

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: HALO

Report Number: P851828

Luminaire Tested: RLFRC6FSMBB-3000K

Issue Date: 7/3/2024

Test Information

Test Method: LM-79-2019
Report Number: P851828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (UTC2404001E-D1)
Test Lab: INNOVATION CENTER
Issue Date: 7/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: RLFRC6FSMBB-3000K
Description: 6" Fire Rated Canless, 3000K CCT 1100lms,BLK
Light Source: -
Ballast/Driver:

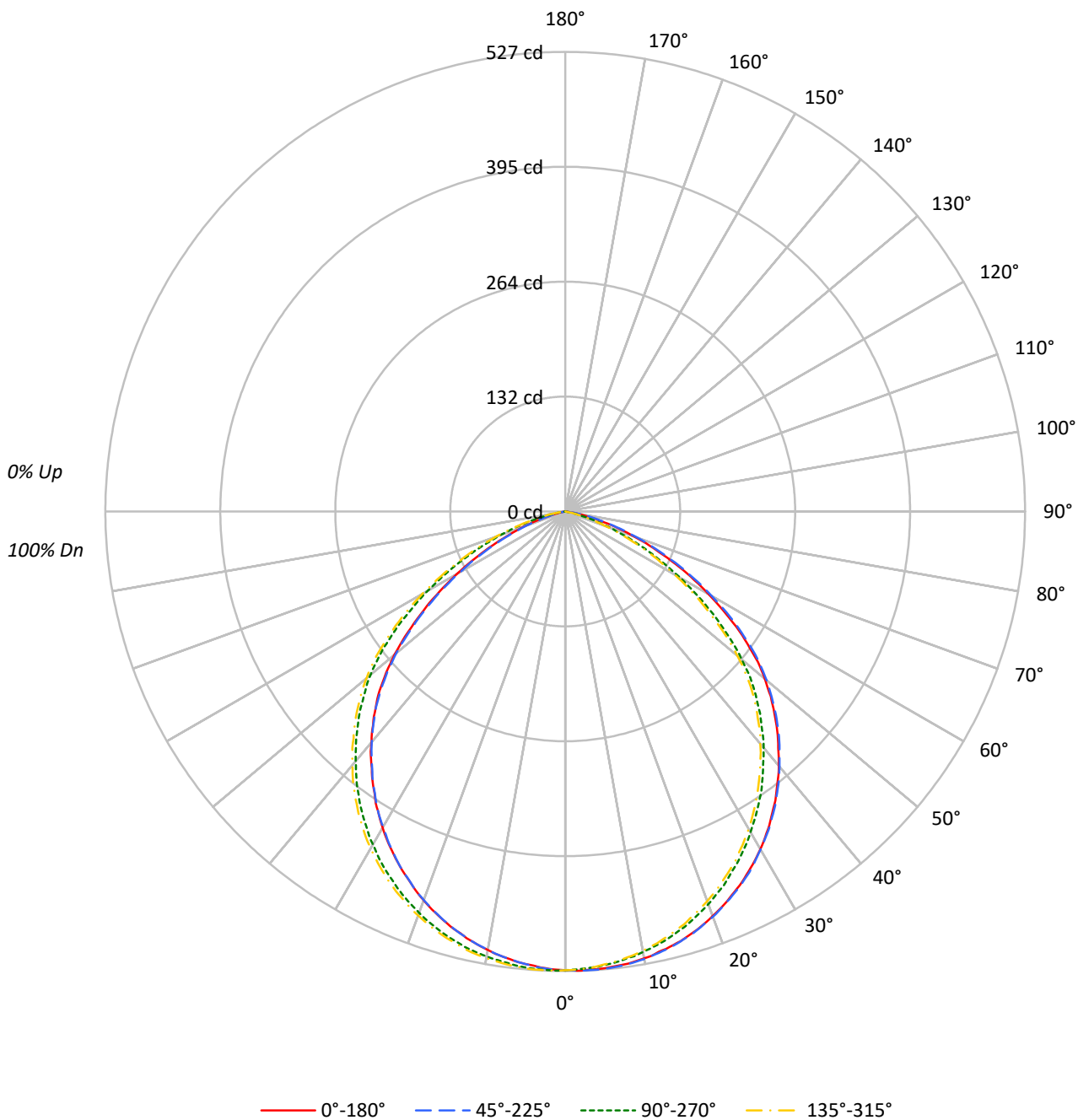
Summary

Lumens per Lamp: 1250.2 (1 lamp)
Luminaire Lumens: 1250.0 lumens
Efficiency: 100.0%
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 13.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P851828
CATALOG NUMBER: RLFR66FSMBB-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P851828
 CATALOG NUMBER: RLFRC6FSMBB-3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	56
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	45	40	38
8	63	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	36	34
9	59	46	39	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31
10	56	43	35	30	54	42	35	30	41	35	30	41	34	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	66210	66210	66210	66210
5°	66412	65957	65818	66298
10°	66503	65544	65237	66196
15°	66474	64975	64519	66031
20°	66146	64218	63548	65584
25°	65681	63056	62306	64931
30°	65016	61746	60830	64042
35°	63881	60209	58980	62990
40°	62576	58124	56744	61377
45°	60797	55494	54194	59534
50°	58501	51629	49926	57033
55°	54370	45835	43466	52264
60°	47898	38359	36043	45784
65°	40142	29868	27337	37700
70°	31056	20422	18177	28885
75°	21054	10308	8266	18769
80°	9784	0	0	6595
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 61741 cd/sqm



TEST NUMBER: P851828
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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	49.7	4.0	4.0
10°-20°	141.8	11.3	11.3
20°-30°	212.3	17.0	17.0
30°-40°	250.2	20.0	20.0
40°-50°	248.7	19.9	19.9
50°-60°	198.9	15.9	15.9
60°-70°	113.2	9.1	9.1
70°-80°	34.0	2.7	2.7
80°-90°	1.2	0.1	0.1
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	403.8	32.3	32.3
0°-40°	654.0	52.3	52.3
0°-60°	1101.6	88.1	88.1
0°-90°	1250.0	100.0	100.0
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	1250.0	100.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	526	526	526	526	526	
5°	526	522	521	525	526	50
15°	510	499	495	507	510	144
25°	473	454	449	468	473	218
35°	416	392	384	410	416	260
45°	342	312	304	334	342	263
55°	248	209	198	238	248	220
65°	135	100	92	127	135	134
75°	43	21	17	39	43	48
85°	0	0	0	0	0	3
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P851828
 CATALOG NUMBER: RLFRC6FSMBB-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	526.1	526.1	526.1	526.1	526.1	526.1	526.1	526.1	526.1	526.1	526.1
1°	526.5	526.9	526.5	526.8	525.6	525.9	525.8	525.4	525.6	525.4	525.8
2°	526.9	527.2	526.7	526.4	524.9	525.5	525.0	525.1	524.9	524.5	525.1
3°	526.3	526.9	526.9	526.8	524.2	524.5	524.3	524.1	523.7	523.6	524.0
4°	526.0	527.1	526.7	525.8	523.4	523.9	523.0	523.2	522.1	522.1	522.7
5°	525.7	526.8	526.4	525.7	522.1	522.4	521.4	521.3	521.0	520.5	521.0
6°	524.9	526.0	525.7	524.8	520.9	520.6	519.9	519.8	519.5	518.7	519.4
7°	524.2	525.5	524.9	523.9	519.2	519.1	518.3	518.6	517.2	517.1	517.2
8°	523.4	524.4	523.9	522.8	517.1	517.6	516.2	516.4	515.5	514.9	515.6
9°	521.9	523.1	522.5	521.6	515.9	515.3	514.2	514.5	513.4	512.3	513.3
10°	520.4	521.9	521.2	520.2	512.9	513.0	511.4	512.2	510.5	509.6	510.5
11°	519.0	520.5	519.1	518.3	510.6	510.6	508.7	509.5	508.0	506.9	507.7
12°	516.2	518.6	517.4	516.7	507.9	507.8	506.3	507.0	504.9	504.0	505.1
13°	514.7	516.7	515.3	514.2	505.5	505.4	502.9	503.6	502.2	500.2	501.9
14°	512.4	514.4	513.2	511.6	502.1	502.1	499.6	500.6	498.3	497.4	498.6
15°	510.2	512.2	510.5	509.4	498.7	498.7	496.2	497.3	495.2	493.9	495.1
16°	507.2	508.9	507.7	506.0	495.7	495.5	492.7	493.5	491.4	489.8	491.0
17°	504.3	506.1	504.9	503.1	491.8	491.8	488.4	490.1	487.4	485.6	487.0
18°	501.1	503.0	501.4	500.5	487.7	487.5	484.3	485.9	483.3	481.4	483.0
19°	497.6	499.9	497.8	497.1	483.6	484.1	480.0	481.3	478.9	477.2	478.6
20°	493.9	496.2	494.7	493.1	479.5	479.4	475.6	477.4	474.5	472.5	474.0
21°	490.0	492.8	490.8	489.2	474.6	475.0	471.0	472.1	469.7	467.3	469.6
22°	486.3	488.5	486.2	485.1	469.9	470.0	466.2	468.1	464.6	462.5	464.5
23°	481.6	484.6	482.6	481.3	465.6	465.9	460.9	462.9	459.1	457.0	458.7
24°	477.3	480.5	478.3	476.6	459.7	459.7	455.7	457.9	454.0	451.2	454.1
25°	473.0	476.1	474.0	472.3	454.1	454.5	450.5	452.2	448.7	446.4	448.3
26°	468.3	471.1	469.2	467.4	449.2	449.2	445.3	446.5	442.9	440.7	442.7
27°	463.0	466.2	464.5	462.1	443.1	443.8	438.9	441.1	437.0	434.5	436.5
28°	458.2	461.0	459.2	457.0	437.4	437.7	433.2	435.0	431.2	428.0	430.6
29°	452.7	455.6	453.1	451.6	431.3	432.2	426.6	428.9	425.2	421.6	424.0
30°	447.4	450.4	447.7	445.9	424.9	425.5	420.4	422.1	418.6	415.2	417.6
31°	441.4	445.1	441.9	439.9	418.3	419.1	413.8	415.5	411.9	408.3	411.4
32°	435.3	439.1	436.3	434.1	411.9	412.7	406.9	409.4	405.1	401.7	405.1
33°	429.4	432.9	430.6	428.0	405.3	405.5	400.4	402.8	398.7	394.8	397.5
34°	422.6	426.8	423.7	421.2	398.3	398.9	392.9	395.4	390.5	386.7	390.1
35°	415.8	420.3	417.6	414.9	391.9	392.3	385.8	388.4	383.9	380.2	383.1
36°	409.7	413.3	410.7	408.4	384.0	384.7	378.3	380.7	376.7	372.0	375.9
37°	402.1	406.7	403.5	401.9	376.3	377.4	370.8	373.2	368.4	365.1	367.7
38°	395.0	399.8	396.8	394.2	368.3	369.0	363.2	365.8	361.6	357.7	360.5
39°	388.5	392.8	389.6	387.5	361.2	362.3	356.2	358.8	354.3	349.7	352.8
40°	380.9	385.5	382.1	380.0	353.8	354.8	347.9	350.9	345.4	341.7	344.8
41°	373.0	378.0	374.5	372.0	346.2	346.2	340.7	342.6	337.6	333.4	336.9
42°	365.0	370.7	367.2	364.9	337.1	338.6	332.2	334.2	329.2	325.6	328.4
43°	357.6	362.8	359.7	357.2	329.0	330.4	323.5	326.7	321.3	317.8	320.0
44°	349.7	354.5	352.0	350.0	321.3	321.6	315.5	318.7	312.7	308.7	312.2



TEST NUMBER: P851828
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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	341.6	346.9	343.7	340.9	311.8	312.8	307.0	310.5	304.5	299.3	302.6
46°	333.2	338.3	335.6	333.0	303.9	304.7	298.3	301.3	296.0	290.2	293.5
47°	325.0	330.0	327.0	325.1	294.9	296.0	288.8	292.7	285.2	280.7	283.5
48°	316.9	321.7	318.7	316.1	285.6	286.0	278.4	282.8	276.1	269.6	274.1
49°	307.1	313.1	309.9	307.9	274.9	276.5	268.8	272.2	265.2	260.1	263.0
50°	298.8	304.6	301.6	299.2	263.7	265.6	257.6	262.1	255.0	248.2	252.3
51°	289.5	295.1	291.7	290.5	254.5	254.9	247.3	251.2	244.1	237.5	241.6
52°	280.2	286.0	282.7	279.8	242.7	244.2	236.1	240.5	232.9	225.8	229.4
53°	268.4	276.0	272.4	269.6	230.9	233.0	224.4	228.8	220.7	214.7	218.0
54°	258.1	264.4	261.8	259.3	220.1	220.7	212.0	217.3	209.9	202.7	207.5
55°	247.8	253.6	250.4	248.8	208.9	210.0	201.3	205.0	198.1	191.9	195.3
56°	236.5	242.8	239.7	238.1	197.0	198.0	189.5	194.4	188.2	181.0	184.1
57°	224.4	232.2	228.6	225.9	185.8	187.2	179.3	183.8	175.9	169.8	173.0
58°	213.1	219.9	217.9	215.3	173.9	176.2	167.3	171.7	165.0	157.6	161.4
59°	201.1	209.0	205.3	202.8	163.1	164.9	156.5	161.2	153.4	147.1	151.1
60°	190.3	198.1	194.1	191.8	152.4	153.7	145.5	149.7	143.2	136.0	139.2
61°	179.1	185.4	183.0	181.1	141.1	142.8	134.7	138.1	131.9	125.5	129.1
62°	167.7	174.3	172.3	170.1	129.9	132.0	124.1	127.1	122.2	115.4	119.1
63°	156.4	163.6	160.1	159.3	119.6	121.0	114.6	118.5	111.9	105.6	107.5
64°	145.8	152.7	149.9	148.0	110.0	110.9	104.6	107.8	101.4	95.4	98.1
65°	134.8	141.0	138.8	137.2	100.3	101.6	95.1	98.2	91.8	86.1	88.2
66°	123.6	131.0	127.5	126.0	90.2	91.4	84.3	88.4	82.7	77.0	79.0
67°	113.3	120.8	117.9	115.9	81.1	81.8	75.9	78.9	73.2	68.2	70.5
68°	104.1	110.1	107.7	105.9	71.6	72.9	66.9	70.7	64.7	59.8	61.5
69°	94.9	100.2	98.4	96.6	62.9	64.2	59.6	61.7	57.3	51.8	54.0
70°	84.4	90.7	88.0	86.2	55.5	56.8	50.9	53.8	49.4	43.7	46.8
71°	75.2	81.9	79.1	77.2	48.4	48.8	43.5	46.3	42.0	37.2	38.9
72°	67.4	72.6	70.7	68.6	40.4	41.8	35.6	39.1	34.6	29.8	32.2
73°	59.5	63.8	61.3	60.4	33.3	35.0	30.1	32.3	28.1	24.3	26.1
74°	50.5	55.6	53.5	52.7	27.3	27.3	23.7	26.0	22.0	19.0	19.9
75°	43.3	49.0	46.9	44.8	21.2	22.3	18.7	20.3	17.0	14.2	15.3
76°	36.1	40.7	39.3	38.1	15.5	16.4	13.7	15.6	11.5	9.3	10.9
77°	30.0	34.2	32.0	31.6	10.6	12.1	9.5	11.0	8.1	5.2	6.5
78°	23.6	27.9	26.1	25.2	7.1	7.1	5.5	6.5	4.2	2.4	3.6
79°	18.3	22.5	20.5	18.8	2.8	4.3	2.5	3.7	2.1	1.1	1.4
80°	13.5	16.0	15.3	14.2	0.0	1.9	0.0	1.2	0.0	0.0	0.0
81°	9.5	11.3	10.3	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	5.5	7.5	6.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	2.9	4.8	3.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	2.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89°	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):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P851828
 CATALOG NUMBER: RLFRC6FSMBB-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P851828
CATALOG NUMBER: RLFRC6FSMBB-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P851828
 CATALOG NUMBER: RLFRC6FSMBB-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	526.1	526.1	526.1	526.1	526.1	526.1
1°	525.2	526.6	526.4	526.5	526.0	526.5
2°	524.7	526.5	526.3	526.6	526.3	526.9
3°	523.8	526.1	526.2	526.6	526.5	526.3
4°	522.7	525.6	525.7	526.3	526.0	526.0
5°	521.6	524.8	525.2	525.8	525.6	525.7
6°	519.8	523.8	524.2	524.9	525.3	524.9
7°	517.9	522.4	522.9	524.1	523.7	524.2
8°	515.8	521.0	521.8	522.8	522.3	523.4
9°	513.4	519.8	520.1	521.6	521.0	521.9
10°	511.1	518.0	518.3	520.1	519.2	520.4
11°	509.0	516.5	516.4	518.4	517.3	519.0
12°	506.3	514.4	514.2	516.7	515.5	516.2
13°	502.8	512.4	512.3	514.4	513.1	514.7
14°	499.6	509.3	510.0	511.5	510.8	512.4
15°	496.2	506.8	506.6	509.0	508.2	510.2
16°	492.2	503.9	503.7	506.2	505.3	507.2
17°	488.4	500.5	500.5	503.4	502.3	504.3
18°	484.3	497.1	497.6	500.1	499.0	501.1
19°	479.8	493.7	493.3	496.7	495.4	497.6
20°	475.6	489.7	489.9	492.8	491.7	493.9
21°	470.7	485.6	486.1	489.5	487.9	490.0
22°	466.0	481.6	482.0	485.0	484.0	486.3
23°	460.7	477.3	477.1	480.8	479.8	481.6
24°	455.4	472.7	473.1	476.8	475.1	477.3
25°	449.5	467.6	468.5	472.0	470.7	473.0
26°	444.6	462.8	463.0	467.3	465.3	468.3
27°	438.3	458.0	458.1	461.9	460.4	463.0
28°	432.7	452.6	452.7	456.8	455.2	458.2
29°	426.2	446.6	447.4	451.7	449.2	452.7
30°	419.5	440.7	441.6	445.8	443.4	447.4
31°	413.3	435.5	435.7	440.5	438.0	441.4
32°	407.1	428.6	429.4	434.4	432.0	435.3
33°	399.4	422.7	422.9	428.0	425.6	429.4
34°	392.6	416.2	416.4	422.1	419.7	422.6
35°	385.0	410.0	410.1	414.9	413.1	415.8
36°	377.6	402.4	403.2	408.3	405.5	409.7
37°	370.1	395.9	395.7	401.4	398.6	402.1
38°	362.3	388.7	388.6	394.8	392.1	395.0
39°	354.4	380.9	381.8	387.0	384.3	388.5
40°	346.3	373.6	374.3	379.4	376.6	380.9
41°	338.6	365.8	366.0	372.0	369.1	373.0
42°	329.6	358.5	358.3	364.4	361.2	365.0
43°	322.2	350.2	351.0	355.7	353.8	357.6
44°	313.9	342.3	342.0	348.4	345.2	349.7



TEST NUMBER: P851828
 CATALOG NUMBER: RLFRC6FSMBB-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	304.8	334.5	333.8	340.5	337.2	341.6
46°	296.0	326.3	325.7	332.0	328.4	333.2
47°	286.0	317.2	317.2	323.6	319.9	325.0
48°	276.0	308.6	307.9	315.3	311.2	316.9
49°	265.2	300.5	299.5	306.5	302.7	307.1
50°	254.8	291.3	290.2	297.0	294.4	298.8
51°	243.7	281.2	279.8	287.7	283.5	289.5
52°	232.4	271.1	269.5	278.0	273.4	280.2
53°	220.3	261.1	259.4	267.7	263.4	268.4
54°	209.7	248.9	248.4	256.0	252.5	258.1
55°	198.5	238.2	236.4	245.1	240.3	247.8
56°	186.8	227.5	225.5	234.2	229.7	236.5
57°	175.0	215.3	214.1	222.7	218.4	224.4
58°	164.5	203.8	202.8	211.3	206.7	213.1
59°	152.6	193.0	191.4	200.6	195.0	201.1
60°	141.2	181.9	180.4	188.5	184.1	190.3
61°	131.5	170.0	169.1	177.0	173.2	179.1
62°	121.2	159.3	157.0	166.0	161.3	167.7
63°	110.6	148.5	146.3	154.9	150.0	156.4
64°	100.9	137.7	136.0	143.0	139.8	145.8
65°	90.3	126.6	126.2	132.7	128.9	134.8
66°	81.3	116.0	114.7	122.7	118.2	123.6
67°	73.0	107.3	105.1	112.9	108.7	113.3
68°	64.1	97.0	96.2	102.1	98.5	104.1
69°	54.8	86.9	86.1	92.7	88.3	94.9
70°	47.7	78.5	76.4	83.8	79.4	84.4
71°	39.8	69.3	67.9	74.9	70.8	75.2
72°	33.4	61.1	58.6	64.8	61.4	67.4
73°	26.8	52.9	50.8	57.1	53.6	59.5
74°	21.8	45.8	44.0	50.0	46.8	50.5
75°	15.8	38.6	37.2	41.9	39.0	43.3
76°	11.0	31.1	30.3	35.4	32.9	36.1
77°	6.8	24.9	24.5	29.3	26.3	30.0
78°	3.9	19.4	18.3	22.5	20.3	23.6
79°	1.3	14.1	13.5	17.5	15.3	18.3
80°	0.0	9.1	9.0	12.4	10.2	13.5
81°	0.0	5.6	4.8	8.2	6.8	9.5
82°	0.0	2.6	2.7	4.8	3.7	5.5
83°	0.0	0.0	0.0	2.4	1.5	2.9
84°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P851828
 CATALOG NUMBER: RLFRC6FSMBB-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P851828
CATALOG NUMBER: RLFRC6FSMBB-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P851828
CATALOG NUMBER: RLFRC6FSMBB-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)