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: P1202352

Luminaire Tested: GWC-SB1D-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:	P1202352
	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-SB1D-827-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 900mA 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:	6736 lumens
Efficiency:	N/A
Efficacy:	84.6 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):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

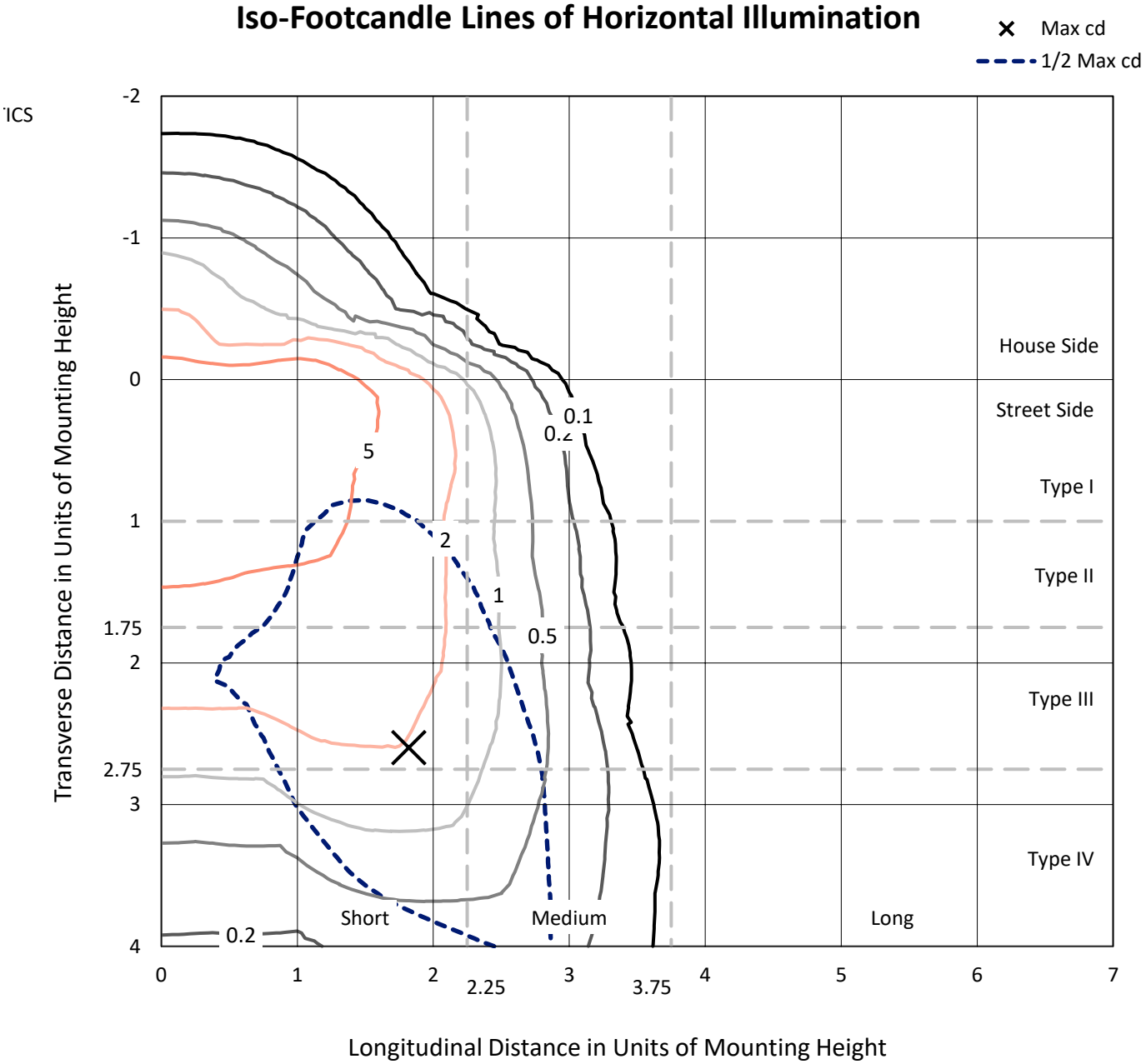


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Iso-Footcandle Lines of Horizontal Illumination



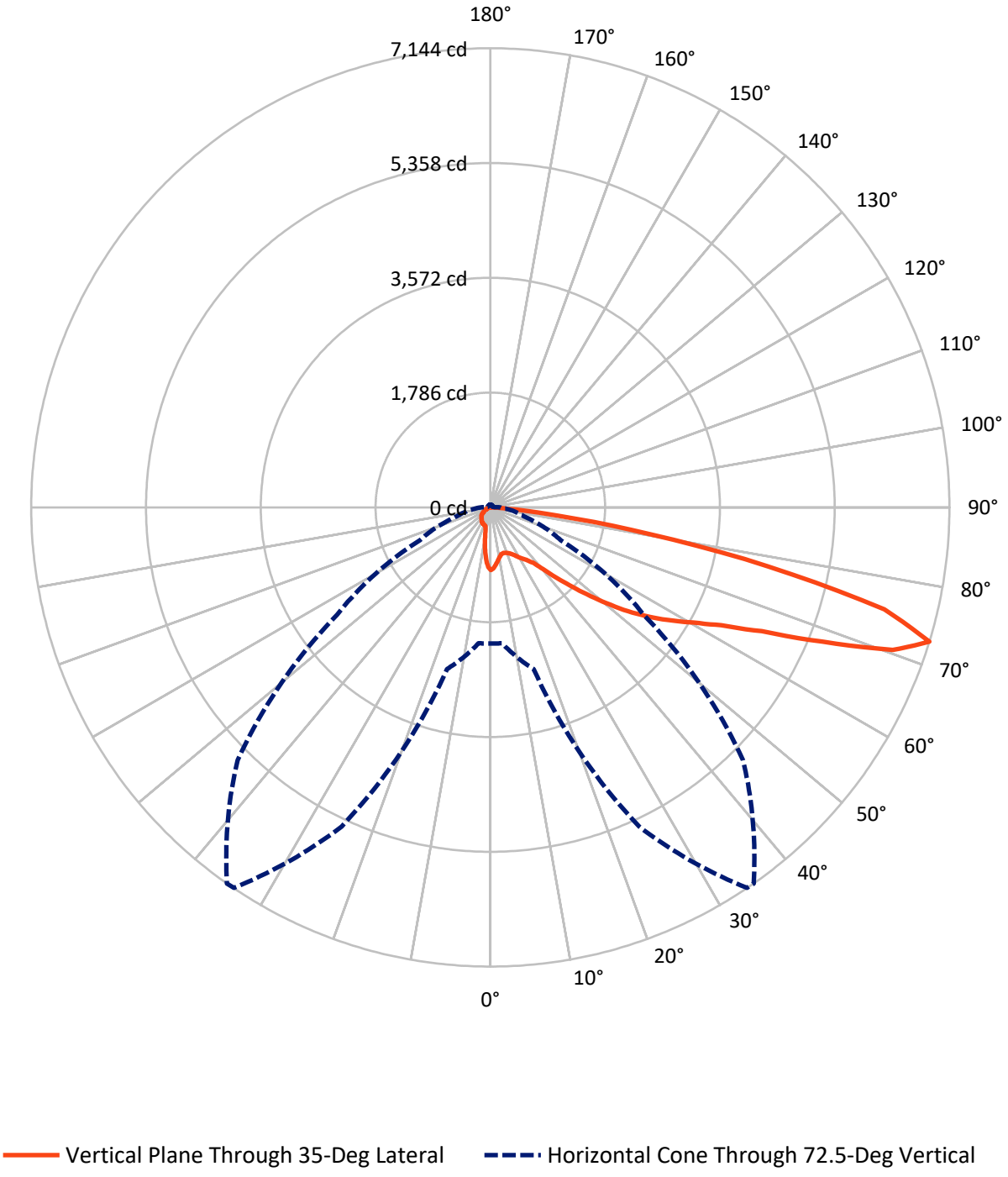
Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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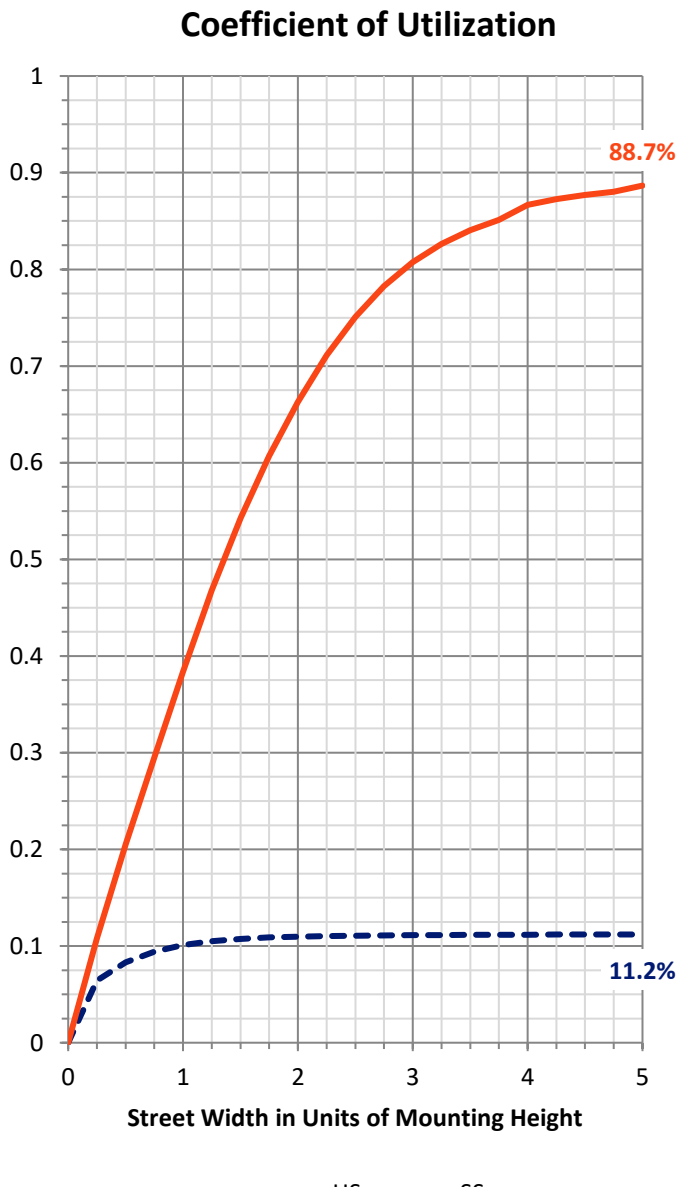
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	758.1	0.0	758.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	5977.9	0.0	5977.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	6736.0	0.0	6736.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	1.2
10°-20°	187.7	2.8
20°-30°	304.9	4.5
30°-40°	508.7	7.6
40°-50°	962.4	14.3
50°-60°	1529.3	22.7
60°-70°	1891.8	28.1
70°-80°	1176.0	17.5
80°-90°	95.0	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°	6736.0	100.0
0°-180°	6736.0	100.0



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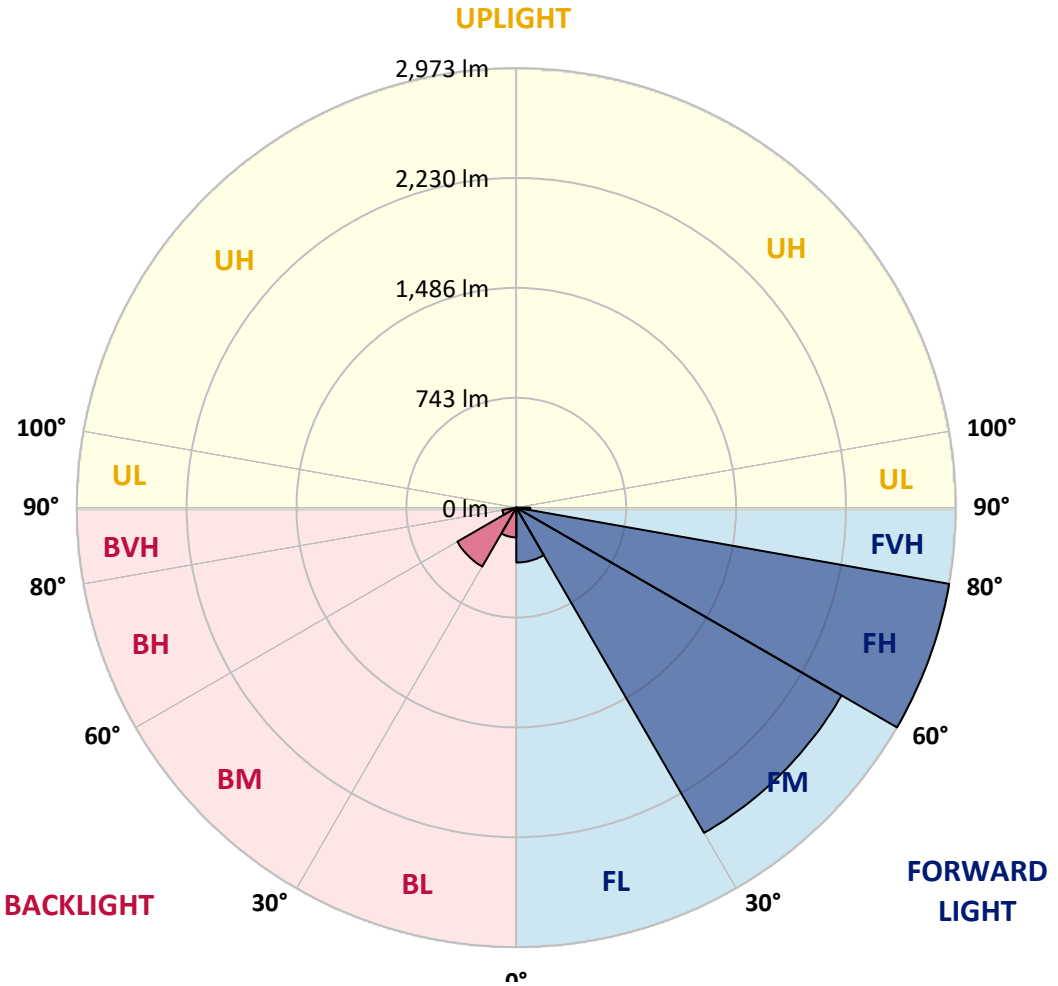
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	371.3	5.5			
FM	(30°-60°)	2540.1	37.7			
FH	(60°-80°)	2972.7	44.1			G2/5000
FVH	(80°-90°)	93.7	1.4			G1/100
BL	(0°-30°)	201.4	3.0	B1/500		
BM	(30°-60°)	460.2	6.8	B1/1000		
BH	(60°-80°)	95.1	1.4	B0/110		G0/110
BVH	(80°-90°)	1.3	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°	976.3	976.3	976.3	976.3	976.3	*976.3*	976.3	976.3	976.3	976.3	976.3
2.5°	932.8	940.7	942.2	944.7	944.7	*947.6*	952.6	959.5	970.8	976.8	980.7
5°	859.8	865.7	873.1	879.0	890.4	*891.9*	911.1	929.9	956.0	975.8	989.6
7.5°	786.2	793.2	803.0	817.3	832.2	*836.6*	865.7	897.3	938.8	975.8	999.0
10°	734.4	734.9	743.8	758.1	781.8	*787.2*	822.8	867.7	919.5	969.9	1007.9
12.5°	705.3	708.8	712.7	723.6	746.3	*749.7*	787.7	840.5	900.3	966.4	1018.2
15°	705.3	707.8	710.2	715.7	733.9	*736.9*	770.5	823.3	890.4	967.9	1035.0
17.5°	712.7	716.7	714.7	721.1	740.3	*742.3*	771.9	818.3	889.9	977.3	1060.7
20°	730.5	733.4	729.5	733.4	752.7	*756.6*	787.2	827.7	898.3	993.5	1092.8
22.5°	758.6	760.1	750.7	753.7	773.4	*778.4*	813.9	854.4	918.5	1019.7	1135.7
25°	794.1	797.1	782.8	786.2	805.0	*810.9*	851.9	894.3	950.6	1055.7	1190.5
27.5°	835.1	836.6	824.3	823.8	847.9	*856.3*	897.8	943.7	993.5	1101.1	1259.6
30°	882.0	886.4	874.6	872.6	903.2	*910.1*	951.1	1004.4	1056.7	1169.3	1357.8
32.5°	919.0	922.5	915.6	920.5	951.6	*957.0*	1015.8	1090.3	1155.9	1266.0	1491.6
35°	972.3	974.3	958.5	967.4	1002.9	*1016.7*	1104.1	1210.7	1280.8	1387.4	1666.3
37.5°	1165.3	1165.3	1098.2	1054.3	1088.3	*1100.7*	1225.0	1362.2	1434.8	1550.3	1886.4
40°	1432.3	1427.9	1329.7	1239.8	1235.4	*1259.6*	1397.3	1553.3	1633.7	1745.7	2134.2
42.5°	1717.1	1710.2	1576.4	1487.6	1472.8	*1481.2*	1596.2	1788.7	1870.6	1984.1	2400.7
45°	1969.8	1967.8	1845.4	1726.0	1699.3	*1726.0*	1844.5	2064.1	2122.8	2242.3	2666.7
47.5°	2181.6	2181.6	2092.2	2014.2	2000.4	*2016.2*	2180.6	2369.6	2364.2	2517.2	2925.9
50°	2425.4	2423.4	2338.5	2305.0	2319.3	*2341.5*	2567.5	2691.4	2613.9	2787.2	3157.3
52.5°	2596.2	2608.0	2578.9	2573.4	2646.5	*2685.0*	2960.4	3006.3	2837.5	3043.3	3330.6
55°	2731.4	2745.2	2778.8	2816.8	2957.4	*3007.8*	3340.9	3304.9	3024.6	3265.4	3430.3
57.5°	2922.9	2903.2	2955.0	3030.0	3257.5	*3318.2*	3709.6	3586.7	3175.1	3445.6	3441.1
60°	3155.4	3158.3	3167.2	3262.0	3557.1	*3635.1*	4072.9	3853.3	3271.8	3556.1	3320.7
62.5°	3434.7	3439.2	3457.4	3603.0	3959.4	*4032.9*	4459.9	4071.4	3316.3	3525.0	3009.8
65°	3415.5	3434.2	3638.1	4136.1	4570.9	*4643.5*	4911.5	4224.4	3249.1	3240.8	2450.6
67.5°	3111.4	3142.0	3483.1	4772.8	5492.9	*5573.8*	5457.4	4254.5	2959.4	2520.1	1598.7
70°	2712.6	2723.5	3133.6	5345.3	6560.5	*6642.4*	5946.0	3923.4	2245.7	1405.7	716.2
72.5°	*2118.4*	*2120.9*	*2602.1*	*5478.1*	*7139.9*	*7144.4*	*5562.5*	*2912.5*	*1207.8*	*540.0*	*248.8*
75°	1513.3	1498.5	1742.8	4442.6	6281.6	*6331.9*	4170.1	1366.2	461.5	255.2	123.9
77.5°	811.4	827.7	986.1	2634.7	4339.4	*4425.3*	2275.3	393.9	234.9	173.7	81.9
80°	250.7	264.6	404.2	1206.3	2458.0	*2509.8*	843.5	175.2	163.9	123.9	53.8
82.5°	79.0	81.9	188.5	506.9	1020.2	*1043.9*	244.3	99.2	112.0	81.9	31.6
85°	22.7	23.2	83.9	189.0	252.2	*257.1*	68.6	38.5	64.2	50.8	16.3
87.5°	2.5	7.9	31.6	31.6	22.2	*21.7*	7.4	8.4	18.3	6.4	3.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	976.3	976.3	976.3	976.3	976.3	976.3	976.3	976.3	976.3	976.3	976.3
2.5°	978.2	978.7	972.3	961.5	949.6	939.7	927.4	917.5	910.6	908.7	912.1
5°	985.2	981.7	963.4	930.4	890.9	856.8	818.8	788.7	769.0	760.6	763.5
7.5°	995.5	985.6	945.7	880.5	805.0	737.9	669.8	617.0	583.4	566.6	569.1
10°	1004.4	984.7	916.1	808.5	693.0	591.3	499.5	435.8	400.3	383.5	384.0
12.5°	1012.8	984.2	877.6	723.1	566.6	442.2	356.8	325.3	315.4	311.9	310.9
15°	1028.6	985.6	829.2	625.3	440.8	334.1	303.0	302.6	304.5	303.5	303.0
17.5°	1050.3	987.1	774.4	521.7	340.1	294.7	293.2	297.6	300.6	299.1	298.6
20°	1078.4	993.1	716.2	419.0	292.2	284.8	288.2	292.2	294.7	292.2	291.7
22.5°	1117.9	1003.4	652.5	336.6	276.9	278.9	281.8	286.3	288.7	285.3	284.8
25°	1166.3	1019.7	589.8	292.7	269.5	272.0	276.4	281.3	284.3	280.8	280.3
27.5°	1229.0	1045.9	532.1	282.8	262.1	263.6	270.0	277.4	281.3	276.9	276.9
30°	1319.8	1088.8	482.2	287.3	257.6	254.2	263.1	273.4	277.9	273.9	273.4
32.5°	1440.2	1149.5	451.6	294.2	255.7	243.3	251.7	265.0	272.4	270.0	270.0
35°	1598.2	1241.8	439.8	302.1	254.2	232.0	237.9	252.2	265.0	267.5	267.5
37.5°	1789.7	1370.1	443.2	305.5	249.7	222.6	225.6	237.9	254.7	262.6	264.6
40°	2007.3	1519.7	463.0	302.1	244.8	214.7	215.2	224.6	239.4	251.2	255.2
42.5°	2231.9	1694.4	499.5	289.2	240.4	207.8	206.3	212.7	222.6	231.0	234.4
45°	2445.6	1874.1	535.5	271.5	234.9	200.9	197.4	199.9	201.9	205.3	207.3
47.5°	2632.2	2000.4	525.2	255.2	227.5	193.0	187.1	186.1	180.2	179.7	179.2
50°	2761.0	2028.1	466.4	238.9	216.7	184.1	174.7	168.8	158.4	153.5	154.0
52.5°	2802.0	1919.0	381.0	222.6	198.9	172.3	158.9	149.6	136.7	132.3	131.8
55°	2747.7	1705.3	304.5	202.9	174.2	156.5	141.7	129.3	118.9	113.5	113.5
57.5°	2614.9	1433.3	240.9	179.7	148.1	138.7	123.9	111.5	102.7	97.2	96.2
60°	2394.8	1138.2	190.5	152.0	126.4	119.4	104.1	96.2	88.3	81.9	80.5
62.5°	2060.6	812.4	149.6	120.4	105.6	97.7	88.8	82.9	73.5	64.7	63.2
65°	1608.0	497.0	115.5	88.3	84.9	80.9	75.5	70.1	58.7	49.9	48.4
67.5°	1014.3	235.4	82.4	66.6	67.1	65.2	62.7	58.2	49.9	42.0	41.0
70°	446.7	114.0	54.3	50.8	49.9	49.9	51.8	50.3	42.4	35.0	33.6
72.5°	*152.0*	*61.2*	*40.5*	*38.5*	*36.0*	*35.5*	*43.4*	*42.0*	*34.1*	*27.1*	*25.7*
75°	79.5	41.0	29.6	27.6	21.7	26.2	34.5	32.6	24.2	17.8	16.3
77.5°	51.8	29.1	20.2	17.8	12.3	17.3	25.7	22.7	14.3	8.9	7.9
80°	32.6	19.2	11.8	8.4	5.9	9.4	13.8	9.9	5.4	2.0	1.5
82.5°	17.3	9.9	4.4	3.0	2.5	3.0	3.5	2.5	1.0	0.0	0.0
85°	6.9	3.5	1.5	1.0	0.5	0.0	1.0	0.5	0.0	0.0	0.0
87.5°	2.5	0.5	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)