499.9	1504.7	1506.0	1507.4	1515.6	1518.4
20°	1569.7	1547.1	1514.9	1512.2	1515.6	1514.3	1513.6	1512.2	1514.3	1524.5	1528.6
22.5°	1617.6	1591.6	1547.1	1534.8	1525.2	1512.2	1511.5	1510.8	1512.2	1522.5	1529.3
25°	1673.8	1642.3	1582.7	1545.7	1513.6	1495.8	1497.8	1498.5	1499.9	1508.1	1519.1
27.5°	1734.7	1699.8	1615.6	1542.3	1484.1	1471.8	1468.4	1470.4	1475.2	1488.2	1501.3
30°	1795.6	1754.5	1645.7	1528.6	1447.2	1430.1	1419.1	1423.9	1439.0	1452.0	1466.3
32.5°	1851.1	1810.0	1669.7	1498.5	1399.9	1373.2	1358.9	1365.0	1380.1	1384.9	1402.0
35°	1916.1	1869.5	1679.9	1450.6	1348.6	1307.5	1288.4	1279.5	1287.0	1282.2	1297.3
37.5°	1988.7	1940.1	1678.6	1387.6	1288.4	1241.1	1214.4	1180.9	1165.1	1148.7	1159.0
40°	2096.1	2026.3	1662.1	1311.6	1213.7	1170.6	1122.7	1065.9	1030.3	998.1	1000.1
42.5°	2242.6	2146.1	1632.0	1228.1	1129.5	1089.1	1024.1	957.7	901.6	848.2	843.4
45°	2461.0	2302.9	1594.4	1139.1	1038.5	998.8	928.3	853.7	790.0	721.5	713.3
47.5°	2775.9	2513.7	1558.8	1037.8	942.6	906.4	842.7	773.6	698.3	631.9	624.3
50°	3208.6	2816.3	1525.9	939.2	848.2	820.8	770.1	699.6	623.6	570.2	566.8
52.5°	3758.9	3227.7	1512.2	844.1	759.9	749.6	709.2	643.5	571.6	526.4	523.0
55°	4390.8	3719.9	1512.2	753.0	682.5	685.9	657.9	596.9	534.6	494.3	490.1
57.5°	5035.7	4218.3	1484.8	668.8	616.8	631.2	613.4	560.0	503.8	462.1	455.2
60°	5629.9	4635.9	1373.9	592.1	558.6	581.2	569.6	523.7	455.2	420.3	414.8
62.5°	6086.5	4871.4	1160.3	531.2	510.7	536.7	530.5	475.8	446.3	432.0	427.2
65°	6315.1	4833.0	887.2	477.1	470.3	510.7	497.7	495.6	472.4	455.9	450.4
67.5°	6174.8	4503.1	643.5	437.4	447.0	486.7	536.7	544.9	501.8	469.6	464.1
70°	5559.4	3906.1	479.2	399.8	417.6	487.4	612.0	570.2	492.2	454.6	448.4
72.5°	*4229.2*	*2912.8*	*371.7*	*360.1*	*379.2*	*490.8*	*645.5*	*558.6*	*464.8*	*502.5*	*498.4*
75°	2418.6	1599.1	298.5	311.5	331.3	458.7	628.4	528.5	443.6	461.4	461.4
77.5°	922.1	614.7	246.4	263.6	266.3	400.5	601.0	526.4	422.4	412.1	375.8
80°	319.7	240.3	204.0	209.5	206.1	356.0	576.4	458.0	345.7	309.4	299.2
82.5°	130.8	119.8	161.6	154.7	146.5	276.6	465.5	374.5	282.7	249.9	247.1
85°	56.8	76.0	106.8	93.8	84.9	191.7	373.1	317.0	238.9	206.1	205.4
87.5°	11.6	28.8	45.2	42.4	43.8	128.0	264.9	225.2	169.1	126.6	99.3
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)