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: P1201519

Luminaire Tested: GWC-SB1B-735-U-T4W

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201519
	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-SB1B-735-U-T4W
Description:	GALLEON WALL LUMINAIRE
	(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5650 lumens
Efficiency:	N/A
Efficacy:	142.0 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

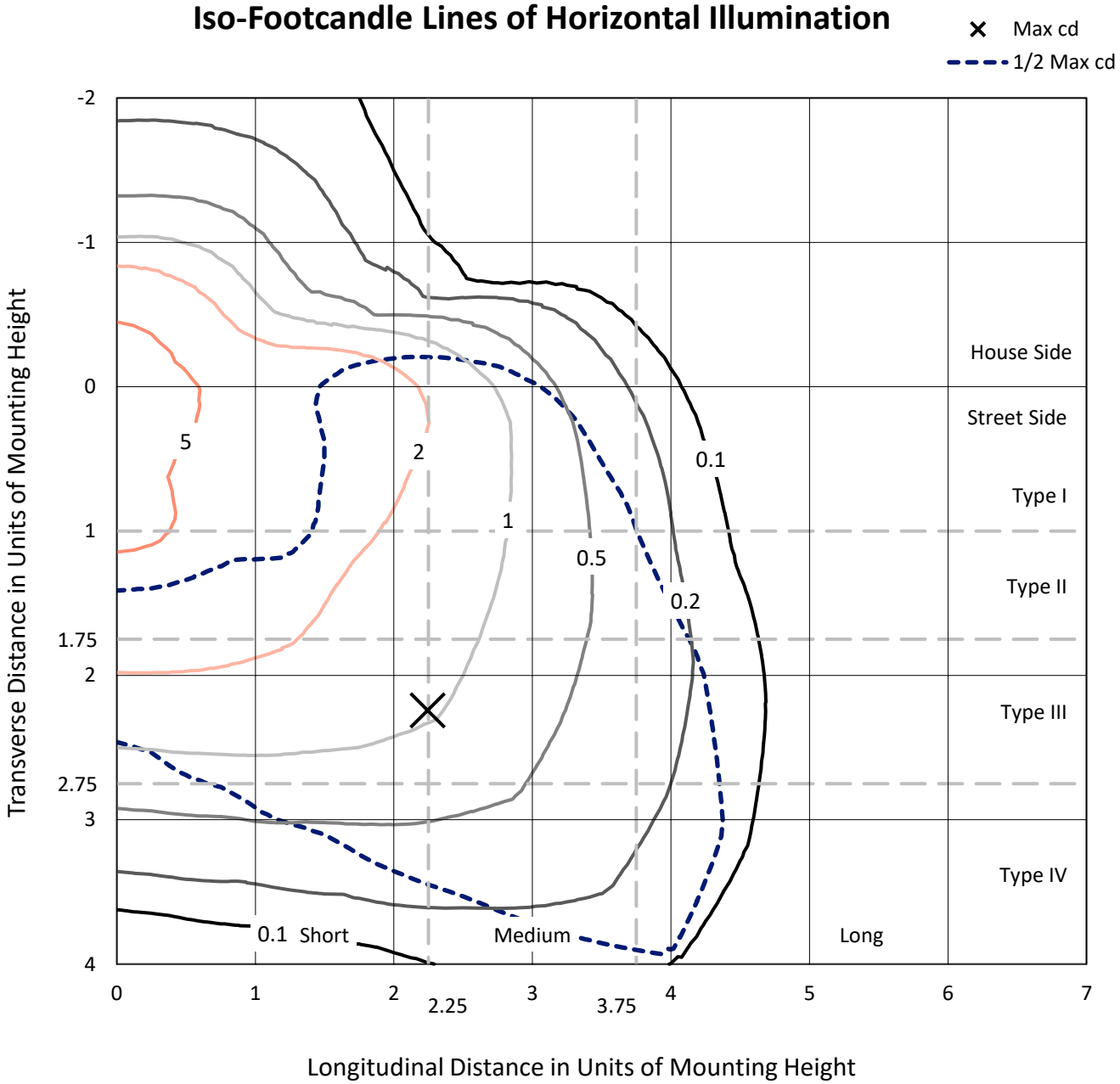


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Iso-Footcandle Lines of Horizontal Illumination



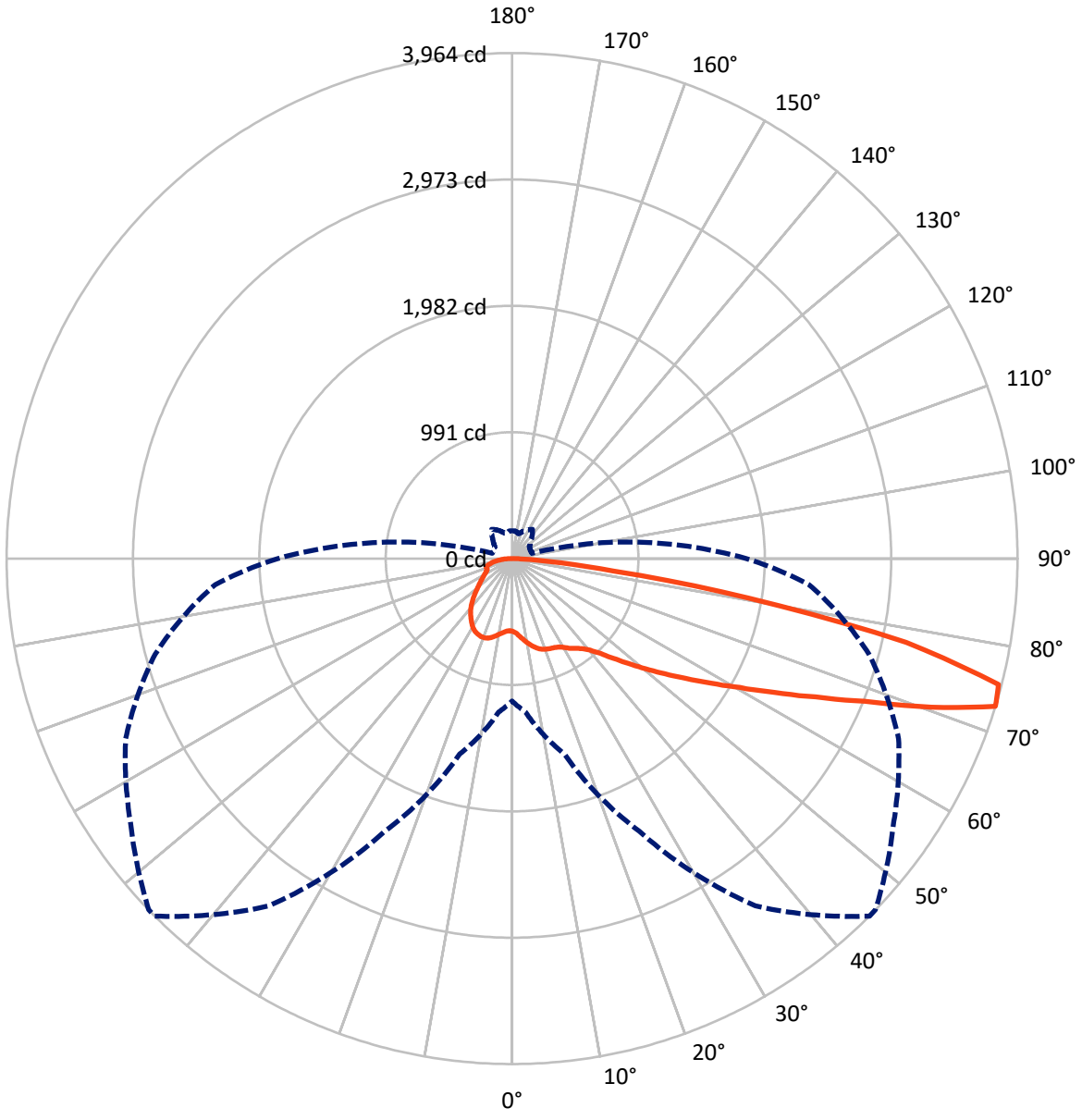
Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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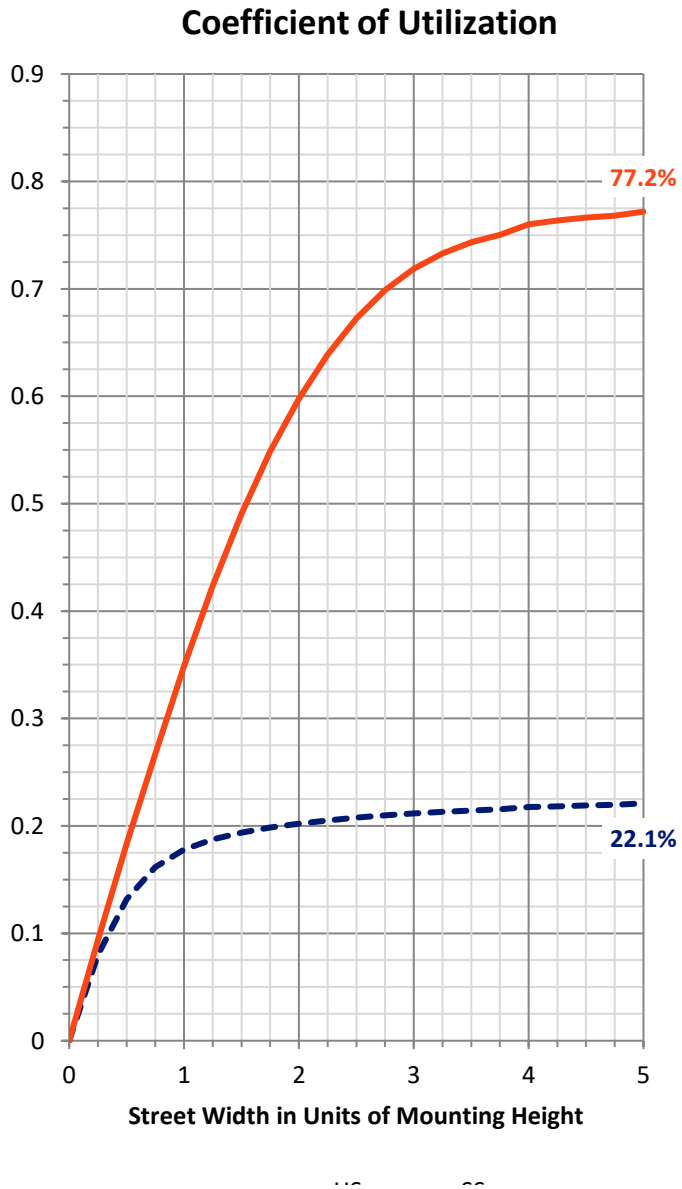
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1277.3	0.0	1277.3
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	4372.7	0.0	4372.7
	% Fixture	77.4	0.0	77.4
Total	Lumens	5650.0	0.0	5650.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.0
10°-20°	193.4	3.4
20°-30°	336.5	6.0
30°-40°	482.3	8.5
40°-50°	679.2	12.0
50°-60°	1040.3	18.4
60°-70°	1507.0	26.7
70°-80°	1203.4	21.3
80°-90°	149.9	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°	5650.0	100.0
0°-180°	5650.0	100.0



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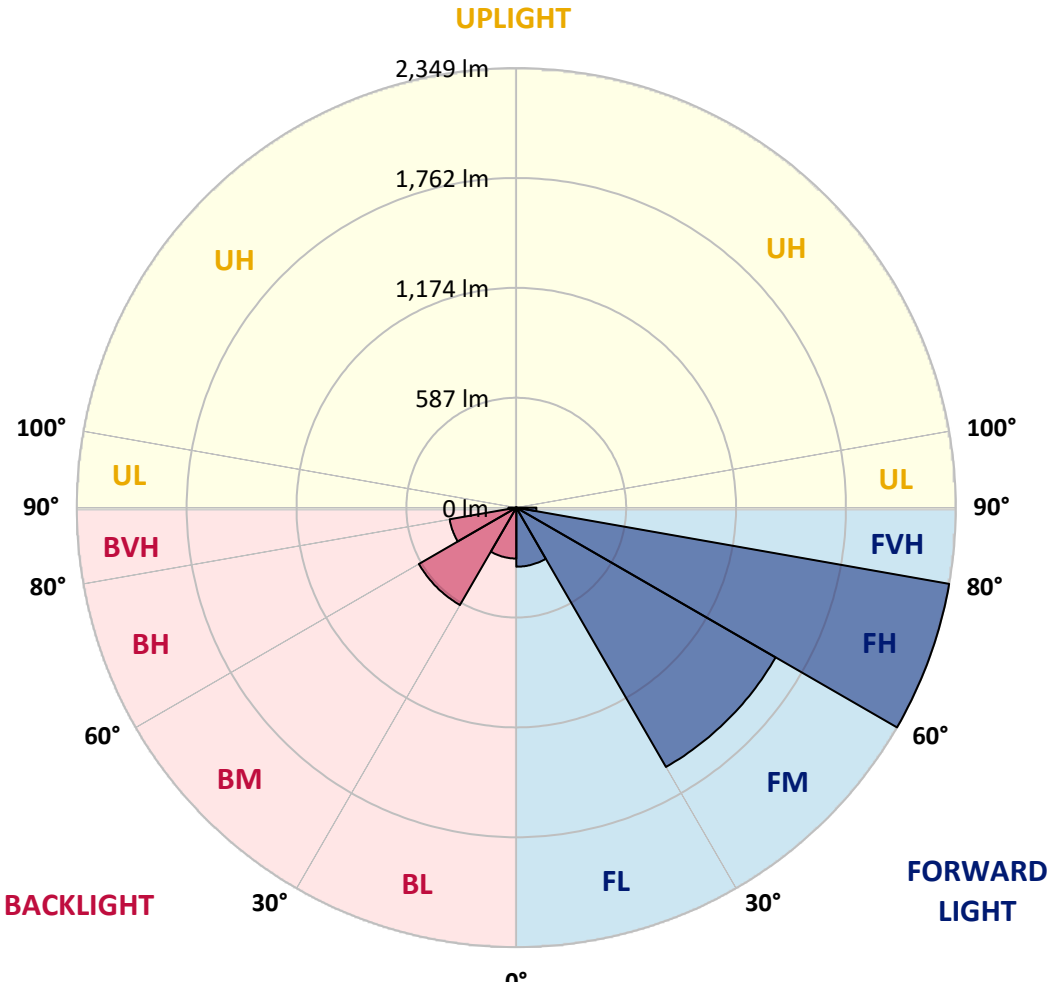
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	316.0	5.6			
FM	(30°-60°)	1600.4	28.3			
FH	(60°-80°)	2348.9	41.6			G2/5000
FVH	(80°-90°)	107.5	1.9			G2/225
BL	(0°-30°)	271.9	4.8	B1/500		
BM	(30°-60°)	601.4	10.6	B1/1000		
BH	(60°-80°)	361.6	6.4	B1/500		G1/500
BVH	(80°-90°)	42.4	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-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	570.0	570.0	570.0	570.0	570.0	*570.0*	570.0	570.0	570.0	570.0	570.0
2.5°	592.3	596.2	592.6	589.3	587.8	*584.0*	583.7	581.3	579.8	575.6	574.4
5°	633.7	638.7	632.8	626.2	620.3	*610.8*	609.6	602.7	595.0	586.0	581.0
7.5°	680.4	684.9	678.0	668.2	657.8	*642.0*	641.7	629.2	617.0	601.8	593.2
10°	721.2	727.1	717.9	704.5	691.4	*673.6*	671.5	657.2	641.7	622.1	609.0
12.5°	757.2	761.4	752.4	736.1	720.9	*703.0*	700.3	684.6	667.3	645.0	628.3
15°	785.8	791.1	779.2	761.7	745.6	*728.0*	725.6	711.4	694.1	670.6	649.1
17.5°	804.5	809.0	796.8	777.1	761.7	*747.1*	745.3	733.4	718.2	694.4	671.5
20°	811.7	816.4	803.6	783.7	769.4	*758.1*	757.2	748.6	738.1	716.4	693.2
22.5°	818.8	823.3	806.6	785.8	773.3	*766.1*	765.8	760.2	756.0	738.1	715.5
25°	847.7	848.9	826.5	796.5	778.6	*772.4*	772.1	771.8	773.6	759.6	739.6
27.5°	872.7	872.4	853.3	825.1	797.4	*784.3*	784.0	787.0	792.6	781.0	764.6
30°	909.3	906.0	883.4	853.9	828.6	*808.4*	806.6	803.9	808.4	799.2	789.6
32.5°	987.0	976.5	939.9	887.6	854.5	*839.0*	836.7	820.0	821.8	816.1	811.4
35°	1098.3	1084.6	1035.8	951.2	886.7	*864.6*	863.4	842.3	838.7	833.7	835.5
37.5°	1230.7	1213.8	1156.9	1043.5	942.0	*894.4*	892.6	873.6	859.0	853.6	863.7
40°	1363.8	1342.3	1295.3	1156.0	1023.6	*944.1*	938.4	909.6	892.9	884.0	905.4
42.5°	1492.9	1475.1	1434.9	1282.2	1124.2	*1016.7*	1004.2	954.8	942.3	934.0	972.7
45°	1607.2	1591.2	1561.7	1417.1	1242.0	*1115.5*	1103.3	1022.7	1018.8	1018.8	1074.8
47.5°	1700.1	1696.5	1665.3	1554.6	1381.0	*1228.1*	1206.9	1117.0	1127.4	1143.5	1219.7
50°	1803.1	1793.3	1759.9	1690.0	1544.4	*1356.9*	1339.7	1232.8	1271.8	1315.9	1429.3
52.5°	1897.7	1903.1	1865.9	1831.1	1729.0	*1500.7*	1470.3	1369.4	1453.7	1526.6	1674.8
55°	1995.1	1995.4	1984.9	1980.2	1922.4	*1659.6*	1626.3	1533.7	1667.7	1758.1	1961.1
57.5°	2086.4	2087.0	2102.5	2144.5	2146.9	*1843.0*	1805.2	1735.5	1905.5	1997.7	2256.4
60°	2168.0	2172.2	2214.4	2312.6	2344.2	*2053.1*	2017.4	1973.9	2151.3	2244.2	2566.8
62.5°	2195.4	2210.6	2304.6	2444.2	2539.1	*2310.9*	2275.7	2249.8	2409.7	2496.0	2826.4
65°	2148.9	2183.8	2365.6	2552.8	2739.7	*2617.1*	2582.3	2554.0	2678.1	2759.4	3039.5
67.5°	2034.9	2079.9	2362.0	2666.8	2983.2	*2985.6*	2953.2	2886.8	2966.0	2997.2	3108.8
70°	1734.6	1801.9	2154.0	2709.4	3262.7	*3489.5*	3458.2	3287.4	3253.2	3102.0	2913.6
72.5°	*1117.6*	*1208.1*	*1586.1*	*2359.1*	*3324.9*	*3963.6*	*3961.8*	*3649.0*	*3344.0*	*2898.4*	*2336.7*
75°	407.8	463.1	736.9	1480.7	2790.9	*3939.5*	3951.1	3587.1	3052.6	2238.8	1455.7
77.5°	148.5	162.5	240.5	569.1	1716.5	*3160.9*	3185.0	2867.7	2172.8	1123.6	576.8
80°	78.0	85.7	123.2	220.8	735.5	*1877.2*	1915.0	1704.3	1021.2	338.4	172.9
82.5°	43.2	46.7	69.1	119.9	331.3	*802.7*	825.3	673.3	359.2	143.5	71.4
85°	23.2	24.7	32.4	65.5	161.9	*278.3*	284.5	201.2	143.2	84.2	34.5
87.5°	6.8	8.3	10.7	20.8	63.4	*62.5*	64.0	39.9	56.6	42.6	11.3
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°	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0
2.5°	572.7	571.8	568.5	567.0	565.2	564.9	566.4	566.7	567.0	567.3	568.5
5°	578.0	575.0	572.1	570.3	570.9	571.2	574.1	576.2	577.7	578.9	579.5
7.5°	588.4	586.0	581.0	580.7	581.6	584.3	588.1	592.9	595.6	597.7	598.3
10°	603.9	599.4	593.5	594.4	596.2	600.0	608.1	611.9	616.4	620.3	619.4
12.5°	619.7	615.8	609.0	609.6	612.5	619.4	627.1	631.9	634.9	637.8	639.0
15°	640.2	633.4	625.9	625.9	631.3	638.7	642.3	646.2	648.0	651.2	652.4
17.5°	661.3	652.4	642.6	642.0	648.6	652.1	654.2	654.8	655.4	659.0	660.2
20°	682.5	672.7	658.7	657.5	659.0	658.4	658.1	657.5	658.4	662.8	664.6
22.5°	703.3	692.0	672.7	667.3	663.1	657.5	657.2	656.9	657.5	661.9	664.9
25°	727.7	714.0	688.1	672.1	658.1	650.3	651.2	651.5	652.1	655.7	660.5
27.5°	754.2	739.0	702.4	670.6	645.3	639.9	638.4	639.3	641.4	647.1	652.7
30°	780.7	762.8	715.5	664.6	629.2	621.8	617.0	619.1	625.6	631.3	637.5
32.5°	804.8	787.0	725.9	651.5	608.7	597.1	590.8	593.5	600.0	602.1	609.6
35°	833.1	812.8	730.4	630.7	586.3	568.5	560.2	556.3	559.6	557.5	564.0
37.5°	864.6	843.5	729.8	603.3	560.2	539.6	528.0	513.4	506.6	499.4	503.9
40°	911.4	881.0	722.7	570.3	527.7	509.0	488.1	463.4	447.9	434.0	434.8
42.5°	975.1	933.1	709.6	534.0	491.1	473.5	445.3	416.4	392.0	368.8	366.7
45°	1070.0	1001.3	693.2	495.3	451.5	434.3	403.6	371.2	343.5	313.7	310.1
47.5°	1206.9	1092.9	677.7	451.2	409.8	394.1	366.4	336.3	303.6	274.7	271.4
50°	1395.0	1224.5	663.4	408.4	368.8	356.9	334.8	304.2	271.1	247.9	246.4
52.5°	1634.3	1403.4	657.5	367.0	330.4	325.9	308.4	279.8	248.5	228.9	227.4
55°	1909.0	1617.4	657.5	327.4	296.7	298.2	286.0	259.5	232.5	214.9	213.1
57.5°	2189.4	1834.0	645.6	290.8	268.2	274.4	266.7	243.5	219.1	200.9	197.9
60°	2447.8	2015.6	597.4	257.5	242.9	252.7	247.6	227.7	197.9	182.7	180.4
62.5°	2646.3	2118.0	504.5	231.0	222.0	233.3	230.7	206.9	194.1	187.8	185.7
65°	2745.7	2101.3	385.7	207.5	204.5	222.0	216.4	215.5	205.4	198.2	195.8
67.5°	2684.7	1957.9	279.8	190.2	194.4	211.6	233.3	236.9	218.2	204.2	201.8
70°	2417.1	1698.3	208.3	173.8	181.6	211.9	266.1	247.9	214.0	197.6	195.0
72.5°	*1838.8*	*1266.4*	*161.6*	*156.6*	*164.9*	*213.4*	*280.7*	*242.9*	*202.1*	*218.5*	*216.7*
75°	1051.6	695.3	129.8	135.4	144.1	199.4	273.2	229.8	192.9	200.6	200.6
77.5°	400.9	267.3	107.1	114.6	115.8	174.1	261.3	228.9	183.6	179.2	163.4
80°	139.0	104.5	88.7	91.1	89.6	154.8	250.6	199.1	150.3	134.5	130.1
82.5°	56.8	52.1	70.2	67.3	63.7	120.2	202.4	162.8	122.9	108.6	107.4
85°	24.7	33.0	46.4	40.8	36.9	83.3	162.2	137.8	103.9	89.6	89.3
87.5°	5.1	12.5	19.6	18.5	19.0	55.7	115.2	97.9	73.5	55.1	43.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

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(END OF REPORT)