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: P1203100

Luminaire Tested: GWC-SB2B-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:	P1203100
	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-SB2B-827-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA 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:	7413 lumens
Efficiency:	N/A
Efficacy:	100.3 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):	73.9
Input Voltage (V):	120.0
Input Current (Ain):	0.627
Voltage Rise (V):	NR
Power Factor:	0.988
Total Harmonic Distortion (THDi):	13.593
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

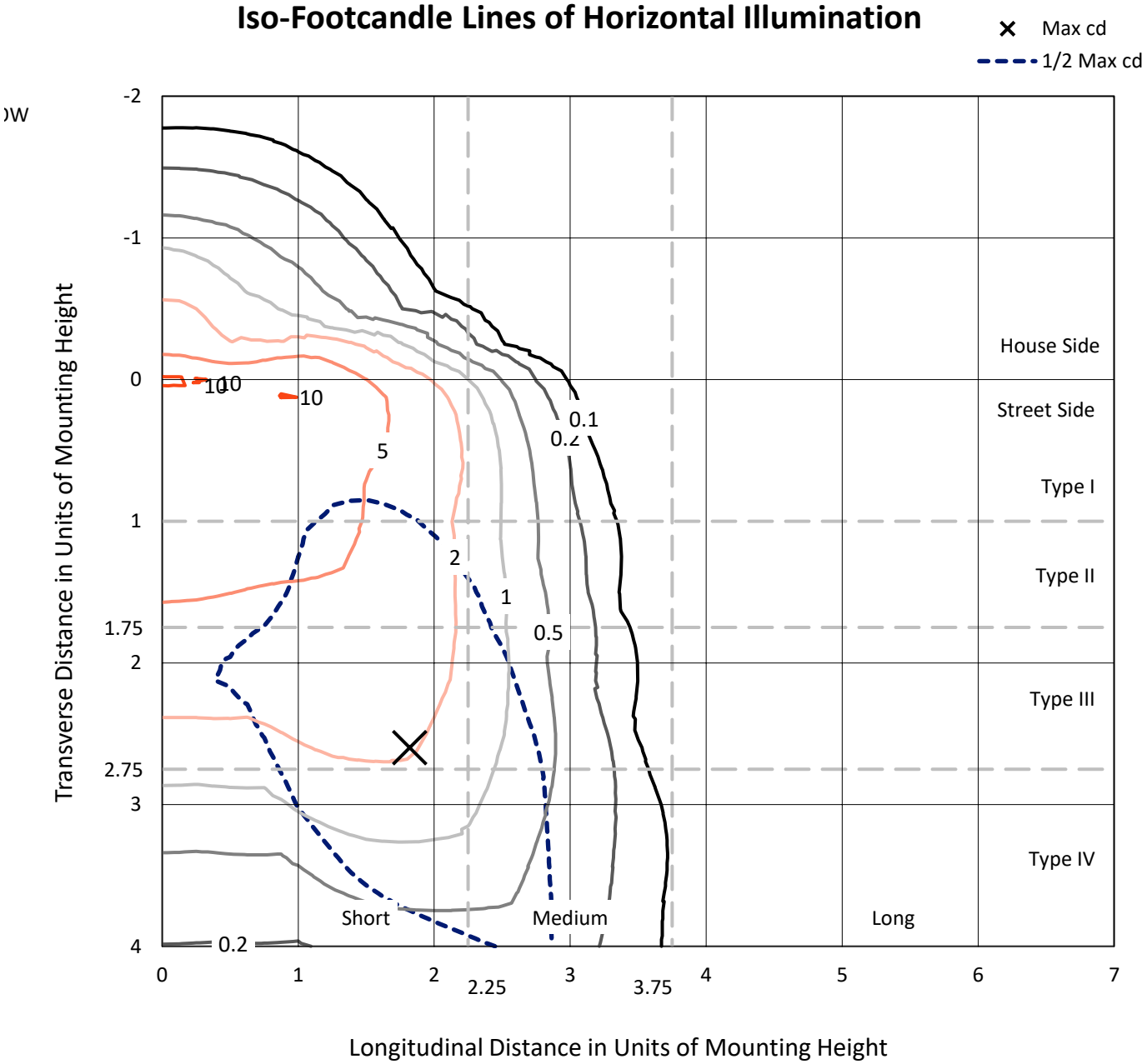


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Iso-Footcandle Lines of Horizontal Illumination



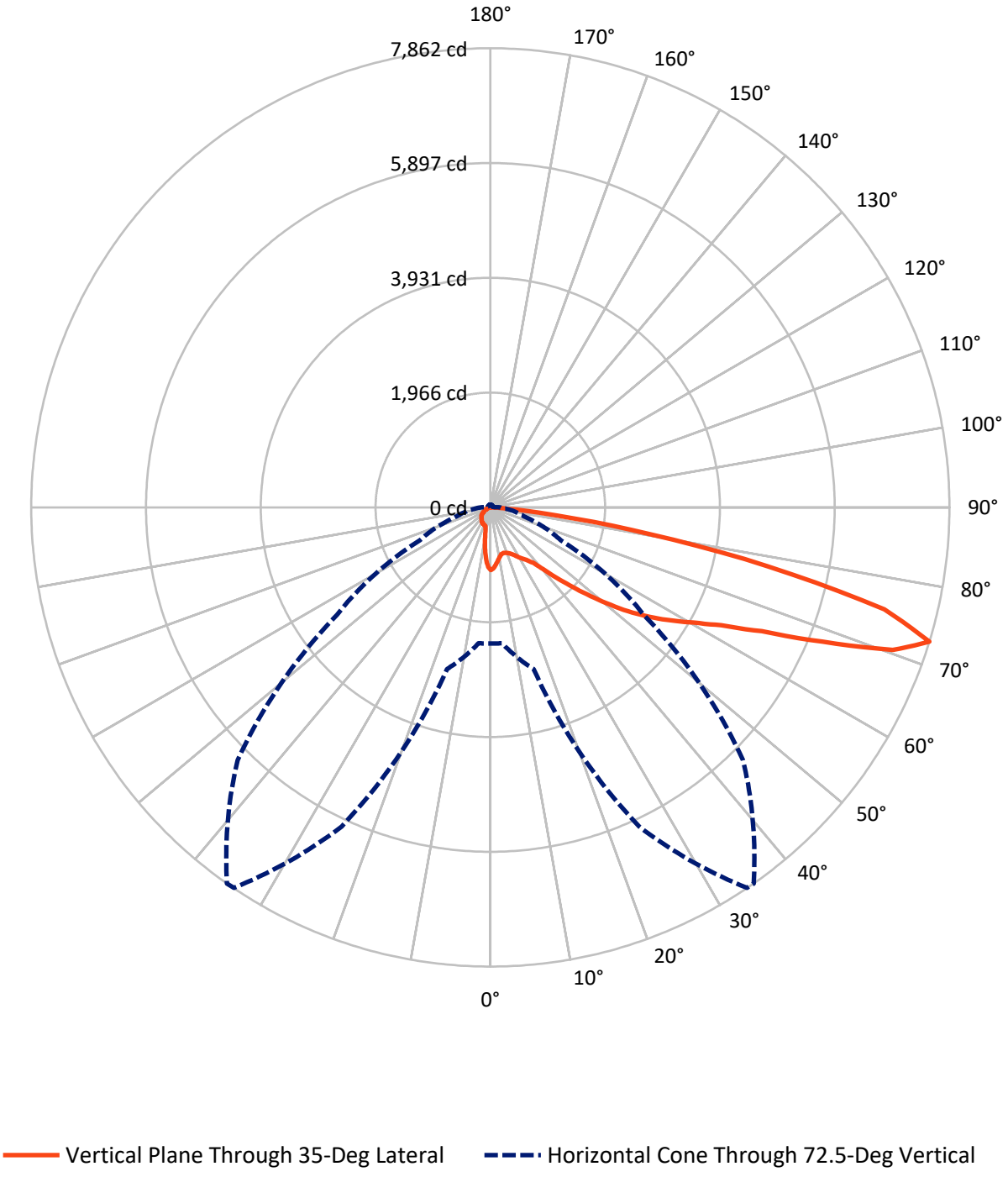
Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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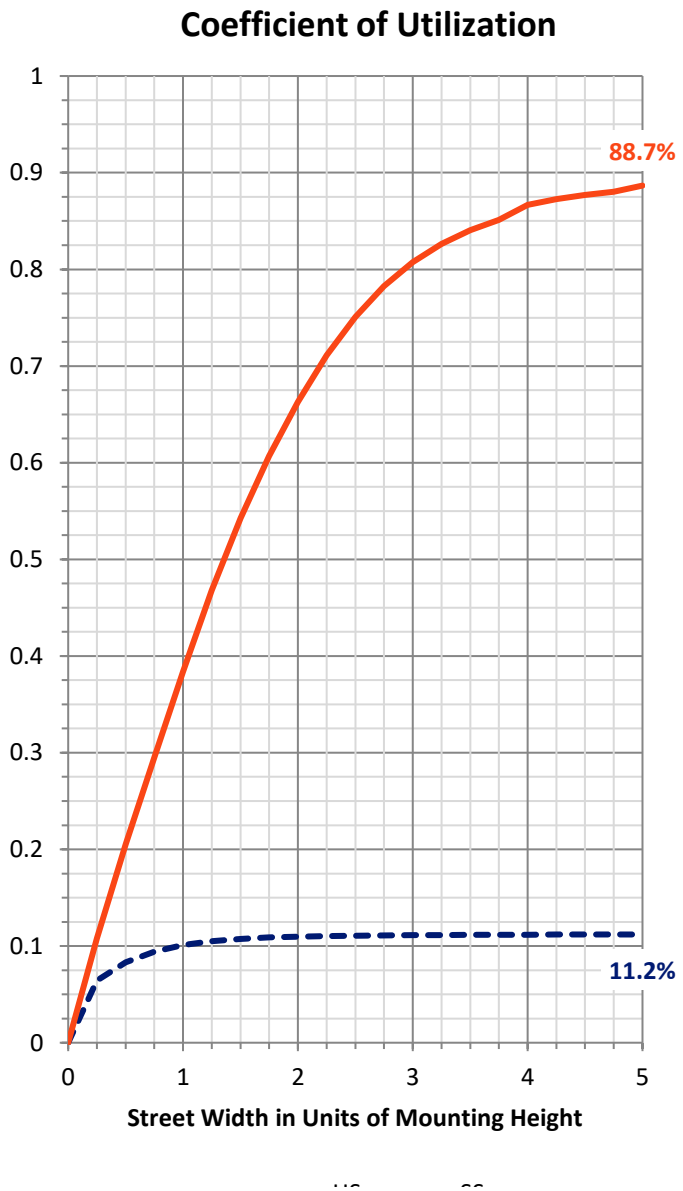
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	834.3	0.0	834.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	6578.7	0.0	6578.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	7413.0	0.0	7413.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	1.2
10°-20°	206.5	2.8
20°-30°	335.5	4.5
30°-40°	559.8	7.6
40°-50°	1059.2	14.3
50°-60°	1683.0	22.7
60°-70°	2082.0	28.1
70°-80°	1294.2	17.5
80°-90°	104.6	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°	7413.0	100.0
0°-180°	7413.0	100.0



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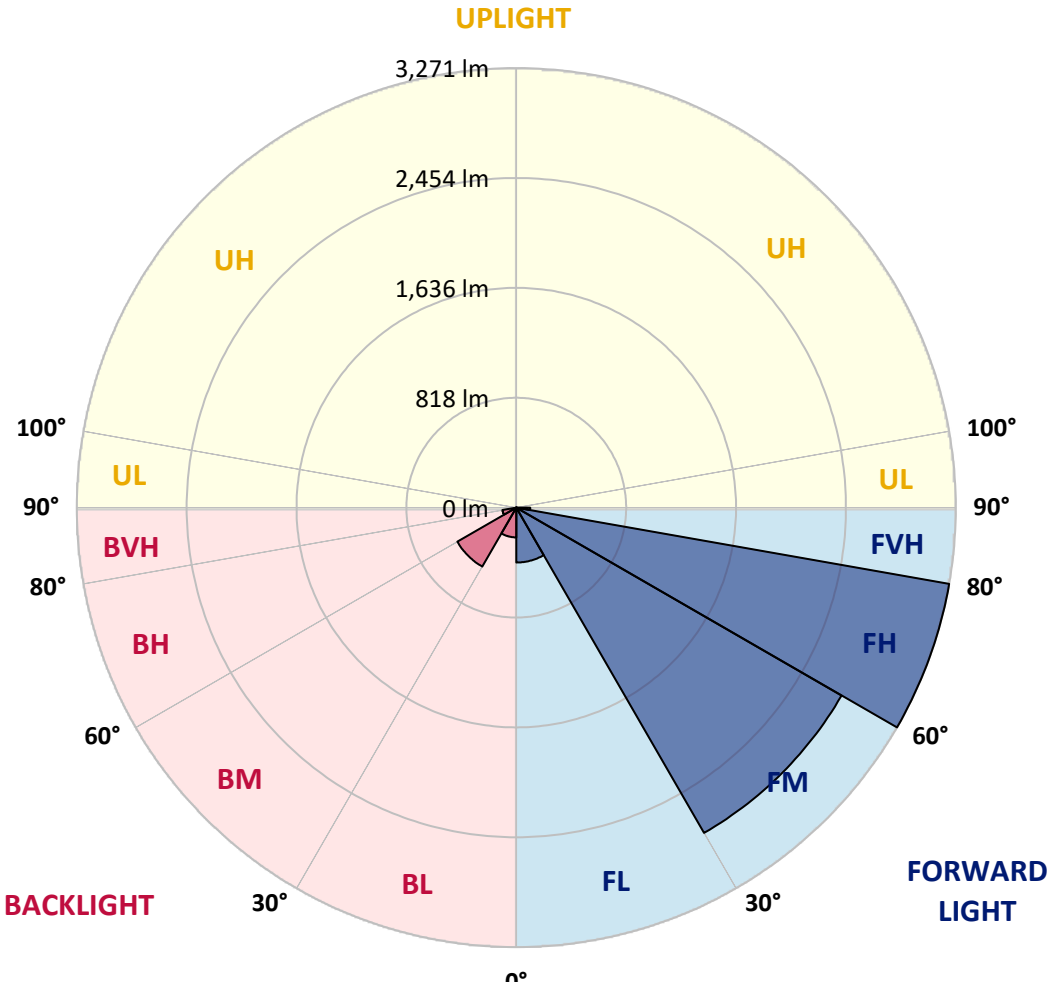
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	408.6	5.5			
FM	(30°-60°)	2795.4	37.7			
FH	(60°-80°)	3271.4	44.1			G2/5000
FVH	(80°-90°)	103.2	1.4			G2/225
BL	(0°-30°)	221.7	3.0	B1/500		
BM	(30°-60°)	506.5	6.8	B1/1000		
BH	(60°-80°)	104.7	1.4	B0/110		G0/110
BVH	(80°-90°)	1.4	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°	1074.4	1074.4	1074.4	1074.4	1074.4	*1074.4*	1074.4	1074.4	1074.4	1074.4	1074.4
2.5°	1026.6	1035.3	1036.9	1039.6	1039.6	*1042.9*	1048.3	1055.9	1068.4	1074.9	1079.3
5°	946.2	952.7	960.9	967.4	979.9	*981.5*	1002.7	1023.3	1052.1	1073.8	1089.1
7.5°	865.3	872.9	883.7	899.5	915.8	*920.7*	952.7	987.5	1033.1	1073.8	1099.4
10°	808.2	808.8	818.6	834.3	860.4	*866.4*	905.5	954.9	1011.9	1067.3	1109.2
12.5°	776.2	780.0	784.3	796.3	821.3	*825.1*	866.9	925.0	990.7	1063.5	1120.6
15°	776.2	778.9	781.6	787.6	807.7	*811.0*	847.9	906.0	979.9	1065.2	1139.0
17.5°	784.3	788.7	786.5	793.6	814.8	*816.9*	849.5	900.6	979.3	1075.5	1167.3
20°	803.9	807.2	802.8	807.2	828.3	*832.7*	866.4	910.9	988.6	1093.4	1202.6
22.5°	834.9	836.5	826.2	829.4	851.1	*856.6*	895.7	940.2	1010.8	1122.2	1249.8
25°	874.0	877.2	861.5	865.3	885.9	*892.4*	937.5	984.2	1046.1	1161.8	1310.1
27.5°	919.0	920.7	907.1	906.6	933.2	*942.4*	988.0	1038.5	1093.4	1211.8	1386.2
30°	970.6	975.5	962.5	960.3	994.0	*1001.6*	1046.7	1105.4	1162.9	1286.8	1494.3
32.5°	1011.4	1015.2	1007.6	1013.0	1047.2	*1053.2*	1117.8	1199.9	1272.1	1393.2	1641.5
35°	1070.0	1072.2	1054.8	1064.6	1103.7	*1118.9*	1215.1	1332.4	1409.5	1526.9	1833.7
37.5°	1282.4	1282.4	1208.6	1160.2	1197.7	*1211.3*	1348.2	1499.2	1579.0	1706.1	2076.0
40°	1576.3	1571.4	1463.3	1364.4	1359.6	*1386.2*	1537.7	1709.4	1797.9	1921.2	2348.7
42.5°	1889.7	1882.1	1734.9	1637.1	1620.8	*1630.1*	1756.6	1968.5	2058.6	2183.5	2642.0
45°	2167.8	2165.6	2030.9	1899.5	1870.1	*1899.5*	2029.8	2271.5	2336.2	2467.6	2934.8
47.5°	2400.8	2400.8	2302.5	2216.7	2201.5	*2218.9*	2399.7	2607.8	2601.8	2770.2	3219.9
50°	2669.1	2667.0	2573.5	2536.6	2552.4	*2576.8*	2825.6	2961.9	2876.6	3067.3	3474.7
52.5°	2857.1	2870.1	2838.1	2832.1	2912.5	*2954.9*	3257.9	3308.5	3122.7	3349.2	3665.3
55°	3005.9	3021.1	3058.1	3099.9	3254.7	*3310.1*	3676.7	3637.1	3328.6	3593.6	3775.0
57.5°	3216.7	3194.9	3252.0	3334.5	3584.9	*3651.7*	4082.5	3947.2	3494.2	3791.9	3787.0
60°	3472.5	3475.8	3485.5	3589.8	3914.6	*4000.5*	4482.2	4240.5	3600.7	3913.5	3654.5
62.5°	3779.9	3784.8	3804.9	3965.1	4357.3	*4438.3*	4908.1	4480.6	3649.6	3879.3	3312.3
65°	3758.7	3779.4	4003.7	4551.8	5030.3	*5110.2*	5405.1	4649.0	3575.7	3566.5	2696.8
67.5°	3424.1	3457.8	3833.2	5252.5	6045.0	*6134.0*	6005.8	4682.1	3256.9	2773.4	1759.3
70°	2985.3	2997.2	3448.6	5882.5	7219.8	*7310.0*	6543.6	4317.7	2471.4	1547.0	788.1
72.5°	*2331.3*	*2334.0*	*2863.6*	*6028.7*	*7857.5*	*7862.4*	*6121.5*	*3205.3*	*1329.1*	*594.2*	*273.8*
75°	1665.4	1649.1	1917.9	4889.1	6912.9	*6968.3*	4589.3	1503.5	507.9	280.8	136.3
77.5°	893.0	910.9	1085.3	2899.4	4775.6	*4870.1*	2504.0	433.5	258.5	191.2	90.2
80°	275.9	291.1	444.9	1327.5	2705.0	*2762.0*	928.3	192.8	180.3	136.3	59.2
82.5°	86.9	90.2	207.5	557.8	1122.7	*1148.8*	268.9	109.2	123.3	90.2	34.8
85°	25.0	25.5	92.3	208.0	277.6	*283.0*	75.5	42.4	70.6	55.9	17.9
87.5°	2.7	8.7	34.8	34.8	24.4	*23.9*	8.1	9.2	20.1	7.1	3.3
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°	1074.4	1074.4	1074.4	1074.4	1074.4	1074.4	1074.4	1074.4	1074.4	1074.4	1074.4
2.5°	1076.6	1077.1	1070.0	1058.1	1045.1	1034.2	1020.6	1009.8	1002.2	1000.0	1003.8
5°	1084.2	1080.4	1060.3	1023.9	980.4	942.9	901.1	868.0	846.3	837.0	840.3
7.5°	1095.6	1084.7	1040.7	969.0	885.9	812.0	737.1	679.0	642.0	623.6	626.3
10°	1105.4	1083.6	1008.1	889.7	762.6	650.7	549.7	479.6	440.5	422.0	422.6
12.5°	1114.6	1083.1	965.8	795.7	623.6	486.7	392.7	357.9	347.1	343.3	342.2
15°	1132.0	1084.7	912.5	688.2	485.1	367.7	333.5	333.0	335.1	334.1	333.5
17.5°	1155.9	1086.3	852.2	574.1	374.2	324.3	322.6	327.5	330.8	329.2	328.6
20°	1186.8	1092.9	788.1	461.2	321.6	313.4	317.2	321.6	324.3	321.6	321.0
22.5°	1230.3	1104.3	718.1	370.4	304.7	306.9	310.2	315.0	317.8	314.0	313.4
25°	1283.5	1122.2	649.1	322.1	296.6	299.3	304.2	309.6	312.9	309.1	308.5
27.5°	1352.5	1151.0	585.5	311.2	288.4	290.1	297.1	305.3	309.6	304.7	304.7
30°	1452.4	1198.2	530.7	316.1	283.5	279.7	289.5	300.9	305.8	301.5	300.9
32.5°	1585.0	1265.0	497.0	323.7	281.4	267.8	277.0	291.7	299.8	297.1	297.1
35°	1758.8	1366.6	484.0	332.4	279.7	255.3	261.8	277.6	291.7	294.4	294.4
37.5°	1969.5	1507.8	487.8	336.2	274.8	245.0	248.2	261.8	280.3	289.0	291.1
40°	2209.1	1672.4	509.5	332.4	269.4	236.3	236.8	247.1	263.4	276.5	280.8
42.5°	2456.2	1864.7	549.7	318.3	264.5	228.7	227.0	234.1	245.0	254.2	258.0
45°	2691.4	2062.4	589.3	298.7	258.5	221.1	217.3	220.0	222.2	226.0	228.1
47.5°	2896.7	2201.5	577.9	280.8	250.4	212.4	205.9	204.8	198.3	197.7	197.2
50°	3038.5	2231.9	513.3	262.9	238.5	202.6	192.3	185.8	174.4	168.9	169.5
52.5°	3083.6	2111.8	419.3	245.0	218.9	189.6	174.9	164.6	150.5	145.6	145.0
55°	3023.8	1876.7	335.1	223.2	191.7	172.2	155.9	142.3	130.9	124.9	124.9
57.5°	2877.7	1577.4	265.1	197.7	163.0	152.6	136.3	122.8	113.0	107.0	105.9
60°	2635.5	1252.6	209.7	167.3	139.1	131.4	114.6	105.9	97.2	90.2	88.5
62.5°	2267.7	894.1	164.6	132.5	116.2	107.5	97.8	91.3	80.9	71.2	69.5
65°	1769.7	547.0	127.1	97.2	93.4	89.1	83.1	77.1	64.6	54.9	53.2
67.5°	1116.2	259.1	90.7	73.3	73.9	71.7	69.0	64.1	54.9	46.2	45.1
70°	491.6	125.5	59.7	55.9	54.9	54.9	57.0	55.4	46.7	38.6	36.9
72.5°	*167.3*	*67.4*	*44.5*	*42.4*	*39.7*	*39.1*	*47.8*	*46.2*	*37.5*	*29.9*	*28.2*
75°	87.5	45.1	32.6	30.4	23.9	28.8	38.0	35.8	26.6	19.6	17.9
77.5°	57.0	32.0	22.3	19.6	13.6	19.0	28.2	25.0	15.8	9.8	8.7
80°	35.8	21.2	13.0	9.2	6.5	10.3	15.2	10.9	6.0	2.2	1.6
82.5°	19.0	10.9	4.9	3.3	2.7	3.3	3.8	2.7	1.1	0.0	0.0
85°	7.6	3.8	1.6	1.1	0.5	0.0	1.1	0.5	0.0	0.0	0.0
87.5°	2.7	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


HS
SS

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(END OF REPORT)