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: P1203472

Luminaire Tested: GWC-SB2C-827-U-T3-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203472
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2C-827-U-T3-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10212 lumens
Efficiency:	N/A
Efficacy:	101.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - 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

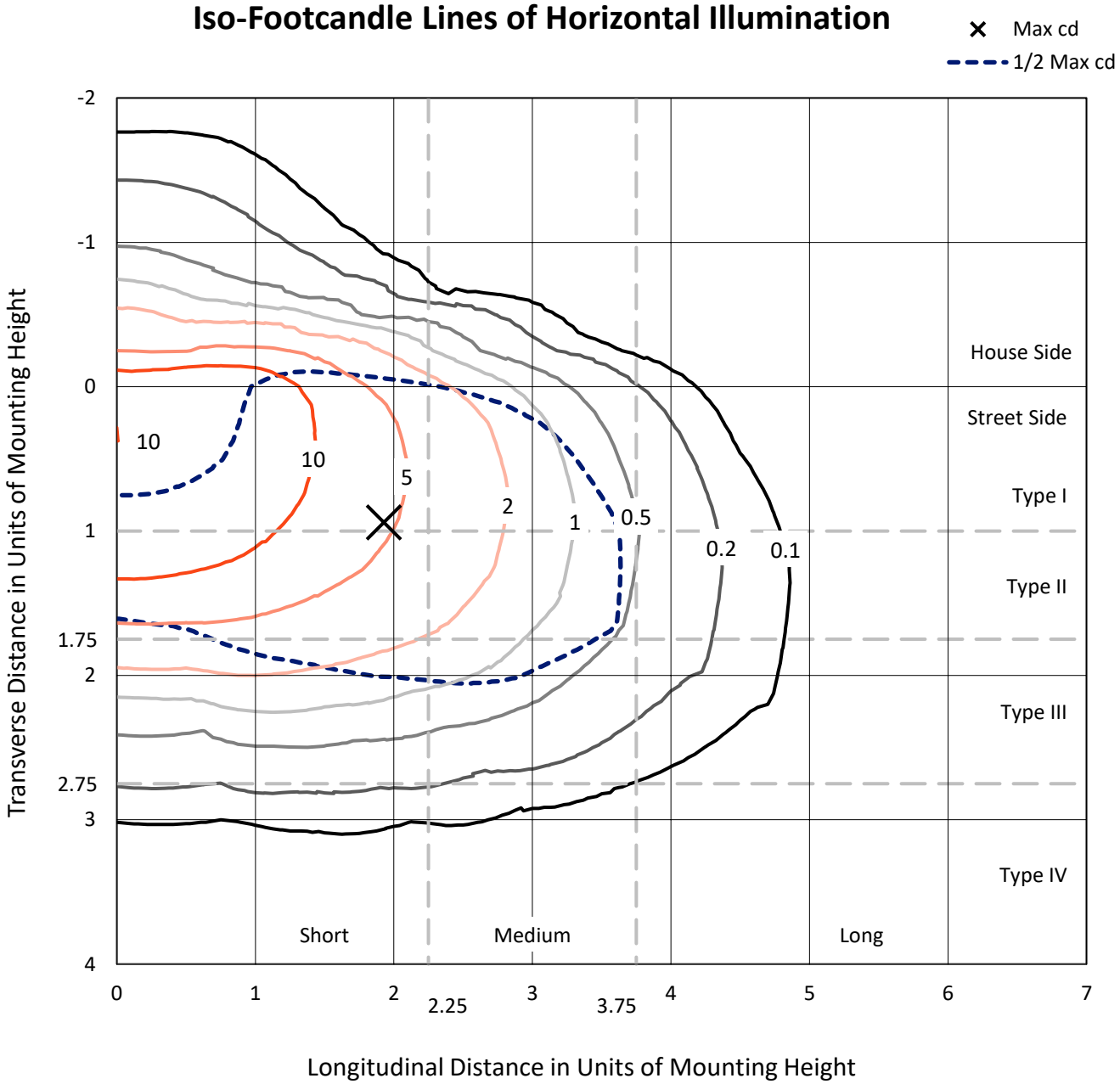


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Iso-Footcandle Lines of Horizontal Illumination



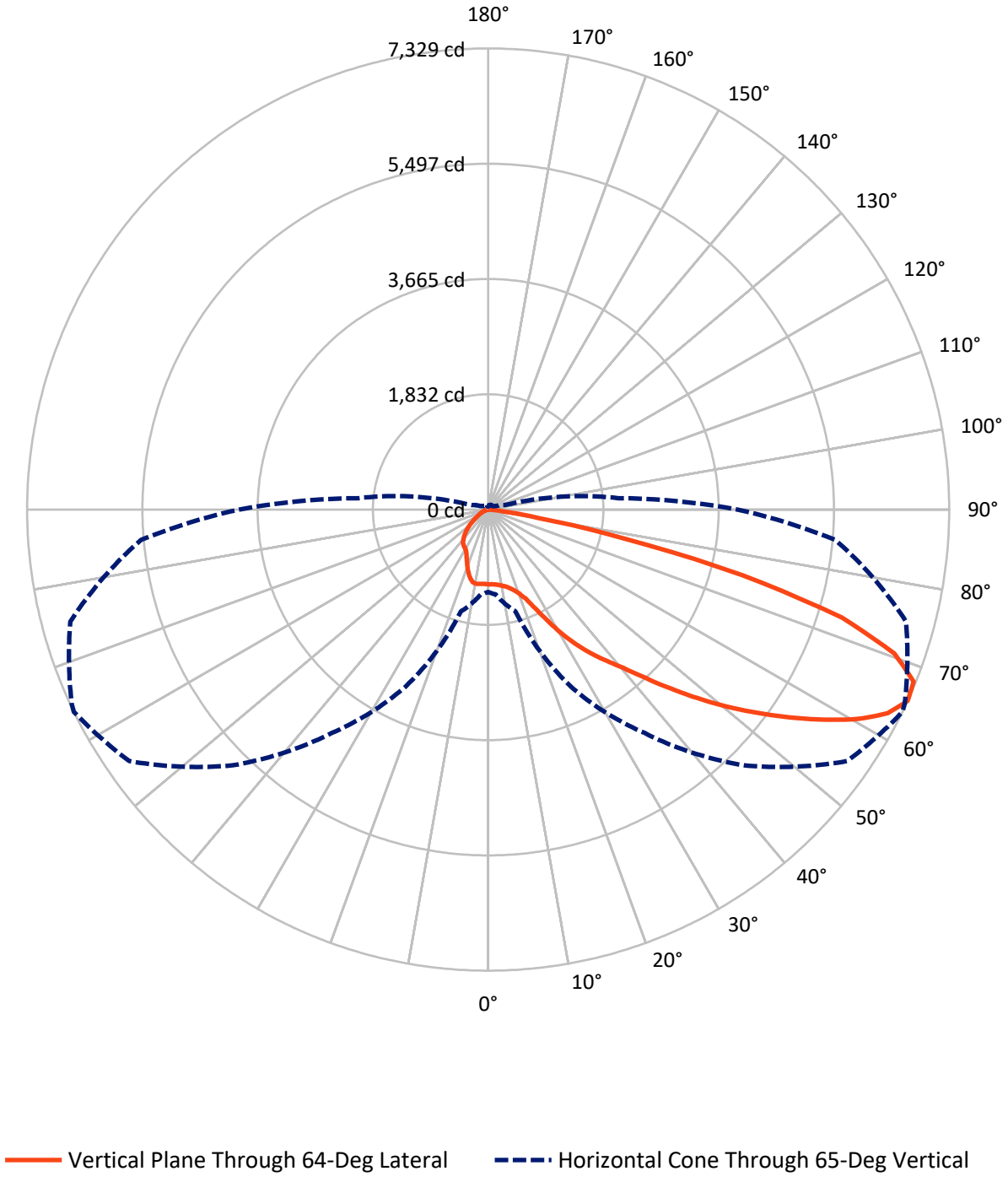
Based on 10 foot mounting height. Maximum calculated value = 18.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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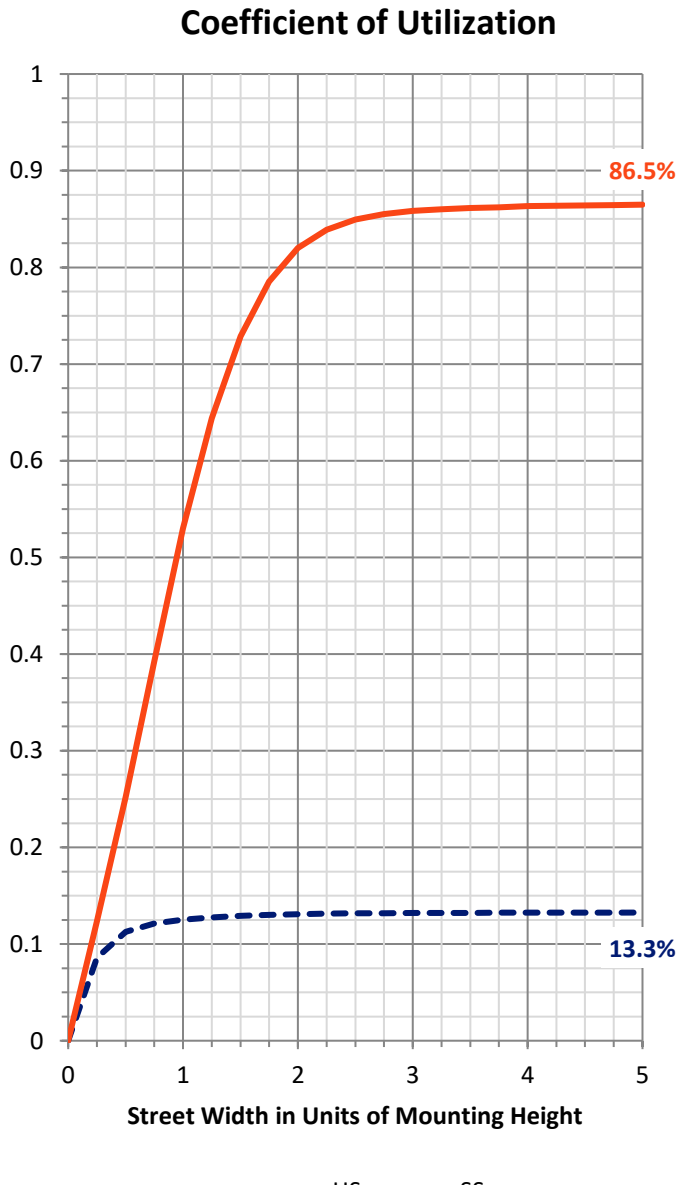
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1365.6	0.0	1365.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	8846.4	0.0	8846.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	10212.0	0.0	10212.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	1.1
10°-20°	297.2	2.9
20°-30°	563.2	5.5
30°-40°	1139.7	11.2
40°-50°	1941.4	19.0
50°-60°	2640.2	25.9
60°-70°	2479.3	24.3
70°-80°	993.3	9.7
80°-90°	48.1	0.5
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°	10212.0	100.0
0°-180°	10212.0	100.0



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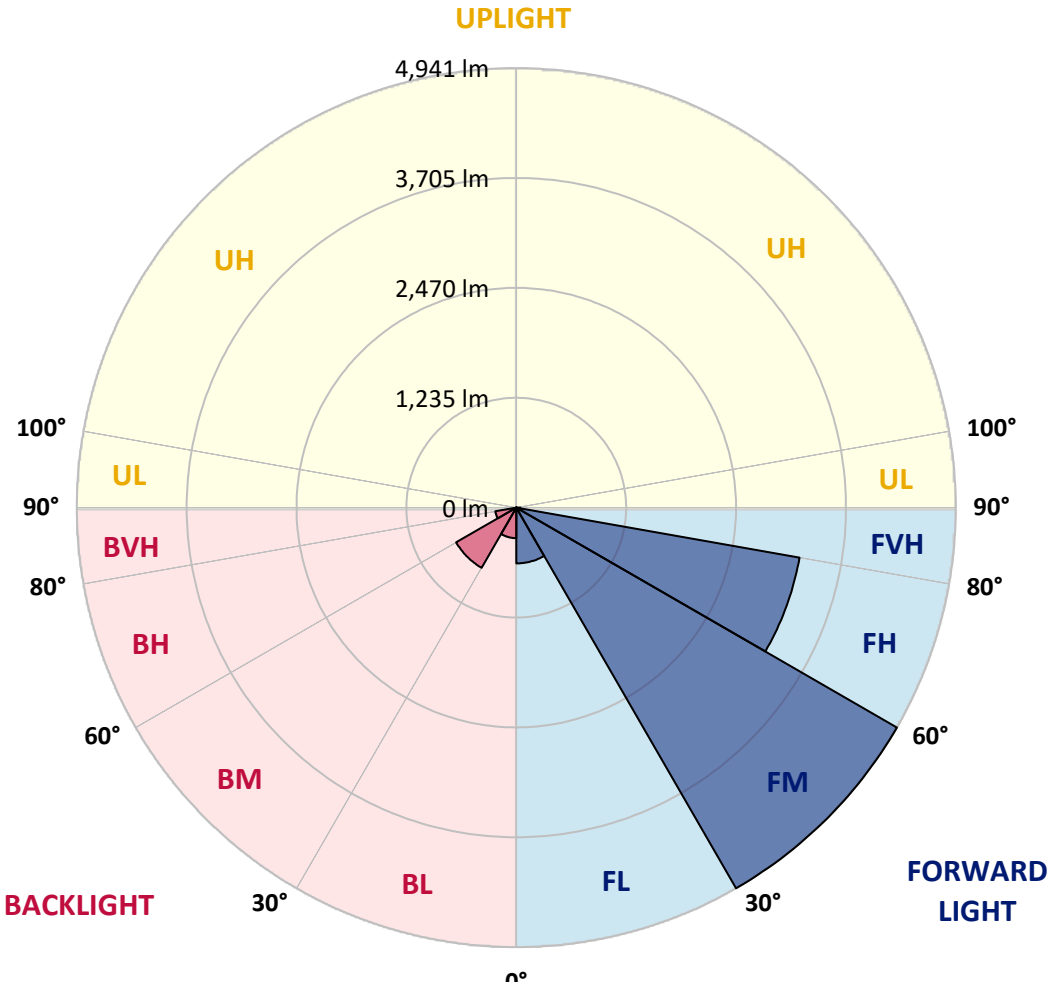
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	627.1	6.1			
FM	(30°-60°)	4940.6	48.4			
FH	(60°-80°)	3232.9	31.7			G2/5000
FVH	(80°-90°)	45.8	0.4			G1/100
BL	(0°-30°)	342.9	3.4	B1/500		
BM	(30°-60°)	780.7	7.6	B1/1000		
BH	(60°-80°)	239.7	2.3	B1/500		G1/500
BVH	(80°-90°)	2.4	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	*1187.8*	1187.8	1187.8	1187.8
2.5°	1183.7	1191.9	1189.8	1187.8	1187.1	1188.4	1189.1	*1188.4*	1188.4	1188.4	1189.1
5°	1161.1	1167.9	1167.9	1172.7	1179.5	1187.8	1193.9	*1195.3*	1196.7	1198.7	1198.0
7.5°	1117.9	1123.4	1127.5	1143.3	1160.4	1182.3	1200.8	*1210.4*	1211.7	1219.3	1222.0
10°	1088.5	1095.3	1102.2	1118.6	1143.3	1176.1	1207.6	*1230.9*	1234.3	1252.1	1260.3
12.5°	1087.1	1094.0	1102.9	1120.7	1149.4	1184.3	1222.7	*1256.2*	1262.4	1288.4	1305.5
15°	1101.5	1109.7	1117.9	1139.8	1170.6	1213.1	1254.2	*1295.9*	1302.1	1339.1	1357.5
17.5°	1130.9	1141.9	1148.1	1170.0	1202.8	1250.1	1304.1	*1352.1*	1357.5	1400.7	1423.9
20°	1189.1	1202.1	1204.2	1222.0	1254.2	1304.8	1369.2	*1428.7*	1435.6	1484.9	1510.9
22.5°	1309.6	1328.1	1311.7	1320.6	1349.3	1400.0	1469.8	*1545.1*	1554.7	1610.8	1634.1
25°	1521.8	1547.9	1505.4	1490.3	1502.7	1555.4	1643.0	*1738.2*	1749.1	1794.3	1805.9
27.5°	1938.8	1905.2	1840.9	1777.9	1740.9	1771.0	1869.6	*1987.4*	2001.1	2044.9	2031.2
30°	2396.7	2367.3	2280.4	2140.7	2053.1	2048.3	2139.3	*2270.8*	2286.5	2328.3	2286.5
32.5°	2855.4	2827.4	2732.9	2561.0	2409.1	2333.8	2396.7	*2542.6*	2550.8	2577.5	2515.9
35°	3306.6	3277.8	3183.3	3007.4	2820.5	2649.4	2637.0	*2801.3*	2804.1	2832.1	2740.4
37.5°	3760.4	3736.5	3635.9	3463.3	3279.2	3043.0	2928.7	*3046.4*	3049.8	3077.2	2982.1
40°	4084.3	4094.5	4025.4	3891.9	3733.7	3475.7	3255.9	*3307.2*	3286.7	3332.6	3275.8
42.5°	4362.2	4382.7	4322.5	4255.4	4163.7	3936.4	3661.2	*3652.3*	3619.4	3644.1	3585.2
45°	4602.5	4619.6	4565.5	4549.8	4547.7	4388.2	4104.1	*4050.7*	4004.8	4000.1	3929.5
47.5°	4690.8	4723.7	4746.9	4799.7	4902.3	4835.3	4562.1	*4479.3*	4427.9	4390.3	4278.7
50°	4724.3	4759.3	4838.7	4992.0	5235.1	5263.8	5018.0	*4924.9*	4861.9	4793.5	4629.2
52.5°	4679.2	4741.5	4848.3	5106.3	5458.9	5607.5	5455.5	*5374.0*	5302.1	5190.6	4946.8
55°	4412.9	4475.2	4693.5	5105.0	5570.5	5848.4	5869.0	*5832.7*	5751.9	5576.0	5203.6
57.5°	3851.5	3943.9	4289.6	4931.1	5568.4	6055.9	6274.3	*6300.3*	6209.9	5958.0	5405.5
60°	3073.8	3199.1	3620.8	4545.7	5396.6	6168.1	6629.6	*6759.6*	6663.8	6334.5	5569.1
62.5°	2144.8	2289.9	2689.1	3941.9	5003.7	6087.4	6889.0	*7129.3*	7056.7	6671.3	5632.1
65°	*1308.2*	*1354.8*	*1676.6*	*3101.9*	*4335.5*	*5749.2*	*6969.1*	*7329.2*	*7305.2*	*6877.4*	*5539.0*
67.5°	871.5	910.5	1002.9	2127.0	3365.4	5073.5	6777.4	*7294.3*	7301.1	6843.8	5198.1
70°	525.1	558.6	618.9	1237.1	2181.1	4015.8	6183.9	*6849.3*	6889.0	6395.4	4551.8
72.5°	216.3	238.9	293.7	560.7	1129.6	2548.7	4924.2	*5880.6*	5973.0	5377.4	3493.5
75°	122.5	134.2	172.5	281.4	490.2	1187.8	2982.8	*4174.6*	4310.9	3706.4	2101.7
77.5°	81.5	86.9	111.6	182.1	275.9	405.3	1274.7	*2174.9*	2435.1	2024.3	909.8
80°	54.8	59.6	76.7	121.9	179.4	173.9	406.0	*805.8*	991.3	695.5	221.8
82.5°	37.0	37.7	54.8	80.1	113.6	84.2	119.8	*250.6*	314.9	201.3	84.2
85°	21.2	20.5	40.4	46.6	50.7	34.9	36.3	*75.3*	98.6	84.9	47.9
87.5°	2.7	4.1	15.7	12.3	6.8	7.5	7.5	*13.0*	19.2	20.5	10.3
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°	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8	1187.8
2.5°	1189.1	1188.4	1186.4	1184.3	1179.5	1176.8	1178.2	1176.8	1176.1	1176.8	1179.5
5°	1198.0	1196.0	1190.5	1183.7	1174.1	1162.4	1154.9	1143.9	1133.7	1127.5	1128.9
7.5°	1222.0	1219.9	1212.4	1193.2	1162.4	1113.8	1069.3	1030.3	1000.9	983.8	984.4
10°	1260.3	1256.9	1245.3	1202.8	1122.0	1015.9	927.6	854.4	806.4	783.9	781.8
12.5°	1305.5	1301.4	1280.9	1193.9	1045.4	879.7	757.8	676.4	631.9	612.0	610.0
15°	1358.9	1353.4	1313.0	1151.5	933.8	729.1	617.5	556.6	527.8	510.0	510.7
17.5°	1425.3	1415.7	1337.0	1087.8	812.6	614.1	531.2	485.4	460.0	442.9	441.6
20°	1511.6	1495.8	1356.2	1011.8	701.0	541.5	473.1	434.7	415.5	400.5	397.7
22.5°	1632.1	1609.5	1379.4	929.7	622.3	491.5	429.9	401.9	386.1	369.0	366.3
25°	1781.3	1754.6	1408.2	853.7	568.2	448.4	398.4	375.2	356.7	336.8	334.8
27.5°	1990.1	1942.2	1442.4	791.4	521.7	411.4	369.7	343.7	322.4	306.0	302.6
30°	2222.9	2144.1	1472.6	753.7	479.2	377.2	332.0	306.0	286.2	274.5	272.5
32.5°	2443.3	2336.5	1492.4	737.3	440.9	338.2	291.0	262.9	247.8	244.4	246.5
35°	2651.4	2510.4	1490.3	721.6	406.6	299.2	250.6	221.8	210.2	212.2	212.2
37.5°	2891.0	2695.9	1476.0	696.9	378.6	263.6	215.6	190.3	180.0	180.7	183.5
40°	3169.6	2910.2	1467.1	650.4	347.8	230.7	186.9	166.4	158.8	156.1	155.4
42.5°	3466.8	3117.6	1468.4	597.6	309.4	201.3	167.0	149.9	143.1	141.0	140.3
45°	3765.2	3315.5	1470.5	542.9	269.0	178.7	152.7	138.3	134.2	131.4	131.4
47.5°	4045.9	3483.9	1432.2	484.0	229.3	161.6	141.0	131.4	128.0	124.6	124.6
50°	4307.4	3596.1	1339.7	415.5	197.8	147.9	132.1	125.3	121.9	118.4	118.4
52.5°	4510.8	3613.9	1187.1	345.0	175.9	137.6	126.6	120.5	116.4	113.0	112.3
55°	4601.1	3502.4	970.1	279.3	158.8	128.7	121.2	115.0	110.2	106.8	106.1
57.5°	4577.8	3267.5	756.5	224.5	142.4	119.8	114.3	110.2	104.7	99.3	98.6
60°	4463.5	2953.3	570.3	186.9	127.3	110.2	106.8	103.4	95.8	87.6	86.3
62.5°	4265.7	2558.3	406.6	154.7	110.9	99.3	97.9	95.2	84.2	69.1	67.8
65°	*3963.1*	*2078.4*	*273.8*	*128.7*	*95.2*	*86.9*	*87.6*	*82.8*	*68.5*	*51.3*	*50.0*
67.5°	3520.8	1519.8	175.3	105.4	79.4	72.6	73.3	70.5	58.2	43.8	41.8
70°	2957.4	1006.3	114.3	80.1	63.7	56.1	60.2	60.9	49.3	35.6	34.2
72.5°	2168.1	594.2	80.1	59.6	46.6	39.0	49.3	50.7	39.7	26.7	25.3
75°	1235.7	282.1	60.2	43.1	28.8	27.4	38.3	38.3	27.4	17.8	16.4
77.5°	518.9	117.7	42.4	28.1	16.4	15.7	26.0	24.0	13.7	8.2	8.2
80°	149.9	52.7	22.6	13.7	6.8	6.2	10.3	7.5	3.4	1.4	1.4
82.5°	58.9	23.3	8.9	5.5	2.7	2.7	1.4	0.0	0.0	0.0	0.0
85°	34.9	9.6	4.1	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.9	2.1	1.4	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)