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: P1202713

Luminaire Tested: GWC-SB2A-827-U-SL2

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202713
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-827-U-SL2
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7751 lumens
Efficiency:	N/A
Efficacy:	135.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G2

Input Watts (W):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

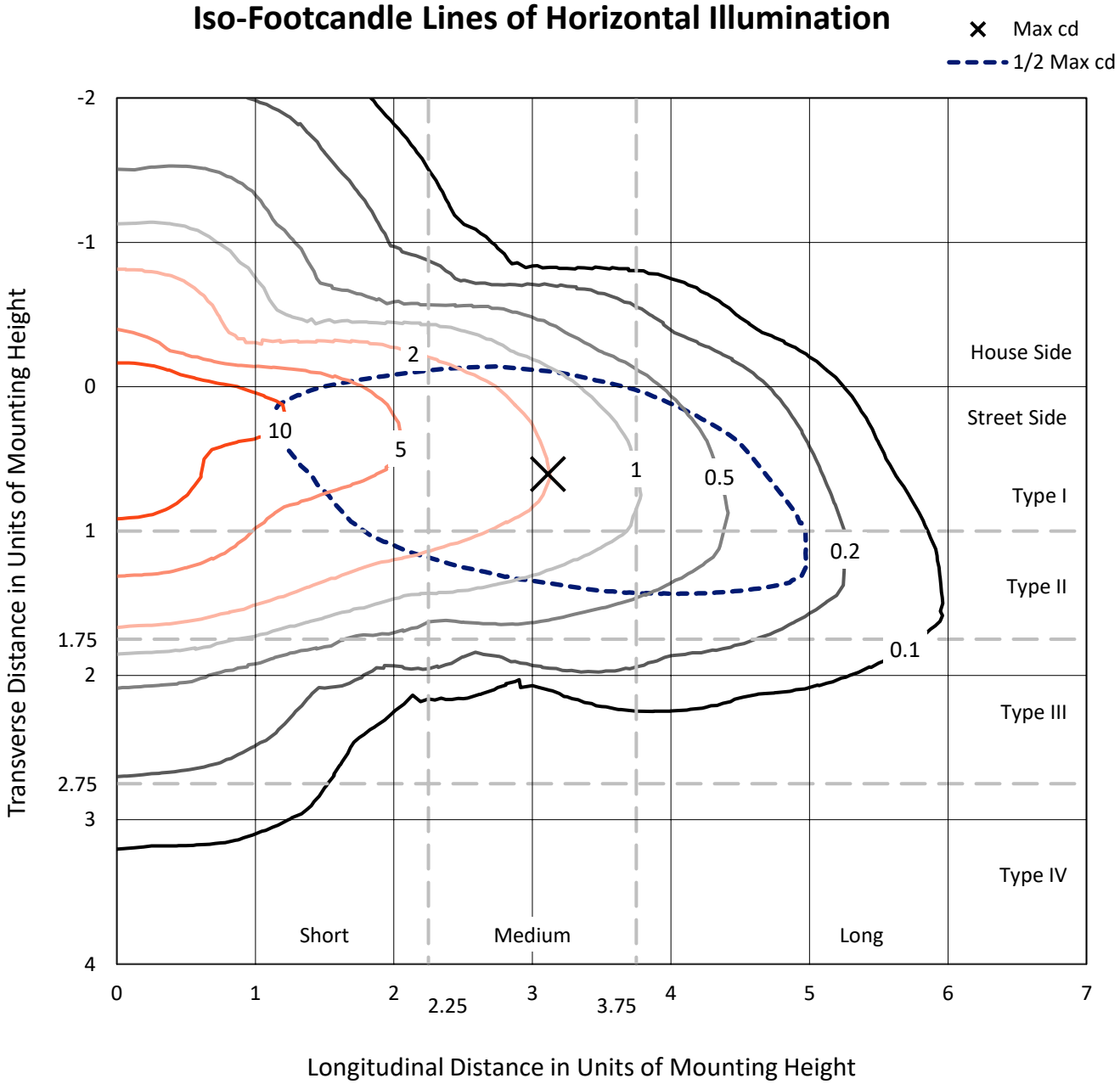


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Iso-Footcandle Lines of Horizontal Illumination



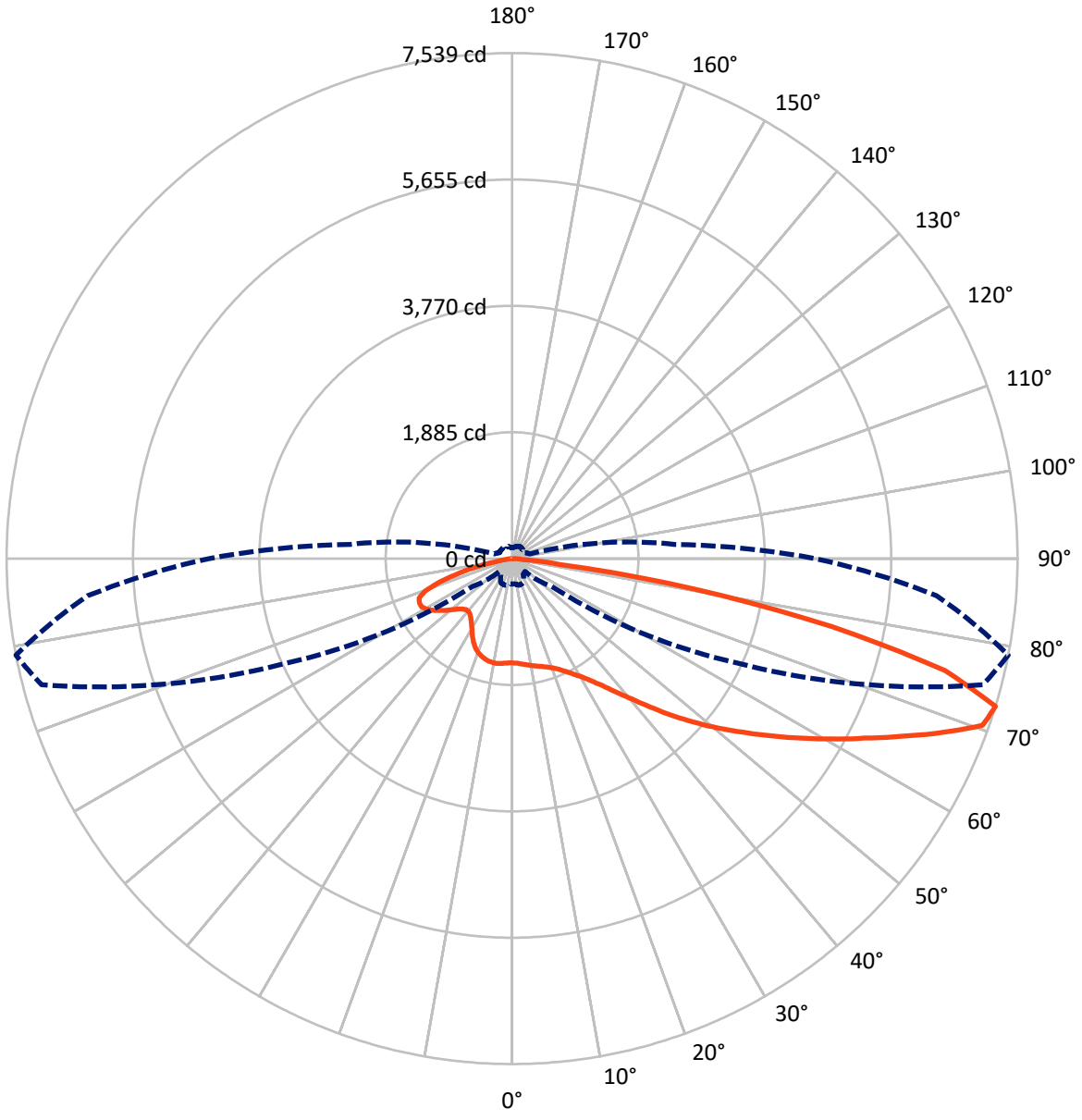
Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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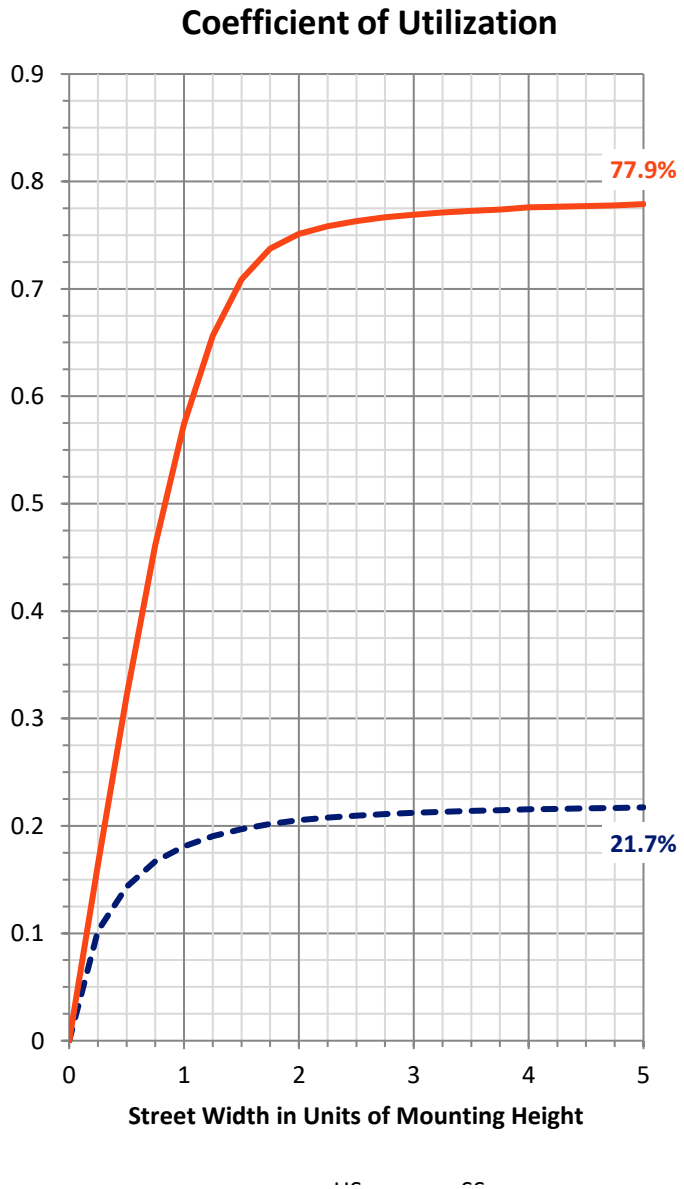
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1705.6	0.0	1705.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	6045.3	0.0	6045.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	7751.0	0.0	7751.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	1.8
10°-20°	369.3	4.8
20°-30°	595.8	7.7
30°-40°	894.3	11.5
40°-50°	1268.6	16.4
50°-60°	1602.0	20.7
60°-70°	1627.1	21.0
70°-80°	1108.9	14.3
80°-90°	143.9	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°	7751.0	100.0
0°-180°	7751.0	100.0



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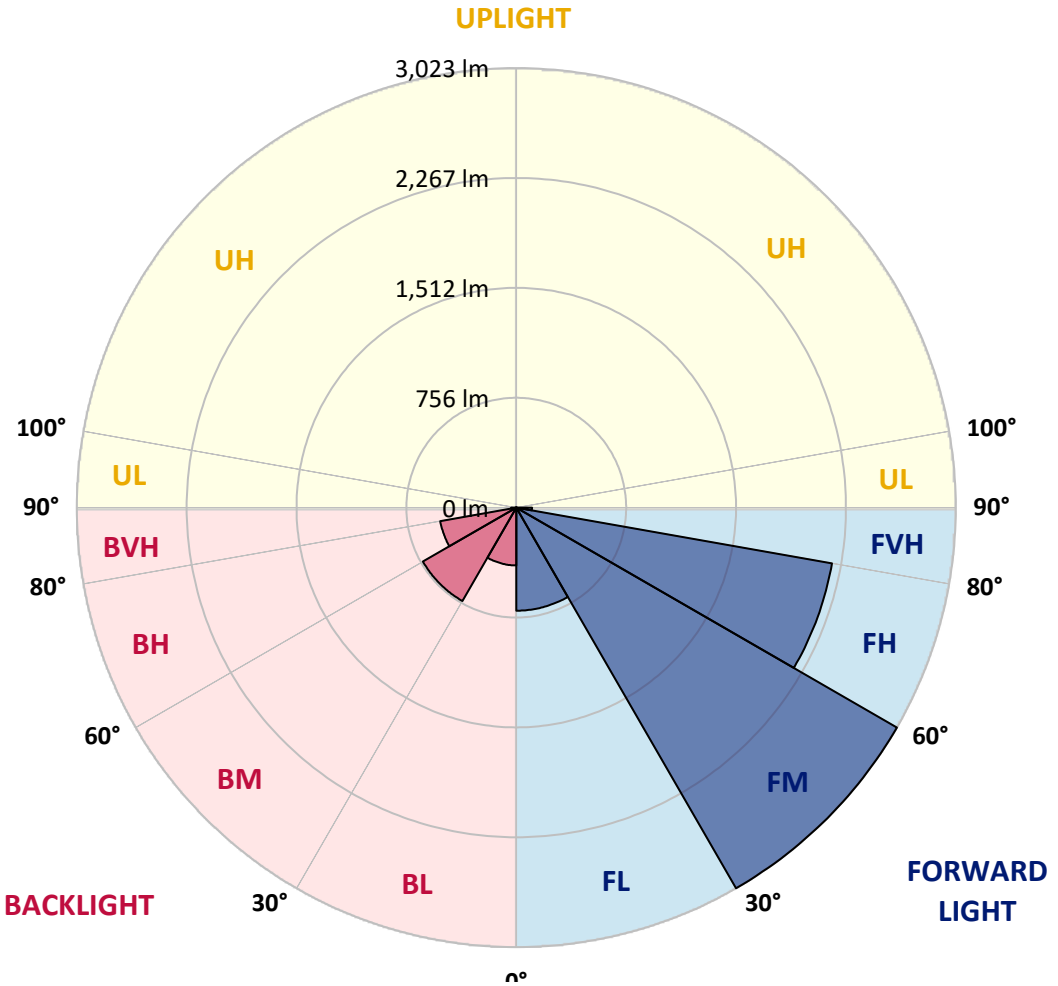
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	709.0	9.1			
FM	(30°-60°)	3023.0	39.0			
FH	(60°-80°)	2204.9	28.4			G2/5000
FVH	(80°-90°)	108.4	1.4			G2/225
BL	(0°-30°)	397.3	5.1	B1/500		
BM	(30°-60°)	741.8	9.6	B1/1000		
BH	(60°-80°)	531.1	6.9	B2/1000		G2/1000
BVH	(80°-90°)	35.5	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1555.9	1555.9	1555.9	1555.9	1555.9	1555.9	1555.9	1555.9	1555.9	*1555.9*	1555.9
2.5°	1556.8	1549.4	1553.9	1552.2	1554.3	1556.8	1557.6	1558.8	1562.9	*1562.5*	1562.1
5°	1553.5	1546.1	1552.2	1550.2	1555.5	1561.3	1566.2	1570.7	1577.3	*1580.1*	1576.0
7.5°	1546.5	1541.6	1547.7	1553.9	1563.7	1572.3	1579.3	1589.6	1599.0	*1600.6*	1603.5
10°	1505.9	1502.2	1516.6	1532.6	1559.6	1583.0	1598.2	1610.1	1620.3	*1621.9*	1626.0
12.5°	1463.7	1459.2	1475.2	1496.9	1540.8	1583.0	1615.0	1630.6	1639.6	*1644.9*	1651.1
15°	1456.7	1453.0	1462.1	1480.9	1517.4	1571.9	1626.5	1655.2	1662.9	*1669.1*	1671.6
17.5°	1490.3	1483.4	1487.1	1493.6	1514.9	1561.7	1635.5	1683.0	1694.9	*1701.5*	1701.5
20°	1568.2	1558.4	1552.7	1539.5	1535.8	1563.3	1634.7	1716.7	1732.2	*1740.4*	1742.5
22.5°	1672.0	1665.4	1653.1	1619.9	1583.8	1583.4	1650.2	1759.7	1788.8	*1796.6*	1791.7
25°	1797.4	1787.6	1772.0	1726.9	1657.6	1623.2	1676.5	1814.6	1863.4	*1865.5*	1851.1
27.5°	1941.7	1927.0	1905.7	1846.2	1752.7	1685.5	1716.7	1877.8	1949.1	*1948.3*	1918.8
30°	2093.9	2079.1	2056.5	1984.4	1866.7	1769.5	1772.4	1945.8	2050.8	*2046.3*	1995.9
32.5°	2205.0	2193.9	2189.4	2133.6	1997.9	1868.8	1836.4	2021.3	2176.3	*2172.2*	2101.6
35°	2290.2	2275.9	2281.2	2252.9	2141.0	1979.9	1914.7	2111.1	2328.8	*2328.4*	2240.6
37.5°	2374.7	2362.0	2366.5	2347.6	2273.4	2120.9	2010.2	2221.0	2517.8	*2526.8*	2408.7
40°	2451.8	2438.3	2456.3	2438.7	2376.3	2271.0	2118.9	2345.2	2736.7	*2754.0*	2612.1
42.5°	2498.1	2487.5	2517.4	2517.8	2465.7	2397.7	2238.2	2482.1	2990.1	*3028.6*	2862.2
45°	2514.1	2510.4	2555.5	2564.9	2544.9	2471.1	2345.6	2631.4	3263.2	*3332.0*	3147.1
47.5°	2496.9	2489.9	2552.2	2587.1	2603.1	2505.5	2434.6	2792.9	3542.0	*3642.8*	3457.9
50°	2410.0	2396.4	2489.1	2562.5	2619.5	2528.0	2524.4	2979.4	3858.9	*3969.2*	3770.3
52.5°	2253.8	2243.5	2348.9	2476.4	2583.4	2539.1	2625.2	3183.2	4159.8	*4302.5*	4090.5
55°	2054.1	2040.6	2156.6	2323.0	2493.6	2535.4	2726.1	3411.2	4514.9	*4659.6*	4421.4
57.5°	1737.6	1710.5	1857.3	2054.1	2347.2	2530.9	2831.0	3637.9	4875.7	*5049.1*	4774.4
60°	1275.9	1235.7	1415.7	1649.0	2061.1	2487.0	2961.0	3892.1	5308.6	*5464.9*	5159.8
62.5°	742.9	719.5	837.2	1054.9	1553.5	2228.7	3034.0	4187.7	5734.2	*5898.2*	5538.7
65°	576.9	570.3	580.6	597.4	864.7	1668.7	2808.9	4475.9	6275.4	*6390.2*	5933.5
67.5°	527.7	522.7	527.3	495.7	438.7	929.5	2222.2	4548.9	6855.2	*6924.9*	6279.1
70°	469.0	463.3	478.1	451.0	345.2	422.7	1435.8	4284.1	7316.4	*7447.2*	6541.9
72.5°	*382.1*	*375.6*	*410.0*	*397.7*	*290.7*	*271.4*	*721.2*	*3654.7*	*7268.0*	*7539.4*	*6353.7*
75°	293.6	289.9	330.9	341.1	237.0	213.6	346.0	2716.6	6396.0	*6669.4*	5475.9
77.5°	228.0	225.1	246.0	283.3	191.1	165.6	212.8	1723.2	4819.9	*4867.9*	3773.6
80°	171.0	162.8	182.0	219.3	148.8	120.9	144.3	1004.9	3046.7	*2761.7*	1642.4
82.5°	107.0	102.9	118.9	146.4	105.0	83.2	93.9	555.1	1221.0	*719.1*	316.9
85°	61.1	59.4	64.8	83.6	57.0	48.0	53.7	245.2	223.0	*153.3*	95.5
87.5°	24.6	23.8	29.5	37.3	20.9	17.6	18.9	59.0	49.2	*45.5*	31.6
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°	1555.9	1555.9	1555.9	1555.9	1555.9	1555.9	1555.9	1555.9	1555.9	1555.9	1555.9
2.5°	1560.4	1560.4	1554.7	1545.7	1535.4	1528.9	1518.2	1515.3	1504.3	1501.0	1506.3
5°	1579.3	1576.0	1558.4	1533.0	1498.1	1466.2	1430.9	1408.8	1377.6	1366.5	1374.7
7.5°	1603.1	1594.1	1563.7	1508.0	1435.0	1363.2	1288.6	1232.0	1177.9	1158.7	1161.1
10°	1624.8	1612.1	1560.4	1462.9	1336.6	1212.4	1093.5	1010.2	947.1	921.3	927.0
12.5°	1646.5	1623.2	1538.7	1387.8	1196.8	1028.3	901.6	836.8	797.9	766.7	776.9
15°	1667.0	1634.2	1505.1	1287.4	1043.4	872.5	779.0	727.3	696.2	675.7	679.4
17.5°	1690.8	1643.7	1454.7	1159.9	897.5	764.6	688.4	657.2	651.1	648.6	650.3
20°	1724.0	1652.3	1388.3	1017.2	790.1	678.5	639.2	636.3	635.9	634.7	638.8
22.5°	1759.7	1662.5	1300.5	887.6	698.6	624.8	617.9	612.1	608.4	608.0	612.5
25°	1801.9	1665.8	1190.6	781.5	620.7	599.4	591.2	582.6	580.1	580.1	582.6
27.5°	1842.9	1654.7	1062.7	689.2	576.9	576.0	565.4	562.5	562.1	563.3	566.6
30°	1883.9	1633.8	935.6	603.9	551.4	551.4	547.8	549.8	551.4	555.5	558.4
32.5°	1939.3	1611.7	829.4	540.8	529.3	525.2	528.9	533.0	534.6	540.0	544.5
35°	2020.5	1596.1	745.0	506.3	506.3	501.0	503.1	502.2	498.6	496.1	501.8
37.5°	2127.9	1595.3	675.3	490.4	487.1	486.3	486.7	481.3	467.0	449.8	450.2
40°	2257.0	1617.4	621.6	479.3	476.8	481.7	479.3	464.9	425.6	395.6	394.8
42.5°	2430.5	1680.6	587.1	465.8	473.1	479.3	469.4	419.8	393.2	373.1	372.3
45°	2634.6	1783.1	569.5	451.4	466.2	473.5	426.0	404.3	382.9	358.7	357.1
47.5°	2865.9	1912.2	565.4	437.9	450.6	455.1	407.5	397.7	373.5	347.3	345.2
50°	3117.6	2065.2	576.5	421.9	428.0	412.5	401.4	392.4	367.4	341.5	338.7
52.5°	3378.0	2233.7	598.6	400.2	405.5	388.3	398.9	391.1	363.7	328.8	326.4
55°	3633.8	2403.4	619.9	374.7	382.5	366.5	392.0	386.2	346.9	307.5	305.4
57.5°	3893.7	2572.3	640.8	352.2	360.4	345.6	380.9	373.1	328.0	287.8	287.0
60°	4163.9	2736.3	650.7	330.5	336.2	326.4	364.1	350.5	306.7	267.7	266.5
62.5°	4416.9	2872.9	634.7	308.7	312.4	308.3	341.9	323.9	285.4	245.2	244.8
65°	4670.7	2954.0	585.5	287.4	288.2	286.2	310.8	295.2	260.3	225.5	223.0
67.5°	4900.7	2999.5	507.2	264.4	262.4	261.6	281.7	264.0	236.2	205.8	203.4
70°	4949.5	2883.9	387.4	237.4	237.4	235.3	249.7	231.6	209.5	184.9	184.1
72.5°	*4520.6*	*2426.0*	*275.1*	*206.6*	*209.9*	*205.8*	*217.7*	*202.5*	*182.4*	*166.0*	*161.1*
75°	3645.3	1779.0	200.1	175.1	180.8	173.8	184.9	174.2	157.0	156.6	141.0
77.5°	2504.7	1100.0	145.1	144.3	148.4	139.4	152.1	146.4	130.8	123.8	116.0
80°	1068.9	438.7	105.8	111.5	111.5	103.3	118.1	119.7	106.2	102.9	102.9
82.5°	212.8	124.6	74.2	76.7	72.2	69.7	83.6	92.7	127.9	142.3	142.7
85°	64.0	45.9	44.7	41.8	36.9	37.3	49.2	93.1	114.8	65.6	56.6
87.5°	17.6	11.5	11.9	9.4	7.8	10.2	16.8	70.5	38.5	16.4	13.9
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)