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: P1201233

Luminaire Tested: GWC-SB1A-827-U-T4W

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201233
	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-SB1A-827-U-T4W
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3913 lumens
Efficiency:	N/A
Efficacy:	126.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	30.9
Input Voltage (V):	120.0
Input Current (Ain):	0.263
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	6.356
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

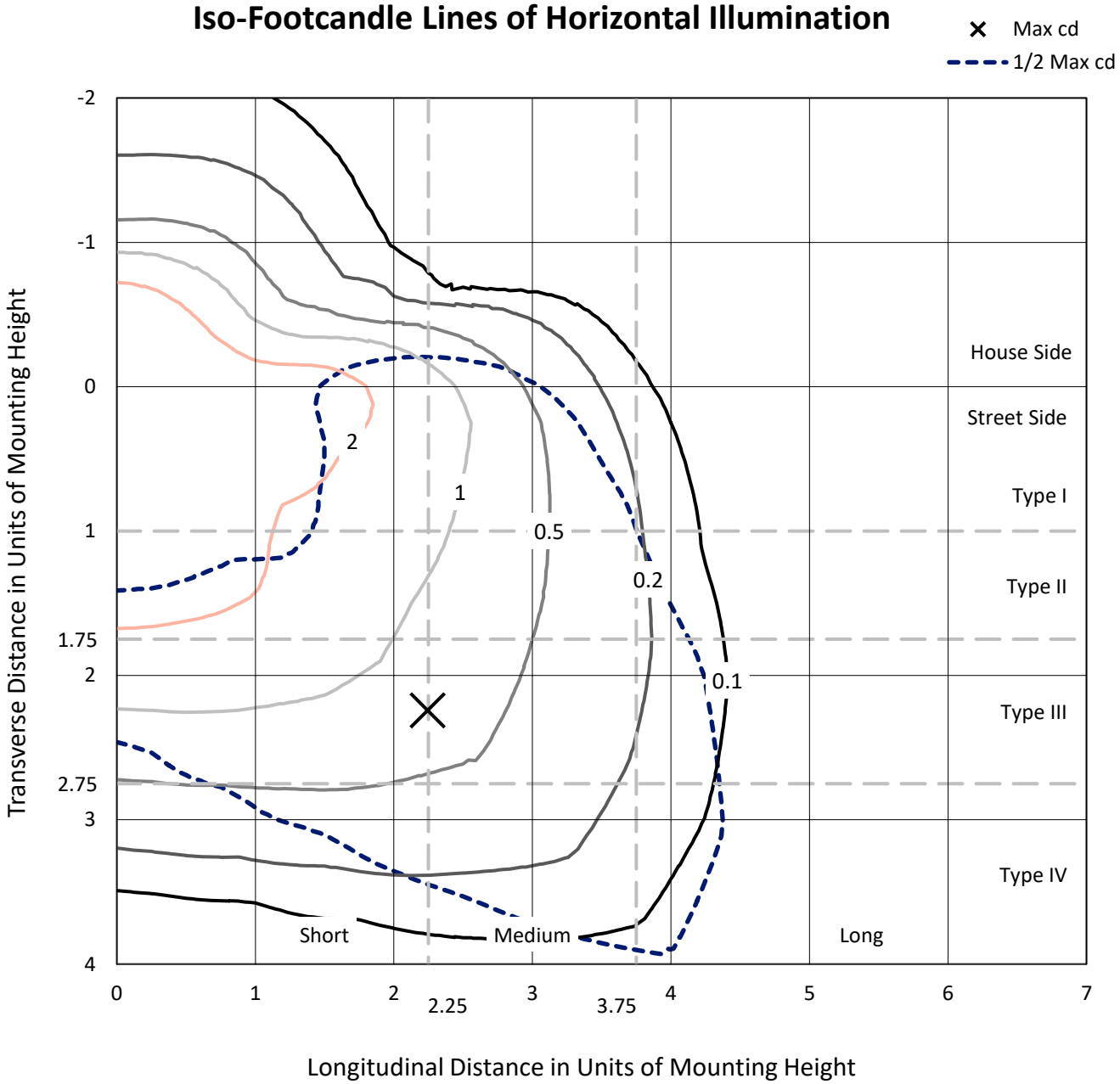


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Iso-Footcandle Lines of Horizontal Illumination



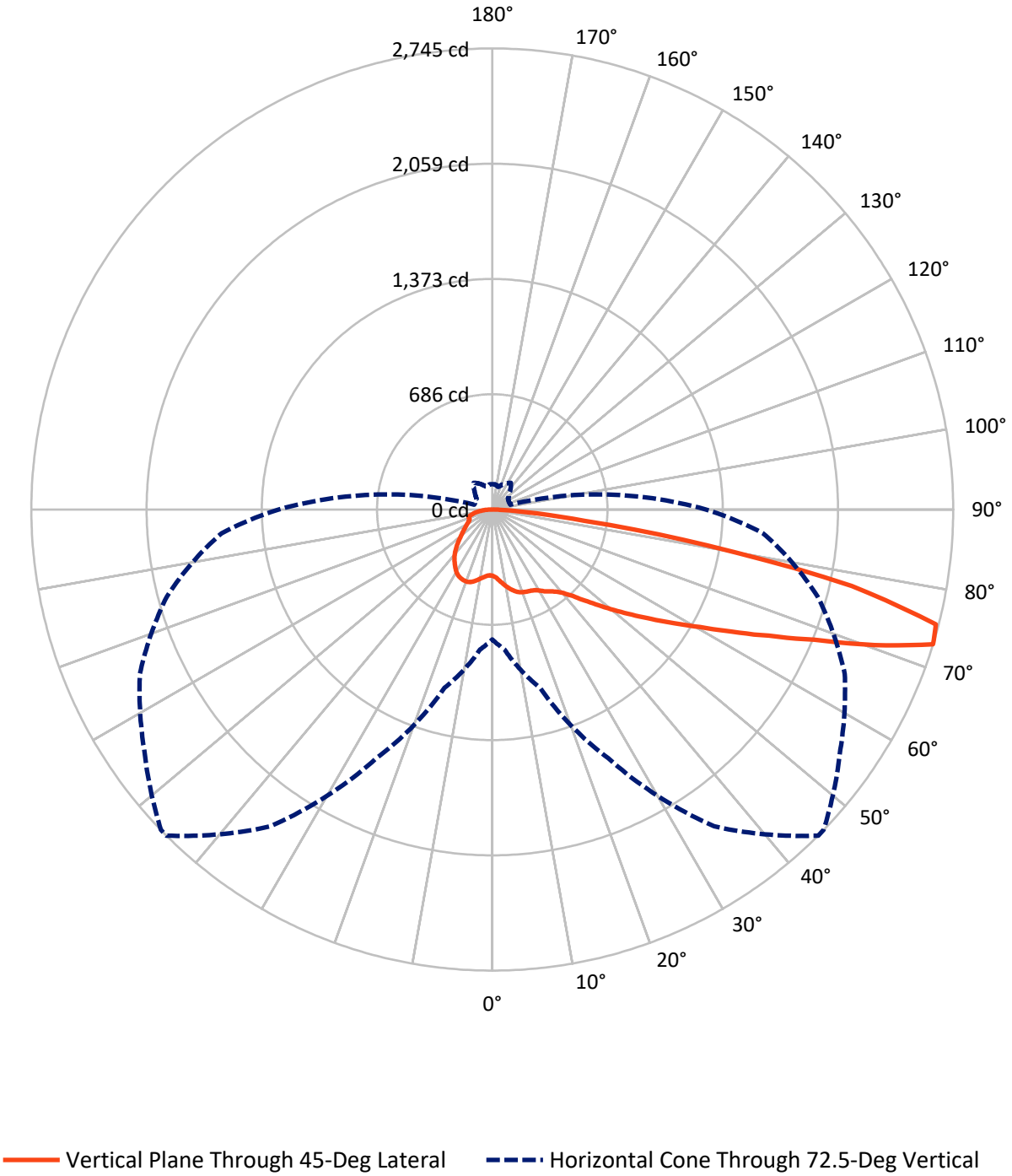
Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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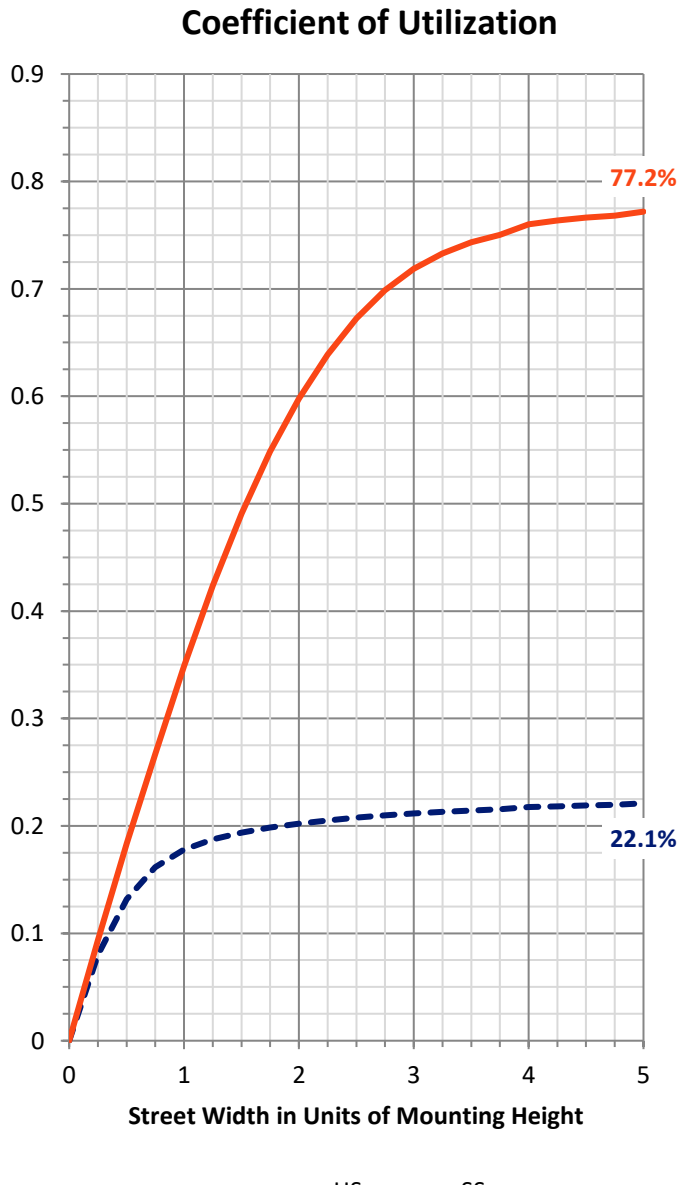
REPORT NUMBER: P1201233
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	884.6	0.0	884.6
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	3028.4	0.0	3028.4
	% Fixture	77.4	0.0	77.4
Total	Lumens	3913.0	0.0	3913.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.2	1.0
10°-20°	134.0	3.4
20°-30°	233.0	6.0
30°-40°	334.1	8.5
40°-50°	470.4	12.0
50°-60°	720.5	18.4
60°-70°	1043.7	26.7
70°-80°	833.5	21.3
80°-90°	103.8	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°	3913.0	100.0
0°-180°	3913.0	100.0



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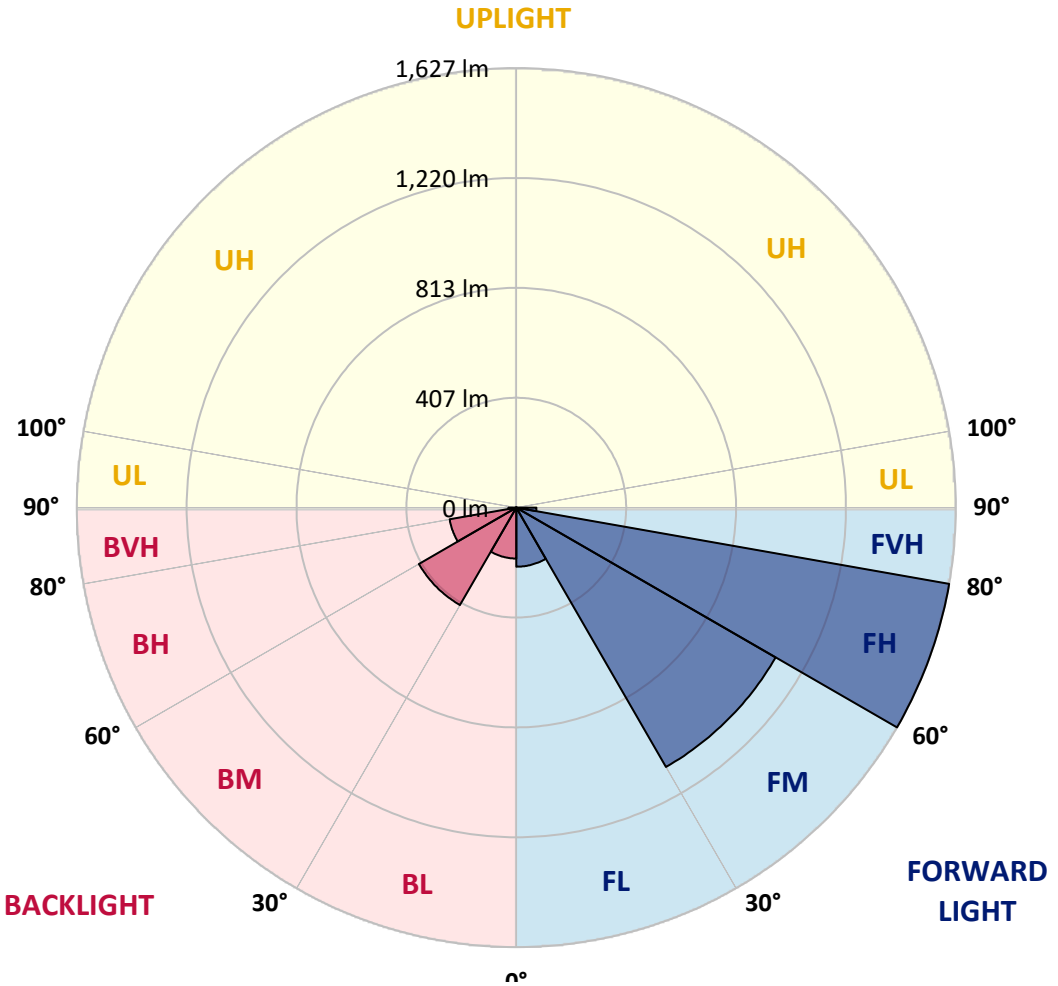
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	218.8	5.6			
FM	(30°-60°)	1108.4	28.3			
FH	(60°-80°)	1626.7	41.6			G1/1800
FVH	(80°-90°)	74.5	1.9			G1/100
BL	(0°-30°)	188.3	4.8	B1/500		
BM	(30°-60°)	416.5	10.6	B1/1000		
BH	(60°-80°)	250.4	6.4	B1/500		G1/500
BVH	(80°-90°)	29.3	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	394.7	394.7	394.7	394.7	394.7	394.7	394.7	394.7	394.7	394.7	394.7
2.5°	410.2	412.9	410.4	408.1	407.1	404.4	404.2	402.6	401.5	398.7	397.8
5°	438.9	442.4	438.2	433.7	429.6	423.0	422.2	417.4	412.1	405.9	402.4
7.5°	471.2	474.3	469.6	462.8	455.6	444.6	444.4	435.8	427.3	416.8	410.8
10°	499.5	503.6	497.2	487.9	478.8	466.5	465.0	455.1	444.4	430.8	421.7
12.5°	524.4	527.3	521.1	509.8	499.3	486.9	485.0	474.1	462.2	446.7	435.1
15°	544.2	547.9	539.7	527.5	516.4	504.2	502.6	492.7	480.7	464.4	449.6
17.5°	557.2	560.3	551.8	538.2	527.5	517.4	516.2	507.9	497.4	480.9	465.0
20°	562.1	565.4	556.6	542.7	532.9	525.0	524.4	518.4	511.2	496.2	480.1
22.5°	567.1	570.2	558.6	544.2	535.5	530.6	530.4	526.5	523.6	511.2	495.5
25°	587.1	587.9	572.4	551.6	539.2	534.9	534.7	534.5	535.7	526.1	512.2
27.5°	604.4	604.2	591.0	571.4	552.2	543.2	543.0	545.0	548.9	540.9	529.6
30°	629.7	627.5	611.8	591.4	573.9	559.9	558.6	556.8	559.9	553.5	546.9
32.5°	683.5	676.3	651.0	614.7	591.8	581.1	579.4	567.9	569.1	565.2	561.9
35°	760.6	751.2	717.3	658.8	614.1	598.8	598.0	583.4	580.9	577.4	578.6
37.5°	852.4	840.6	801.2	722.7	652.4	619.4	618.2	605.0	594.9	591.2	598.2
40°	944.5	929.7	897.1	800.6	708.9	653.9	649.9	629.9	618.4	612.2	627.1
42.5°	1034.0	1021.6	993.8	888.0	778.6	704.2	695.5	661.3	652.6	646.8	673.6
45°	1113.1	1102.0	1081.6	981.4	860.2	772.6	764.1	708.3	705.6	705.6	744.3
47.5°	1177.4	1175.0	1153.3	1076.6	956.5	850.5	835.9	773.6	780.8	792.0	844.7
50°	1248.8	1242.0	1218.9	1170.4	1069.6	939.8	927.8	853.8	880.8	911.3	989.9
52.5°	1314.3	1318.0	1292.3	1268.1	1197.4	1039.3	1018.3	948.4	1006.8	1057.3	1159.9
55°	1381.7	1381.9	1374.7	1371.4	1331.4	1149.4	1126.3	1062.2	1155.0	1217.6	1358.2
57.5°	1445.0	1445.4	1456.1	1485.2	1486.8	1276.4	1250.2	1202.0	1319.7	1383.6	1562.7
60°	1501.5	1504.4	1533.6	1601.7	1623.5	1421.9	1397.2	1367.1	1489.9	1554.2	1777.7
62.5°	1520.4	1531.0	1596.1	1692.8	1758.5	1600.4	1576.1	1558.2	1668.9	1728.6	1957.4
65°	1488.3	1512.4	1638.3	1768.0	1897.5	1812.5	1788.4	1768.8	1854.8	1911.1	2105.0
67.5°	1409.3	1440.5	1635.9	1847.0	2066.1	2067.7	2045.3	1999.3	2054.1	2075.8	2153.1
70°	1201.3	1247.9	1491.8	1876.4	2259.6	2416.7	2395.1	2276.7	2253.0	2148.3	2017.8
72.5°	774.0	836.7	1098.5	1633.8	2302.7	2745.1	2743.8	2527.2	2315.9	2007.3	1618.4
75°	282.4	320.7	510.4	1025.5	1932.9	2728.4	2736.4	2484.3	2114.1	1550.5	1008.2
77.5°	102.9	112.5	166.6	394.1	1188.8	2189.1	2205.8	1986.1	1504.8	778.2	399.5
80°	54.0	59.4	85.3	153.0	509.4	1300.1	1326.3	1180.3	707.2	234.4	119.8
82.5°	29.9	32.4	47.8	83.1	229.4	555.9	571.6	466.3	248.8	99.4	49.5
85°	16.1	17.1	22.5	45.3	112.1	192.7	197.1	139.3	99.2	58.3	23.9
87.5°	4.7	5.8	7.4	14.4	43.9	43.3	44.3	27.6	39.2	29.5	7.8
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°	394.7	394.7	394.7	394.7	394.7	394.7	394.7	394.7	394.7	394.7	394.7
2.5°	396.6	396.0	393.7	392.7	391.4	391.2	392.3	392.5	392.7	392.9	393.7
5°	400.3	398.2	396.2	395.0	395.4	395.6	397.6	399.1	400.1	400.9	401.3
7.5°	407.5	405.9	402.4	402.2	402.8	404.6	407.3	410.6	412.5	413.9	414.3
10°	418.2	415.2	411.0	411.6	412.9	415.6	421.1	423.8	426.9	429.6	429.0
12.5°	429.2	426.5	421.7	422.2	424.2	429.0	434.3	437.6	439.7	441.7	442.6
15°	443.4	438.7	433.5	433.5	437.2	442.4	444.8	447.5	448.8	451.0	451.8
17.5°	458.0	451.8	445.0	444.6	449.2	451.6	453.1	453.5	453.9	456.4	457.2
20°	472.7	465.9	456.2	455.3	456.4	456.0	455.8	455.3	456.0	459.1	460.3
22.5°	487.1	479.3	465.9	462.2	459.3	455.3	455.1	454.9	455.3	458.4	460.5
25°	504.0	494.5	476.6	465.4	455.8	450.4	451.0	451.2	451.6	454.1	457.4
27.5°	522.3	511.8	486.5	464.4	446.9	443.2	442.2	442.8	444.2	448.1	452.1
30°	540.7	528.3	495.5	460.3	435.8	430.6	427.3	428.8	433.3	437.2	441.5
32.5°	557.4	545.0	502.8	451.2	421.5	413.5	409.2	411.0	415.6	417.0	422.2
35°	577.0	563.0	505.9	436.8	406.1	393.7	387.9	385.3	387.5	386.1	390.6
37.5°	598.8	584.2	505.4	417.8	387.9	373.7	365.7	355.6	350.8	345.9	349.0
40°	631.2	610.2	500.5	395.0	365.5	352.5	338.1	320.9	310.2	300.5	301.2
42.5°	675.3	646.2	491.4	369.8	340.1	328.0	308.4	288.4	271.5	255.4	254.0
45°	741.0	693.4	480.1	343.0	312.7	300.7	279.5	257.0	237.9	217.3	214.8
47.5°	835.9	756.9	469.4	312.5	283.8	272.9	253.8	232.9	210.3	190.3	188.0
50°	966.1	848.0	459.5	282.8	255.4	247.2	231.9	210.7	187.8	171.7	170.7
52.5°	1131.9	971.9	455.3	254.2	228.8	225.7	213.6	193.8	172.1	158.5	157.5
55°	1322.1	1120.1	455.3	226.7	205.5	206.5	198.1	179.7	161.0	148.8	147.6
57.5°	1516.3	1270.2	447.1	201.4	185.7	190.1	184.7	168.6	151.7	139.1	137.1
60°	1695.2	1395.9	413.7	178.3	168.2	175.0	171.5	157.7	137.1	126.6	124.9
62.5°	1832.7	1466.8	349.4	160.0	153.8	161.6	159.8	143.3	134.4	130.1	128.6
65°	1901.6	1455.3	267.1	143.7	141.6	153.8	149.9	149.2	142.2	137.3	135.6
67.5°	1859.3	1355.9	193.8	131.7	134.6	146.6	161.6	164.1	151.1	141.4	139.8
70°	1674.0	1176.2	144.3	120.4	125.7	146.8	184.3	171.7	148.2	136.9	135.0
72.5°	*1273.5*	*877.1*	*111.9*	*108.4*	*114.2*	*147.8*	*194.4*	*168.2*	*140.0*	*151.3*	*150.1*
75°	728.3	481.5	89.9	93.8	99.8	138.1	189.2	159.1	133.6	138.9	138.9
77.5°	277.7	185.1	74.2	79.4	80.2	120.6	181.0	158.5	127.2	124.1	113.2
80°	96.3	72.4	61.4	63.1	62.0	107.2	173.6	137.9	104.1	93.2	90.1
82.5°	39.4	36.1	48.6	46.6	44.1	83.3	140.2	112.8	85.1	75.2	74.4
85°	17.1	22.9	32.2	28.2	25.6	57.7	112.3	95.4	71.9	62.0	61.8
87.5°	3.5	8.7	13.6	12.8	13.2	38.5	79.8	67.8	50.9	38.1	29.9
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)