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: P1202726

Luminaire Tested: GWC-SB2A-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:	P1202726
	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-SB2A-827-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV FORWARD THRC OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5905 lumens
Efficiency:	N/A
Efficacy:	103.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - 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

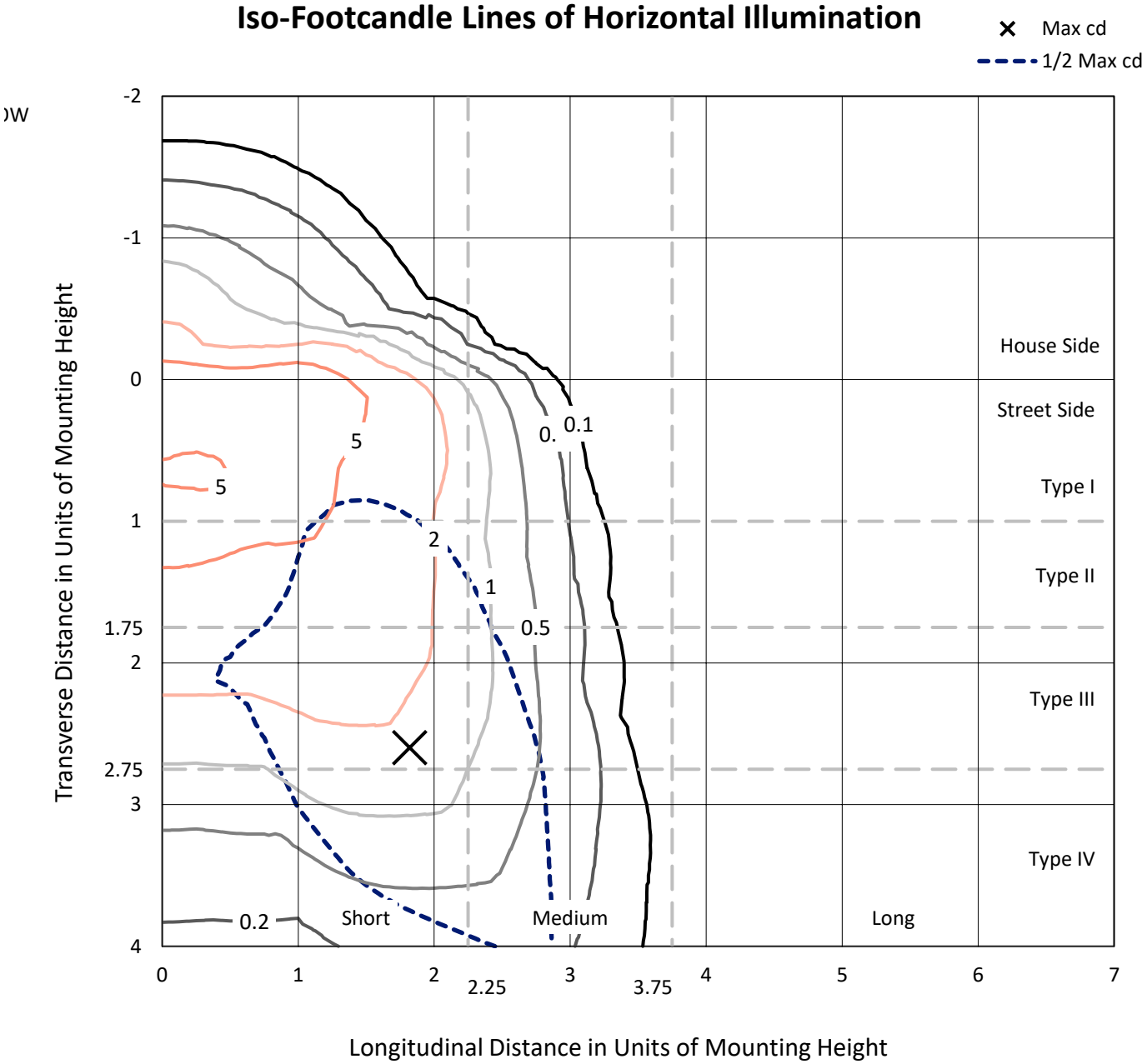


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Iso-Footcandle Lines of Horizontal Illumination



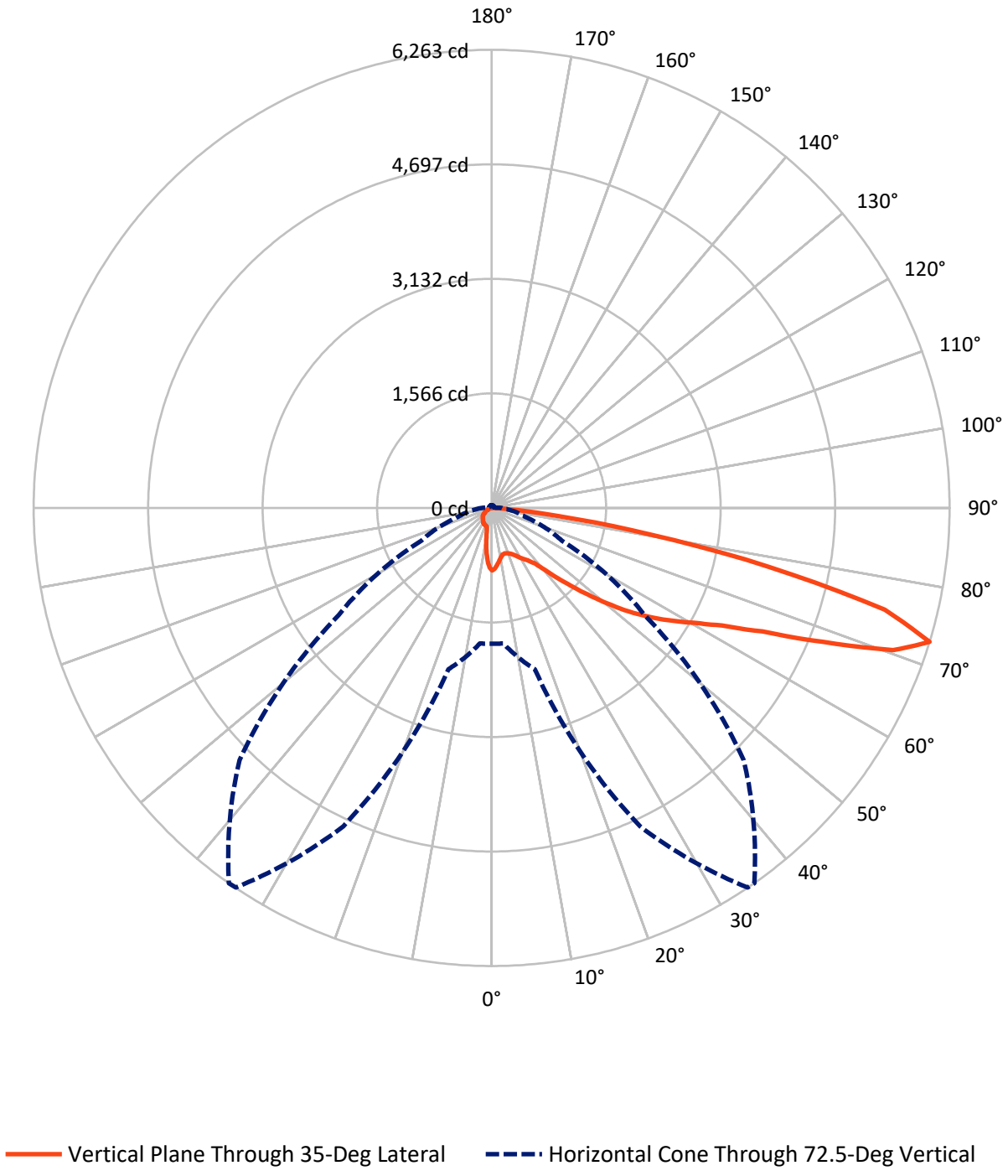
Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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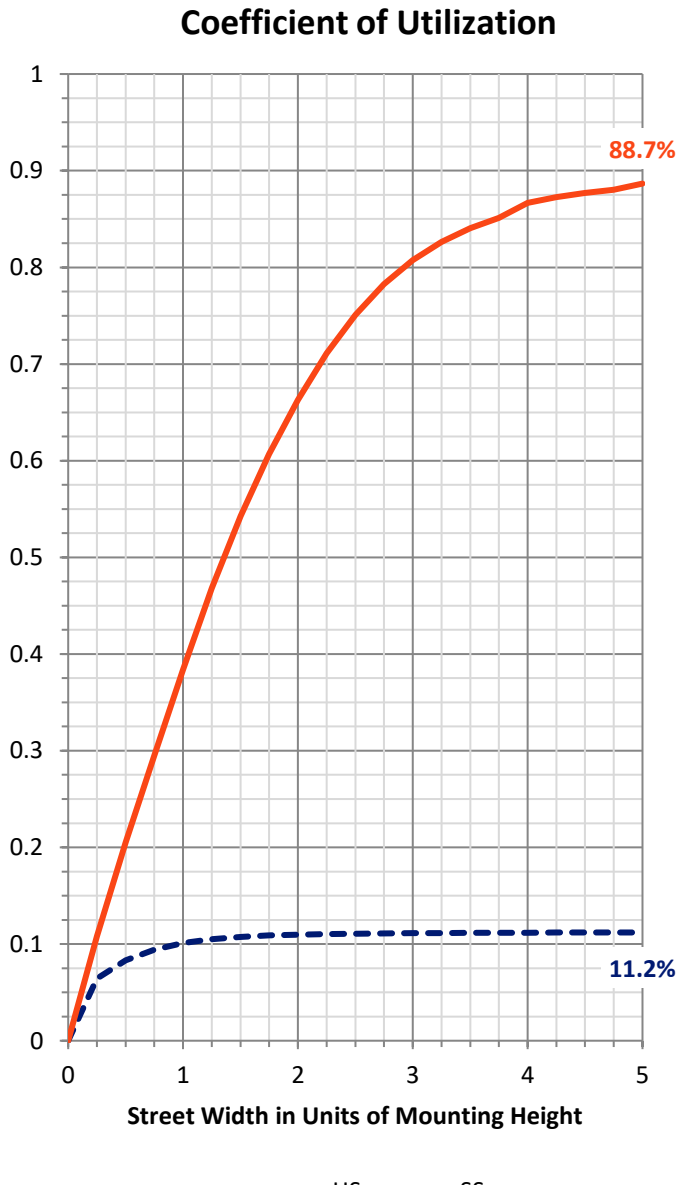
REPORT NUMBER: P1202726
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	664.6	0.0	664.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	5240.4	0.0	5240.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	5905.0	0.0	5905.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	1.2
10°-20°	164.5	2.8
20°-30°	267.3	4.5
30°-40°	445.9	7.6
40°-50°	843.7	14.3
50°-60°	1340.6	22.7
60°-70°	1658.4	28.1
70°-80°	1030.9	17.5
80°-90°	83.3	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°	5905.0	100.0
0°-180°	5905.0	100.0



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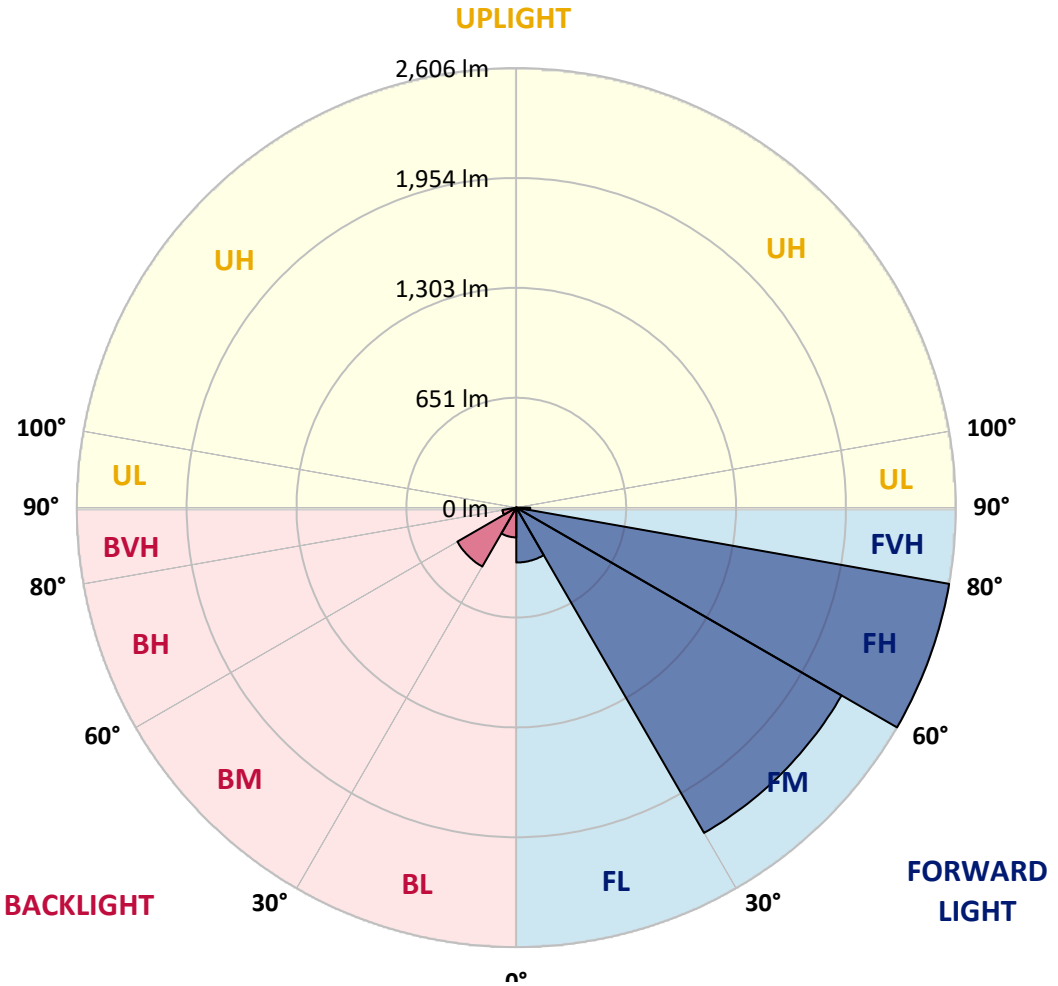
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	325.5	5.5			
FM	(30°-60°)	2226.8	37.7			
FH	(60°-80°)	2606.0	44.1			G2/5000
FVH	(80°-90°)	82.2	1.4			G1/100
BL	(0°-30°)	176.6	3.0	B1/500		
BM	(30°-60°)	403.5	6.8	B1/1000		
BH	(60°-80°)	83.4	1.4	B0/110		G0/110
BVH	(80°-90°)	1.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	855.8	855.8	855.8	855.8	855.8	*855.8*	855.8	855.8	855.8	855.8	855.8
2.5°	817.8	824.7	826.0	828.1	828.1	*830.7*	835.1	841.1	851.1	856.3	859.7
5°	753.7	758.9	765.4	770.6	780.5	*781.8*	798.7	815.2	838.1	855.4	867.5
7.5°	689.3	695.3	704.0	716.5	729.5	*733.4*	758.9	786.6	822.9	855.4	875.7
10°	643.8	644.3	652.0	664.6	685.4	*690.1*	721.3	760.6	806.1	850.2	883.5
12.5°	618.3	621.3	624.8	634.3	654.2	*657.2*	690.6	736.8	789.2	847.2	892.6
15°	618.3	620.5	622.6	627.4	643.4	*646.0*	675.4	721.7	780.5	848.5	907.3
17.5°	624.8	628.2	626.5	632.1	649.0	*650.7*	676.7	717.4	780.1	856.7	929.8
20°	640.4	643.0	639.5	643.0	659.8	*663.3*	690.1	725.6	787.5	871.0	957.9
22.5°	665.0	666.3	658.1	660.7	678.0	*682.3*	713.5	749.0	805.2	893.9	995.6
25°	696.2	698.8	686.2	689.3	705.7	*710.9*	746.8	784.0	833.3	925.5	1043.6
27.5°	732.1	733.4	722.6	722.1	743.3	*750.7*	787.0	827.3	871.0	965.3	1104.2
30°	773.2	777.1	766.7	765.0	791.8	*797.9*	833.8	880.5	926.4	1025.0	1190.3
32.5°	805.6	808.7	802.6	806.9	834.2	*839.0*	890.4	955.8	1013.3	1109.8	1307.5
35°	852.4	854.1	840.3	848.0	879.2	*891.3*	967.9	1061.4	1122.8	1216.3	1460.7
37.5°	1021.5	1021.5	962.7	924.2	954.0	*964.9*	1073.9	1194.2	1257.8	1359.0	1653.7
40°	1255.6	1251.7	1165.6	1086.9	1083.0	*1104.2*	1224.9	1361.6	1432.2	1530.4	1870.9
42.5°	1505.3	1499.2	1382.0	1304.1	1291.1	*1298.5*	1399.3	1568.0	1639.8	1739.4	2104.5
45°	1726.8	1725.1	1617.8	1513.1	1489.7	*1513.1*	1616.9	1809.4	1860.9	1965.6	2337.7
47.5°	1912.4	1912.4	1834.1	1765.7	1753.6	*1767.5*	1911.6	2077.3	2072.5	2206.6	2564.9
50°	2126.2	2124.4	2050.0	2020.6	2033.1	*2052.6*	2250.8	2359.4	2291.5	2443.3	2767.8
52.5°	2275.9	2286.3	2260.7	2256.0	2320.0	*2353.8*	2595.2	2635.4	2487.5	2667.9	2919.7
55°	2394.4	2406.5	2436.0	2469.3	2592.6	*2636.7*	2928.8	2897.2	2651.4	2862.6	3007.1
57.5°	2562.3	2545.0	2590.4	2656.2	2855.7	*2908.9*	3252.0	3144.3	2783.4	3020.5	3016.6
60°	2766.1	2768.7	2776.5	2859.6	3118.3	*3186.7*	3570.4	3377.9	2868.2	3117.4	2911.0
62.5°	3011.0	3014.9	3030.9	3158.5	3470.9	*3535.4*	3909.7	3569.1	2907.1	3090.2	2638.5
65°	2994.1	3010.6	3189.3	3625.8	4007.0	*4070.6*	4305.6	3703.3	2848.3	2840.9	2148.2
67.5°	2727.6	2754.4	3053.4	4184.0	4815.2	*4886.2*	4784.1	3729.7	2594.3	2209.2	1401.4
70°	2378.0	2387.5	2747.1	4685.9	5751.1	*5822.9*	5212.4	3439.3	1968.7	1232.3	627.8
72.5°	*1857.0*	*1859.2*	*2281.1*	*4802.3*	*6259.1*	*6263.0*	*4876.3*	*2553.2*	*1058.8*	*473.3*	*218.1*
75°	1326.6	1313.6	1527.8	3894.5	5506.7	*5550.8*	3655.7	1197.6	404.6	223.7	108.6
77.5°	711.3	725.6	864.5	2309.6	3804.1	*3879.4*	1994.6	345.3	206.0	152.3	71.8
80°	219.8	231.9	354.4	1057.5	2154.7	*2200.2*	739.4	153.6	143.6	108.6	47.2
82.5°	69.2	71.8	165.3	444.4	894.3	*915.1*	214.2	87.0	98.2	71.8	27.7
85°	19.9	20.3	73.6	165.7	221.1	*225.4*	60.1	33.7	56.2	44.6	14.3
87.5°	2.2	6.9	27.7	27.7	19.5	*19.0*	6.5	7.4	16.0	5.6	2.6
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°	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8
2.5°	857.6	858.0	852.4	842.9	832.5	823.8	813.0	804.3	798.3	796.6	799.6
5°	863.6	860.6	844.6	815.6	781.0	751.1	717.8	691.4	674.1	666.8	669.3
7.5°	872.7	864.1	829.0	771.9	705.7	646.9	587.1	540.8	511.4	496.7	498.9
10°	880.5	863.2	803.0	708.7	607.5	518.3	437.9	382.1	350.9	336.2	336.6
12.5°	887.9	862.8	769.3	633.9	496.7	387.7	312.8	285.1	276.5	273.5	272.6
15°	901.7	864.1	726.9	548.2	386.4	292.9	265.7	265.2	267.0	266.1	265.7
17.5°	920.7	865.4	678.9	457.3	298.1	258.3	257.0	260.9	263.5	262.2	261.8
20°	945.4	870.5	627.8	367.3	256.1	249.7	252.7	256.1	258.3	256.1	255.7
22.5°	980.0	879.6	572.0	295.1	242.7	244.5	247.1	251.0	253.1	250.1	249.7
25°	1022.4	893.9	517.0	256.6	236.2	238.4	242.3	246.6	249.2	246.2	245.8
27.5°	1077.4	916.8	466.4	247.9	229.8	231.0	236.7	243.2	246.6	242.7	242.7
30°	1157.0	954.5	422.7	251.8	225.9	222.8	230.6	239.7	243.6	240.1	239.7
32.5°	1262.5	1007.7	395.9	257.9	224.1	213.3	220.7	232.3	238.8	236.7	236.7
35°	1401.0	1088.6	385.5	264.8	222.8	203.4	208.5	221.1	232.3	234.5	234.5
37.5°	1568.9	1201.1	388.5	267.8	218.9	195.1	197.7	208.5	223.3	230.2	231.9
40°	1759.7	1332.2	405.8	264.8	214.6	188.2	188.6	196.9	209.8	220.2	223.7
42.5°	1956.6	1485.4	437.9	253.5	210.7	182.2	180.9	186.5	195.1	202.5	205.5
45°	2143.9	1642.9	469.5	238.0	206.0	176.1	173.1	175.2	177.0	180.0	181.7
47.5°	2307.5	1753.6	460.4	223.7	199.5	169.2	164.0	163.1	157.9	157.5	157.1
50°	2420.4	1777.9	408.9	209.4	189.9	161.4	153.2	148.0	138.9	134.6	135.0
52.5°	2456.3	1682.2	334.0	195.1	174.4	151.0	139.3	131.1	119.9	116.0	115.5
55°	2408.7	1494.9	267.0	177.8	152.7	137.2	124.2	113.4	104.3	99.5	99.5
57.5°	2292.3	1256.5	211.1	157.5	129.8	121.6	108.6	97.8	90.0	85.2	84.4
60°	2099.3	997.8	167.0	133.3	110.8	104.7	91.3	84.4	77.4	71.8	70.5
62.5°	1806.4	712.2	131.1	105.6	92.6	85.7	77.9	72.7	64.5	56.7	55.4
65°	1409.7	435.7	101.2	77.4	74.4	71.0	66.2	61.4	51.5	43.7	42.4
67.5°	889.1	206.4	72.3	58.4	58.8	57.1	54.9	51.1	43.7	36.8	35.9
70°	391.6	99.9	47.6	44.6	43.7	43.7	45.4	44.1	37.2	30.7	29.4
72.5°	*133.3*	*53.7*	*35.5*	*33.7*	*31.6*	*31.2*	*38.1*	*36.8*	*29.9*	*23.8*	*22.5*
75°	69.7	35.9	26.0	24.2	19.0	22.9	30.3	28.6	21.2	15.6	14.3
77.5°	45.4	25.5	17.7	15.6	10.8	15.1	22.5	19.9	12.5	7.8	6.9
80°	28.6	16.9	10.4	7.4	5.2	8.2	12.1	8.7	4.8	1.7	1.3
82.5°	15.1	8.7	3.9	2.6	2.2	2.6	3.0	2.2	0.9	0.0	0.0
85°	6.1	3.0	1.3	0.9	0.4	0.0	0.9	0.4	0.0	0.0	0.0
87.5°	2.2	0.4	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)