

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: P851829

Luminaire Tested: RLFRC6FSMBB-3500K

Issue Date: 7/3/2024

Test Information

Test Method: LM-79-2019
Report Number: P851829
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-3500K
Description: 6" Fire Rated Canless, 3500K CCT 1100lms,BLK
Light Source: -
Ballast/Driver:

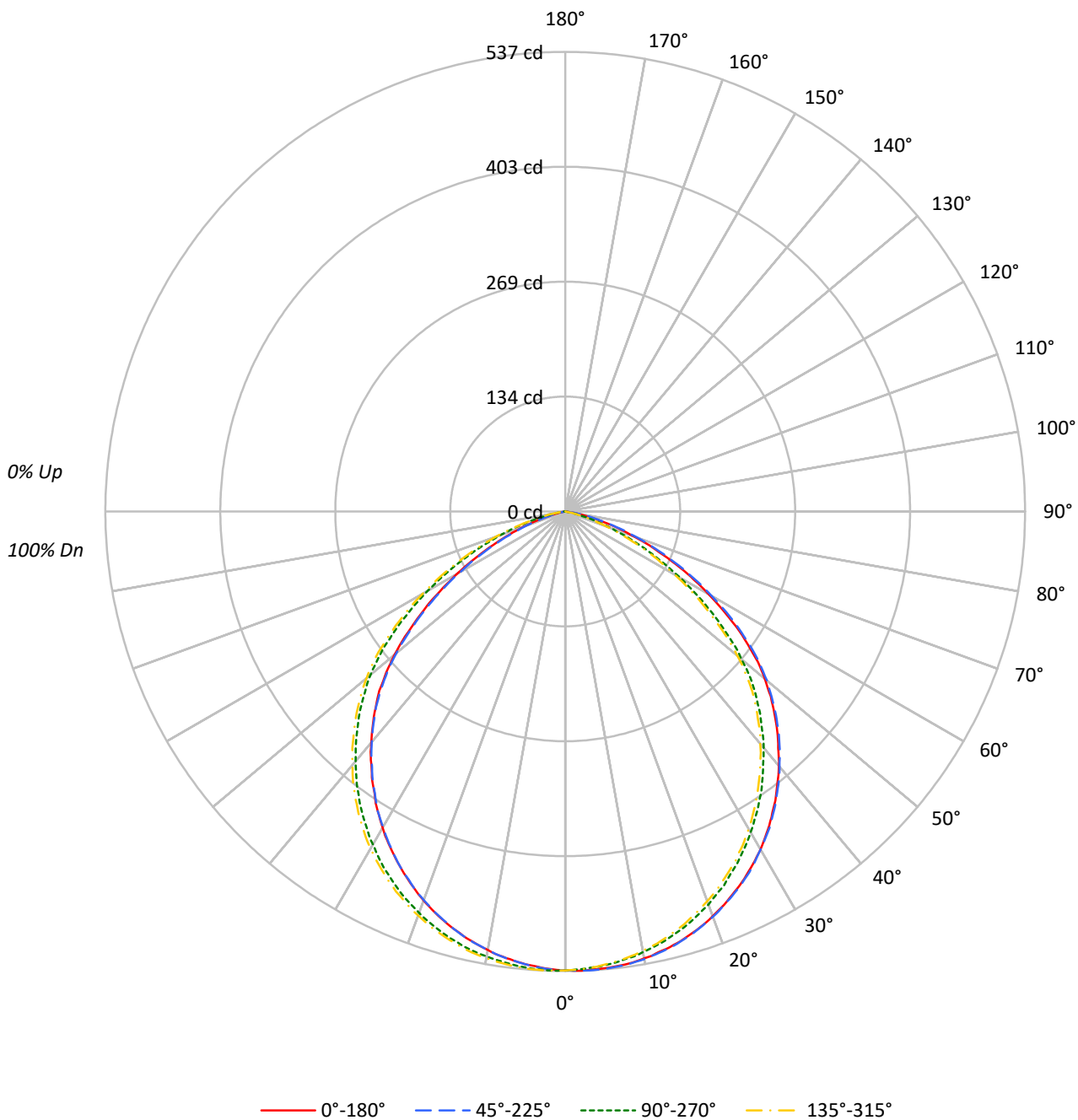
Summary

Lumens per Lamp: 1250.2 (1 lamp)
Luminaire Lumens: 1274.0 lumens
Efficiency: 101.9%
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): 13.1
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: P851829
CATALOG NUMBER: RLFRC6FSMBB-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P851829
 CATALOG NUMBER: RLFRC6FSMBB-3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	121	121	121	121	118	118	118	118	113	113	113	108	108	108	104	104	104	102						102													
1	113	109	105	102	110	106	103	100	102	99	97	98	96	94	94	93	91	89						89													
2	104	96	90	85	101	94	89	84	91	86	82	87	84	80	84	81	78	76						76													
3	95	85	78	72	93	84	77	71	81	75	70	78	73	69	76	71	68	66						66													
4	87	76	68	62	85	75	67	61	72	66	61	70	64	60	68	63	59	57						57													
5	81	69	60	54	79	67	59	53	65	58	53	63	57	52	62	56	52	50						50													
6	75	62	53	47	73	61	53	47	59	52	47	58	51	46	56	50	46	44						44													
7	69	56	48	42	68	56	47	42	54	47	41	53	46	41	51	45	41	39						39													
8	65	52	43	38	63	51	43	37	50	42	37	48	42	37	47	41	37	35						35													
9	60	47	39	34	59	47	39	34	46	39	34	45	38	33	44	38	33	32						32													
10	57	44	36	31	55	43	36	31	42	35	31	41	35	30	40	35	30	29						29													

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	67481	67481	67481	67481
5°	67688	67233	67082	67574
10°	67780	66809	66490	67461
15°	67750	66226	65757	67294
20°	67419	65450	64767	66843
25°	66944	64278	63501	66181
30°	66265	62938	62008	65263
35°	65110	61362	60117	64204
40°	63776	59241	57828	62560
45°	61954	56562	55245	60673
50°	59617	52628	50885	58129
55°	55402	46713	44299	53273
60°	48805	39089	36723	46665
65°	40916	30434	27843	38414
70°	31645	20827	18508	29437
75°	21492	10503	8412	19158
80°	9929	0	0	6668
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 62915 cd/sqm



TEST NUMBER: P851829
 CATALOG NUMBER: RLFRC6FSMBB-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	50.7	4.0	4.1
10°-20°	144.5	11.3	11.6
20°-30°	216.4	17.0	17.3
30°-40°	255.0	20.0	20.4
40°-50°	253.4	19.9	20.3
50°-60°	202.8	15.9	16.2
60°-70°	115.4	9.1	9.2
70°-80°	34.7	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°	411.6	32.3	32.9
0°-40°	666.5	52.3	53.3
0°-60°	1122.7	88.1	89.8
0°-90°	1274.0	100.0	101.9
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°	1274.0	100.0	101.9

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	536	536	536	536	536	
5°	536	532	531	535	536	51
15°	520	508	505	516	520	147
25°	482	463	457	477	482	222
35°	424	399	391	418	424	265
45°	348	318	310	341	348	268
55°	252	213	202	243	252	224
65°	137	102	94	129	137	137
75°	44	22	17	39	44	49
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: P851829
 CATALOG NUMBER: RLFR6FSMBB-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2
1°	536.6	537.1	536.6	536.9	535.7	536.0	535.9	535.5	535.7	535.5	535.9
2°	537.0	537.3	536.8	536.5	535.0	535.6	535.1	535.2	534.9	534.6	535.2
3°	536.4	537.1	537.1	536.9	534.2	534.6	534.4	534.2	533.7	533.7	534.0
4°	536.1	537.2	536.8	535.9	533.5	533.9	533.1	533.3	532.2	532.1	532.8
5°	535.8	536.9	536.5	535.8	532.2	532.5	531.4	531.3	531.0	530.5	531.1
6°	535.0	536.1	535.8	534.9	530.9	530.6	529.8	529.8	529.4	528.6	529.4
7°	534.2	535.6	535.0	533.9	529.2	529.1	528.3	528.6	527.2	527.1	527.1
8°	533.5	534.4	534.0	532.9	527.0	527.5	526.1	526.3	525.4	524.8	525.5
9°	532.0	533.2	532.5	531.7	525.8	525.2	524.1	524.4	523.3	522.1	523.2
10°	530.4	531.9	531.2	530.2	522.8	522.8	521.2	522.1	520.3	519.4	520.3
11°	529.0	530.5	529.1	528.3	520.4	520.4	518.5	519.2	517.7	516.6	517.4
12°	526.1	528.6	527.3	526.6	517.7	517.6	516.0	516.7	514.6	513.7	514.8
13°	524.6	526.6	525.2	524.1	515.2	515.1	512.6	513.2	511.8	509.8	511.6
14°	522.2	524.3	523.1	521.4	511.7	511.7	509.2	510.3	507.9	507.0	508.2
15°	520.0	522.0	520.3	519.2	508.3	508.3	505.7	506.8	504.7	503.4	504.6
16°	516.9	518.7	517.4	515.7	505.2	505.0	502.2	503.0	500.8	499.2	500.4
17°	513.9	515.9	514.6	512.8	501.2	501.3	497.7	499.5	496.8	494.9	496.4
18°	510.7	512.6	511.0	510.2	497.1	496.9	493.6	495.2	492.6	490.6	492.3
19°	507.2	509.5	507.4	506.6	492.9	493.3	489.2	490.6	488.1	486.3	487.8
20°	503.4	505.8	504.2	502.6	488.7	488.6	484.7	486.6	483.6	481.6	483.1
21°	499.4	502.2	500.2	498.6	483.7	484.1	480.1	481.1	478.7	476.3	478.6
22°	495.7	497.9	495.6	494.4	478.9	479.1	475.2	477.1	473.5	471.4	473.4
23°	490.9	493.9	491.8	490.5	474.6	474.9	469.7	471.8	468.0	465.7	467.5
24°	486.5	489.7	487.5	485.7	468.5	468.5	464.5	466.7	462.8	459.9	462.8
25°	482.1	485.3	483.1	481.3	462.9	463.3	459.1	460.9	457.3	454.9	456.9
26°	477.3	480.1	478.2	476.4	457.8	457.8	453.9	455.1	451.4	449.1	451.2
27°	471.9	475.1	473.4	471.0	451.6	452.4	447.3	449.6	445.4	442.9	444.8
28°	467.0	469.9	468.0	465.8	445.8	446.1	441.6	443.4	439.5	436.2	438.9
29°	461.4	464.4	461.8	460.3	439.6	440.5	434.8	437.2	433.4	429.7	432.2
30°	456.0	459.0	456.3	454.5	433.1	433.7	428.4	430.3	426.7	423.2	425.6
31°	449.9	453.7	450.4	448.4	426.3	427.1	421.8	423.4	419.8	416.2	419.3
32°	443.6	447.5	444.7	442.5	419.8	420.6	414.7	417.2	412.9	409.4	412.9
33°	437.6	441.2	438.9	436.3	413.1	413.3	408.1	410.6	406.4	402.3	405.1
34°	430.7	435.0	431.8	429.3	405.9	406.6	400.4	403.0	398.0	394.1	397.6
35°	423.8	428.4	425.6	422.9	399.4	399.8	393.2	395.8	391.3	387.5	390.5
36°	417.5	421.2	418.6	416.2	391.3	392.1	385.6	388.0	384.0	379.1	383.1
37°	409.9	414.5	411.2	409.6	383.6	384.6	378.0	380.4	375.5	372.1	374.8
38°	402.6	407.5	404.4	401.7	375.3	376.1	370.2	372.9	368.5	364.6	367.4
39°	396.0	400.4	397.1	395.0	368.1	369.3	363.0	365.7	361.1	356.4	359.6
40°	388.2	392.9	389.4	387.3	360.6	361.6	354.6	357.6	352.0	348.3	351.4
41°	380.2	385.3	381.7	379.1	352.8	352.9	347.3	349.2	344.1	339.8	343.4
42°	372.0	377.8	374.3	371.9	343.6	345.1	338.5	340.6	335.6	331.9	334.7
43°	364.5	369.8	366.6	364.1	335.4	336.7	329.7	333.0	327.4	323.9	326.1
44°	356.4	361.3	358.8	356.7	327.5	327.8	321.6	324.9	318.7	314.6	318.2



TEST NUMBER: P851829
 CATALOG NUMBER: RLFRC6FSMBB-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	348.1	353.5	350.3	347.5	317.8	318.9	312.9	316.4	310.4	305.0	308.5
46°	339.6	344.8	342.0	339.4	309.8	310.5	304.0	307.1	301.7	295.8	299.2
47°	331.2	336.4	333.2	331.3	300.6	301.7	294.4	298.3	290.7	286.1	288.9
48°	322.9	327.9	324.8	322.2	291.1	291.5	283.7	288.2	281.4	274.8	279.3
49°	313.0	319.2	315.9	313.8	280.2	281.8	274.0	277.5	270.2	265.1	268.1
50°	304.5	310.5	307.4	304.9	268.8	270.7	262.6	267.2	259.9	252.9	257.2
51°	295.1	300.8	297.3	296.0	259.4	259.8	252.0	256.0	248.8	242.1	246.2
52°	285.6	291.5	288.1	285.2	247.4	248.9	240.6	245.1	237.4	230.1	233.8
53°	273.5	281.2	277.7	274.8	235.4	237.5	228.7	233.2	224.9	218.8	222.1
54°	263.1	269.4	266.8	264.3	224.3	224.9	216.1	221.4	213.9	206.6	211.5
55°	252.5	258.4	255.2	253.6	212.9	214.0	205.1	208.9	201.9	195.5	199.0
56°	241.1	247.5	244.3	242.6	200.8	201.8	193.1	198.1	191.8	184.5	187.6
57°	228.7	236.7	232.9	230.3	189.3	190.8	182.8	187.4	179.3	173.1	176.4
58°	217.2	224.1	222.0	219.4	177.3	179.6	170.5	175.0	168.2	160.6	164.5
59°	205.0	213.0	209.2	206.7	166.2	168.0	159.5	164.3	156.3	149.9	154.0
60°	193.9	201.9	197.8	195.5	155.3	156.7	148.3	152.5	145.9	138.6	141.8
61°	182.5	189.0	186.5	184.6	143.8	145.5	137.2	140.7	134.4	127.9	131.6
62°	170.9	177.6	175.6	173.3	132.4	134.5	126.5	129.6	124.5	117.6	121.4
63°	159.4	166.8	163.1	162.3	121.9	123.3	116.8	120.8	114.0	107.6	109.6
64°	148.6	155.6	152.8	150.9	112.1	113.1	106.6	109.9	103.3	97.2	100.0
65°	137.4	143.7	141.5	139.8	102.2	103.5	96.9	100.1	93.5	87.8	89.9
66°	126.0	133.6	130.0	128.4	92.0	93.2	85.9	90.1	84.3	78.4	80.5
67°	115.4	123.1	120.2	118.1	82.7	83.4	77.4	80.4	74.6	69.5	71.9
68°	106.0	112.2	109.8	107.9	73.0	74.3	68.2	72.1	66.0	61.0	62.7
69°	96.7	102.1	100.3	98.5	64.1	65.5	60.7	62.9	58.4	52.8	55.1
70°	86.0	92.4	89.7	87.9	56.6	57.9	51.8	54.9	50.3	44.5	47.7
71°	76.6	83.5	80.6	78.7	49.3	49.7	44.3	47.2	42.8	37.9	39.7
72°	68.7	74.0	72.1	69.9	41.2	42.6	36.3	39.9	35.2	30.3	32.9
73°	60.7	65.0	62.4	61.6	34.0	35.7	30.7	33.0	28.6	24.7	26.6
74°	51.5	56.6	54.5	53.7	27.8	27.8	24.2	26.5	22.5	19.4	20.3
75°	44.2	49.9	47.8	45.6	21.6	22.8	19.1	20.7	17.3	14.4	15.6
76°	36.8	41.5	40.0	38.8	15.8	16.7	14.0	15.9	11.7	9.5	11.1
77°	30.6	34.8	32.6	32.2	10.8	12.3	9.7	11.2	8.3	5.3	6.7
78°	24.1	28.4	26.6	25.7	7.2	7.2	5.6	6.6	4.2	2.5	3.7
79°	18.6	22.9	20.9	19.1	2.8	4.4	2.5	3.8	2.1	1.1	1.5
80°	13.7	16.3	15.6	14.4	0.0	1.9	0.0	1.3	0.0	0.0	0.0
81°	9.7	11.5	10.5	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	5.6	7.6	6.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	2.9	4.9	3.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	2.1	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



TEST NUMBER: P851829
 CATALOG NUMBER: RLFRC6FSMBB-3500K

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: P851829
 CATALOG NUMBER: RLFRC6FSMBB-3500K

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: P851829
CATALOG NUMBER: RLFRC6FSMBB-3500K

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: P851829
 CATALOG NUMBER: RLFRC6FSMBB-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	536.2	536.2	536.2	536.2	536.2	536.2
1°	535.3	536.7	536.5	536.6	536.1	536.6
2°	534.8	536.6	536.4	536.7	536.4	537.0
3°	533.9	536.2	536.3	536.7	536.6	536.4
4°	532.7	535.7	535.8	536.4	536.1	536.1
5°	531.6	534.9	535.3	535.9	535.7	535.8
6°	529.8	533.9	534.3	535.0	535.4	535.0
7°	527.9	532.5	533.0	534.1	533.7	534.2
8°	525.7	531.1	531.8	532.8	532.3	533.5
9°	523.3	529.8	530.0	531.6	531.0	532.0
10°	520.9	527.9	528.3	530.1	529.2	530.4
11°	518.8	526.4	526.3	528.4	527.2	529.0
12°	516.0	524.3	524.1	526.6	525.4	526.1
13°	512.4	522.2	522.1	524.2	523.0	524.6
14°	509.2	519.1	519.8	521.3	520.6	522.2
15°	505.7	516.5	516.3	518.8	518.0	520.0
16°	501.7	513.5	513.4	515.9	515.0	516.9
17°	497.7	510.1	510.1	513.0	511.9	513.9
18°	493.6	506.6	507.1	509.7	508.6	510.7
19°	489.0	503.2	502.8	506.2	504.9	507.2
20°	484.7	499.1	499.3	502.3	501.2	503.4
21°	479.7	494.9	495.4	498.9	497.3	499.4
22°	474.9	490.9	491.2	494.3	493.2	495.7
23°	469.5	486.5	486.2	490.0	489.0	490.9
24°	464.1	481.7	482.2	485.9	484.2	486.5
25°	458.1	476.6	477.5	481.0	479.7	482.1
26°	453.1	471.7	471.9	476.2	474.2	477.3
27°	446.7	466.8	466.9	470.8	469.2	471.9
28°	441.0	461.2	461.4	465.6	463.9	467.0
29°	434.4	455.2	456.0	460.3	457.8	461.4
30°	427.6	449.1	450.1	454.4	451.9	456.0
31°	421.2	443.8	444.0	449.0	446.4	449.9
32°	414.9	436.8	437.6	442.7	440.3	443.6
33°	407.0	430.8	431.0	436.3	433.8	437.6
34°	400.1	424.2	424.4	430.2	427.8	430.7
35°	392.4	417.9	417.9	422.9	421.0	423.8
36°	384.9	410.1	410.9	416.1	413.3	417.5
37°	377.2	403.5	403.3	409.1	406.3	409.9
38°	369.2	396.1	396.1	402.4	399.6	402.6
39°	361.2	388.3	389.1	394.4	391.7	396.0
40°	353.0	380.8	381.5	386.7	383.8	388.2
41°	345.1	372.8	373.1	379.1	376.2	380.2
42°	336.0	365.4	365.1	371.4	368.1	372.0
43°	328.4	357.0	357.8	362.6	360.6	364.5
44°	320.0	348.9	348.6	355.0	351.8	356.4



TEST NUMBER: P851829
 CATALOG NUMBER: RLFRC6FSMBB-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	310.6	340.9	340.2	347.0	343.7	348.1
46°	301.7	332.5	331.9	338.3	334.7	339.6
47°	291.5	323.3	323.3	329.8	326.1	331.2
48°	281.3	314.5	313.8	321.3	317.2	322.9
49°	270.3	306.3	305.2	312.4	308.5	313.0
50°	259.7	296.9	295.8	302.7	300.1	304.5
51°	248.4	286.5	285.1	293.2	288.9	295.1
52°	236.9	276.3	274.7	283.3	278.7	285.6
53°	224.6	266.1	264.4	272.9	268.4	273.5
54°	213.7	253.7	253.1	260.9	257.3	263.1
55°	202.3	242.8	241.0	249.8	244.9	252.5
56°	190.4	231.8	229.8	238.7	234.1	241.1
57°	178.4	219.4	218.2	226.9	222.6	228.7
58°	167.6	207.8	206.6	215.3	210.7	217.2
59°	155.5	196.7	195.1	204.4	198.8	205.0
60°	143.9	185.4	183.8	192.1	187.6	193.9
61°	134.0	173.2	172.4	180.4	176.5	182.5
62°	123.6	162.4	160.0	169.2	164.4	170.9
63°	112.8	151.3	149.1	157.9	152.9	159.4
64°	102.8	140.3	138.7	145.8	142.5	148.6
65°	92.1	129.0	128.7	135.3	131.4	137.4
66°	82.9	118.2	116.9	125.1	120.4	126.0
67°	74.4	109.4	107.1	115.0	110.8	115.4
68°	65.3	98.9	98.0	104.1	100.4	106.0
69°	55.9	88.6	87.8	94.5	90.0	96.7
70°	48.6	80.0	77.8	85.4	80.9	86.0
71°	40.6	70.6	69.2	76.3	72.2	76.6
72°	34.0	62.3	59.8	66.1	62.6	68.7
73°	27.3	53.9	51.7	58.2	54.7	60.7
74°	22.3	46.7	44.9	51.0	47.7	51.5
75°	16.1	39.4	37.9	42.7	39.8	44.2
76°	11.2	31.7	30.9	36.1	33.5	36.8
77°	7.0	25.4	25.0	29.8	26.8	30.6
78°	4.0	19.8	18.7	22.9	20.7	24.1
79°	1.3	14.3	13.8	17.8	15.6	18.6
80°	0.0	9.2	9.2	12.7	10.4	13.7
81°	0.0	5.8	4.9	8.3	6.9	9.7
82°	0.0	2.6	2.8	4.9	3.8	5.6
83°	0.0	0.0	0.0	2.5	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: P851829
 CATALOG NUMBER: RLFRC6FSMBB-3500K

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: P851829
 CATALOG NUMBER: RLFRC6FSMBB-3500K

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: P851829
CATALOG NUMBER: RLFRC6FSMBB-3500K

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)