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: P1203473

Luminaire Tested: GWC-SB2C-827-U-T3

Issue Date: 10/30/2025

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203473
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2C-827-U-T3
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13029 lumens
Efficiency:	N/A
Efficacy:	129.1 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):	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

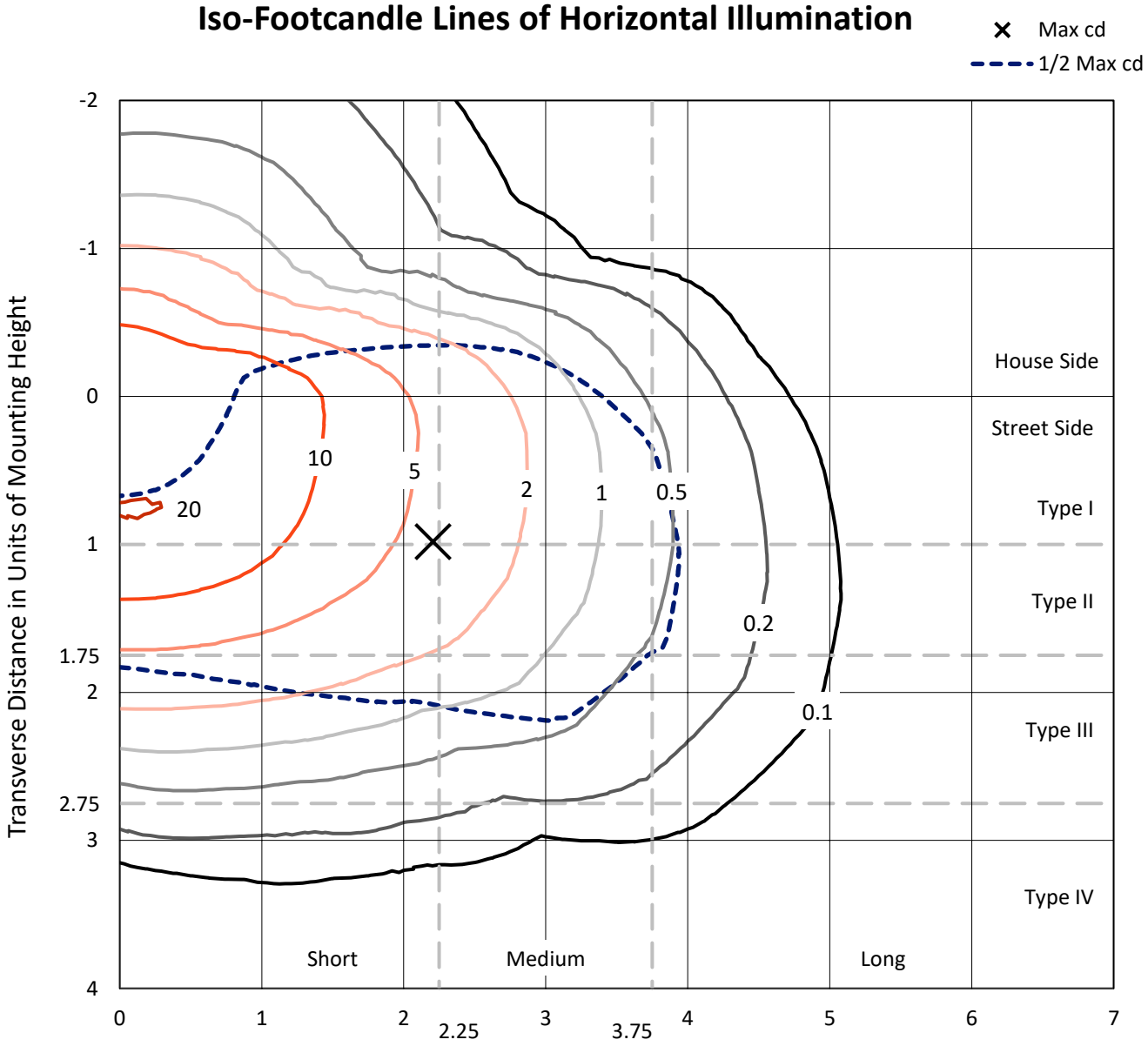


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Iso-Footcandle Lines of Horizontal Illumination



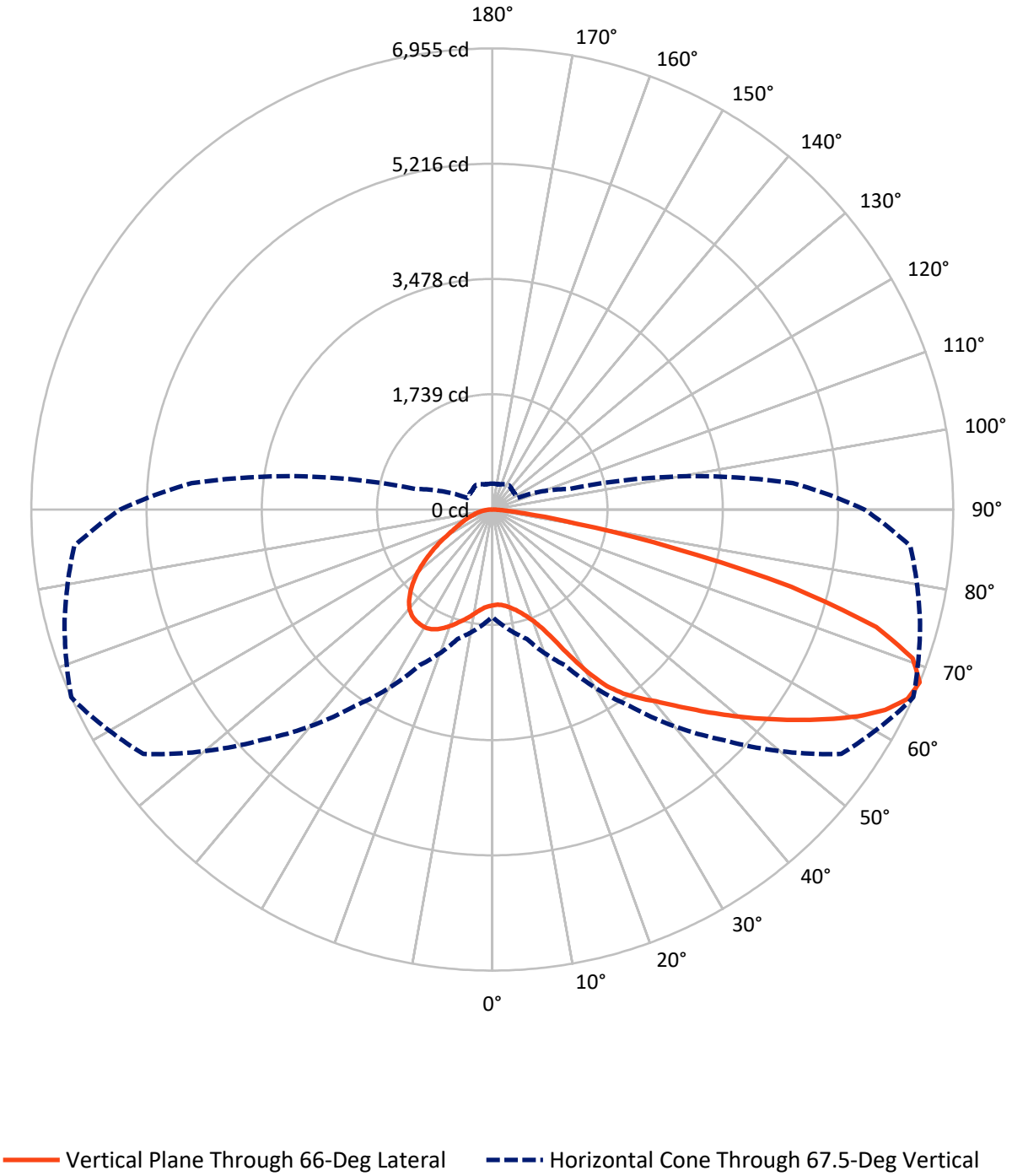
Based on 10 foot mounting height. Maximum calculated value = 20.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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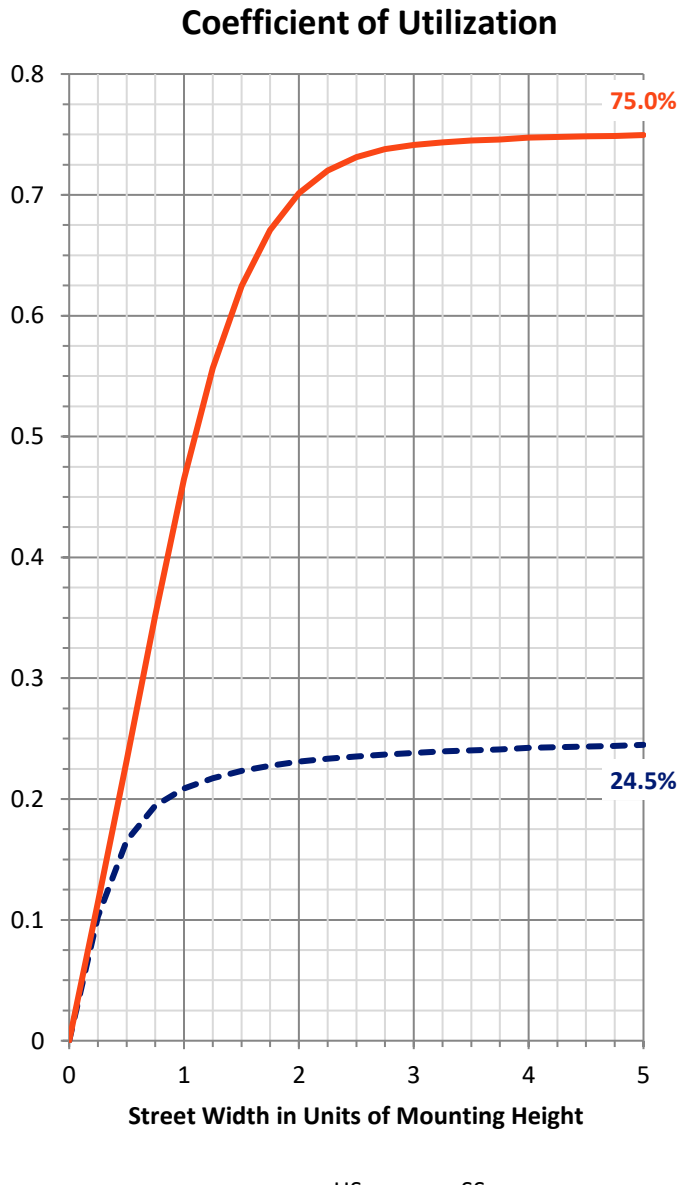
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3239.6	0.0	3239.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	9789.4	0.0	9789.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	13029.0	0.0	13029.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.3	1.1
10°-20°	473.4	3.6
20°-30°	912.4	7.0
30°-40°	1599.7	12.3
40°-50°	2378.3	18.3
50°-60°	3014.7	23.1
60°-70°	2949.8	22.6
70°-80°	1407.1	10.8
80°-90°	150.4	1.2
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°	13029.0	100.0
0°-180°	13029.0	100.0



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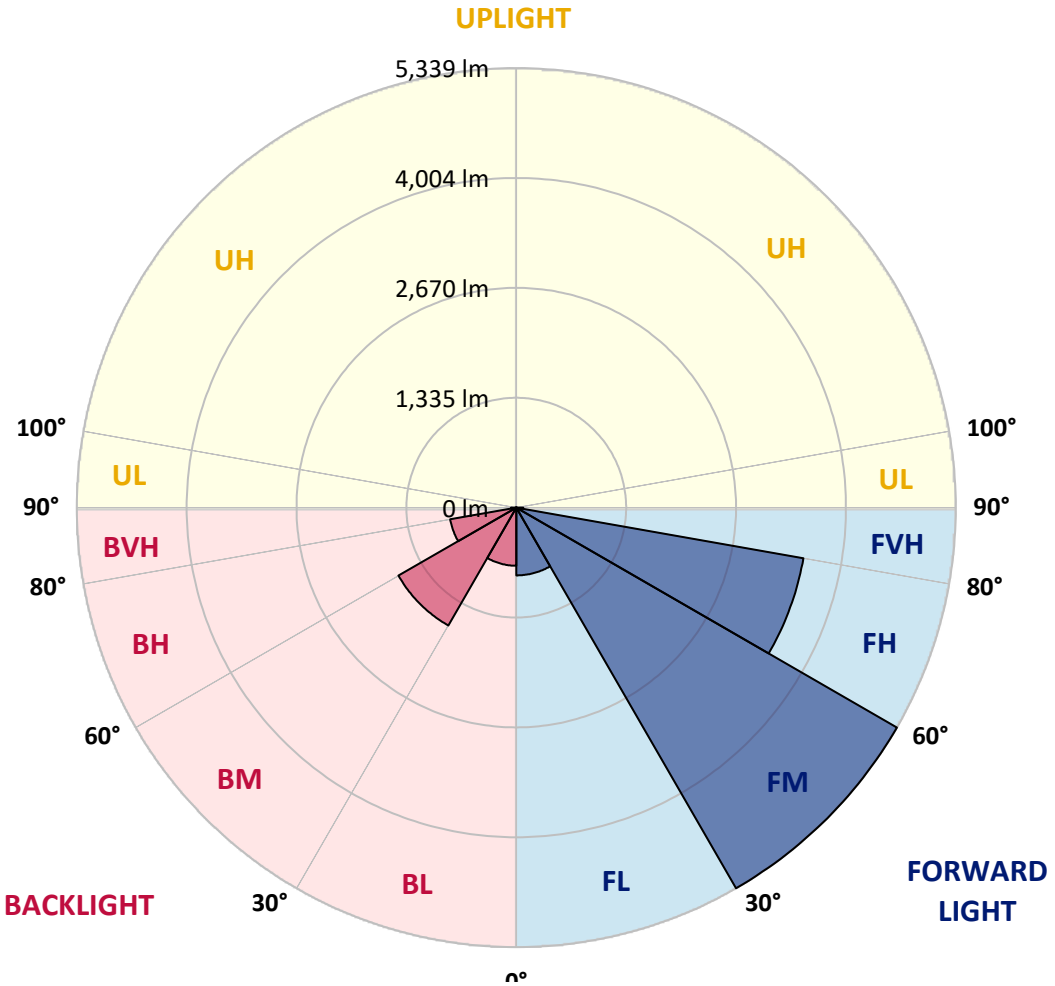
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	823.3	6.3			
FM	(30°-60°)	5339.2	41.0			
FH	(60°-80°)	3541.6	27.2			G2/5000
FVH	(80°-90°)	85.3	0.7			G1/100
BL	(0°-30°)	705.7	5.4	B2/1000		
BM	(30°-60°)	1653.5	12.7	B2/2500		
BH	(60°-80°)	815.3	6.3	B2/1000		G2/1000
BVH	(80°-90°)	65.1	0.5			G1/100
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°	65°	66°	75°	85°
0°	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	*1445.1*	1445.1	1445.1
2.5°	1430.0	1438.2	1436.2	1432.8	1432.1	1433.5	1435.5	1437.6	*1436.9*	1440.3	1445.8
5°	1425.9	1434.1	1433.5	1433.5	1436.2	1441.7	1445.1	1448.5	*1445.1*	1449.2	1456.7
7.5°	1428.7	1434.8	1437.6	1440.3	1447.1	1457.4	1465.6	1473.2	*1469.0*	1473.8	1483.4
10°	1463.6	1468.4	1471.1	1471.1	1475.9	1487.5	1495.7	1509.4	*1506.0*	1513.5	1525.9
12.5°	1527.2	1532.0	1532.0	1529.3	1532.7	1540.2	1543.0	1558.0	*1551.9*	1564.2	1576.5
15°	1605.3	1614.9	1607.3	1602.5	1603.9	1611.4	1610.7	1622.4	*1616.2*	1626.5	1637.4
17.5°	1691.5	1703.8	1691.5	1690.8	1688.1	1696.3	1697.0	1707.3	*1696.3*	1703.8	1711.4
20°	1793.5	1810.6	1800.4	1803.8	1797.6	1801.1	1804.5	1819.5	*1802.4*	1807.9	1805.8
22.5°	1937.3	1957.8	1946.9	1959.9	1955.8	1953.0	1952.3	1979.0	*1952.3*	1954.4	1934.5
25°	2146.8	2171.4	2152.2	2170.0	2170.0	2178.9	2189.2	2223.4	*2178.9*	2165.9	2114.6
27.5°	2456.2	2480.8	2443.2	2454.1	2450.7	2472.6	2461.6	2546.5	*2498.6*	2477.4	2374.0
30°	2828.6	2872.4	2801.2	2798.4	2795.0	2829.9	2845.7	2901.8	*2853.2*	2832.0	2707.4
32.5°	3231.1	3276.9	3192.1	3167.4	3154.4	3175.6	3162.6	3207.8	*3174.3*	3141.4	2987.4
35°	3656.9	3702.1	3621.3	3573.4	3521.3	3476.8	3430.3	3441.9	*3410.4*	3360.5	3201.0
37.5°	4059.4	4142.2	4056.7	4005.3	3909.5	3822.5	3692.5	3638.4	*3609.0*	3563.1	3402.2
40°	4469.4	4516.7	4451.6	4407.8	4303.8	4167.5	3959.4	3845.1	*3805.4*	3760.9	3624.7
42.5°	4771.3	4816.5	4781.6	4751.5	4670.0	4511.9	4242.9	4099.8	*4042.3*	3992.3	3876.6
45°	5010.9	5044.5	5022.6	5033.5	4998.6	4845.3	4536.5	4372.9	*4313.4*	4252.4	4161.4
47.5°	5107.4	5143.0	5177.9	5243.0	5302.5	5189.6	4852.1	4668.6	*4605.7*	4543.4	4453.7
50°	5096.5	5132.8	5234.1	5372.4	5557.2	5519.5	5184.8	4983.5	*4925.3*	4854.2	4771.3
52.5°	5008.9	5049.9	5180.0	5410.0	5704.4	5766.7	5523.6	5308.7	*5253.9*	5169.0	5086.2
55°	4778.9	4803.5	4998.6	5324.4	5739.3	5939.2	5855.7	5655.1	*5600.3*	5481.9	5391.5
57.5°	4352.4	4388.0	4672.1	5093.7	5651.7	6056.2	6147.3	6019.3	*5966.6*	5796.1	5701.6
60°	3795.8	3852.7	4177.8	4706.3	5428.5	6055.5	6412.2	6377.3	*6333.5*	6105.5	6006.9
62.5°	3166.1	3231.8	3544.6	4158.7	5038.3	5883.7	6577.9	6677.1	*6654.5*	6391.0	6265.0
65°	2431.5	2476.7	2788.2	3450.1	4431.1	5514.7	6597.0	6881.8	*6885.9*	6608.0	6399.9
67.5°	*1619.0*	*1749.0*	*2019.4*	*2589.0*	*3617.9*	*4911.7*	*6428.6*	*6915.3*	*6955.0*	*6682.6*	*6332.1*
70°	790.0	961.1	1226.0	1682.6	2589.0	3986.8	5988.5	6640.1	*6728.5*	6464.9	5928.2
72.5°	327.9	383.3	527.8	830.4	1486.2	2690.3	5104.0	5894.0	*6057.6*	5728.3	4984.2
75°	221.1	239.6	301.9	425.8	677.0	1326.7	3680.8	4394.8	*4658.4*	4326.4	3536.4
77.5°	170.5	182.1	219.7	297.8	402.5	501.8	1970.1	2648.5	*2784.8*	2578.0	1840.1
80°	134.2	143.1	164.3	217.0	285.5	268.3	671.5	1200.0	*1278.7*	1072.7	591.5
82.5°	116.4	119.8	117.7	147.2	189.6	156.8	220.4	442.9	*488.8*	354.6	193.0
85°	84.2	93.8	97.9	91.0	100.6	79.4	90.4	156.8	*172.5*	154.0	108.8
87.5°	34.2	50.7	62.3	58.9	37.0	22.6	28.1	45.9	*52.7*	57.5	35.6
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°	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1
2.5°	1446.5	1451.2	1454.7	1458.8	1461.5	1465.6	1473.8	1478.6	1479.3	1482.7	1482.1
5°	1459.5	1466.3	1473.8	1484.8	1497.1	1507.4	1523.1	1534.1	1538.2	1541.6	1540.9
7.5°	1487.5	1497.1	1510.8	1530.0	1547.8	1561.5	1580.6	1593.6	1606.6	1611.4	1612.1
10°	1529.3	1543.0	1562.8	1588.8	1608.0	1625.8	1645.7	1656.6	1669.6	1675.1	1677.8
12.5°	1581.3	1595.7	1621.7	1658.0	1675.8	1688.1	1694.9	1692.2	1694.9	1699.7	1701.1
15°	1640.9	1656.6	1686.1	1725.1	1737.4	1726.4	1711.4	1697.7	1695.6	1697.0	1701.8
17.5°	1711.4	1723.0	1757.2	1790.1	1781.2	1736.0	1703.2	1681.3	1670.3	1666.9	1671.7
20°	1810.0	1810.0	1838.0	1858.6	1799.0	1722.3	1671.0	1635.4	1612.8	1603.2	1601.2
22.5°	1929.8	1918.8	1936.6	1922.2	1795.6	1684.0	1612.8	1551.2	1517.0	1503.3	1501.2
25°	2081.7	2068.7	2063.9	1974.9	1770.9	1623.1	1507.4	1432.8	1402.6	1395.1	1396.5
27.5°	2311.0	2278.2	2215.9	2003.7	1725.8	1527.2	1384.2	1315.0	1297.9	1298.6	1300.6
30°	2616.4	2550.6	2398.0	2008.5	1651.8	1391.7	1258.2	1208.9	1200.7	1204.1	1215.8
32.5°	2899.1	2836.8	2584.2	1986.6	1538.2	1258.9	1145.3	1112.4	1100.1	1104.2	1109.7
35°	3120.9	3103.8	2756.7	1955.8	1398.5	1134.3	1043.9	1015.9	991.9	986.4	990.5
37.5°	3330.3	3323.5	2886.1	1912.6	1260.3	1046.0	962.5	925.5	890.6	871.4	872.1
40°	3560.4	3553.5	2971.0	1846.2	1137.7	969.3	889.2	840.6	797.5	762.6	766.0
42.5°	3819.1	3778.7	3011.3	1751.1	1033.7	904.3	829.7	764.0	707.1	675.0	677.0
45°	4101.8	4010.8	3010.7	1629.9	946.1	844.7	766.0	672.9	620.2	590.1	588.7
47.5°	4401.7	4232.6	2973.7	1495.7	861.2	779.0	667.4	596.2	561.3	542.8	538.7
50°	4711.1	4440.0	2910.7	1341.7	774.2	704.4	605.8	557.2	530.5	513.4	507.3
52.5°	5002.0	4628.3	2834.7	1167.2	685.9	631.8	578.4	540.8	512.7	493.6	485.3
55°	5272.4	4790.5	2727.3	988.5	614.0	583.2	565.4	534.0	501.8	479.2	470.3
57.5°	5512.7	4895.9	2541.7	820.8	562.7	549.7	551.7	522.3	485.3	466.2	453.9
60°	5712.6	4973.3	2267.2	665.4	520.9	516.8	530.5	500.4	457.3	435.4	425.8
62.5°	5832.4	4971.9	1930.4	544.9	485.3	486.7	502.5	473.0	429.2	408.7	402.5
65°	5822.1	4850.0	1560.8	466.2	451.1	452.5	473.0	442.9	405.9	393.6	392.9
67.5°	*5616.1*	*4553.0*	*1197.3*	*414.8*	*413.5*	*419.6*	*443.6*	*422.4*	*391.6*	*390.2*	*392.2*
70°	5058.2	3936.2	862.5	373.8	374.4	383.3	414.8	409.4	384.0	386.8	386.1
72.5°	4056.0	3001.1	579.1	330.6	331.3	345.7	387.5	399.1	376.5	412.8	418.3
75°	2701.2	1871.6	372.4	284.8	285.5	303.9	363.5	379.2	356.0	411.4	414.8
77.5°	1297.9	841.3	269.7	239.6	239.6	256.7	314.2	339.5	303.3	319.7	293.0
80°	448.4	316.3	212.2	193.0	188.9	200.6	264.9	294.4	261.5	241.0	225.9
82.5°	176.6	164.3	170.5	149.9	136.2	143.8	206.1	243.0	192.4	173.9	173.2
85°	101.3	106.8	120.5	99.3	78.7	88.3	151.3	174.6	145.1	128.0	130.7
87.5°	27.4	37.7	55.4	51.3	35.6	37.7	71.9	96.5	83.5	64.3	66.4
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)