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: P1201516

Luminaire Tested: GWC-SB1B-735-U-T4FT-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201516
	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-SB1B-735-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 70 CRI, 3500K, 450mA 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:	4286 lumens
Efficiency:	N/A
Efficacy:	107.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - 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

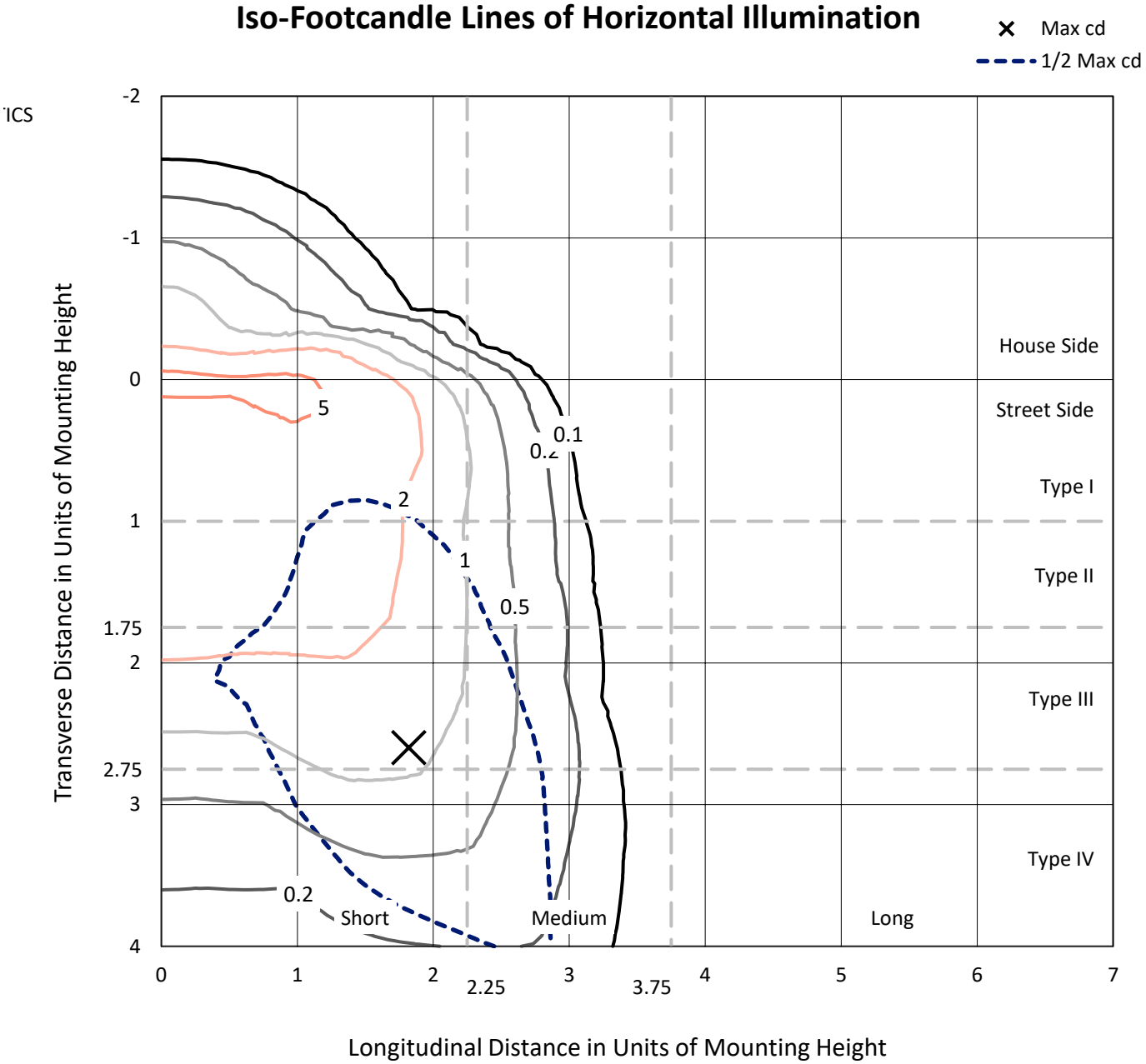


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Iso-Footcandle Lines of Horizontal Illumination



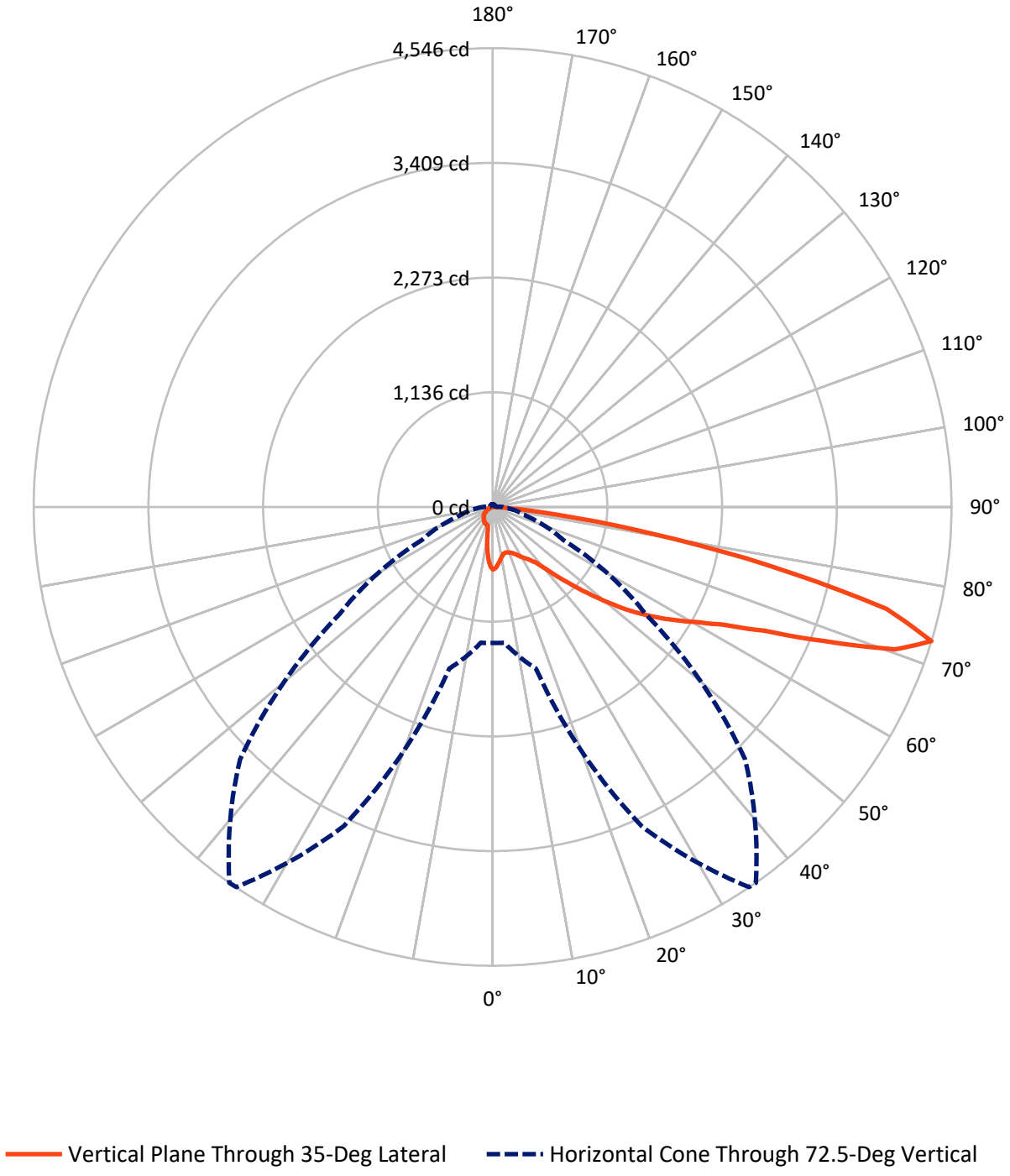
Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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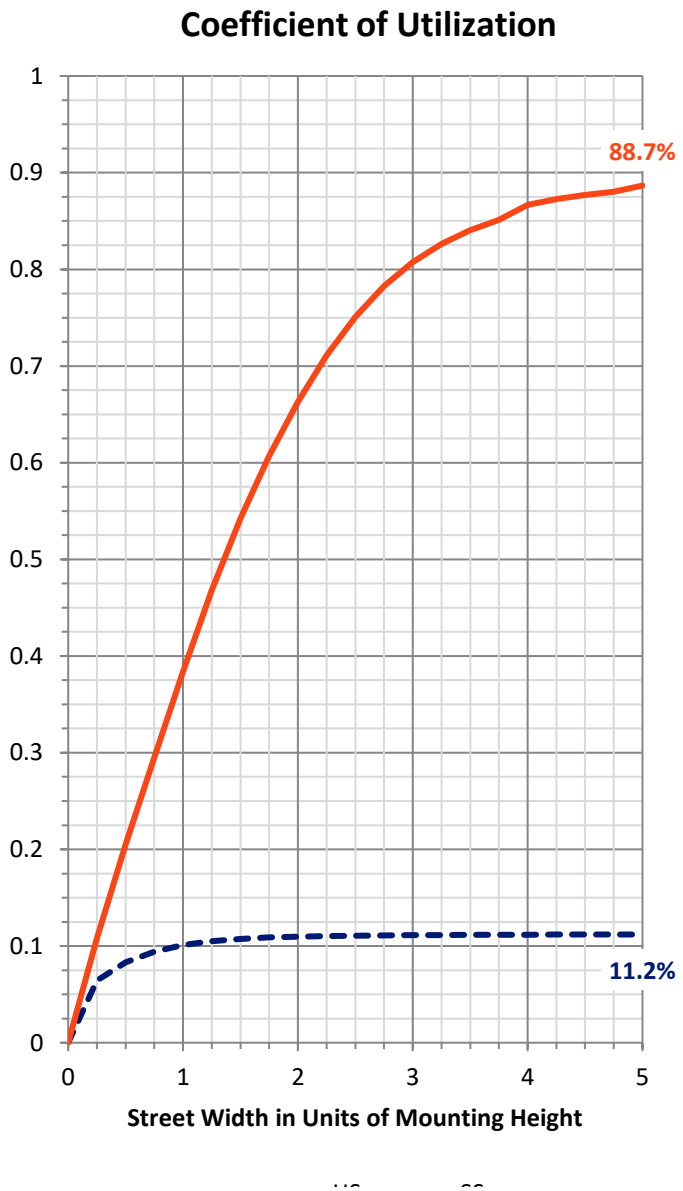
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	482.4	0.0	482.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	3803.6	0.0	3803.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	4286.0	0.0	4286.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	1.2
10°-20°	119.4	2.8
20°-30°	194.0	4.5
30°-40°	323.7	7.6
40°-50°	612.4	14.3
50°-60°	973.1	22.7
60°-70°	1203.7	28.1
70°-80°	748.3	17.5
80°-90°	60.5	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°	4286.0	100.0
0°-180°	4286.0	100.0



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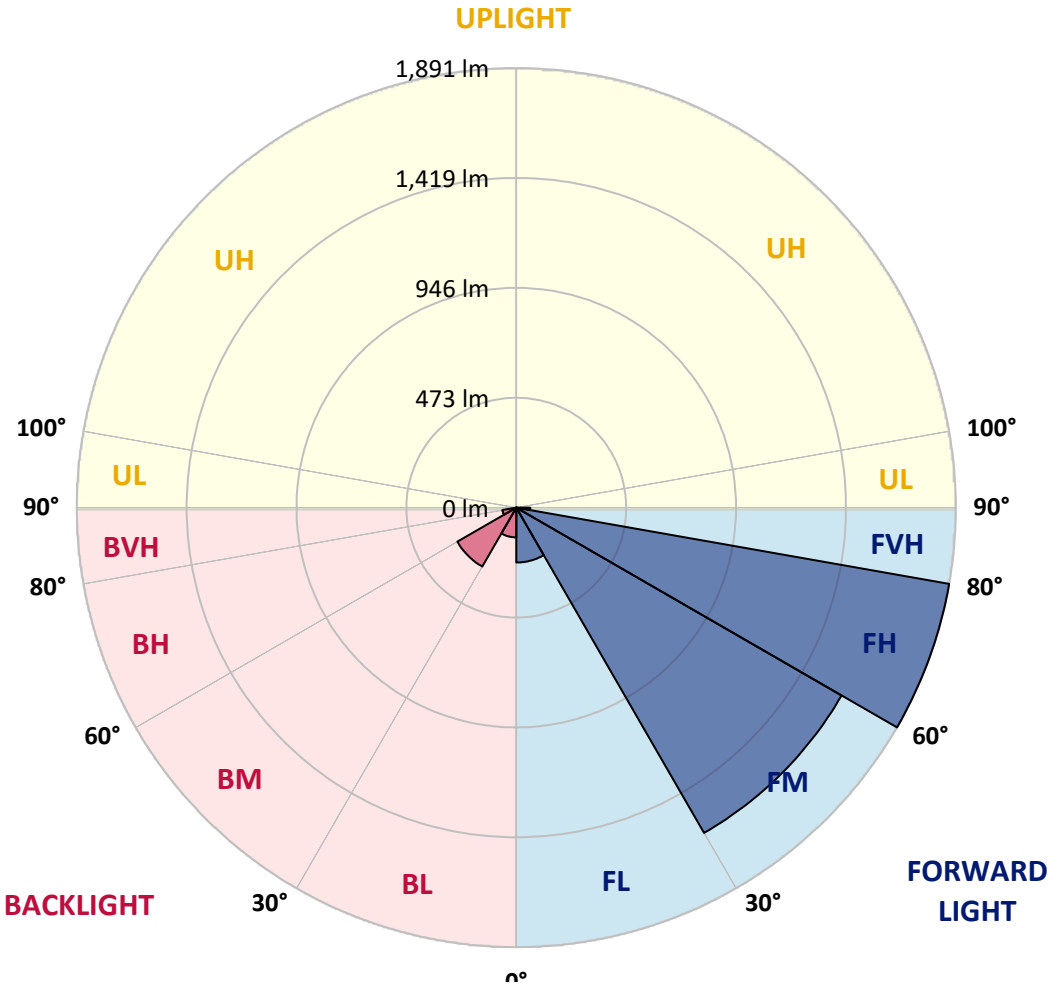
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	236.3	5.5			
FM	(30°-60°)	1616.3	37.7			
FH	(60°-80°)	1891.5	44.1			G2/5000
FVH	(80°-90°)	59.6	1.4			G1/100
BL	(0°-30°)	128.2	3.0	B1/500		
BM	(30°-60°)	292.8	6.8	B1/1000		
BH	(60°-80°)	60.5	1.4	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	621.2	621.2	621.2	621.2	621.2	*621.2*	621.2	621.2	621.2	621.2	621.2
2.5°	593.5	598.6	599.5	601.1	601.1	*603.0*	606.1	610.5	617.7	621.5	624.0
5°	547.1	550.8	555.5	559.3	566.5	*567.5*	579.7	591.7	608.3	620.9	629.7
7.5°	500.3	504.7	511.0	520.1	529.5	*532.3*	550.8	570.9	597.3	620.9	635.6
10°	467.3	467.6	473.3	482.4	497.5	*500.9*	523.5	552.1	585.1	617.1	641.3
12.5°	448.8	451.0	453.5	460.4	474.8	*477.0*	501.2	534.8	572.8	614.9	647.9
15°	448.8	450.3	451.9	455.4	467.0	*468.9*	490.2	523.8	566.5	615.8	658.6
17.5°	453.5	456.0	454.7	458.8	471.1	*472.3*	491.2	520.7	566.2	621.8	674.9
20°	464.8	466.7	464.2	466.7	478.9	*481.4*	500.9	526.7	571.6	632.2	695.3
22.5°	482.7	483.6	477.7	479.5	492.1	*495.3*	517.9	543.6	584.4	648.8	722.6
25°	505.3	507.2	498.1	500.3	512.2	*516.0*	542.0	569.1	604.9	671.7	757.5
27.5°	531.4	532.3	524.5	524.1	539.5	*544.9*	571.3	600.5	632.2	700.6	801.4
30°	561.2	564.0	556.5	555.2	574.7	*579.1*	605.2	639.1	672.4	744.0	863.9
32.5°	584.8	587.0	582.6	585.7	605.5	*608.9*	646.3	693.7	735.5	805.5	949.1
35°	618.7	619.9	609.9	615.5	638.1	*646.9*	702.5	770.4	815.0	882.8	1060.2
37.5°	741.5	741.5	698.8	670.8	692.5	*700.3*	779.5	866.8	912.9	986.4	1200.3
40°	911.4	908.5	846.0	788.9	786.1	*801.4*	889.1	988.3	1039.5	1110.8	1357.9
42.5°	1092.6	1088.2	1003.1	946.5	937.1	*942.5*	1015.6	1138.1	1190.2	1262.5	1527.5
45°	1253.4	1252.1	1174.2	1098.2	1081.3	*1098.2*	1173.6	1313.3	1350.7	1426.7	1696.8
47.5°	1388.1	1388.1	1331.2	1281.6	1272.8	*1282.9*	1387.5	1507.7	1504.3	1601.6	1861.7
50°	1543.2	1542.0	1488.0	1466.6	1475.7	*1489.8*	1633.7	1712.5	1663.2	1773.4	2009.0
52.5°	1651.9	1659.4	1640.9	1637.4	1683.9	*1708.4*	1883.7	1912.9	1805.5	1936.4	2119.2
55°	1737.9	1746.7	1768.1	1792.3	1881.8	*1913.8*	2125.8	2102.9	1924.5	2077.7	2182.6
57.5°	1859.8	1847.2	1880.2	1927.9	2072.7	*2111.3*	2360.4	2282.2	2020.3	2192.4	2189.5
60°	2007.7	2009.6	2015.2	2075.5	2263.3	*2313.0*	2591.5	2451.8	2081.8	2262.7	2112.9
62.5°	2185.5	2188.3	2199.9	2292.5	2519.3	*2566.1*	2837.7	2590.6	2110.1	2242.9	1915.1
65°	2173.2	2185.1	2314.8	2631.7	2908.4	*2954.6*	3125.1	2687.9	2067.4	2062.0	1559.2
67.5°	1979.8	1999.2	2216.2	3036.8	3495.0	*3546.5*	3472.4	2707.1	1883.0	1603.5	1017.2
70°	1726.0	1732.9	1993.9	3401.1	4174.3	*4226.4*	3783.3	2496.4	1428.9	894.4	455.7
72.5°	*1347.9*	*1349.5*	*1655.7*	*3485.6*	*4543.0*	*4545.8*	*3539.3*	*1853.2*	*768.5*	*343.6*	*158.3*
75°	962.9	953.4	1108.9	2826.7	3996.9	*4028.9*	2653.4	869.3	293.6	162.4	78.8
77.5°	516.3	526.7	627.5	1676.4	2761.1	*2815.7*	1447.8	250.6	149.5	110.5	52.1
80°	159.5	168.3	257.2	767.5	1564.0	*1596.9*	536.7	111.5	104.3	78.8	34.2
82.5°	50.2	52.1	120.0	322.5	649.1	*664.2*	155.5	63.1	71.3	52.1	20.1
85°	14.4	14.8	53.4	120.3	160.5	*163.6*	43.7	24.5	40.8	32.3	10.4
87.5°	1.6	5.0	20.1	20.1	14.1	*13.8*	4.7	5.3	11.6	4.1	1.9
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	621.2	621.2	621.2	621.2	621.2	621.2	621.2	621.2	621.2	621.2	621.2
2.5°	622.4	622.8	618.7	611.8	604.2	597.9	590.1	583.8	579.4	578.2	580.4
5°	626.8	624.6	613.0	592.0	566.9	545.2	521.0	501.8	489.3	483.9	485.8
7.5°	633.4	627.2	601.7	560.3	512.2	469.5	426.2	392.6	371.2	360.5	362.1
10°	639.1	626.5	582.9	514.4	440.9	376.2	317.8	277.3	254.7	244.0	244.3
12.5°	644.4	626.2	558.4	460.1	360.5	281.4	227.1	207.0	200.7	198.5	197.8
15°	654.5	627.2	527.6	397.9	280.4	212.6	192.8	192.5	193.8	193.1	192.8
17.5°	668.3	628.1	492.7	331.9	216.4	187.5	186.5	189.4	191.3	190.3	190.0
20°	686.2	631.9	455.7	266.6	185.9	181.2	183.4	185.9	187.5	185.9	185.6
22.5°	711.3	638.5	415.2	214.2	176.2	177.4	179.3	182.1	183.7	181.5	181.2
25°	742.1	648.8	375.3	186.2	171.5	173.0	175.9	179.0	180.9	178.7	178.4
27.5°	782.0	665.5	338.5	179.9	166.8	167.7	171.8	176.5	179.0	176.2	176.2
30°	839.8	692.8	306.8	182.8	163.9	161.7	167.4	174.0	176.8	174.3	174.0
32.5°	916.4	731.4	287.4	187.2	162.7	154.8	160.2	168.6	173.4	171.8	171.8
35°	1016.9	790.1	279.8	192.2	161.7	147.6	151.4	160.5	168.6	170.2	170.2
37.5°	1138.7	871.8	282.0	194.4	158.9	141.6	143.5	151.4	162.0	167.1	168.3
40°	1277.2	967.0	294.6	192.2	155.8	136.6	136.9	142.9	152.3	159.8	162.4
42.5°	1420.1	1078.1	317.8	184.0	152.9	132.2	131.3	135.4	141.6	147.0	149.2
45°	1556.1	1192.4	340.7	172.7	149.5	127.8	125.6	127.2	128.4	130.6	131.9
47.5°	1674.8	1272.8	334.1	162.4	144.8	122.8	119.0	118.4	114.6	114.3	114.0
50°	1756.8	1290.4	296.8	152.0	137.9	117.1	111.2	107.4	100.8	97.7	98.0
52.5°	1782.8	1221.0	242.4	141.6	126.6	109.6	101.1	95.2	87.0	84.2	83.9
55°	1748.3	1085.0	193.8	129.1	110.9	99.6	90.1	82.3	75.7	72.2	72.2
57.5°	1663.8	912.0	153.3	114.3	94.2	88.2	78.8	71.0	65.3	61.9	61.2
60°	1523.8	724.2	121.2	96.7	80.4	76.0	66.3	61.2	56.2	52.1	51.2
62.5°	1311.1	516.9	95.2	76.6	67.2	62.2	56.5	52.8	46.8	41.1	40.2
65°	1023.2	316.2	73.5	56.2	54.0	51.5	48.0	44.6	37.4	31.7	30.8
67.5°	645.4	149.8	52.4	42.4	42.7	41.5	39.9	37.1	31.7	26.7	26.1
70°	284.2	72.5	34.5	32.3	31.7	31.7	33.0	32.0	27.0	22.3	21.4
72.5°	*96.7*	*38.9*	*25.8*	*24.5*	*22.9*	*22.6*	*27.6*	*26.7*	*21.7*	*17.3*	*16.3*
75°	50.6	26.1	18.8	17.6	13.8	16.6	22.0	20.7	15.4	11.3	10.4
77.5°	33.0	18.5	12.9	11.3	7.9	11.0	16.3	14.4	9.1	5.7	5.0
80°	20.7	12.2	7.5	5.3	3.8	6.0	8.8	6.3	3.5	1.3	0.9
82.5°	11.0	6.3	2.8	1.9	1.6	1.9	2.2	1.6	0.6	0.0	0.0
85°	4.4	2.2	0.9	0.6	0.3	0.0	0.6	0.3	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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SS

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(END OF REPORT)