

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: P851831

Luminaire Tested: RLFRC6FSMBB-5000K

Issue Date: 7/3/2024

Test Information

Test Method: LM-79-2019
Report Number: P851831
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-5000K
Description: 6" Fire Rated Canless, 5000K CCT 1100lms,BLK
Light Source: -
Ballast/Driver:

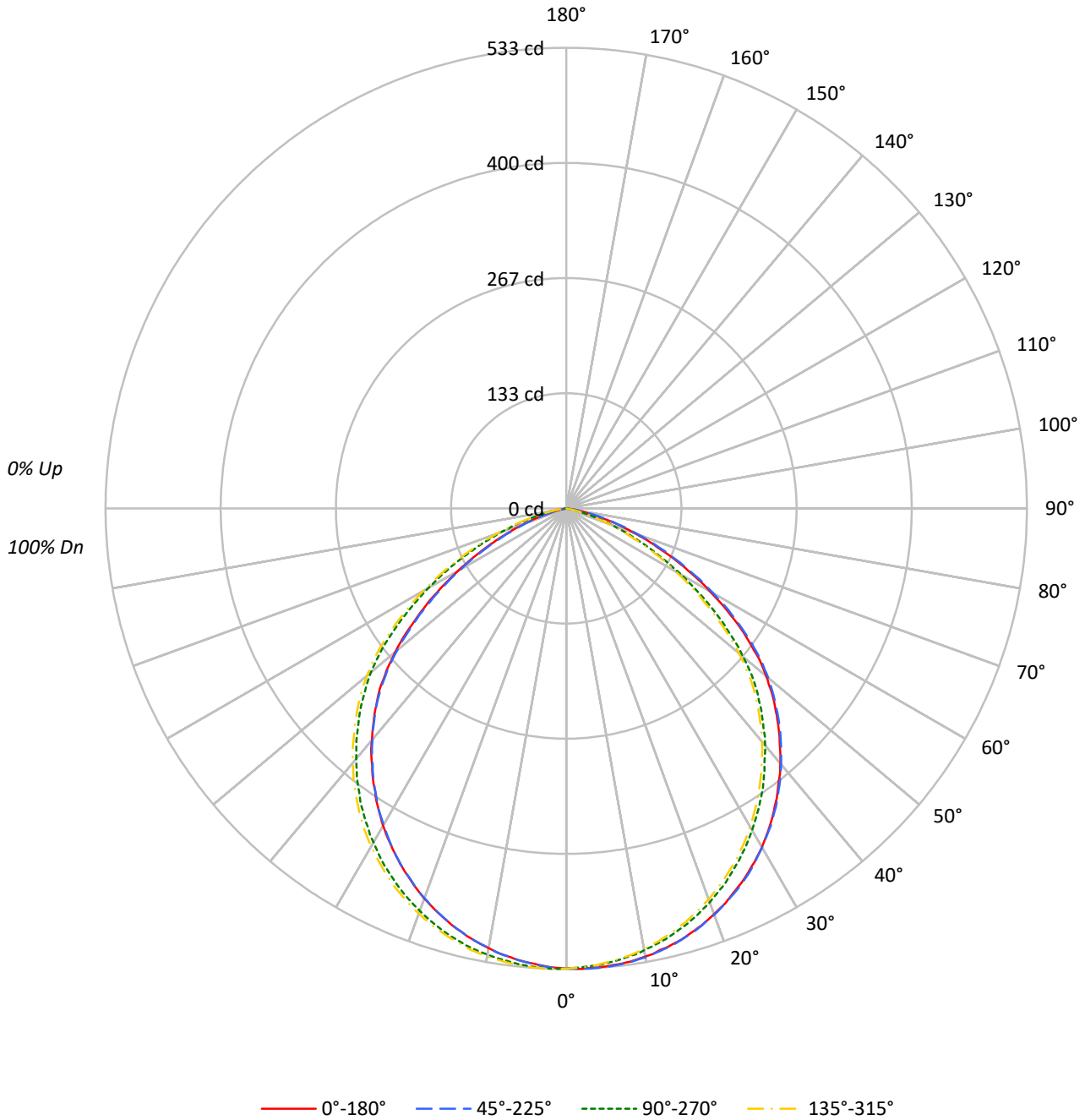
Summary

Lumens per Lamp: 1250.2 (1 lamp)
Luminaire Lumens: 1265.0 lumens
Efficiency: 101.2%
Efficacy: 97.3 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
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: P851831
CATALOG NUMBER: RLFRC6FSMBB-5000K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																		
0	120	120	120	120	118	118	118	118	112	112	112	108	108	108	103	103	103	101
1	112	108	104	101	109	106	102	99	101	99	96	97	95	93	94	92	90	88
2	103	95	89	84	100	94	88	83	90	85	81	87	83	80	84	81	78	76
3	94	85	77	71	92	83	76	71	80	74	70	78	73	68	75	71	67	65
4	87	76	68	61	85	74	67	61	72	65	60	70	64	59	68	63	59	56
5	80	68	60	53	78	67	59	53	65	58	52	63	57	52	61	56	51	49
6	74	62	53	47	72	61	53	47	59	52	46	57	51	46	56	50	46	44
7	69	56	48	42	67	55	47	41	54	46	41	52	46	41	51	45	41	39
8	64	51	43	37	63	50	43	37	49	42	37	48	41	37	47	41	37	35
9	60	47	39	34	59	46	39	34	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	36	31	42	35	30	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	67002	67002	67002	67002
5°	67208	66753	66601	67094
10°	67308	66336	66017	66988
15°	67281	65757	65301	66812
20°	66936	64981	64312	66374
25°	66472	63820	63042	65708
30°	65800	62487	61572	64812
35°	64649	60931	59687	63758
40°	63332	58831	57418	62116
45°	61509	56170	54853	60246
50°	59187	52256	50513	57718
55°	55007	46384	43992	52900
60°	48452	38812	36471	46338
65°	40648	30225	27664	38146
70°	31424	20679	18398	29253
75°	21346	10454	8363	19012
80°	9856	0	0	6668
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 62488 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	50.3	4.0	4.0
10°-20°	143.5	11.3	11.5
20°-30°	214.9	17.0	17.2
30°-40°	253.2	20.0	20.3
40°-50°	251.7	19.9	20.1
50°-60°	201.3	15.9	16.1
60°-70°	114.6	9.1	9.2
70°-80°	34.4	2.7	2.8
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°	408.7	32.3	32.7
0°-40°	661.8	52.3	52.9
0°-60°	1114.8	88.1	89.2
0°-90°	1265.0	100.0	101.2
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°	1265.0	100.0	101.2

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	532	532	532	532	532	
5°	532	528	527	531	532	51
15°	516	505	501	513	516	146
25°	479	460	454	473	479	220
35°	421	397	388	415	421	263
45°	346	316	308	338	346	266
55°	251	211	200	241	251	223
65°	136	102	93	128	136	136
75°	44	22	17	39	44	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	532.4	532.4	532.4	532.4	532.4	532.4	532.4	532.4	532.4	532.4	532.4
1°	532.8	533.3	532.8	533.1	531.9	532.2	532.1	531.7	531.9	531.7	532.1
2°	533.2	533.5	533.0	532.7	531.2	531.8	531.3	531.4	531.2	530.8	531.4
3°	532.6	533.3	533.3	533.1	530.5	530.8	530.6	530.4	529.9	529.9	530.2
4°	532.3	533.4	533.0	532.1	529.7	530.2	529.3	529.5	528.4	528.3	529.0
5°	532.0	533.1	532.7	532.0	528.4	528.7	527.6	527.6	527.2	526.7	527.3
6°	531.2	532.4	532.0	531.1	527.1	526.9	526.1	526.0	525.7	524.9	525.7
7°	530.5	531.8	531.2	530.2	525.4	525.3	524.5	524.8	523.5	523.3	523.4
8°	529.7	530.7	530.2	529.1	523.3	523.8	522.4	522.6	521.7	521.0	521.8
9°	528.2	529.4	528.7	527.9	522.1	521.5	520.4	520.7	519.6	518.4	519.5
10°	526.7	528.1	527.4	526.4	519.1	519.1	517.5	518.4	516.6	515.7	516.6
11°	525.3	526.7	525.3	524.5	516.7	516.7	514.8	515.6	514.1	512.9	513.8
12°	522.4	524.9	523.6	522.9	514.0	513.9	512.3	513.1	511.0	510.0	511.2
13°	520.9	522.9	521.5	520.3	511.6	511.5	508.9	509.6	508.2	506.2	507.9
14°	518.5	520.6	519.4	517.7	508.1	508.1	505.6	506.6	504.3	503.4	504.6
15°	516.4	518.3	516.6	515.5	504.7	504.7	502.1	503.2	501.2	499.8	501.0
16°	513.3	515.0	513.7	512.1	501.6	501.4	498.6	499.4	497.3	495.7	496.9
17°	510.3	512.2	510.9	509.2	497.7	497.7	494.2	496.0	493.3	491.4	492.9
18°	507.1	509.0	507.4	506.5	493.6	493.4	490.1	491.7	489.1	487.2	488.8
19°	503.6	505.9	503.8	503.0	489.4	489.9	485.7	487.1	484.6	482.9	484.4
20°	499.8	502.2	500.6	499.0	485.2	485.2	481.3	483.1	480.2	478.2	479.7
21°	495.9	498.7	496.7	495.1	480.3	480.7	476.7	477.7	475.3	472.9	475.2
22°	492.2	494.3	492.1	491.0	475.5	475.7	471.8	473.7	470.2	468.1	470.0
23°	487.4	490.4	488.3	487.0	471.2	471.5	466.4	468.5	464.7	462.4	464.2
24°	483.0	486.2	484.1	482.3	465.2	465.2	461.2	463.4	459.5	456.6	459.5
25°	478.7	481.8	479.7	477.9	459.6	460.0	455.9	457.6	454.0	451.7	453.7
26°	473.9	476.7	474.8	473.0	454.6	454.6	450.6	451.9	448.2	445.9	448.0
27°	468.6	471.8	470.1	467.7	448.4	449.2	444.1	446.4	442.3	439.8	441.7
28°	463.7	466.6	464.7	462.5	442.7	443.0	438.4	440.3	436.3	433.2	435.8
29°	458.1	461.1	458.6	457.0	436.5	437.4	431.8	434.1	430.3	426.6	429.1
30°	452.8	455.8	453.1	451.3	430.0	430.6	425.4	427.2	423.7	420.2	422.6
31°	446.7	450.5	447.2	445.2	423.3	424.1	418.8	420.5	416.9	413.2	416.4
32°	440.5	444.4	441.5	439.3	416.8	417.7	411.8	414.3	409.9	406.6	409.9
33°	434.5	438.0	435.8	433.2	410.2	410.3	405.2	407.7	403.5	399.5	402.2
34°	427.6	432.0	428.7	426.3	403.1	403.7	397.6	400.1	395.2	391.4	394.8
35°	420.8	425.3	422.6	419.9	396.6	397.0	390.4	393.1	388.5	384.8	387.7
36°	414.6	418.3	415.6	413.3	388.6	389.3	382.9	385.3	381.3	376.4	380.4
37°	407.0	411.6	408.3	406.7	380.9	381.9	375.3	377.7	372.9	369.5	372.1
38°	399.8	404.6	401.5	398.9	372.7	373.5	367.6	370.2	365.9	362.0	364.8
39°	393.2	397.5	394.3	392.2	365.5	366.7	360.5	363.1	358.6	353.9	357.1
40°	385.5	390.1	386.7	384.6	358.1	359.1	352.1	355.1	349.5	345.8	348.9
41°	377.5	382.5	379.0	376.5	350.3	350.4	344.8	346.7	341.7	337.4	341.0
42°	369.3	375.2	371.6	369.3	341.2	342.7	336.1	338.2	333.2	329.5	332.3
43°	361.9	367.1	364.0	361.5	333.0	334.3	327.4	330.6	325.1	321.6	323.8
44°	353.9	358.8	356.3	354.2	325.1	325.5	319.3	322.6	316.4	312.4	315.9



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 CATALOG NUMBER: RLFRC6FSMBB-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	345.6	351.1	347.8	345.0	315.6	316.6	310.7	314.2	308.2	302.9	306.3
46°	337.2	342.4	339.6	337.0	307.6	308.3	301.9	304.9	299.6	293.7	297.1
47°	328.9	334.0	330.9	329.0	298.5	299.5	292.3	296.2	288.6	284.1	286.9
48°	320.7	325.6	322.5	319.9	289.0	289.5	281.7	286.1	279.4	272.8	277.4
49°	310.8	316.9	313.7	311.6	278.2	279.8	272.0	275.5	268.3	263.2	266.2
50°	302.3	308.3	305.2	302.8	266.9	268.8	260.7	265.3	258.0	251.1	255.4
51°	293.0	298.7	295.2	293.9	257.6	258.0	250.2	254.2	247.1	240.4	244.5
52°	283.6	289.4	286.1	283.2	245.6	247.1	238.9	243.4	235.7	228.5	232.1
53°	271.6	279.3	275.7	272.9	233.7	235.8	227.1	231.6	223.3	217.3	220.6
54°	261.2	267.5	265.0	262.4	222.7	223.3	214.5	219.9	212.4	205.1	210.0
55°	250.7	256.6	253.4	251.8	211.4	212.5	203.7	207.4	200.5	194.2	197.6
56°	239.4	245.7	242.5	240.9	199.4	200.3	191.8	196.7	190.4	183.2	186.3
57°	227.1	235.0	231.3	228.6	188.0	189.4	181.5	186.1	178.0	171.8	175.1
58°	215.7	222.5	220.5	217.9	176.0	178.3	169.3	173.8	167.0	159.5	163.4
59°	203.5	211.5	207.7	205.3	165.0	166.8	158.4	163.1	155.2	148.8	152.9
60°	192.5	200.5	196.4	194.1	154.2	155.6	147.2	151.5	144.9	137.6	140.8
61°	181.2	187.7	185.2	183.3	142.7	144.5	136.3	139.7	133.5	127.0	130.7
62°	169.7	176.4	174.4	172.1	131.4	133.6	125.6	128.7	123.6	116.8	120.5
63°	158.3	165.6	162.0	161.2	121.0	122.4	116.0	119.9	113.2	106.8	108.8
64°	147.5	154.5	151.7	149.8	111.3	112.3	105.8	109.1	102.6	96.5	99.2
65°	136.5	142.7	140.5	138.8	101.5	102.8	96.2	99.4	92.9	87.1	89.2
66°	125.1	132.6	129.0	127.5	91.3	92.5	85.3	89.4	83.7	77.9	79.9
67°	114.6	122.3	119.4	117.3	82.1	82.8	76.8	79.9	74.1	69.1	71.4
68°	105.3	111.4	109.0	107.2	72.5	73.8	67.7	71.6	65.5	60.6	62.3
69°	96.0	101.4	99.6	97.8	63.6	65.0	60.3	62.4	58.0	52.4	54.7
70°	85.4	91.8	89.1	87.3	56.2	57.5	51.5	54.5	50.0	44.2	47.3
71°	76.1	82.9	80.1	78.1	48.9	49.3	44.0	46.8	42.5	37.7	39.4
72°	68.2	73.5	71.6	69.4	40.9	42.3	36.0	39.6	35.0	30.1	32.6
73°	60.2	64.5	62.0	61.1	33.7	35.4	30.5	32.7	28.4	24.5	26.4
74°	51.1	56.2	54.1	53.4	27.6	27.6	24.0	26.3	22.3	19.2	20.2
75°	43.9	49.6	47.5	45.3	21.5	22.6	18.9	20.6	17.2	14.3	15.5
76°	36.6	41.2	39.7	38.5	15.7	16.6	13.9	15.8	11.7	9.4	11.0
77°	30.3	34.6	32.4	32.0	10.7	12.2	9.6	11.1	8.2	5.3	6.6
78°	23.9	28.2	26.4	25.5	7.2	7.2	5.5	6.6	4.2	2.5	3.7
79°	18.5	22.7	20.8	19.0	2.8	4.3	2.5	3.8	2.1	1.1	1.5
80°	13.6	16.2	15.5	14.3	0.0	1.9	0.0	1.2	0.0	0.0	0.0
81°	9.6	11.4	10.4	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	5.6	7.6	6.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	2.9	4.8	3.9	3.3	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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 CATALOG NUMBER: RLFRC6FSMBB-5000K

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: P851831
 CATALOG NUMBER: RLFRC6FSMBB-5000K

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: P851831
CATALOG NUMBER: RLFRC6FSMBB-5000K

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: P851831
 CATALOG NUMBER: RLFRC6FSMBB-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	532.4	532.4	532.4	532.4	532.4	532.4
1°	531.5	532.9	532.7	532.8	532.3	532.8
2°	531.0	532.8	532.6	532.9	532.6	533.2
3°	530.1	532.4	532.5	532.9	532.8	532.6
4°	529.0	531.9	532.0	532.6	532.3	532.3
5°	527.9	531.1	531.5	532.1	531.9	532.0
6°	526.0	530.1	530.5	531.2	531.6	531.2
7°	524.1	528.7	529.2	530.3	529.9	530.5
8°	522.0	527.3	528.1	529.1	528.5	529.7
9°	519.6	526.1	526.3	527.8	527.2	528.2
10°	517.2	524.2	524.5	526.3	525.4	526.7
11°	515.1	522.7	522.6	524.7	523.5	525.3
12°	512.3	520.6	520.4	522.9	521.7	522.4
13°	508.8	518.5	518.4	520.5	519.3	520.9
14°	505.6	515.4	516.2	517.7	516.9	518.5
15°	502.1	512.8	512.6	515.1	514.3	516.4
16°	498.1	509.9	509.8	512.3	511.3	513.3
17°	494.2	506.5	506.5	509.4	508.3	510.3
18°	490.1	503.0	503.6	506.1	505.0	507.1
19°	485.6	499.6	499.3	502.6	501.3	503.6
20°	481.3	495.6	495.8	498.7	497.6	499.8
21°	476.4	491.4	491.9	495.3	493.8	495.9
22°	471.6	487.4	487.8	490.8	489.8	492.2
23°	466.2	483.1	482.8	486.6	485.5	487.4
24°	460.8	478.3	478.8	482.5	480.8	483.0
25°	454.9	473.2	474.1	477.6	476.4	478.7
26°	449.9	468.3	468.6	472.9	470.9	473.9
27°	443.5	463.5	463.6	467.5	465.9	468.6
28°	437.9	458.0	458.1	462.3	460.7	463.7
29°	431.3	452.0	452.8	457.1	454.6	458.1
30°	424.6	446.0	446.9	451.2	448.7	452.8
31°	418.2	440.7	440.9	445.8	443.3	446.7
32°	412.0	433.7	434.6	439.6	437.2	440.5
33°	404.2	427.8	428.0	433.2	430.8	434.5
34°	397.3	421.2	421.4	427.2	424.7	427.6
35°	389.6	415.0	415.0	419.9	418.0	420.8
36°	382.2	407.2	408.0	413.2	410.4	414.6
37°	374.6	400.7	400.4	406.2	403.4	407.0
38°	366.6	393.3	393.3	399.6	396.8	399.8
39°	358.6	385.5	386.4	391.6	388.9	393.2
40°	350.5	378.1	378.8	384.0	381.1	385.5
41°	342.7	370.2	370.4	376.4	373.6	377.5
42°	333.6	362.8	362.6	368.8	365.5	369.3
43°	326.1	354.4	355.2	360.0	358.1	361.9
44°	317.7	346.4	346.1	352.5	349.3	353.9



TEST NUMBER: P851831
 CATALOG NUMBER: RLFRC6FSMBB-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	308.4	338.5	337.8	344.5	341.3	345.6
46°	299.5	330.2	329.6	336.0	332.3	337.2
47°	289.5	321.0	321.0	327.5	323.8	328.9
48°	279.3	312.3	311.6	319.0	314.9	320.7
49°	268.4	304.1	303.1	310.2	306.3	310.8
50°	257.9	294.8	293.7	300.6	297.9	302.3
51°	246.7	284.5	283.1	291.2	286.9	293.0
52°	235.2	274.3	272.8	281.3	276.7	283.6
53°	223.0	264.2	262.5	270.9	266.5	271.6
54°	212.2	251.9	251.4	259.0	255.5	261.2
55°	200.9	241.1	239.3	248.0	243.2	250.7
56°	189.0	230.2	228.2	237.0	232.5	239.4
57°	177.1	217.8	216.7	225.3	221.0	227.1
58°	166.4	206.3	205.2	213.8	209.2	215.7
59°	154.4	195.3	193.7	203.0	197.4	203.5
60°	142.8	184.1	182.5	190.7	186.3	192.5
61°	133.1	172.0	171.2	179.2	175.2	181.2
62°	122.7	161.2	158.9	168.0	163.3	169.7
63°	112.0	150.3	148.0	156.8	151.8	158.3
64°	102.1	139.3	137.7	144.7	141.5	147.5
65°	91.4	128.1	127.7	134.3	130.5	136.5
66°	82.3	117.4	116.1	124.2	119.6	125.1
67°	73.9	108.6	106.3	114.2	110.0	114.6
68°	64.8	98.2	97.3	103.3	99.7	105.3
69°	55.5	87.9	87.2	93.8	89.4	96.0
70°	48.3	79.5	77.3	84.8	80.3	85.4
71°	40.3	70.1	68.7	75.8	71.7	76.1
72°	33.8	61.9	59.3	65.6	62.1	68.2
73°	27.1	53.6	51.4	57.7	54.3	60.2
74°	22.1	46.3	44.5	50.6	47.4	51.1
75°	16.0	39.1	37.6	42.4	39.5	43.9
76°	11.1	31.5	30.7	35.8	33.3	36.6
77°	6.9	25.2	24.8	29.6	26.6	30.3
78°	4.0	19.6	18.5	22.8	20.6	23.9
79°	1.3	14.2	13.7	17.7	15.5	18.5
80°	0.0	9.2	9.2	12.6	10.4	13.6
81°	0.0	5.7	4.8	8.3	6.9	9.6
82°	0.0	2.6	2.7	4.8	3.8	5.6
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: P851831
 CATALOG NUMBER: RLFRC6FSMBB-5000K

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: P851831
 CATALOG NUMBER: RLFRC6FSMBB-5000K

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: P851831
CATALOG NUMBER: RLFRC6FSMBB-5000K

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)