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: P1203096

Luminaire Tested: GWC-SB2B-827-U-T2-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203096
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-827-U-T2-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7150 lumens
Efficiency:	N/A
Efficacy:	96.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
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

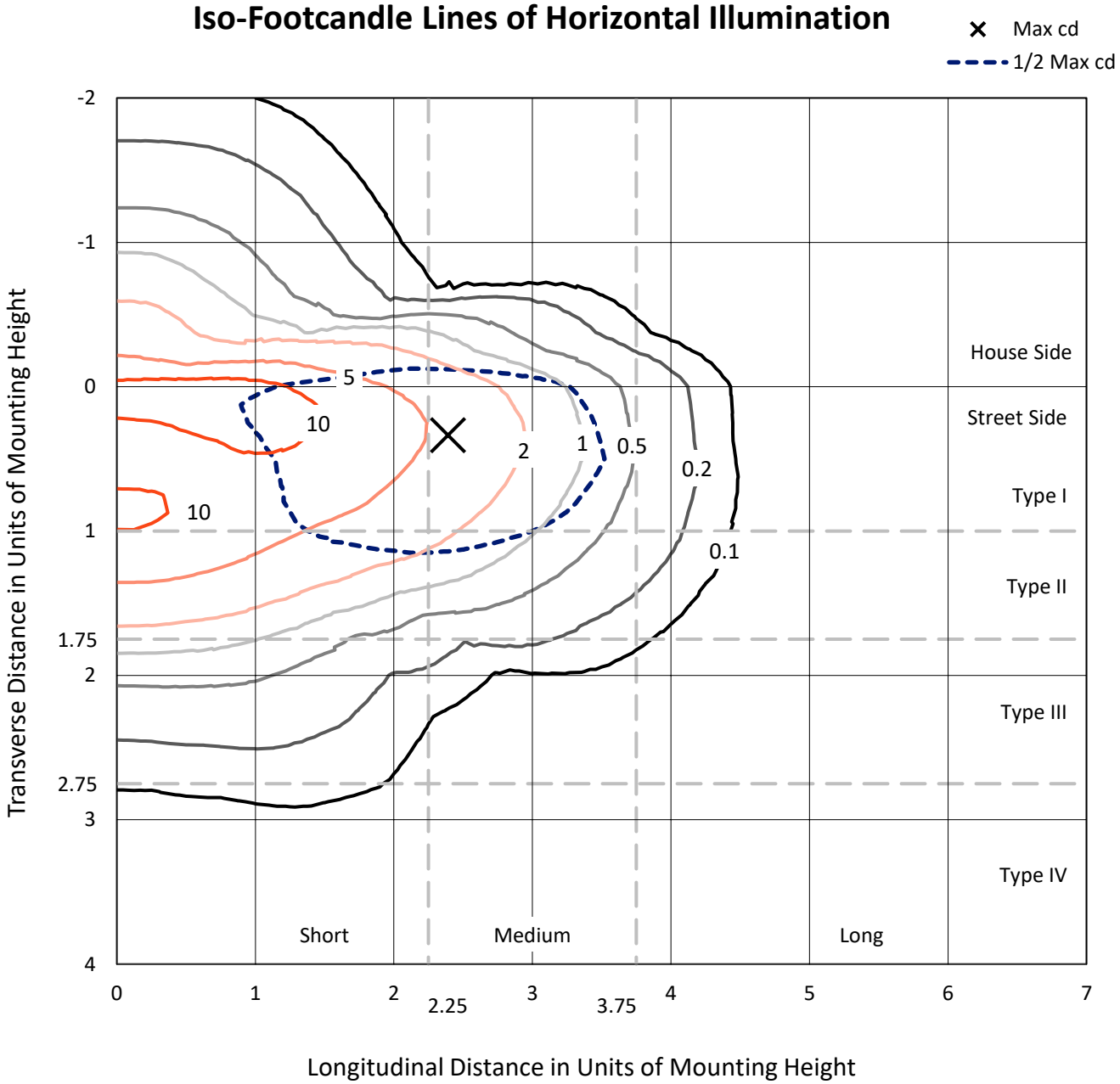


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Iso-Footcandle Lines of Horizontal Illumination



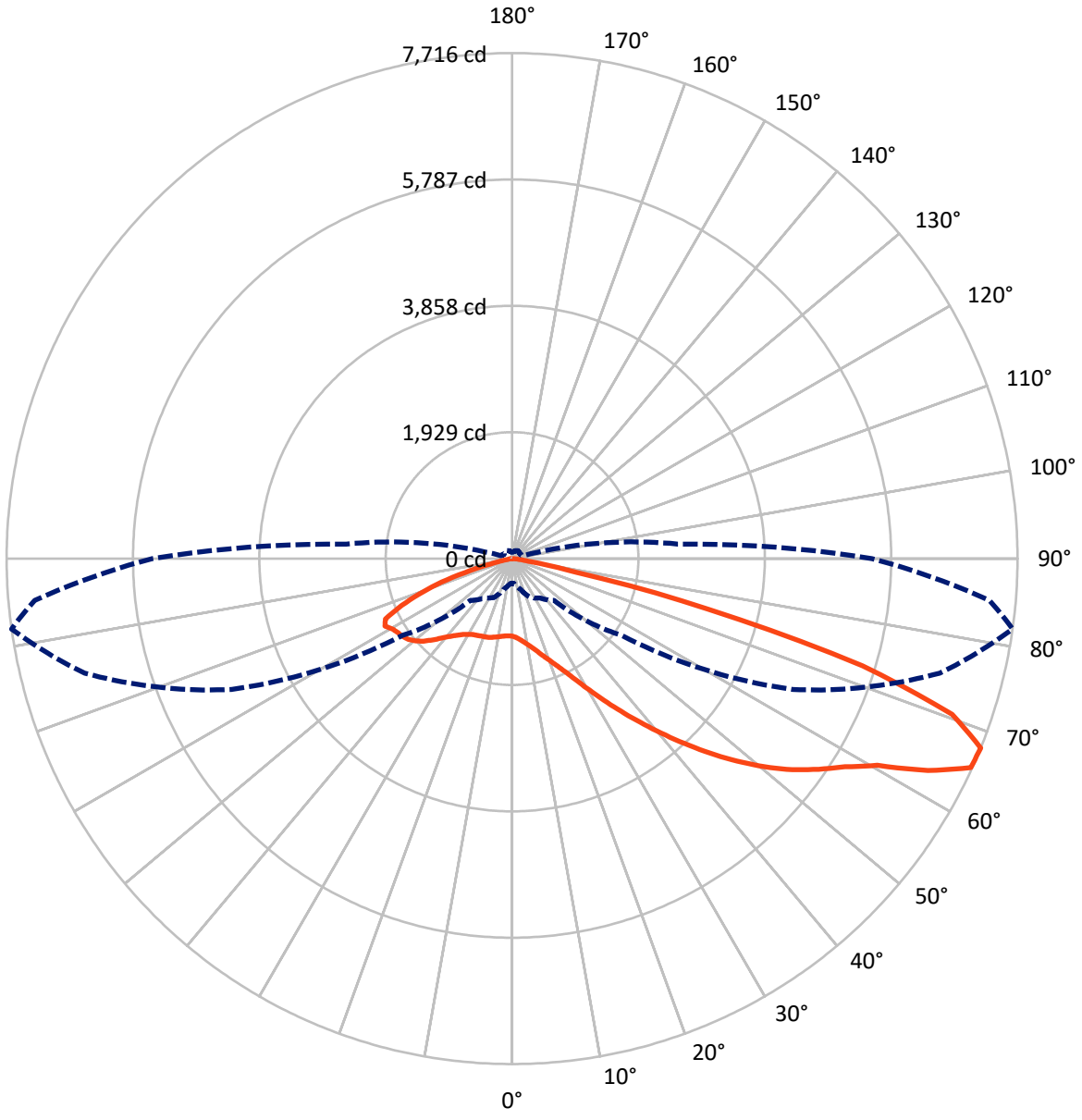
Based on 10 foot mounting height. Maximum calculated value = 15.7 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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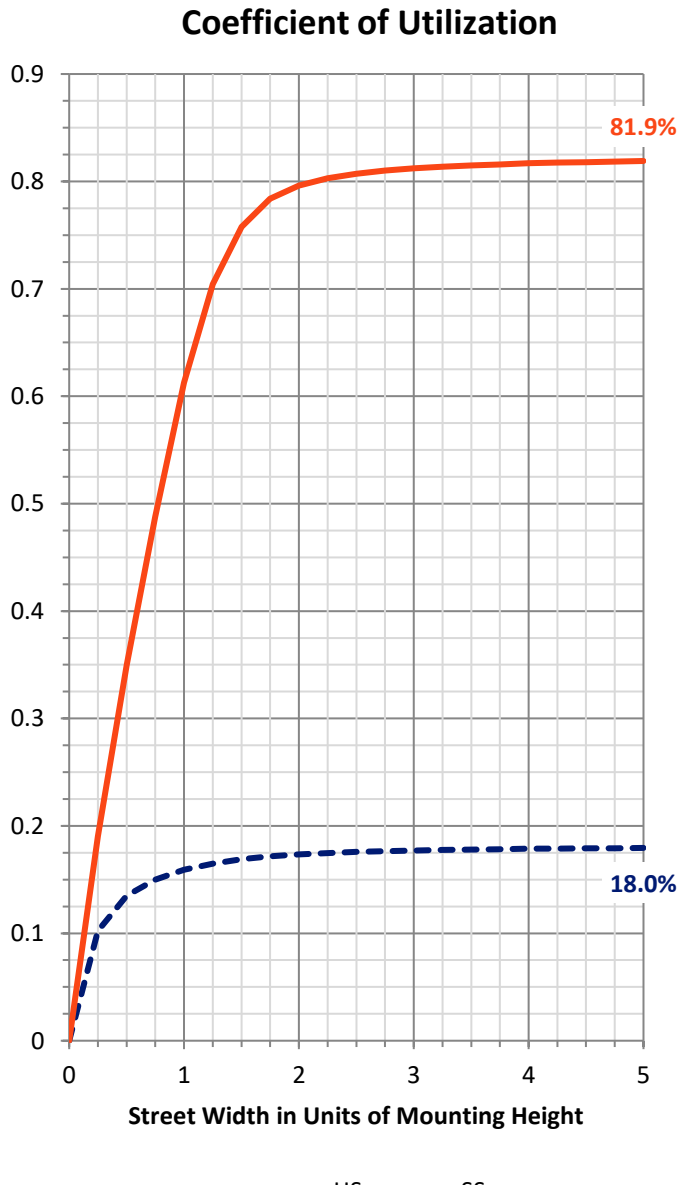
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1295.2	0.0	1295.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5854.8	0.0	5854.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	7150.0	0.0	7150.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	1.5
10°-20°	274.2	3.8
20°-30°	439.2	6.1
30°-40°	776.7	10.9
40°-50°	1360.9	19.0
50°-60°	1815.0	25.4
60°-70°	1689.7	23.6
70°-80°	648.5	9.1
80°-90°	40.3	0.6
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°	7150.0	100.0
0°-180°	7150.0	100.0



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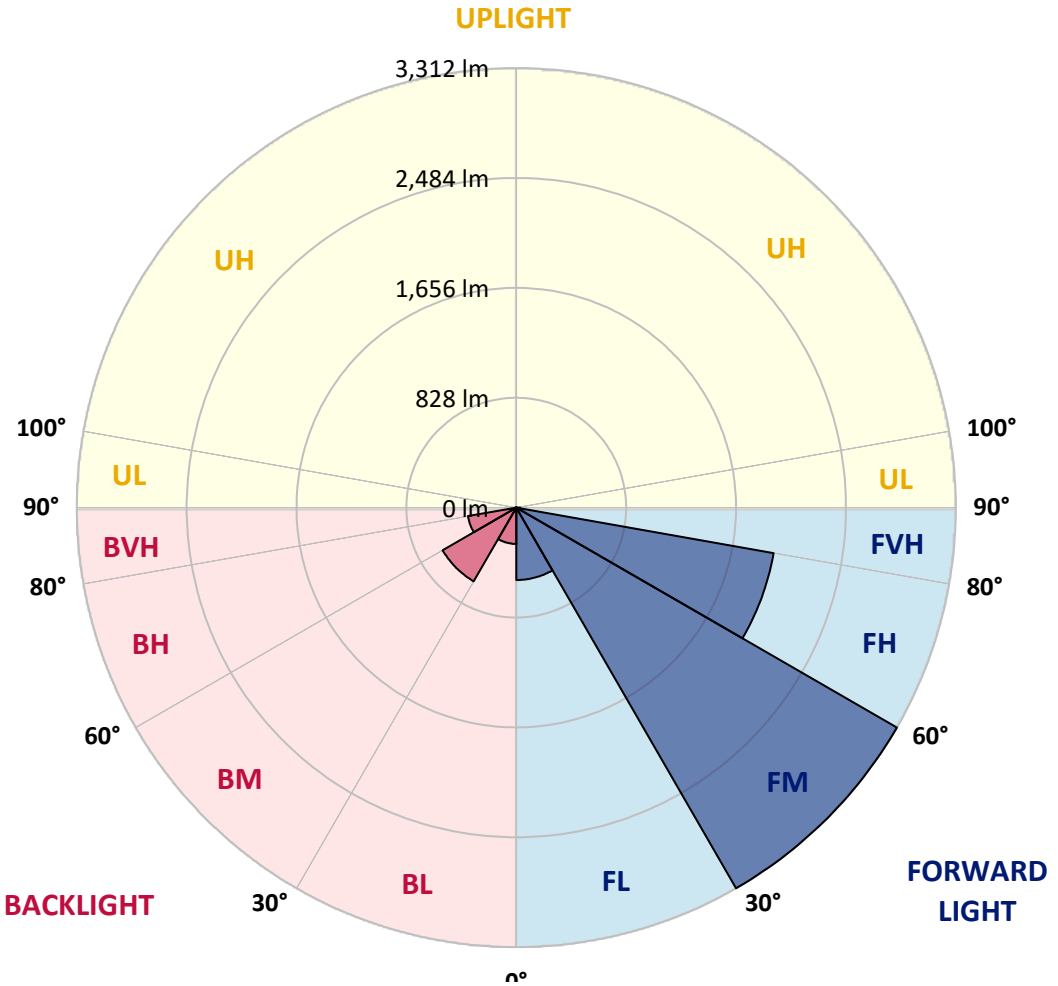
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	545.5	7.6			
FM	(30°-60°)	3311.6	46.3			
FH	(60°-80°)	1968.5	27.5			G2/5000
FVH	(80°-90°)	29.3	0.4			G1/100
BL	(0°-30°)	273.5	3.8	B1/500		
BM	(30°-60°)	641.0	9.0	B1/1000		
BH	(60°-80°)	369.7	5.2	B1/500		G1/500
BVH	(80°-90°)	11.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	*1184.5*	1184.5
2.5°	1251.9	1259.2	1255.0	1253.0	1249.4	1244.2	1240.1	1227.2	1213.9	*1205.1*	1202.0
5°	1277.2	1284.4	1283.9	1285.9	1288.5	1290.0	1289.0	1274.6	1255.6	*1240.6*	1231.9
7.5°	1255.6	1263.8	1270.5	1280.8	1298.8	1317.8	1327.1	1324.0	1304.5	*1283.9*	1273.1
10°	1194.3	1203.0	1219.0	1243.2	1281.3	1322.5	1357.0	1372.9	1360.6	*1337.9*	1323.0
12.5°	1082.1	1090.8	1122.2	1174.7	1238.6	1310.1	1376.0	1418.7	1421.8	*1399.2*	1381.7
15°	955.9	964.7	998.2	1064.1	1161.3	1276.1	1386.3	1467.1	1494.4	*1474.8*	1453.7
17.5°	877.7	885.4	910.6	963.7	1065.1	1208.2	1382.7	1518.6	1580.9	*1565.5*	1540.2
20°	854.0	860.7	872.6	909.6	994.0	1137.7	1359.0	1567.0	1674.1	*1665.3*	1637.0
22.5°	879.2	885.4	889.0	905.5	958.5	1091.3	1329.2	1616.4	1782.2	*1783.2*	1748.7
25°	937.4	943.6	939.5	949.8	972.9	1076.9	1317.8	1674.6	1918.1	*1929.4*	1890.3
27.5°	1033.2	1033.7	1023.9	1023.4	1027.0	1098.5	1329.7	1736.9	2089.5	*2110.6*	2062.2
30°	1225.2	1217.5	1179.9	1139.2	1120.7	1163.4	1362.6	1810.5	2291.8	*2329.4*	2268.6
32.5°	1521.2	1509.9	1440.9	1343.6	1245.8	1267.9	1421.8	1894.4	2512.1	*2580.1*	2506.0
35°	1842.4	1839.3	1767.2	1622.6	1451.7	1416.7	1518.1	2004.6	2752.5	*2860.6*	2772.6
37.5°	2141.0	2139.4	2098.3	1927.9	1719.9	1624.1	1672.5	2148.7	3009.9	*3166.4*	3062.4
40°	2413.8	2418.4	2377.3	2224.9	2015.4	1890.3	1882.6	2326.8	3296.1	*3499.5*	3375.9
42.5°	2649.6	2654.7	2613.0	2500.3	2307.3	2184.7	2140.5	2545.1	3575.7	*3857.3*	3711.1
45°	2809.7	2841.6	2835.4	2745.3	2606.9	2479.7	2450.4	2818.9	3894.3	*4236.7*	4065.2
47.5°	2855.0	2884.3	2930.7	2943.0	2858.6	2733.5	2768.5	3148.9	4216.6	*4616.6*	4421.5
50°	2743.3	2770.6	2866.8	2995.0	3053.7	3015.1	3077.9	3502.6	4546.6	*4995.4*	4771.0
52.5°	2522.9	2550.7	2672.2	2875.1	3114.4	3235.9	3388.3	3851.1	4866.2	*5354.2*	5102.0
55°	2204.3	2233.6	2389.6	2619.2	2998.6	3327.0	3647.2	4199.1	5159.1	*5677.0*	5400.6
57.5°	1770.8	1792.5	1954.6	2275.9	2707.2	3236.4	3838.2	4579.0	5435.1	*5994.1*	5696.6
60°	1154.1	1173.2	1361.6	1719.9	2224.4	2933.7	3876.3	5002.7	5801.6	*6406.5*	6095.5
62.5°	767.5	780.4	892.1	1155.2	1566.5	2352.6	3653.4	5340.9	6339.0	*7124.1*	6779.7
65°	526.6	539.5	651.2	834.5	1012.1	1556.2	3012.5	5296.1	6826.0	*7693.9*	7286.7
67.5°	*375.8*	*386.6*	*481.3*	*654.3*	*732.5*	*904.0*	*2042.1*	*4723.6*	*6756.0*	*7715.6*	*7314.0*
70°	269.2	275.4	353.7	509.6	582.2	543.1	1135.6	3612.7	5915.4	*7124.6*	6757.0
72.5°	188.4	190.5	245.6	388.1	469.0	396.4	540.5	2408.7	4474.0	*5592.1*	5238.4
75°	127.7	130.2	165.2	284.7	376.3	302.7	286.2	1291.6	2626.4	*3095.4*	2774.7
77.5°	78.2	79.3	106.6	194.6	281.6	230.6	184.3	547.2	1016.2	*997.6*	850.4
80°	44.3	44.3	68.0	121.0	192.0	148.8	129.2	232.7	321.7	*282.6*	249.2
82.5°	24.7	25.2	49.4	75.2	127.2	88.0	71.0	107.6	139.0	*123.0*	107.1
85°	10.3	11.3	30.4	35.5	60.7	43.8	28.8	45.3	51.5	*45.8*	33.5
87.5°	1.0	1.5	9.3	6.7	7.2	8.8	4.1	8.8	7.2	*7.2*	5.1
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°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1192.2	1184.5	1165.0	1142.3	1112.4	1098.0	1078.5	1065.1	1053.8	1054.8	1044.5
5°	1215.4	1195.8	1152.1	1097.5	1029.6	981.2	929.7	894.2	865.3	859.2	845.3
7.5°	1247.3	1216.4	1139.7	1041.4	926.6	839.6	761.9	711.9	676.4	665.1	653.8
10°	1288.5	1243.7	1123.8	970.9	805.6	695.0	611.6	572.4	548.2	540.0	533.8
12.5°	1336.4	1275.1	1102.7	884.9	681.1	574.5	521.5	501.9	494.2	491.6	490.1
15°	1396.6	1314.2	1070.7	783.0	575.5	500.9	478.2	475.7	476.7	475.7	475.1
17.5°	1468.2	1357.0	1018.8	678.0	504.5	463.3	455.1	457.1	459.7	459.2	458.2
20°	1546.4	1399.2	952.3	584.8	456.1	436.5	431.9	434.0	436.0	435.0	434.5
22.5°	1635.5	1444.5	878.7	512.2	423.7	411.8	406.7	407.2	407.2	405.1	404.1
25°	1742.0	1494.4	801.5	460.7	399.0	389.7	383.5	381.5	378.4	372.2	371.2
27.5°	1869.2	1547.4	727.4	424.7	379.4	370.6	363.4	358.3	350.6	340.3	339.2
30°	2012.3	1611.8	664.6	402.0	364.0	355.2	347.0	339.2	327.9	315.0	314.0
32.5°	2180.6	1680.8	618.8	387.1	350.1	340.8	331.0	321.7	309.4	296.5	297.0
35°	2381.4	1764.2	592.0	376.8	339.2	326.9	316.1	305.8	296.5	285.2	284.2
37.5°	2599.1	1852.7	583.8	371.7	332.0	313.0	300.6	293.4	292.4	285.7	285.2
40°	2837.5	1957.7	589.9	368.6	324.3	299.6	286.2	284.7	287.2	275.4	275.9
42.5°	3089.7	2082.3	600.2	365.0	313.5	286.2	273.3	273.3	271.3	254.8	254.8
45°	3362.6	2225.9	610.5	356.2	300.6	272.8	263.1	259.5	250.7	234.7	234.2
47.5°	3637.4	2372.1	618.3	340.3	285.2	261.5	252.8	244.5	231.7	217.2	216.7
50°	3898.4	2503.4	610.0	316.6	267.7	250.7	241.4	230.1	216.2	206.4	204.9
52.5°	4131.6	2617.2	575.0	288.8	249.2	239.4	231.1	219.3	208.0	197.7	196.6
55°	4334.5	2709.3	513.2	262.5	232.7	229.6	221.4	206.4	191.0	182.2	181.2
57.5°	4529.1	2779.3	436.0	240.9	217.8	218.8	206.4	193.0	178.6	169.4	168.3
60°	4788.0	2873.0	357.8	220.8	201.8	204.9	191.5	181.7	163.7	151.9	150.3
62.5°	5201.9	3018.7	284.2	196.1	183.3	184.3	178.6	166.8	145.2	131.3	130.2
65°	5530.3	2965.1	223.9	169.4	162.2	163.7	163.7	150.8	127.7	111.7	110.2
67.5°	*5493.2*	*2538.9*	*178.6*	*143.1*	*142.1*	*143.1*	*146.7*	*135.9*	*113.3*	*100.4*	*98.3*
70°	5060.3	2019.5	143.1	118.9	123.5	121.0	131.3	124.1	101.9	89.1	87.5
72.5°	4129.1	1454.8	109.1	98.3	94.7	98.8	118.4	111.7	84.9	70.5	69.0
75°	2412.8	776.3	81.3	77.7	68.5	82.4	105.0	95.2	64.9	52.0	50.4
77.5°	785.6	270.8	59.7	57.1	51.0	66.4	89.6	80.3	53.0	41.2	39.6
80°	210.5	81.9	40.7	37.6	32.9	49.4	71.0	63.8	38.1	26.8	26.3
82.5°	84.4	34.5	23.7	21.1	18.0	34.0	56.1	51.5	28.3	17.0	17.0
85°	27.3	11.3	8.8	6.7	8.2	21.1	33.5	35.0	20.1	8.8	6.7
87.5°	3.6	1.5	1.5	2.1	1.5	3.6	10.3	9.8	5.7	1.0	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)