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: P1201606

Luminaire Tested: GWC-SB1B-827-U-T4W-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201606
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1B-827-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3792 lumens
Efficiency:	N/A
Efficacy:	95.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B0 - U0 - G2

Input Watts (W):	39.8
Input Voltage (V):	120.0
Input Current (Ain):	0.33
Voltage Rise (V):	NR
Power Factor:	0.996
Total Harmonic Distortion (THDi):	5.305
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

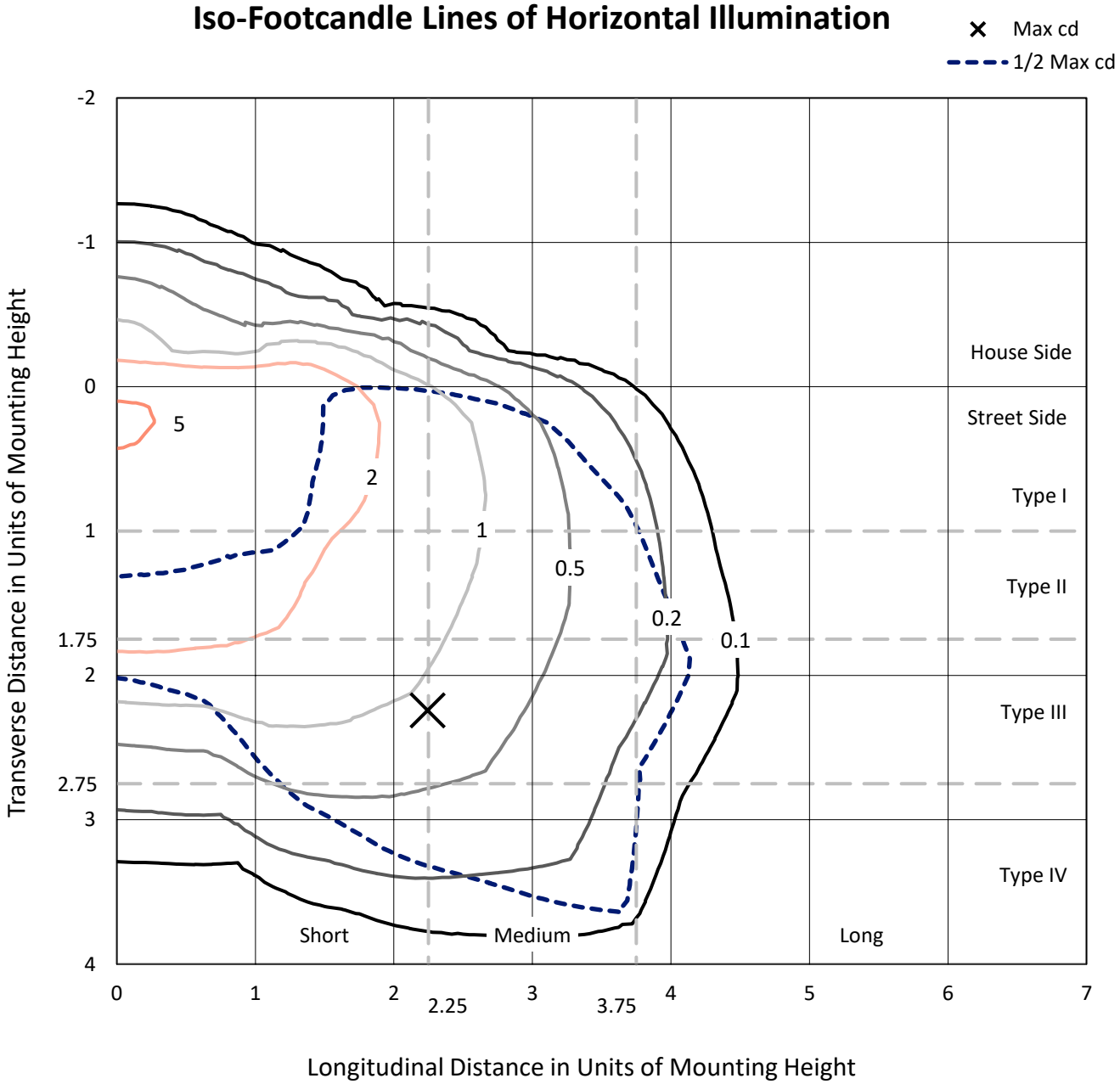


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Iso-Footcandle Lines of Horizontal Illumination



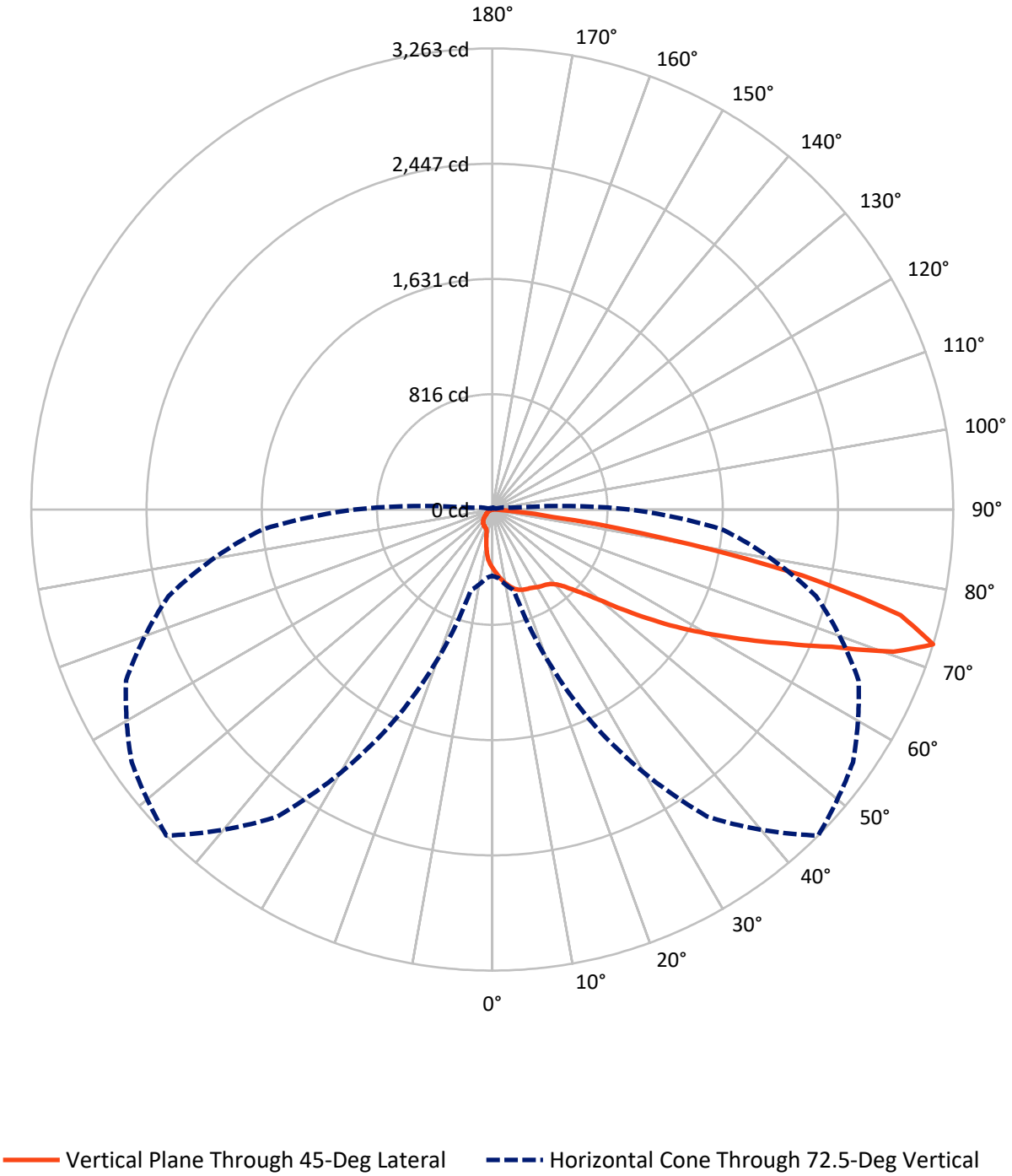
Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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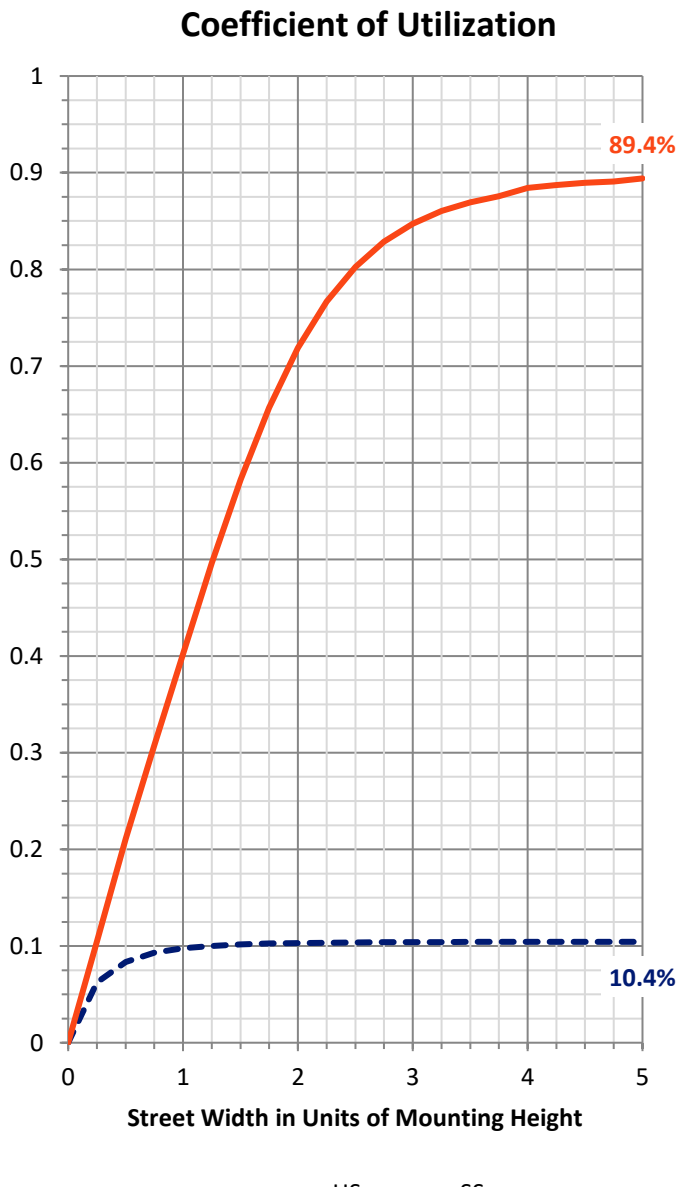
REPORT NUMBER: P1201606
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	398.4	0.0	398.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3393.6	0.0	3393.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	3792.0	0.0	3792.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	1.0
10°-20°	114.4	3.0
20°-30°	187.9	5.0
30°-40°	266.4	7.0
40°-50°	440.4	11.6
50°-60°	791.1	20.9
60°-70°	1098.4	29.0
70°-80°	796.8	21.0
80°-90°	57.6	1.5
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°	3792.0	100.0
0°-180°	3792.0	100.0



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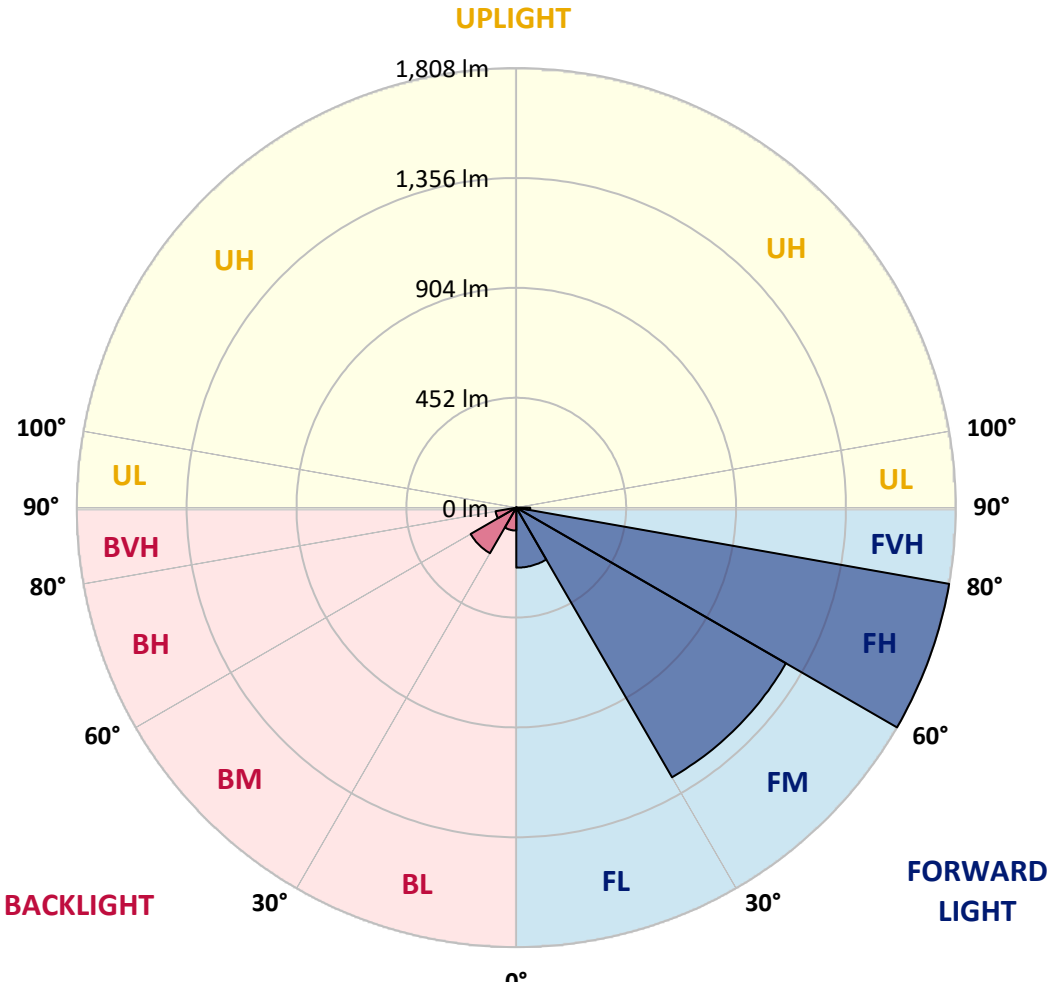
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	247.0	6.5			
FM	(30°-60°)	1281.1	33.8			
FH	(60°-80°)	1808.3	47.7			G2/5000
FVH	(80°-90°)	57.1	1.5			G1/100
BL	(0°-30°)	94.4	2.5	B0/110		
BM	(30°-60°)	216.7	5.7	B0/220		
BH	(60°-80°)	86.9	2.3	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	415.4	415.4	415.4	415.4	415.4	*415.4*	415.4	415.4	415.4	415.4	415.4
2.5°	453.7	454.5	454.0	450.9	445.7	*442.9*	441.3	436.1	432.8	426.8	420.6
5°	495.4	498.5	496.7	490.5	480.6	*473.7*	471.6	461.0	451.4	440.3	427.3
7.5°	539.7	541.2	537.8	529.8	516.6	*504.7*	502.9	488.2	472.9	455.8	438.2
10°	578.0	579.8	574.6	563.0	547.9	*533.2*	530.6	514.3	496.2	475.2	452.7
12.5°	610.1	611.9	605.1	591.2	574.6	*559.3*	556.7	539.7	519.7	496.4	468.5
15°	634.4	637.8	628.7	613.7	595.8	*580.6*	579.3	562.4	543.0	517.1	487.4
17.5°	648.6	652.0	643.5	625.3	610.1	*597.1*	595.6	581.6	563.5	538.6	505.8
20°	651.0	654.1	645.0	629.2	616.5	*606.2*	605.4	595.3	582.1	558.3	525.7
22.5°	644.0	647.9	639.6	626.9	618.1	*612.6*	611.6	605.9	598.4	578.2	544.3
25°	636.7	639.8	633.6	622.5	617.8	*617.3*	618.1	617.1	615.5	598.4	566.1
27.5°	636.2	639.6	632.6	622.0	619.4	*624.8*	625.6	630.5	631.8	616.8	587.0
30°	640.6	642.9	636.2	625.1	623.8	*636.2*	636.5	645.3	647.3	632.3	607.7
32.5°	650.2	652.8	646.0	629.7	627.9	*645.3*	646.0	657.7	661.1	648.9	629.5
35°	672.7	675.8	668.0	642.7	636.2	*653.8*	656.1	669.9	676.6	666.5	652.0
37.5°	728.9	719.8	709.2	668.8	655.1	*667.3*	671.1	687.2	699.1	687.5	678.9
40°	868.4	839.9	806.8	713.3	688.2	*696.0*	699.1	715.1	731.5	720.1	715.9
42.5°	1077.8	1044.1	990.8	815.8	738.2	*742.1*	744.4	758.4	781.4	772.3	773.4
45°	1264.4	1252.2	1197.9	990.8	831.6	*812.5*	815.3	822.6	856.5	853.1	859.8
47.5°	1407.8	1400.8	1358.9	1191.7	989.5	*898.7*	906.7	910.0	959.0	970.9	989.0
50°	1518.0	1515.4	1477.9	1370.2	1195.8	*1025.7*	1028.6	1021.3	1094.6	1124.1	1158.5
52.5°	1622.1	1630.9	1603.2	1536.2	1416.1	*1192.2*	1191.7	1157.5	1256.4	1300.9	1359.6
55°	1716.0	1719.1	1722.0	1705.4	1637.6	*1381.6*	1376.7	1320.8	1444.0	1490.1	1553.8
57.5°	1804.3	1805.6	1831.0	1864.9	1868.2	*1585.1*	1576.0	1509.0	1649.0	1681.9	1721.0
60°	1863.6	1869.5	1923.1	2017.3	2058.5	*1795.0*	1790.1	1721.7	1857.6	1872.9	1865.6
62.5°	1778.2	1814.4	1949.5	2136.4	2238.1	*2027.7*	2025.3	1961.2	2077.1	2064.7	2002.6
65°	1439.4	1500.7	1738.3	2216.9	2414.4	*2287.5*	2290.9	2222.6	2302.5	2262.2	2113.9
67.5°	1006.8	1071.6	1352.6	2223.3	2611.3	*2592.7*	2612.1	2505.0	2542.0	2451.4	2140.3
70°	696.3	729.6	912.6	2084.1	2764.8	*3013.0*	3012.5	2851.8	2780.1	2537.6	2005.7
72.5°	*468.2*	*485.6*	*592.7*	*1653.4*	*2652.0*	*3262.8*	*3247.8*	*3116.8*	*2860.3*	*2373.2*	*1638.7*
75°	197.5	210.2	274.4	929.2	2098.1	*2985.1*	2944.4	2754.5	2541.4	1868.8	1022.4
77.5°	62.6	68.1	108.2	332.6	1155.7	*2243.8*	2200.8	1720.2	1703.4	937.5	373.8
80°	29.8	34.7	60.8	133.6	454.8	*1220.4*	1214.4	780.4	732.7	253.1	75.1
82.5°	12.9	15.3	33.6	71.4	203.4	*435.4*	444.2	265.6	219.7	96.0	23.0
85°	4.1	5.4	15.5	32.9	85.9	*108.2*	106.9	63.2	88.5	52.3	8.0
87.5°	0.0	0.0	5.2	7.5	8.8	*6.2*	7.0	5.4	24.6	14.5	2.8
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°	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4
2.5°	417.5	413.4	406.1	399.4	393.4	387.5	383.8	378.7	378.2	378.2	379.4
5°	420.3	413.6	400.7	387.0	371.2	356.1	341.1	326.6	322.0	318.6	320.2
7.5°	428.6	418.0	397.6	371.4	341.4	308.5	285.5	260.6	251.1	245.9	246.7
10°	440.5	426.0	395.0	349.2	300.5	255.7	222.9	195.9	185.6	181.2	181.2
12.5°	453.7	435.9	390.3	321.5	255.7	202.1	170.1	157.6	156.1	156.1	156.1
15°	469.5	447.8	382.3	288.9	208.9	160.0	148.6	149.1	150.6	151.7	151.7
17.5°	485.8	460.5	369.6	252.4	167.5	143.9	144.2	144.9	146.2	147.3	147.3
20°	503.4	473.1	352.8	213.5	143.7	139.3	140.0	140.8	141.8	142.4	142.6
22.5°	522.3	485.0	332.9	175.5	135.6	135.4	135.6	136.4	137.7	137.7	138.2
25°	542.5	498.2	310.1	147.8	131.5	131.5	132.0	132.5	133.6	133.6	133.8
27.5°	563.2	510.4	286.0	133.3	127.9	127.6	127.6	128.4	128.9	129.2	129.4
30°	586.0	524.6	261.9	130.2	125.0	123.7	122.9	123.5	124.0	124.2	124.8
32.5°	609.3	538.4	240.5	131.5	122.2	119.8	117.2	116.7	116.7	117.8	118.5
35°	635.2	553.4	223.9	135.9	120.6	114.1	110.0	107.7	107.9	109.5	110.3
37.5°	666.2	571.5	211.7	139.8	119.6	107.7	100.9	98.1	96.3	98.1	97.6
40°	706.9	598.2	202.9	142.9	118.3	100.2	91.1	86.4	83.1	84.1	83.6
42.5°	766.7	640.1	199.6	143.1	115.4	91.4	81.0	74.8	69.9	70.1	69.1
45°	850.5	706.3	216.9	139.8	109.2	81.8	70.4	62.1	59.0	58.2	57.2
47.5°	965.4	802.9	257.0	132.8	100.2	72.5	60.0	53.1	50.7	49.4	48.7
50°	1119.4	926.9	301.5	125.0	91.1	63.7	51.5	47.1	45.6	44.3	44.0
52.5°	1298.0	1052.7	338.0	117.2	82.0	55.9	46.1	43.5	42.2	41.2	40.9
55°	1461.9	1139.4	336.0	109.0	73.2	49.7	42.2	40.6	39.1	38.0	37.5
57.5°	1563.8	1151.5	276.9	99.9	63.2	44.8	38.6	37.5	35.7	34.4	34.2
60°	1610.7	1082.2	194.1	88.0	53.1	40.1	34.7	34.2	31.8	30.0	29.5
62.5°	1619.2	953.3	129.4	73.2	44.3	35.7	30.8	30.0	26.9	23.8	22.3
65°	1584.6	769.0	89.6	57.2	37.8	31.1	26.4	24.8	21.5	18.4	17.3
67.5°	1474.8	539.9	62.4	41.2	32.1	24.6	21.0	20.4	17.9	15.3	14.5
70°	1273.7	307.7	41.7	30.8	25.4	16.8	16.6	17.1	14.5	12.4	11.4
72.5°	*976.6*	*140.8*	*25.9*	*22.5*	*17.3*	*11.4*	*13.2*	*13.5*	*11.1*	*9.3*	*8.3*
75°	574.9	60.3	16.3	14.5	8.8	7.5	9.6	9.8	7.5	6.0	5.2
77.5°	195.7	22.8	10.4	8.5	4.4	4.1	6.2	6.2	4.1	2.3	1.8
80°	44.5	8.5	5.2	3.4	2.1	1.8	2.1	1.8	1.0	0.3	0.0
82.5°	12.7	3.4	2.1	1.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0
85°	3.6	1.6	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.3	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


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(END OF REPORT)