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: P1202728

Luminaire Tested: GWC-SB2A-827-U-T4W-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202728
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-827-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6008 lumens
Efficiency:	N/A
Efficacy:	104.9 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

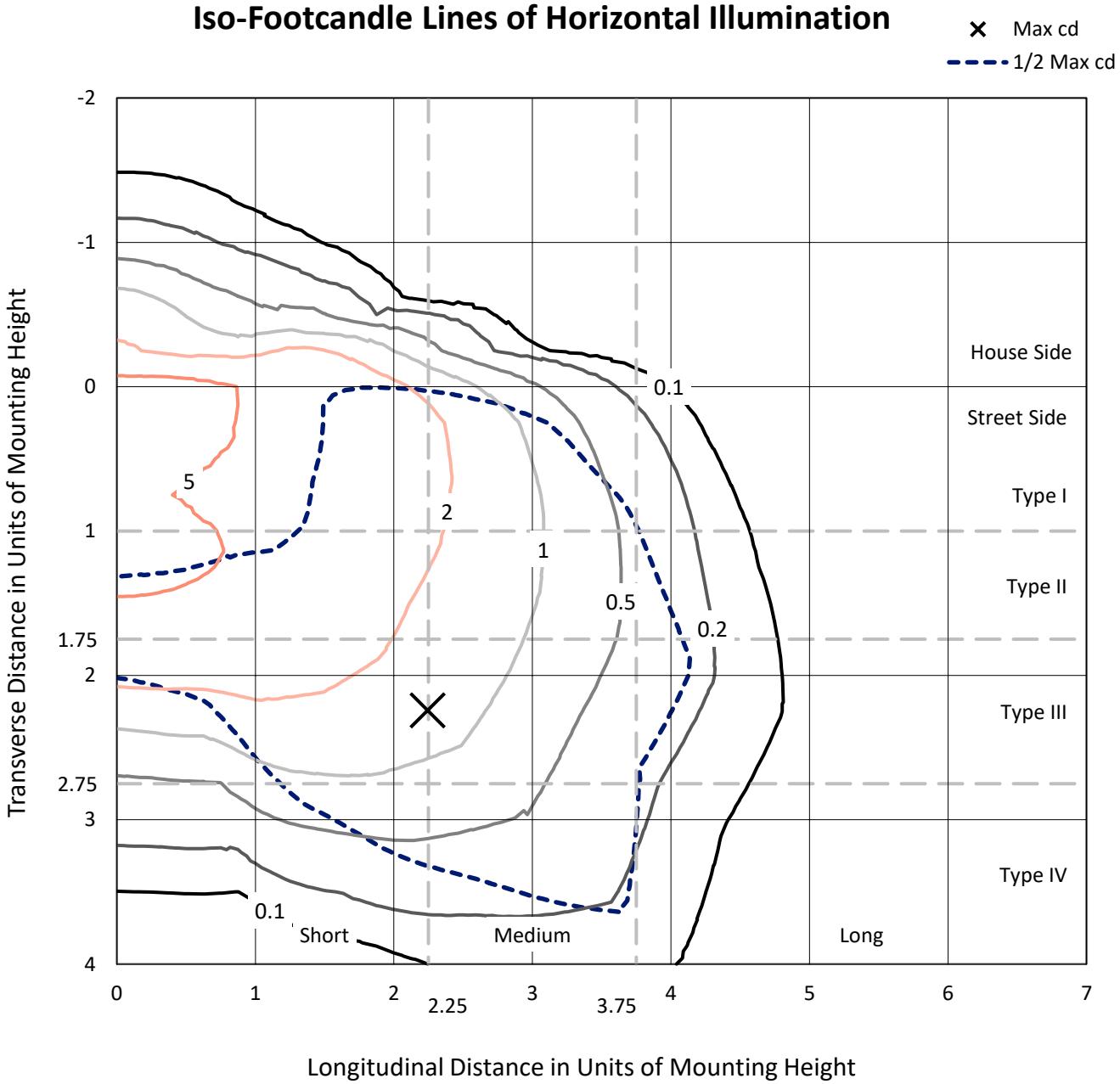


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Iso-Footcandle Lines of Horizontal Illumination



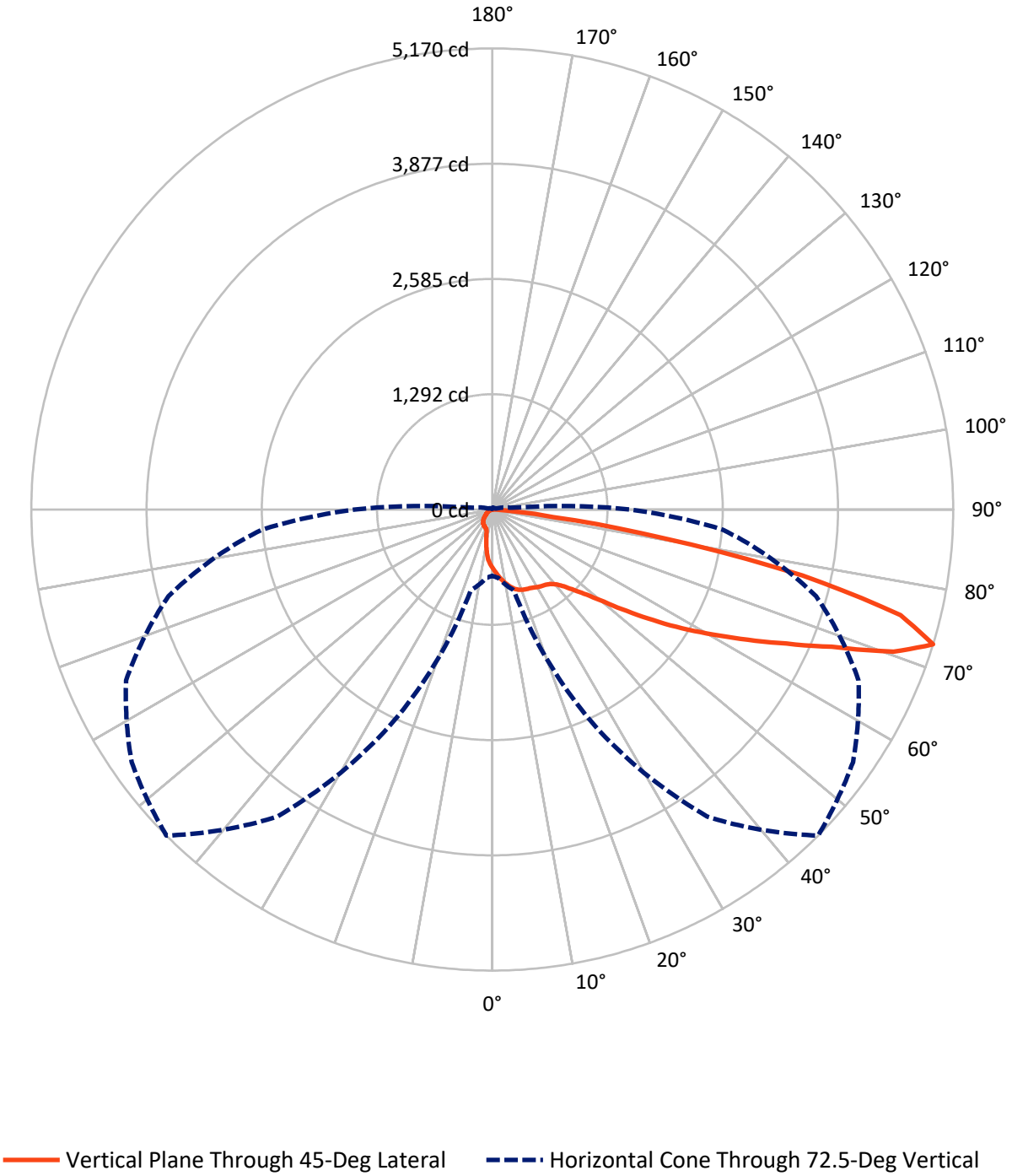
Based on 10 foot mounting height. Maximum calculated value = 9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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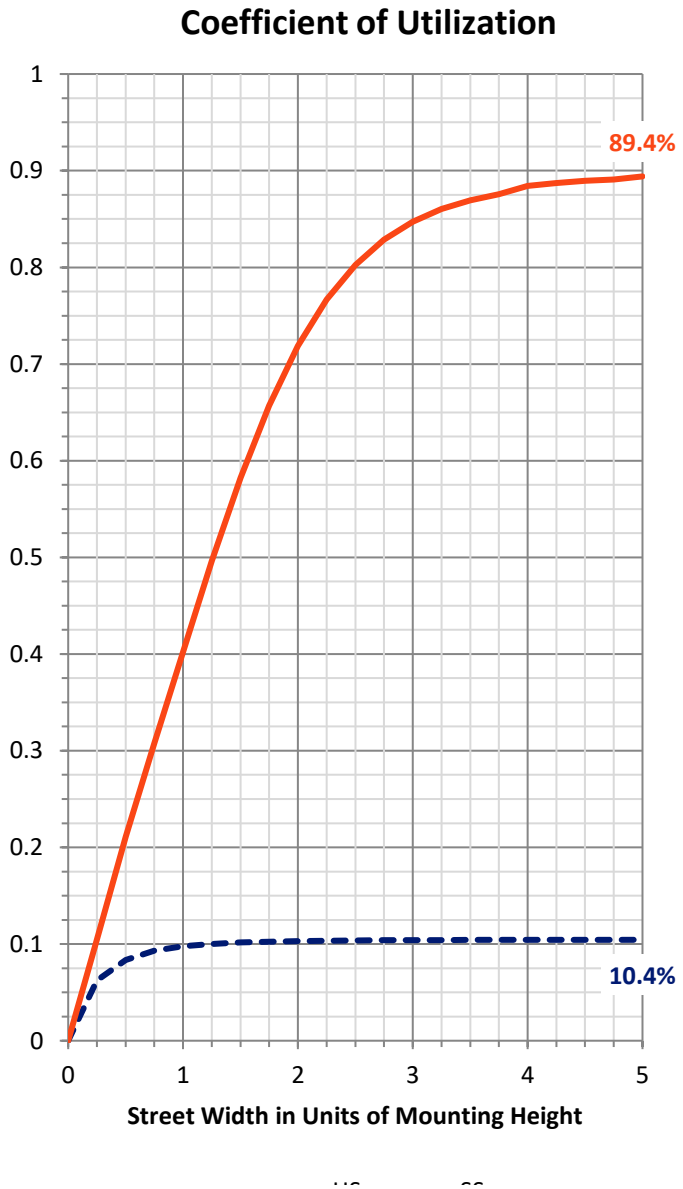
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	631.3	0.0	631.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	5376.7	0.0	5376.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	6008.0	0.0	6008.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	1.0
10°-20°	181.2	3.0
20°-30°	297.6	5.0
30°-40°	422.1	7.0
40°-50°	697.7	11.6
50°-60°	1253.3	20.9
60°-70°	1740.3	29.0
70°-80°	1262.4	21.0
80°-90°	91.3	1.5
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°	6008.0	100.0
0°-180°	6008.0	100.0



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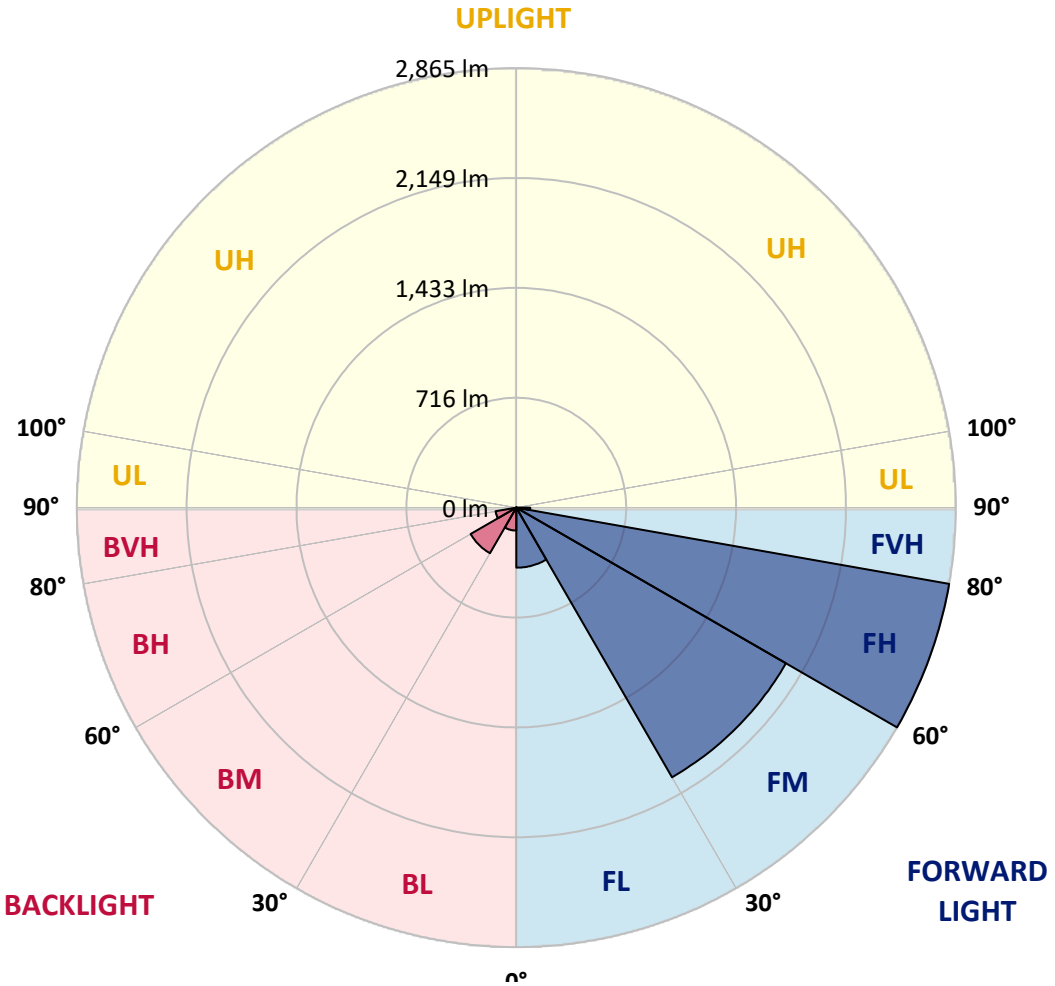
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	391.4	6.5			
FM	(30°-60°)	2029.8	33.8			
FH	(60°-80°)	2865.0	47.7			G2/5000
FVH	(80°-90°)	90.5	1.5			G1/100
BL	(0°-30°)	149.5	2.5	B1/500		
BM	(30°-60°)	343.3	5.7	B1/1000		
BH	(60°-80°)	137.7	2.3	B1/500		G1/500
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°	35°	45°	46°	55°	65°	75°	85°
0°	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2
2.5°	718.9	720.1	719.3	714.4	706.2	701.7	699.2	691.0	685.7	676.2	666.4
5°	784.9	789.8	787.0	777.1	761.5	750.5	747.2	730.4	715.2	697.6	677.1
7.5°	855.0	857.5	852.2	839.4	818.5	799.7	796.8	773.4	749.2	722.2	694.3
10°	915.7	918.6	910.4	891.9	868.2	844.8	840.7	814.8	786.1	752.9	717.2
12.5°	966.6	969.4	958.8	936.6	910.4	886.2	882.1	855.0	823.5	786.5	742.3
15°	1005.1	1010.5	996.1	972.3	944.0	919.8	917.8	891.1	860.4	819.4	772.2
17.5°	1027.7	1033.0	1019.5	990.8	966.6	946.1	943.6	921.5	892.8	853.4	801.3
20°	1031.4	1036.3	1021.9	996.9	976.8	960.4	959.2	943.2	922.3	884.6	832.9
22.5°	1020.3	1026.4	1013.3	993.2	979.3	970.7	969.0	960.0	948.1	916.1	862.4
25°	1008.8	1013.7	1003.9	986.3	978.9	978.1	979.3	977.6	975.2	948.1	896.9
27.5°	1008.0	1013.3	1002.3	985.4	981.3	989.9	991.2	999.0	1001.0	977.2	930.1
30°	1015.0	1018.7	1008.0	990.4	988.3	1008.0	1008.4	1022.3	1025.6	1001.8	962.9
32.5°	1030.1	1034.2	1023.6	997.7	994.9	1022.3	1023.6	1042.0	1047.4	1028.1	997.3
35°	1065.8	1070.7	1058.4	1018.2	1008.0	1035.9	1039.6	1061.3	1072.0	1056.0	1033.0
37.5°	1154.8	1140.5	1123.6	1059.7	1037.9	1057.2	1063.4	1088.8	1107.6	1089.2	1075.7
40°	1375.8	1330.7	1278.2	1130.2	1090.4	1102.7	1107.6	1133.1	1158.9	1140.9	1134.3
42.5°	1707.6	1654.3	1569.8	1292.6	1169.6	1175.7	1179.4	1201.6	1238.1	1223.7	1225.3
45°	2003.3	1984.0	1897.9	1569.8	1317.6	1287.3	1291.8	1303.3	1357.0	1351.6	1362.3
47.5°	2230.5	2219.4	2153.0	1888.0	1567.8	1423.8	1436.5	1441.9	1519.4	1538.2	1566.9
50°	2405.2	2401.1	2341.6	2171.0	1894.6	1625.2	1629.7	1618.2	1734.3	1781.0	1835.5
52.5°	2570.0	2584.0	2540.1	2433.9	2243.6	1888.9	1888.0	1833.9	1990.6	2061.1	2154.2
55°	2718.9	2723.8	2728.3	2702.1	2594.6	2189.0	2181.3	2092.7	2287.9	2360.9	2461.8
57.5°	2858.7	2860.8	2901.0	2954.7	2960.0	2511.4	2497.0	2390.8	2612.7	2664.7	2726.7
60°	2952.6	2962.1	3046.9	3196.2	3261.4	2844.0	2836.2	2727.9	2943.2	2967.4	2955.9
62.5°	2817.3	2874.7	3088.8	3384.9	3546.0	3212.6	3208.9	3107.2	3290.9	3271.3	3172.8
65°	2280.5	2377.7	2754.1	3512.4	3825.3	3624.3	3629.7	3521.4	3648.1	3584.2	3349.2
67.5°	1595.2	1697.8	2143.1	3522.6	4137.4	4107.8	4138.6	3968.8	4027.5	3883.9	3391.0
70°	1103.1	1156.0	1446.0	3302.0	4380.5	4773.8	4773.0	4518.3	4404.7	4020.5	3177.8
72.5°	741.8	769.3	939.1	2619.6	4201.7	5169.6	5145.8	4938.3	4531.9	3760.1	2596.3
75°	312.9	333.0	434.7	1472.2	3324.2	4729.5	4665.1	4364.1	4026.6	2960.8	1619.8
77.5°	99.2	107.9	171.4	527.0	1831.0	3555.0	3487.0	2725.4	2698.8	1485.3	592.2
80°	47.2	55.0	96.4	211.6	720.5	1933.6	1924.1	1236.4	1161.0	401.1	118.9
82.5°	20.5	24.2	53.3	113.2	322.3	689.8	703.7	420.7	348.2	152.1	36.5
85°	6.6	8.6	24.6	52.1	136.1	171.4	169.4	100.1	140.2	82.8	12.7
87.5°	0.0	0.0	8.2	11.9	13.9	9.8	11.1	8.6	39.0	23.0	4.5
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°	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2
2.5°	661.5	654.9	643.4	632.8	623.3	613.9	608.2	600.0	599.1	599.1	601.2
5°	666.0	655.3	634.8	613.1	588.1	564.3	540.5	517.5	510.1	504.8	507.3
7.5°	679.1	662.3	629.9	588.5	540.9	488.8	452.3	413.0	397.8	389.6	390.8
10°	698.0	675.0	625.8	553.2	476.1	405.2	353.1	310.4	294.0	287.1	287.1
12.5°	718.9	690.6	618.4	509.3	405.2	320.3	269.4	249.7	247.3	247.3	247.3
15°	743.9	709.5	605.7	457.7	330.9	253.4	235.4	236.2	238.7	240.3	240.3
17.5°	769.7	729.5	585.6	399.8	265.3	228.0	228.4	229.6	231.7	233.3	233.3
20°	797.6	749.6	558.9	338.3	227.6	220.6	221.9	223.1	224.7	225.5	226.0
22.5°	827.6	768.5	527.4	278.0	214.9	214.5	214.9	216.1	218.2	218.2	219.0
25°	859.5	789.4	491.3	234.2	208.3	208.3	209.1	210.0	211.6	211.6	212.0
27.5°	892.3	808.7	453.1	211.2	202.6	202.2	202.2	203.4	204.2	204.6	205.0
30°	928.4	831.2	415.0	206.3	198.1	196.0	194.8	195.6	196.4	196.8	197.7
32.5°	965.3	853.0	381.0	208.3	193.6	189.9	185.8	184.9	184.9	186.6	187.8
35°	1006.4	876.8	354.7	215.3	191.1	180.8	174.3	170.6	171.0	173.5	174.7
37.5°	1055.6	905.5	335.5	221.4	189.5	170.6	159.9	155.4	152.6	155.4	154.6
40°	1119.9	947.7	321.5	226.4	187.4	158.7	144.4	137.0	131.6	133.3	132.5
42.5°	1214.7	1014.1	316.2	226.8	182.9	144.8	128.4	118.5	110.7	111.1	109.5
45°	1347.5	1119.1	343.7	221.4	173.1	129.6	111.5	98.4	93.5	92.3	90.6
47.5°	1529.6	1272.1	407.2	210.4	158.7	114.8	95.1	84.1	80.4	78.3	77.1
50°	1773.6	1468.5	477.8	198.1	144.4	100.9	81.6	74.6	72.2	70.1	69.7
52.5°	2056.6	1667.8	535.6	185.8	130.0	88.6	73.0	68.9	66.8	65.2	64.8
55°	2316.2	1805.2	532.3	172.6	116.1	78.7	66.8	64.4	61.9	60.3	59.5
57.5°	2477.7	1824.5	438.8	158.3	100.1	70.9	61.1	59.5	56.6	54.5	54.1
60°	2552.0	1714.6	307.6	139.4	84.1	63.6	55.0	54.1	50.4	47.6	46.7
62.5°	2565.5	1510.3	205.0	116.1	70.1	56.6	48.8	47.6	42.6	37.7	35.3
65°	2510.6	1218.4	141.9	90.6	59.9	49.2	41.8	39.4	34.0	29.1	27.5
67.5°	2336.7	855.4	98.8	65.2	50.9	39.0	33.2	32.4	28.3	24.2	23.0
70°	2018.0	487.6	66.0	48.8	40.2	26.7	26.2	27.1	23.0	19.7	18.0
72.5°	*1547.3*	*223.1*	*41.0*	*35.7*	*27.5*	*18.0*	*20.9*	*21.3*	*17.6*	*14.8*	*13.1*
75°	910.8	95.6	25.8	23.0	13.9	11.9	15.2	15.6	11.9	9.4	8.2
77.5°	310.0	36.1	16.4	13.5	7.0	6.6	9.8	9.8	6.6	3.7	2.9
80°	70.5	13.5	8.2	5.3	3.3	2.9	3.3	2.9	1.6	0.4	0.0
82.5°	20.1	5.3	3.3	2.1	1.2	1.2	0.4	0.0	0.0	0.0	0.0
85°	5.7	2.5	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	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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SS

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(END OF REPORT)