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: P1203474

Luminaire Tested: GWC-SB2C-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:	P1203474
	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-SB2C-827-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 615mA 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:	9859 lumens
Efficiency:	N/A
Efficacy:	97.7 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):	100.9
Input Voltage (V):	120.0
Input Current (Ain):	0.857
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.472
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

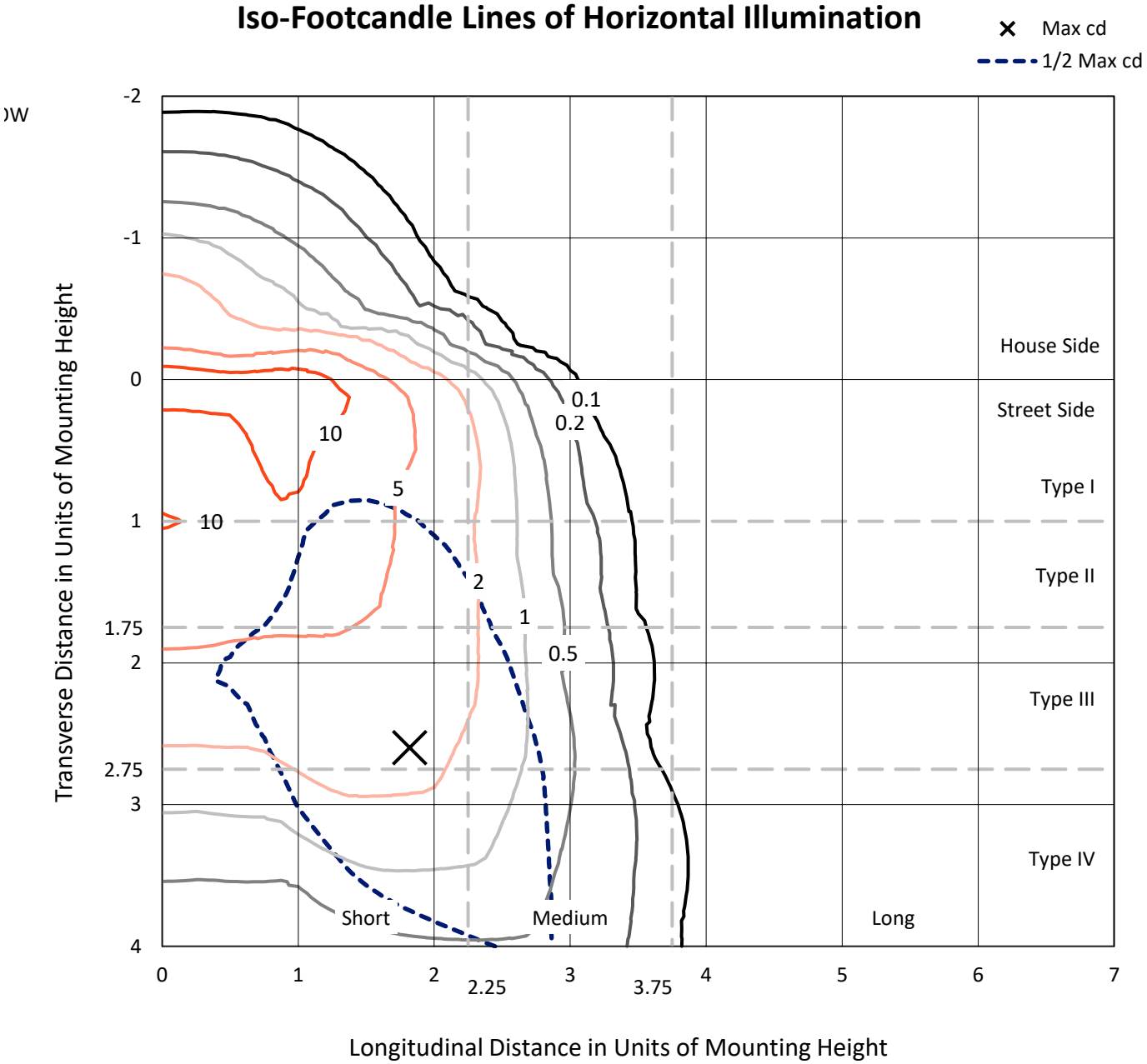


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Iso-Footcandle Lines of Horizontal Illumination



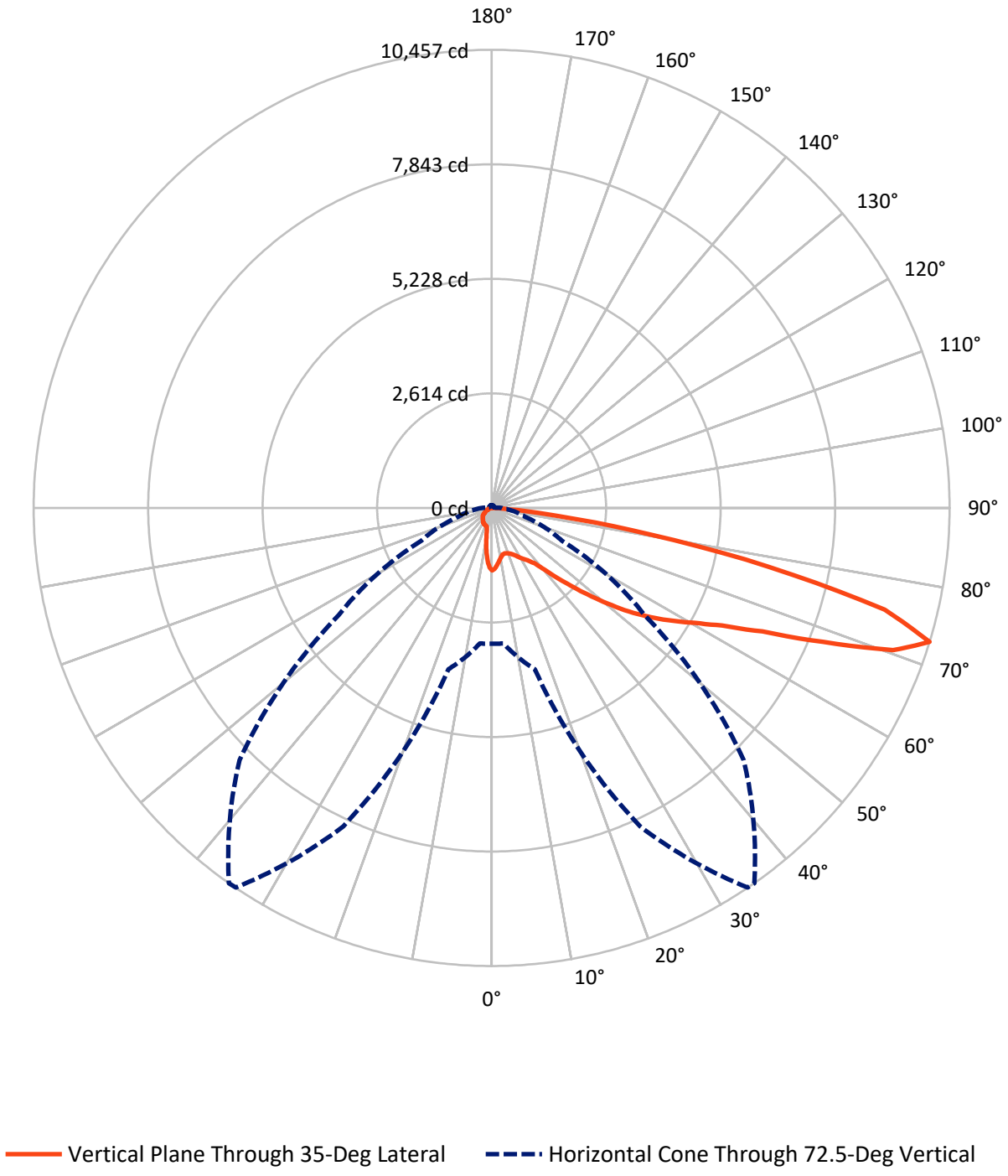
Based on 10 foot mounting height. Maximum calculated value = 14.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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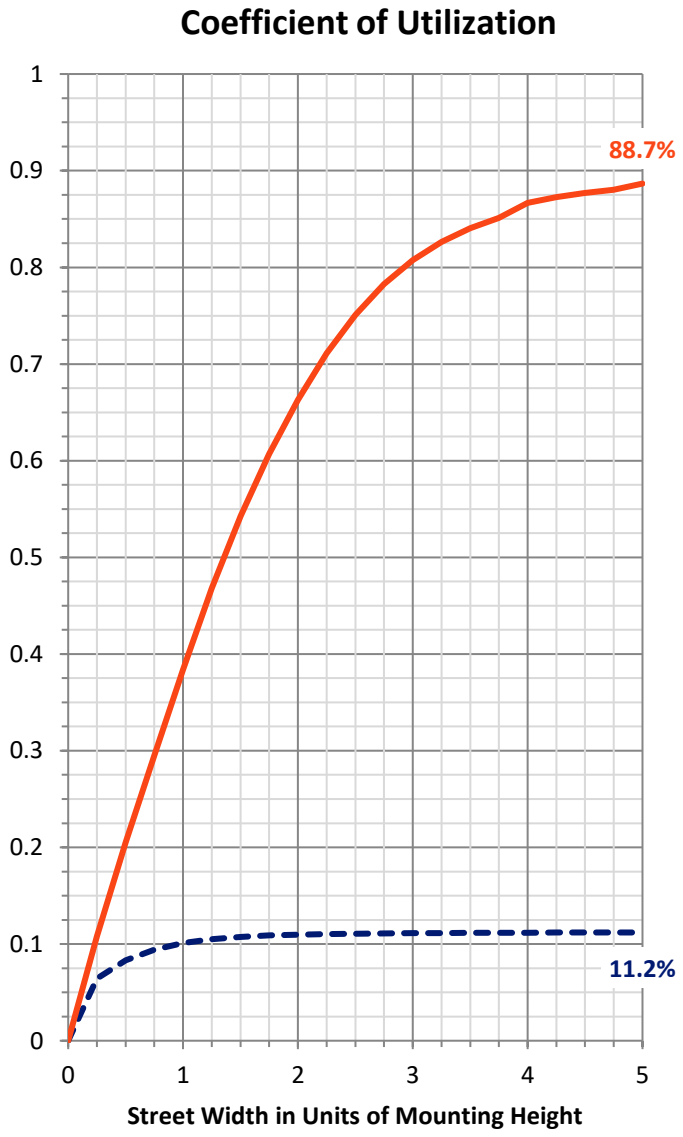
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1109.6	0.0	1109.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	8749.4	0.0	8749.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	9859.0	0.0	9859.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	1.2
10°-20°	274.7	2.8
20°-30°	446.2	4.5
30°-40°	744.5	7.6
40°-50°	1408.6	14.3
50°-60°	2238.3	22.7
60°-70°	2768.9	28.1
70°-80°	1721.2	17.5
80°-90°	139.1	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°	9859.0	100.0
0°-180°	9859.0	100.0



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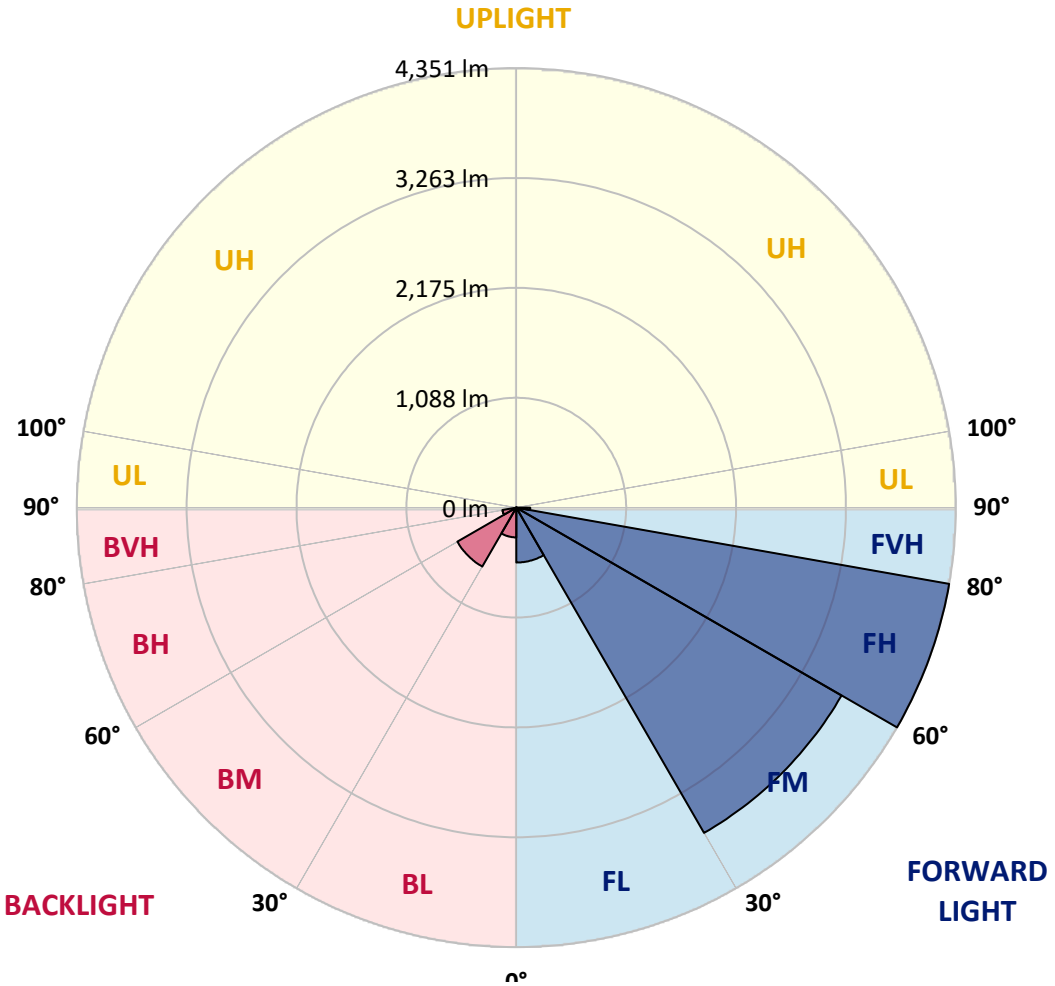
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	543.5	5.5			
FM	(30°-60°)	3717.8	37.7			
FH	(60°-80°)	4350.9	44.1			G2/5000
FVH	(80°-90°)	137.2	1.4			G2/225
BL	(0°-30°)	294.8	3.0	B1/500		
BM	(30°-60°)	673.6	6.8	B1/1000		
BH	(60°-80°)	139.2	1.4	B1/500		G1/500
BVH	(80°-90°)	1.9	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°	1428.9	1428.9	1428.9	1428.9	1428.9	*1428.9*	1428.9	1428.9	1428.9	1428.9	1428.9
2.5°	1365.3	1376.9	1379.1	1382.7	1382.7	*1387.0*	1394.2	1404.3	1421.0	1429.6	1435.4
5°	1258.4	1267.1	1277.9	1286.6	1303.2	*1305.4*	1333.5	1361.0	1399.3	1428.2	1448.4
7.5°	1150.8	1160.9	1175.3	1196.3	1218.0	*1224.5*	1267.1	1313.3	1374.0	1428.2	1462.1
10°	1074.9	1075.6	1088.7	1109.6	1144.3	*1152.2*	1204.2	1270.0	1345.8	1419.5	1475.1
12.5°	1032.3	1037.4	1043.1	1059.0	1092.3	*1097.3*	1152.9	1230.2	1317.7	1414.5	1490.3
15°	1032.3	1035.9	1039.5	1047.5	1074.2	*1078.5*	1127.7	1205.0	1303.2	1416.6	1514.9
17.5°	1043.1	1048.9	1046.0	1055.4	1083.6	*1086.5*	1129.8	1197.7	1302.5	1430.3	1552.4
20°	1069.1	1073.5	1067.7	1073.5	1101.7	*1107.4*	1152.2	1211.5	1314.8	1454.2	1599.4
22.5°	1110.3	1112.5	1098.8	1103.1	1132.0	*1139.2*	1191.2	1250.5	1344.4	1492.5	1662.2
25°	1162.3	1166.7	1145.7	1150.8	1178.2	*1186.9*	1246.9	1309.0	1391.3	1545.2	1742.4
27.5°	1222.3	1224.5	1206.4	1205.7	1241.1	*1253.4*	1314.0	1381.2	1454.2	1611.7	1843.6
30°	1290.9	1297.4	1280.1	1277.2	1322.0	*1332.1*	1392.1	1470.1	1546.7	1711.4	1987.3
32.5°	1345.1	1350.2	1340.0	1347.3	1392.8	*1400.7*	1486.7	1595.8	1691.9	1852.9	2183.1
35°	1423.1	1426.0	1402.9	1415.9	1467.9	*1488.1*	1616.0	1772.0	1874.6	2030.7	2438.8
37.5°	1705.6	1705.6	1607.3	1543.0	1592.9	*1610.9*	1793.0	1993.8	2100.0	2269.0	2761.0
40°	2096.4	2089.9	1946.1	1814.7	1808.2	*1843.6*	2045.1	2273.4	2391.1	2555.1	3123.6
42.5°	2513.2	2503.1	2307.3	2177.3	2155.6	*2167.9*	2336.2	2618.0	2737.9	2904.0	3513.7
45°	2883.1	2880.2	2701.0	2526.2	2487.2	*2526.2*	2699.6	3021.1	3107.0	3281.8	3903.1
47.5°	3193.0	3193.0	3062.2	2948.1	2927.9	*2951.0*	3191.5	3468.2	3460.3	3684.2	4282.4
50°	3549.9	3547.0	3422.7	3373.6	3394.5	*3427.0*	3757.9	3939.2	3825.8	4079.4	4621.2
52.5°	3799.8	3817.1	3774.5	3766.6	3873.5	*3929.8*	4332.9	4400.1	4153.1	4454.3	4874.7
55°	3997.7	4018.0	4067.1	4122.7	4328.6	*4402.3*	4889.9	4837.2	4426.8	4779.4	5020.7
57.5°	4278.0	4249.1	4325.0	4434.8	4767.8	*4856.7*	5429.5	5249.7	4647.2	5043.0	5036.5
60°	4618.3	4622.6	4635.6	4774.3	5206.3	*5320.4*	5961.2	5639.7	4788.8	5204.9	4860.3
62.5°	5027.2	5033.7	5060.4	5273.5	5795.1	*5902.7*	6527.6	5959.0	4853.8	5159.4	4405.2
65°	4999.0	5026.4	5324.8	6053.7	6690.1	*6796.3*	7188.6	6183.0	4755.5	4743.3	3586.7
67.5°	4554.0	4598.8	5097.9	6985.6	8039.5	*8158.0*	7987.5	6227.1	4331.5	3688.6	2339.8
70°	3970.3	3986.2	4586.5	7823.6	9602.1	*9722.0*	8702.7	5742.3	3286.9	2057.4	1048.2
72.5°	*3100.5*	*3104.1*	*3808.5*	*8017.9*	*10450.2*	*10456.7*	*8141.4*	*4262.9*	*1767.7*	*790.3*	*364.1*
75°	2214.9	2193.2	2550.8	6502.3	9193.9	*9267.6*	6103.5	1999.6	675.4	373.5	181.3
77.5°	1187.6	1211.5	1443.3	3856.2	6351.3	*6477.0*	3330.2	576.5	343.9	254.3	119.9
80°	367.0	387.2	591.6	1765.5	3597.5	*3673.4*	1234.6	256.5	239.8	181.3	78.7
82.5°	115.6	119.9	276.0	741.9	1493.2	*1527.9*	357.6	145.2	164.0	119.9	46.2
85°	33.2	34.0	122.8	276.7	369.1	*376.4*	100.4	56.3	93.9	74.4	23.8
87.5°	3.6	11.6	46.2	46.2	32.5	*31.8*	10.8	12.3	26.7	9.4	4.3
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°	1428.9	1428.9	1428.9	1428.9	1428.9	1428.9	1428.9	1428.9	1428.9	1428.9	1428.9
2.5°	1431.8	1432.5	1423.1	1407.2	1389.9	1375.4	1357.4	1342.9	1332.8	1329.9	1335.0
5°	1441.9	1436.8	1410.1	1361.7	1303.9	1254.1	1198.5	1154.4	1125.5	1113.2	1117.5
7.5°	1457.1	1442.6	1384.1	1288.8	1178.2	1080.0	980.3	903.0	853.9	829.3	832.9
10°	1470.1	1441.2	1340.8	1183.3	1014.2	865.4	731.1	637.9	585.9	561.3	562.0
12.5°	1482.4	1440.5	1284.4	1058.3	829.3	647.3	522.3	476.1	461.6	456.6	455.1
15°	1505.5	1442.6	1213.6	915.3	645.1	489.1	443.6	442.8	445.7	444.3	443.6
17.5°	1537.3	1444.8	1133.4	763.6	497.7	431.3	429.1	435.6	439.9	437.8	437.0
20°	1578.4	1453.5	1048.2	613.3	427.7	416.8	421.9	427.7	431.3	427.7	426.9
22.5°	1636.2	1468.6	955.0	492.7	405.3	408.2	412.5	419.0	422.6	417.5	416.8
25°	1707.0	1492.5	863.3	428.4	394.4	398.0	404.5	411.8	416.1	411.0	410.3
27.5°	1798.8	1530.8	778.7	413.9	383.6	385.8	395.2	406.0	411.8	405.3	405.3
30°	1931.7	1593.6	705.8	420.4	377.1	372.0	385.0	400.2	406.7	400.9	400.2
32.5°	2108.0	1682.5	661.0	430.5	374.2	356.1	368.4	387.9	398.8	395.2	395.2
35°	2339.1	1817.5	643.7	442.1	372.0	339.5	348.2	369.1	387.9	391.5	391.5
37.5°	2619.4	2005.4	648.7	447.2	365.5	325.8	330.1	348.2	372.8	384.3	387.2
40°	2938.0	2224.3	677.6	442.1	358.3	314.2	315.0	328.7	350.4	367.7	373.5
42.5°	3266.7	2480.0	731.1	423.3	351.8	304.1	302.0	311.4	325.8	338.1	343.1
45°	3579.5	2742.9	783.8	397.3	343.9	294.0	289.0	292.6	295.5	300.5	303.4
47.5°	3852.5	2927.9	768.6	373.5	333.0	282.5	273.8	272.3	263.7	263.0	262.2
50°	4041.1	2968.3	682.7	349.6	317.1	269.5	255.7	247.1	231.9	224.7	225.4
52.5°	4101.0	2808.7	557.7	325.8	291.1	252.1	232.6	218.9	200.1	193.6	192.9
55°	4021.6	2495.9	445.7	296.9	255.0	229.0	207.3	189.3	174.1	166.2	166.2
57.5°	3827.3	2097.8	352.5	263.0	216.7	203.0	181.3	163.3	150.3	142.3	140.9
60°	3505.1	1665.8	278.8	222.5	184.9	174.8	152.4	140.9	129.3	119.9	117.8
62.5°	3016.0	1189.1	218.9	176.3	154.6	143.0	130.0	121.4	107.6	94.6	92.5
65°	2353.6	727.5	169.0	129.3	124.3	118.5	110.5	102.6	86.0	73.0	70.8
67.5°	1484.5	344.6	120.6	97.5	98.2	95.4	91.7	85.2	73.0	61.4	60.0
70°	653.8	166.9	79.5	74.4	73.0	73.0	75.9	73.7	62.1	51.3	49.1
72.5°	*222.5*	*89.6*	*59.2*	*56.3*	*52.7*	*52.0*	*63.6*	*61.4*	*49.8*	*39.7*	*37.6*
75°	116.3	60.0	43.3	40.5	31.8	38.3	50.6	47.7	35.4	26.0	23.8
77.5°	75.9	42.6	29.6	26.0	18.1	25.3	37.6	33.2	20.9	13.0	11.6
80°	47.7	28.2	17.3	12.3	8.7	13.7	20.2	14.4	7.9	2.9	2.2
82.5°	25.3	14.4	6.5	4.3	3.6	4.3	5.1	3.6	1.4	0.0	0.0
85°	10.1	5.1	2.2	1.4	0.7	0.0	1.4	0.7	0.0	0.0	0.0
87.5°	3.6	0.7	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)