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: P1201230

Luminaire Tested: GWC-SB1A-827-U-T4FT-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201230
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-827-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD THROW OPT WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2969 lumens
Efficiency:	N/A
Efficacy:	96.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B0 - 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

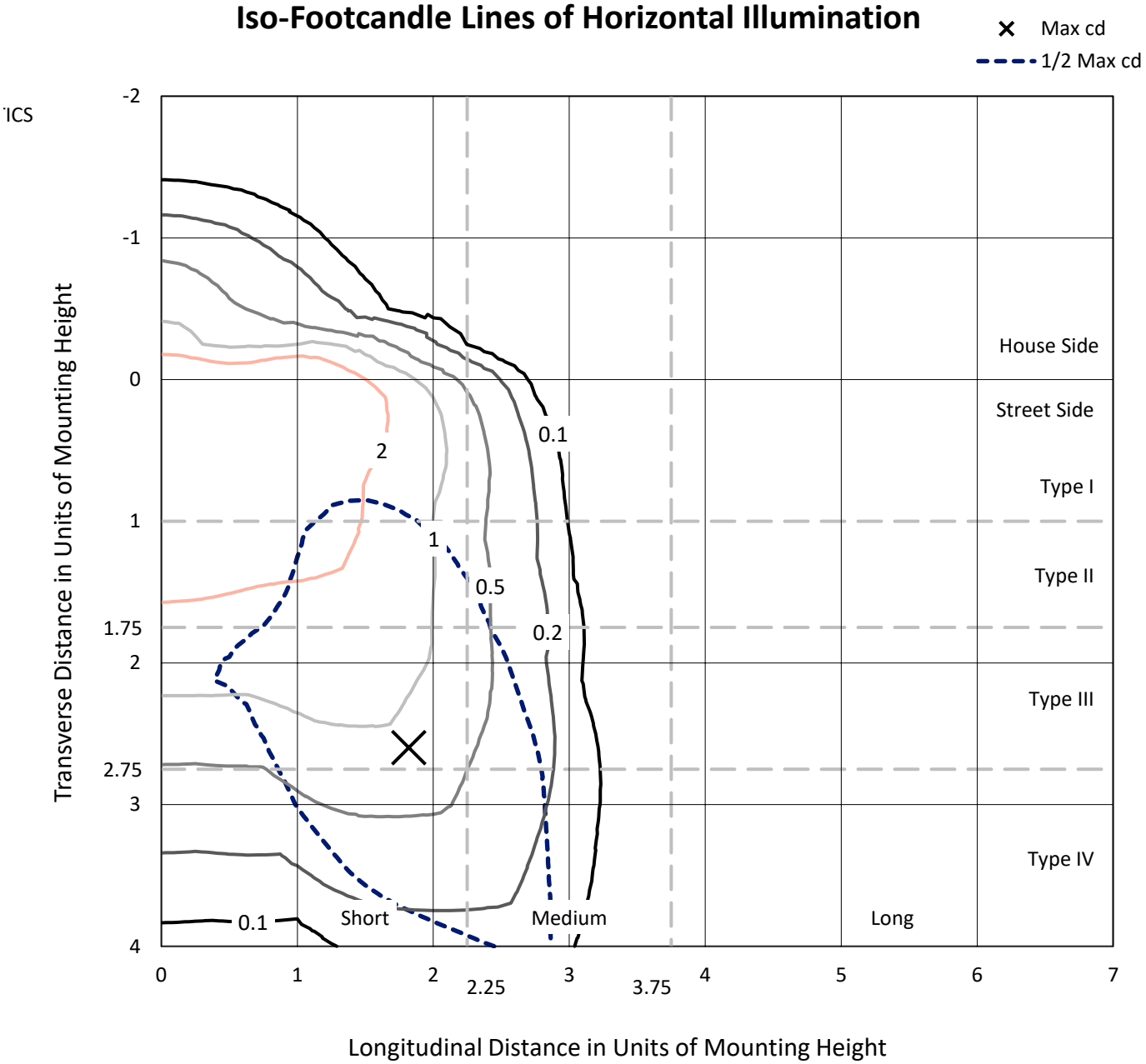


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Iso-Footcandle Lines of Horizontal Illumination



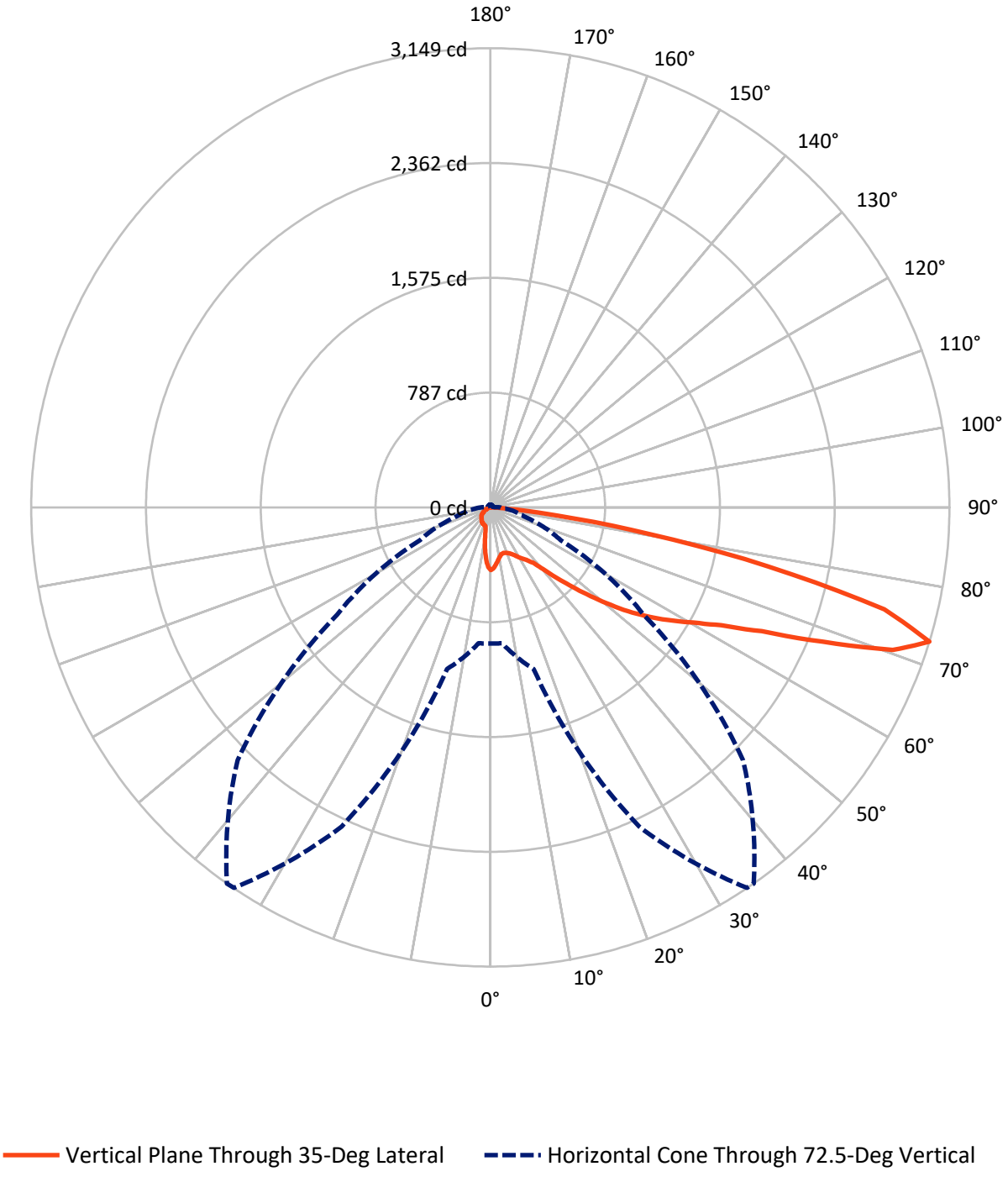
Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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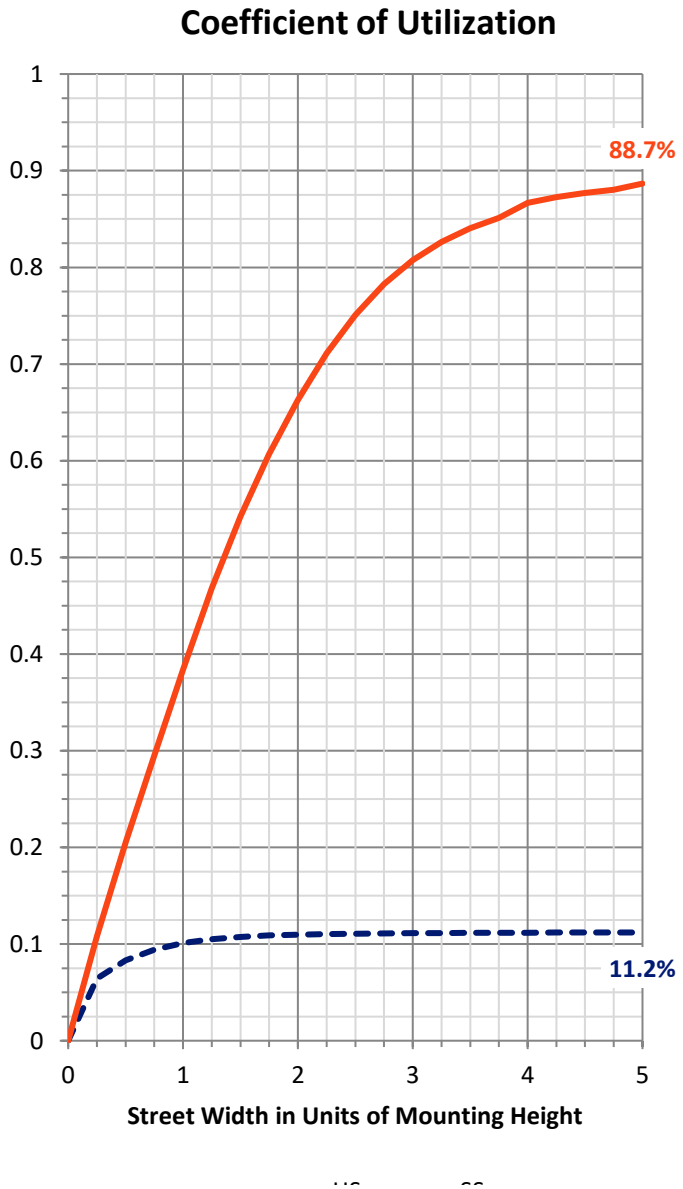
REPORT NUMBER: P1201230
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	334.2	0.0	334.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	2634.9	0.0	2634.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	2969.0	0.0	2969.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	1.2
10°-20°	82.7	2.8
20°-30°	134.4	4.5
30°-40°	224.2	7.6
40°-50°	424.2	14.3
50°-60°	674.1	22.7
60°-70°	833.9	28.1
70°-80°	518.3	17.5
80°-90°	41.9	1.4
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°	2969.0	100.0
0°-180°	2969.0	100.0



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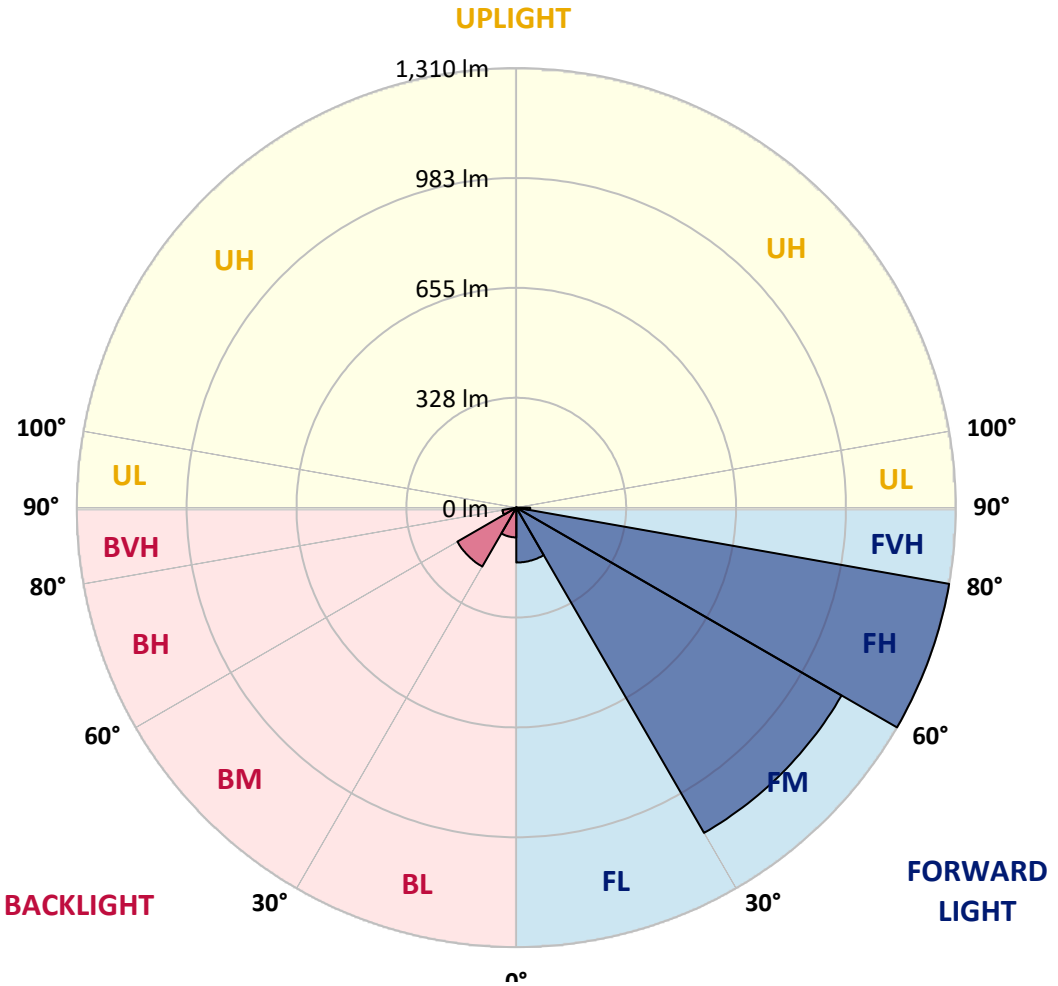
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	163.7	5.5			
FM	(30°-60°)	1119.6	37.7			
FH	(60°-80°)	1310.3	44.1			G1/1800
FVH	(80°-90°)	41.3	1.4			G1/100
BL	(0°-30°)	88.8	3.0	B0/110		
BM	(30°-60°)	202.9	6.8	B0/220		
BH	(60°-80°)	41.9	1.4	B0/110		G0/110
BVH	(80°-90°)	0.6	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-G1
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	430.3	430.3	430.3	430.3	430.3	*430.3*	430.3	430.3	430.3	430.3	430.3
2.5°	411.2	414.6	415.3	416.4	416.4	*417.7*	419.9	422.9	427.9	430.5	432.3
5°	379.0	381.6	384.8	387.5	392.5	*393.1*	401.6	409.9	421.4	430.1	436.2
7.5°	346.6	349.6	353.9	360.3	366.8	*368.7*	381.6	395.5	413.8	430.1	440.3
10°	323.7	323.9	327.8	334.2	344.6	*347.0*	362.7	382.4	405.3	427.5	444.2
12.5°	310.9	312.4	314.1	318.9	328.9	*330.5*	347.2	370.5	396.8	426.0	448.8
15°	310.9	312.0	313.0	315.4	323.5	*324.8*	339.6	362.9	392.5	426.6	456.2
17.5°	314.1	315.9	315.0	317.8	326.3	*327.2*	340.2	360.7	392.2	430.7	467.5
20°	322.0	323.3	321.5	323.3	331.8	*333.5*	347.0	364.8	395.9	437.9	481.6
22.5°	334.4	335.0	330.9	332.2	340.9	*343.1*	358.7	376.6	404.9	449.5	500.6
25°	350.0	351.3	345.0	346.6	354.8	*357.4*	375.5	394.2	419.0	465.3	524.7
27.5°	368.1	368.7	363.3	363.1	373.7	*377.4*	395.7	415.9	437.9	485.3	555.2
30°	388.8	390.7	385.5	384.6	398.1	*401.2*	419.2	442.7	465.8	515.4	598.5
32.5°	405.1	406.6	403.5	405.7	419.4	*421.8*	447.7	480.6	509.5	558.0	657.4
35°	428.6	429.4	422.5	426.4	442.1	*448.1*	486.7	533.6	564.5	611.5	734.4
37.5°	513.6	513.6	484.0	464.7	479.7	*485.1*	540.0	600.4	632.4	683.3	831.5
40°	631.3	629.4	586.1	546.5	544.5	*555.2*	615.9	684.6	720.1	769.5	940.7
42.5°	756.8	753.8	694.8	655.7	649.2	*652.9*	703.5	788.4	824.5	874.5	1058.1
45°	868.2	867.4	813.4	760.8	749.0	*760.8*	813.0	909.8	935.7	988.3	1175.4
47.5°	961.6	961.6	922.2	887.8	881.7	*888.7*	961.1	1044.4	1042.0	1109.5	1289.6
50°	1069.0	1068.2	1030.7	1015.9	1022.3	*1032.0*	1131.7	1186.3	1152.1	1228.5	1391.6
52.5°	1144.3	1149.5	1136.7	1134.3	1166.5	*1183.5*	1304.8	1325.1	1250.7	1341.4	1468.0
55°	1203.9	1210.0	1224.8	1241.5	1303.5	*1325.7*	1472.6	1456.7	1333.1	1439.3	1512.0
57.5°	1288.3	1279.6	1302.5	1335.5	1435.8	*1462.6*	1635.1	1580.9	1399.5	1518.7	1516.7
60°	1390.8	1392.1	1396.0	1437.8	1567.9	*1602.2*	1795.2	1698.4	1442.1	1567.4	1463.7
62.5°	1513.9	1515.9	1523.9	1588.1	1745.2	*1777.6*	1965.8	1794.5	1461.7	1553.7	1326.6
65°	1505.4	1513.7	1603.5	1823.0	2014.7	*2046.7*	2164.8	1862.0	1432.1	1428.4	1080.1
67.5°	1371.4	1384.9	1535.2	2103.7	2421.1	*2456.8*	2405.4	1875.3	1304.4	1110.8	704.6
70°	1195.6	1200.4	1381.2	2356.0	2891.6	*2927.7*	2620.8	1729.3	989.8	619.6	315.7
72.5°	*933.7*	*934.8*	*1146.9*	*2414.6*	*3147.0*	*3149.0*	*2451.8*	*1283.7*	*532.3*	*238.0*	*109.6*
75°	667.0	660.5	768.2	1958.1	2768.7	*2790.9*	1838.1	602.2	203.4	112.5	54.6
77.5°	357.6	364.8	434.7	1161.3	1912.7	*1950.5*	1002.9	173.6	103.6	76.6	36.1
80°	110.5	116.6	178.2	531.7	1083.4	*1106.2*	371.8	77.2	72.2	54.6	23.7
82.5°	34.8	36.1	83.1	223.4	449.7	*460.1*	107.7	43.7	49.4	36.1	13.9
85°	10.0	10.2	37.0	83.3	111.2	*113.3*	30.2	17.0	28.3	22.4	7.2
87.5°	1.1	3.5	13.9	13.9	9.8	*9.6*	3.3	3.7	8.0	2.8	1.3
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°	430.3	430.3	430.3	430.3	430.3	430.3	430.3	430.3	430.3	430.3	430.3
2.5°	431.2	431.4	428.6	423.8	418.6	414.2	408.8	404.4	401.4	400.5	402.0
5°	434.2	432.7	424.7	410.1	392.7	377.7	360.9	347.6	338.9	335.2	336.5
7.5°	438.8	434.4	416.8	388.1	354.8	325.2	295.2	271.9	257.1	249.7	250.8
10°	442.7	434.0	403.8	356.3	305.4	260.6	220.2	192.1	176.4	169.0	169.3
12.5°	446.4	433.8	386.8	318.7	249.7	194.9	157.3	143.4	139.0	137.5	137.1
15°	453.4	434.4	365.5	275.6	194.3	147.3	133.6	133.4	134.2	133.8	133.6
17.5°	462.9	435.1	341.3	229.9	149.9	129.9	129.2	131.2	132.5	131.8	131.6
20°	475.3	437.7	315.7	184.7	128.8	125.5	127.0	128.8	129.9	128.8	128.6
22.5°	492.7	442.3	287.6	148.4	122.0	122.9	124.2	126.2	127.3	125.7	125.5
25°	514.1	449.5	260.0	129.0	118.8	119.9	121.8	124.0	125.3	123.8	123.6
27.5°	541.7	461.0	234.5	124.7	115.5	116.2	119.0	122.3	124.0	122.0	122.0
30°	581.7	479.9	212.5	126.6	113.6	112.0	116.0	120.5	122.5	120.7	120.5
32.5°	634.8	506.7	199.1	129.7	112.7	107.3	110.9	116.8	120.1	119.0	119.0
35°	704.4	547.3	193.8	133.1	112.0	102.2	104.9	111.2	116.8	117.9	117.9
37.5°	788.8	603.9	195.4	134.7	110.1	98.1	99.4	104.9	112.3	115.7	116.6
40°	884.8	669.8	204.1	133.1	107.9	94.6	94.9	99.0	105.5	110.7	112.5
42.5°	983.7	746.8	220.2	127.5	105.9	91.6	90.9	93.8	98.1	101.8	103.3
45°	1077.9	826.0	236.0	119.7	103.6	88.5	87.0	88.1	89.0	90.5	91.4
47.5°	1160.2	881.7	231.5	112.5	100.3	85.1	82.5	82.0	79.4	79.2	79.0
50°	1217.0	893.9	205.6	105.3	95.5	81.1	77.0	74.4	69.8	67.7	67.9
52.5°	1235.0	845.8	167.9	98.1	87.7	75.9	70.1	65.9	60.3	58.3	58.1
55°	1211.1	751.6	134.2	89.4	76.8	69.0	62.4	57.0	52.4	50.0	50.0
57.5°	1152.6	631.8	106.2	79.2	65.3	61.1	54.6	49.2	45.2	42.9	42.4
60°	1055.5	501.7	84.0	67.0	55.7	52.6	45.9	42.4	38.9	36.1	35.5
62.5°	908.3	358.1	65.9	53.1	46.6	43.1	39.2	36.5	32.4	28.5	27.8
65°	708.8	219.1	50.9	38.9	37.4	35.7	33.3	30.9	25.9	22.0	21.3
67.5°	447.1	103.8	36.3	29.4	29.6	28.7	27.6	25.7	22.0	18.5	18.1
70°	196.9	50.3	23.9	22.4	22.0	22.0	22.8	22.2	18.7	15.4	14.8
72.5°	*67.0*	*27.0*	*17.8*	*17.0*	*15.9*	*15.7*	*19.1*	*18.5*	*15.0*	*12.0*	*11.3*
75°	35.0	18.1	13.1	12.2	9.6	11.5	15.2	14.4	10.7	7.8	7.2
77.5°	22.8	12.8	8.9	7.8	5.4	7.6	11.3	10.0	6.3	3.9	3.5
80°	14.4	8.5	5.2	3.7	2.6	4.1	6.1	4.4	2.4	0.9	0.7
82.5°	7.6	4.4	2.0	1.3	1.1	1.3	1.5	1.1	0.4	0.0	0.0
85°	3.0	1.5	0.7	0.4	0.2	0.0	0.4	0.2	0.0	0.0	0.0
87.5°	1.1	0.2	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)