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: P1203102

Luminaire Tested: GWC-SB2B-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:	P1203102
	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-SB2B-827-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA 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:	7541 lumens
Efficiency:	N/A
Efficacy:	102.0 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

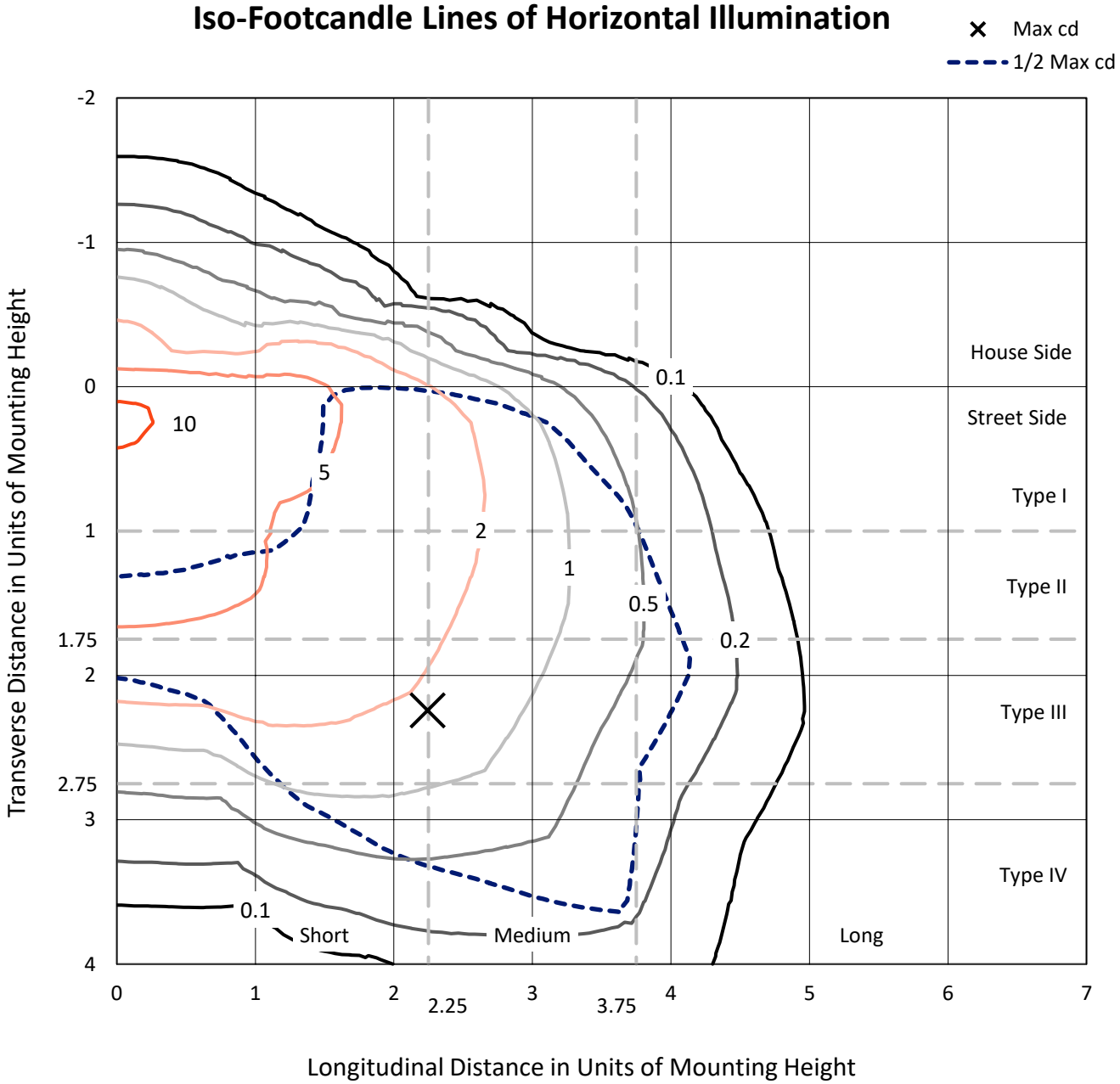


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Iso-Footcandle Lines of Horizontal Illumination



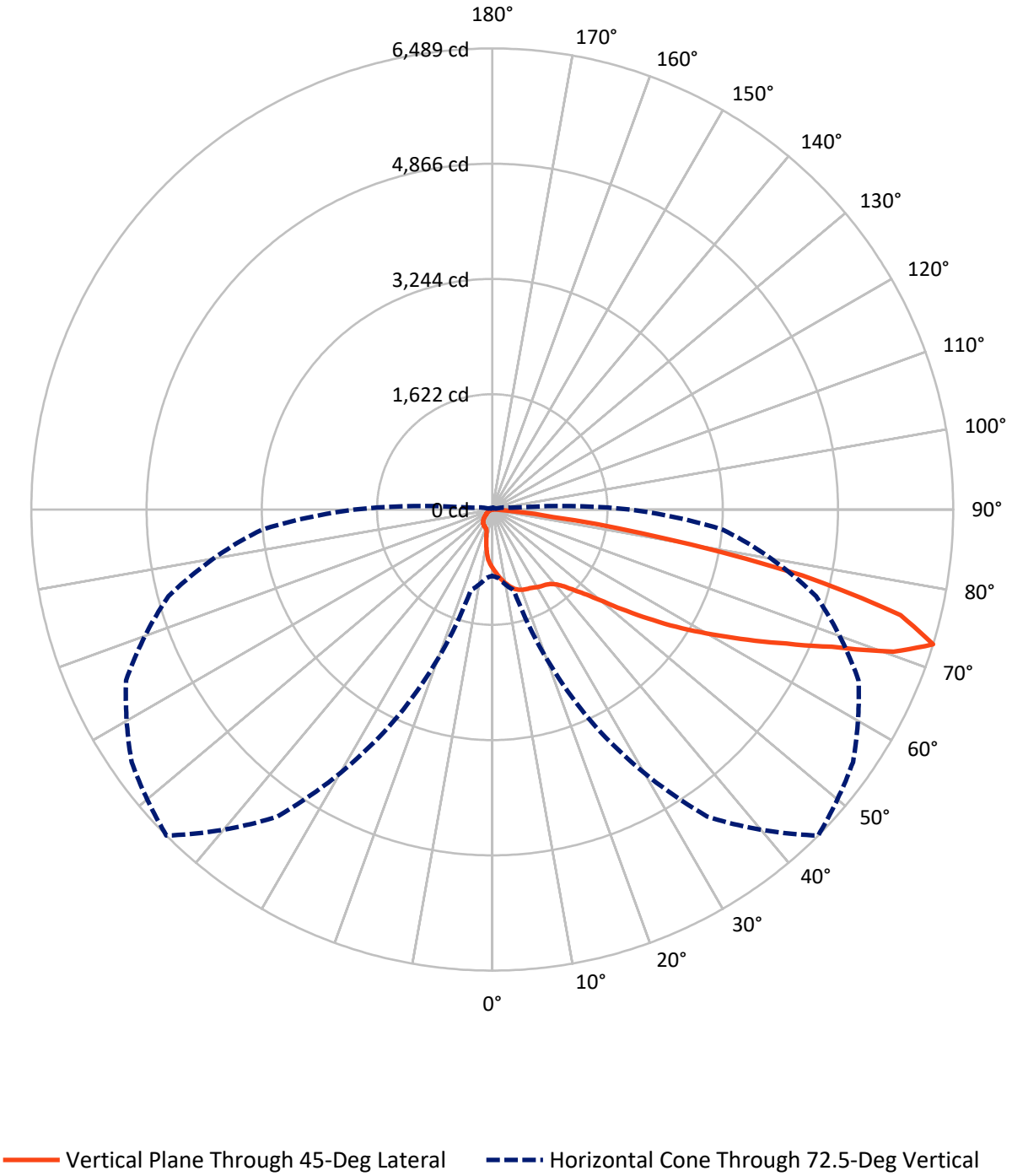
Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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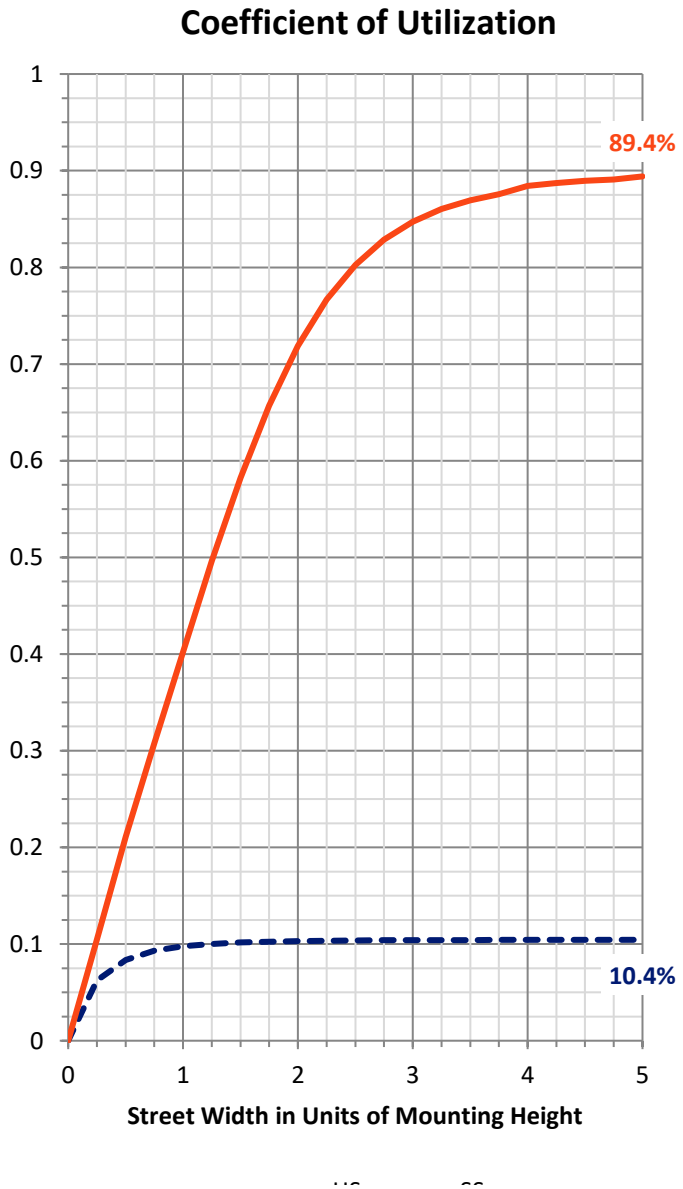
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	792.3	0.0	792.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	6748.7	0.0	6748.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	7541.0	0.0	7541.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	1.0
10°-20°	227.5	3.0
20°-30°	373.6	5.0
30°-40°	529.8	7.0
40°-50°	875.7	11.6
50°-60°	1573.1	20.9
60°-70°	2184.4	29.0
70°-80°	1584.5	21.0
80°-90°	114.6	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°	7541.0	100.0
0°-180°	7541.0	100.0



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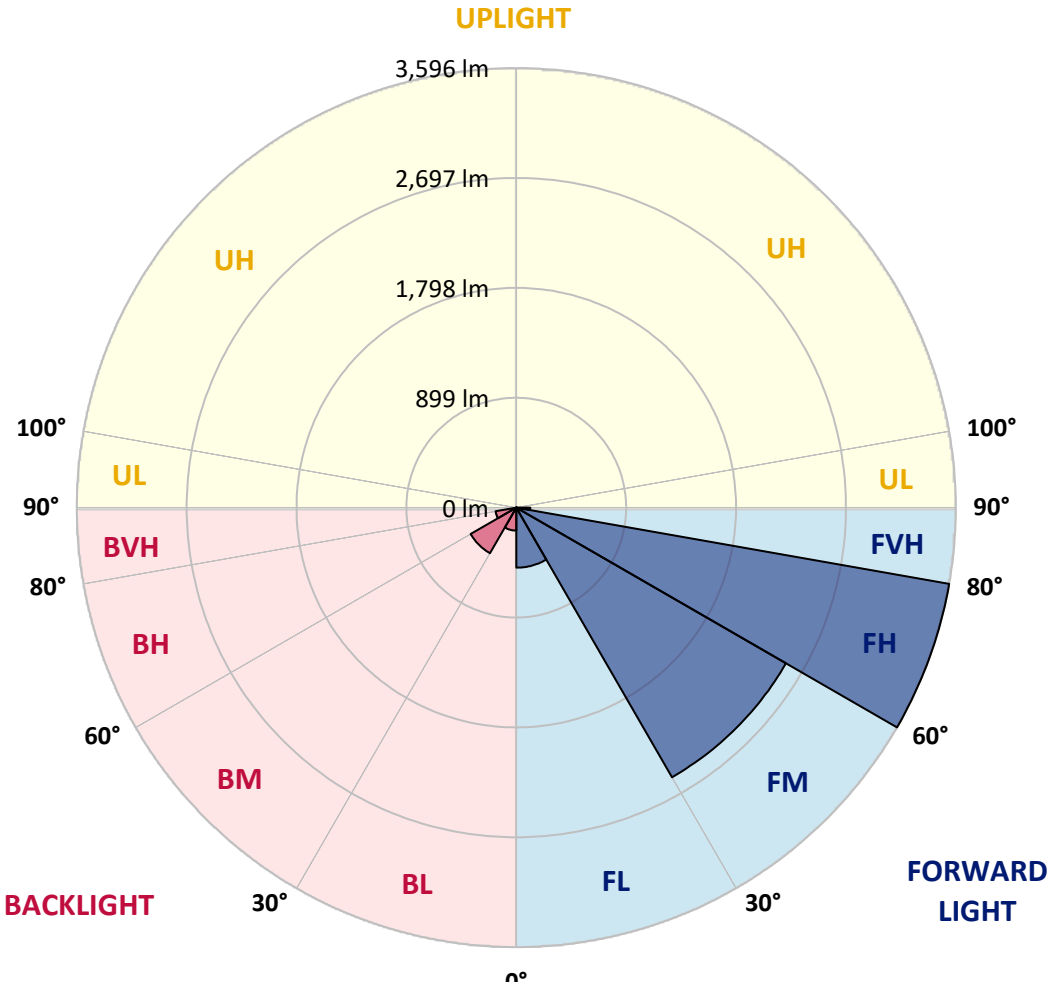
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	491.2	6.5			
FM	(30°-60°)	2547.8	33.8			
FH	(60°-80°)	3596.1	47.7			G2/5000
FVH	(80°-90°)	113.6	1.5			G2/225
BL	(0°-30°)	187.7	2.5	B1/500		
BM	(30°-60°)	430.9	5.7	B1/1000		
BH	(60°-80°)	172.8	2.3	B1/500		G1/500
BVH	(80°-90°)	1.0	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°	826.1	826.1	826.1	826.1	826.1	*826.1*	826.1	826.1	826.1	826.1	826.1
2.5°	902.3	903.9	902.8	896.6	886.4	*880.7*	877.6	867.3	860.6	848.8	836.4
5°	985.2	991.4	987.8	975.4	955.8	*941.9*	937.8	916.7	897.7	875.5	849.8
7.5°	1073.2	1076.3	1069.6	1053.6	1027.4	*1003.7*	1000.1	970.8	940.4	906.4	871.4
10°	1149.4	1153.0	1142.7	1119.5	1089.7	*1060.3*	1055.2	1022.8	986.7	945.0	900.3
12.5°	1213.2	1216.8	1203.4	1175.6	1142.7	*1112.3*	1107.2	1073.2	1033.6	987.2	931.7
15°	1261.6	1268.3	1250.3	1220.4	1184.9	*1154.5*	1152.0	1118.5	1079.9	1028.4	969.2
17.5°	1289.9	1296.6	1279.6	1243.6	1213.2	*1187.5*	1184.4	1156.6	1120.6	1071.1	1005.8
20°	1294.5	1300.7	1282.7	1251.3	1226.1	*1205.5*	1203.9	1183.9	1157.6	1110.3	1045.4
22.5°	1280.6	1288.4	1271.9	1246.7	1229.2	*1218.4*	1216.3	1205.0	1190.0	1149.9	1082.5
25°	1266.2	1272.4	1260.0	1237.9	1228.6	*1227.6*	1229.2	1227.1	1224.0	1190.0	1125.7
27.5°	1265.2	1271.9	1258.0	1236.9	1231.7	*1242.5*	1244.1	1253.9	1256.4	1226.6	1167.4
30°	1273.9	1278.6	1265.2	1243.1	1240.5	*1265.2*	1265.7	1283.2	1287.3	1257.5	1208.6
32.5°	1293.0	1298.1	1284.8	1252.3	1248.7	*1283.2*	1284.8	1307.9	1314.6	1290.4	1251.8
35°	1337.8	1343.9	1328.5	1278.1	1265.2	*1300.2*	1304.8	1332.1	1345.5	1325.4	1296.6
37.5°	1449.5	1431.4	1410.3	1330.0	1302.8	*1327.0*	1334.7	1366.6	1390.3	1367.1	1350.1
40°	1726.9	1670.3	1604.4	1418.6	1368.7	*1384.1*	1390.3	1422.2	1454.6	1432.0	1423.7
42.5°	2143.3	2076.4	1970.4	1622.4	1468.0	*1475.7*	1480.3	1508.1	1554.0	1535.9	1538.0
45°	2514.4	2490.2	2382.1	1970.4	1653.8	*1615.7*	1621.4	1635.8	1703.2	1696.5	1709.9
47.5°	2799.6	2785.7	2702.3	2369.8	1967.8	*1787.1*	1803.1	1809.8	1907.1	1930.7	1966.8
50°	3018.9	3013.7	2939.1	2725.0	2378.0	*2039.9*	2045.5	2031.1	2176.8	2235.4	2303.9
52.5°	3225.8	3243.3	3188.2	3054.9	2816.1	*2370.8*	2369.8	2301.8	2498.5	2587.0	2703.8
55°	3412.6	3418.8	3424.5	3391.5	3256.7	*2747.6*	2737.8	2626.6	2871.6	2963.3	3089.9
57.5°	3588.1	3590.7	3641.2	3708.6	3715.3	*3152.2*	3134.2	3000.8	3279.3	3344.7	3422.4
60°	3706.0	3717.9	3824.4	4011.8	4093.6	*3569.6*	3559.8	3423.9	3694.2	3724.5	3710.1
62.5°	3536.2	3608.2	3876.9	4248.5	4450.8	*4032.4*	4027.7	3900.1	4130.7	4106.0	3982.4
65°	2862.4	2984.4	3456.9	4408.6	4801.3	*4549.1*	4555.8	4419.9	4579.0	4498.7	4203.8
67.5°	2002.3	2131.0	2689.9	4421.5	5193.1	*5156.0*	5194.6	4981.5	5055.1	4875.0	4256.3
70°	1384.6	1451.0	1814.9	4144.6	5498.3	*5991.9*	5990.9	5671.2	5528.7	5046.4	3988.6
72.5°	*931.1*	*965.6*	*1178.7*	*3288.1*	*5273.9*	*6488.6*	*6458.8*	*6198.3*	*5688.2*	*4719.5*	*3258.7*
75°	392.7	418.0	545.6	1847.9	4172.4	*5936.3*	5855.5	5477.7	5054.1	3716.3	2033.2
77.5°	124.6	135.4	215.2	661.4	2298.2	*4462.1*	4376.7	3420.9	3387.4	1864.3	743.3
80°	59.2	69.0	121.0	265.6	904.4	*2426.9*	2415.1	1551.9	1457.2	503.4	149.3
82.5°	25.7	30.4	66.9	142.1	404.6	*865.8*	883.3	528.1	437.0	191.0	45.8
85°	8.2	10.8	30.9	65.4	170.9	*215.2*	212.6	125.6	176.0	104.0	16.0
87.5°	0.0	0.0	10.3	14.9	17.5	*12.4*	13.9	10.8	48.9	28.8	5.7
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°	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1
2.5°	830.3	822.0	807.6	794.2	782.4	770.5	763.3	753.0	752.0	752.0	754.6
5°	835.9	822.5	796.8	769.5	738.1	708.3	678.4	649.6	640.3	633.6	636.7
7.5°	852.4	831.3	790.6	738.6	678.9	613.6	567.7	518.3	499.3	489.0	490.5
10°	876.1	847.2	785.5	694.4	597.6	508.5	443.2	389.6	369.1	360.3	360.3
12.5°	902.3	866.8	776.2	639.3	508.5	402.0	338.2	313.5	310.4	310.4	310.4
15°	933.7	890.5	760.2	574.4	415.4	318.1	295.5	296.5	299.6	301.6	301.6
17.5°	966.1	915.7	735.0	501.9	333.0	286.2	286.7	288.2	290.8	292.9	292.9
20°	1001.1	940.9	701.6	424.6	285.7	276.9	278.5	280.0	282.1	283.1	283.6
22.5°	1038.7	964.6	661.9	349.0	269.7	269.2	269.7	271.3	273.8	273.8	274.9
25°	1078.9	990.8	616.6	293.9	261.5	261.5	262.5	263.5	265.6	265.6	266.1
27.5°	1120.0	1015.0	568.8	265.1	254.3	253.8	253.8	255.3	256.3	256.8	257.4
30°	1165.3	1043.3	520.9	258.9	248.6	246.0	244.5	245.5	246.6	247.1	248.1
32.5°	1211.7	1070.6	478.2	261.5	242.9	238.3	233.2	232.1	232.1	234.2	235.7
35°	1263.1	1100.5	445.2	270.2	239.9	227.0	218.8	214.1	214.6	217.7	219.3
37.5°	1324.9	1136.5	421.0	278.0	237.8	214.1	200.7	195.1	191.5	195.1	194.1
40°	1405.7	1189.5	403.5	284.1	235.2	199.2	181.2	171.9	165.2	167.3	166.3
42.5°	1524.6	1272.9	396.9	284.6	229.6	181.7	161.1	148.8	139.0	139.5	137.4
45°	1691.4	1404.7	431.3	278.0	217.2	162.7	140.0	123.5	117.4	115.8	113.8
47.5°	1919.9	1596.7	511.1	264.1	199.2	144.1	119.4	105.5	100.9	98.3	96.8
50°	2226.2	1843.2	599.7	248.6	181.2	126.6	102.4	93.7	90.6	88.0	87.5
52.5°	2581.3	2093.4	672.2	233.2	163.2	111.2	91.6	86.5	83.9	81.8	81.3
55°	2907.2	2265.8	668.1	216.7	145.7	98.8	83.9	80.8	77.7	75.7	74.6
57.5°	3110.0	2290.0	550.8	198.7	125.6	89.0	76.7	74.6	71.0	68.5	67.9
60°	3203.1	2152.1	386.0	175.0	105.5	79.8	69.0	67.9	63.3	59.7	58.7
62.5°	3220.1	1895.7	257.4	145.7	88.0	71.0	61.3	59.7	53.5	47.4	44.3
65°	3151.1	1529.2	178.1	113.8	75.1	61.8	52.5	49.4	42.7	36.5	34.5
67.5°	2932.9	1073.7	124.0	81.8	63.8	48.9	41.7	40.7	35.5	30.4	28.8
70°	2533.0	612.0	82.9	61.3	50.4	33.5	32.9	34.0	28.8	24.7	22.6
72.5°	*1942.1*	*280.0*	*51.5*	*44.8*	*34.5*	*22.6*	*26.3*	*26.8*	*22.1*	*18.5*	*16.5*
75°	1143.2	119.9	32.4	28.8	17.5	14.9	19.0	19.6	14.9	11.8	10.3
77.5°	389.1	45.3	20.6	17.0	8.8	8.2	12.4	12.4	8.2	4.6	3.6
80°	88.5	17.0	10.3	6.7	4.1	3.6	4.1	3.6	2.1	0.5	0.0
82.5°	25.2	6.7	4.1	2.6	1.5	1.5	0.5	0.0	0.0	0.0	0.0
85°	7.2	3.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	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)