

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: P851823

Luminaire Tested: RLFRC6FS-3000K

Issue Date: 7/3/2024

**Test Information**

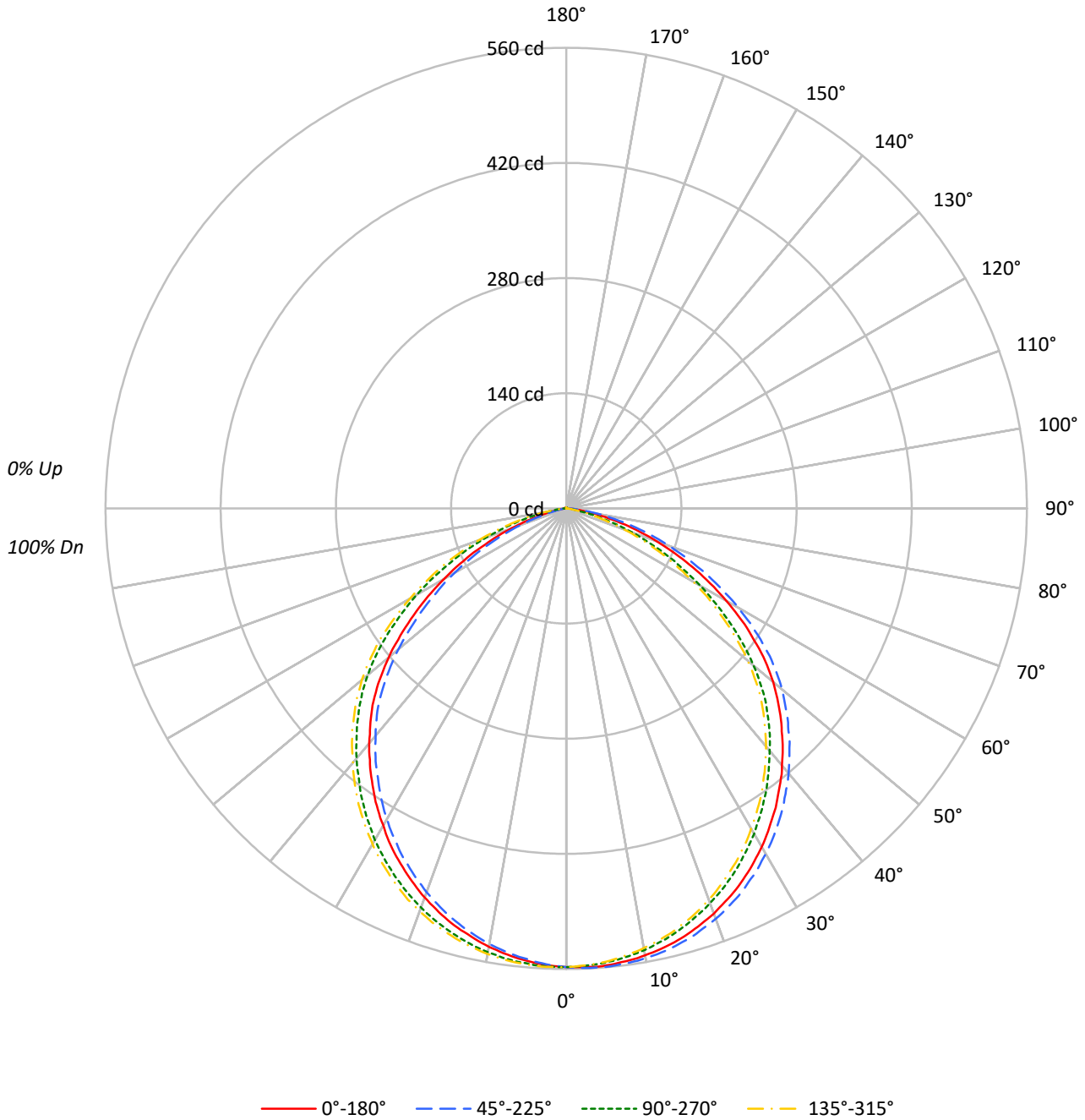
Test Method: LM-79-2019  
Report Number: P851823  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( UTC2404001E-C1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: RLFRC6FS-3000K  
Description: 6" Fire Rated Canless, 3000K CCT 1100lms,WH  
Light Source: -  
Ballast/Driver:

**Summary**

Lumens per Lamp: 1404.8 (1 lamp)  
Luminaire Lumens: 1400.0 lumens  
Efficiency: 99.7%  
Efficacy: 106.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.34  
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: P851823  
CATALOG NUMBER: RLFR6FS-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P851823  
 CATALOG NUMBER: RLFRC6FS-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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	87	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	56	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	33	28	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	70186	70186	70186	70186
5°	70467	70000	69734	70126
10°	70515	69710	69161	70004
15°	70487	69158	68389	69666
20°	70231	68396	67405	69146
25°	69749	67528	66139	68486
30°	69085	66367	64667	67617
35°	68198	64941	63051	66431
40°	67061	63184	61213	65139
45°	65852	61385	58982	63610
50°	64277	58168	55075	61634
55°	61150	53449	49675	57991
60°	56582	47521	43116	52756
65°	50505	40320	35407	45978
70°	43162	31203	26052	38268
75°	33891	20033	15609	27862
80°	22539	8987	7102	15944
85°	12996	4332	2888	9241

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 68023 cd/sqm



TEST NUMBER: P851823  
 CATALOG NUMBER: RLFRC6FS-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	52.7	3.8	3.8
10°-20°	150.3	10.7	10.7
20°-30°	225.5	16.1	16.0
30°-40°	267.2	19.1	19.0
40°-50°	270.0	19.3	19.2
50°-60°	226.0	16.1	16.1
60°-70°	143.9	10.3	10.2
70°-80°	56.2	4.0	4.0
80°-90°	8.2	0.6	0.6
90°-100°	0.1	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°	428.4	30.6	30.5
0°-40°	695.6	49.7	49.5
0°-60°	1191.6	85.1	84.8
0°-90°	1399.8	100.0	99.6
90°-120°	0.1	0.0	0.0
90°-150°	0.2	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	1400.0	100.0	99.7

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	558	558	558	558	558	
5°	558	554	552	555	558	53
15°	541	531	525	535	541	153
25°	502	486	476	493	502	231
35°	444	423	410	432	444	277
45°	370	345	331	357	370	285
55°	279	244	226	264	279	249
65°	170	135	119	154	170	168
75°	70	41	32	57	70	75
85°	9	3	2	6	9	12
90°	2	0	0	0	2	1
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	1	0	0
175°	1	0	0	0	1	0
180°	0	0	0	0	0	0



TEST NUMBER: P851823  
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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7	557.7
1°	557.9	558.4	558.3	558.5	557.4	557.5	557.1	557.5	556.8	557.0	556.6
2°	558.1	559.0	558.9	559.1	556.8	557.0	556.3	556.4	556.3	555.7	555.5
3°	558.3	558.9	559.5	559.5	556.1	556.3	555.6	555.1	554.9	554.3	553.9
4°	558.4	558.9	559.5	559.6	555.3	555.1	554.5	553.7	553.7	553.1	552.3
5°	557.8	558.8	559.6	559.3	554.1	553.9	553.3	552.1	552.0	551.3	549.9
6°	557.1	558.4	558.9	559.1	553.0	552.5	551.4	550.2	550.4	549.5	548.1
7°	555.7	557.2	558.2	558.0	551.2	551.4	549.8	548.2	548.3	547.1	545.9
8°	554.7	556.5	557.5	557.4	549.6	549.7	547.1	546.3	546.2	544.7	543.2
9°	553.5	555.3	556.7	556.7	547.5	547.0	545.4	543.9	543.6	542.4	540.6
10°	551.8	553.4	555.3	555.6	545.5	544.4	542.9	540.9	541.2	539.1	537.8
11°	549.9	552.0	553.9	553.9	542.9	542.5	540.0	538.3	538.1	536.6	534.4
12°	548.0	550.1	552.4	551.9	540.0	539.9	537.6	535.5	535.1	533.6	530.9
13°	545.8	548.3	550.6	550.1	537.4	537.0	534.1	531.8	531.5	529.7	527.4
14°	543.5	545.7	548.5	547.9	534.2	534.0	531.2	527.9	528.5	525.9	523.7
15°	541.0	543.0	545.8	545.6	530.8	530.6	527.2	524.6	524.9	522.3	519.6
16°	537.9	540.4	543.5	543.0	527.1	526.9	523.5	520.8	520.9	518.4	515.2
17°	534.6	537.7	540.8	540.3	523.3	523.5	519.7	515.9	517.0	513.8	511.0
18°	531.2	534.8	537.3	537.0	519.3	519.5	515.5	512.1	512.1	509.1	506.1
19°	527.7	531.3	534.2	533.7	515.4	515.0	510.9	507.2	507.9	504.9	501.3
20°	524.4	527.4	531.1	530.4	510.7	510.8	506.4	502.3	503.3	500.1	496.5
21°	519.9	523.6	527.6	526.6	506.3	506.0	501.9	497.8	498.5	494.3	490.8
22°	515.7	519.5	523.3	523.4	501.9	501.2	496.5	492.3	493.0	489.3	485.6
23°	511.7	515.6	519.5	518.7	496.9	496.9	491.1	487.4	487.8	484.0	479.9
24°	507.2	510.9	515.3	514.4	491.5	491.1	485.4	481.6	482.3	478.4	474.0
25°	502.3	506.3	510.8	509.9	486.3	485.6	480.4	475.8	476.3	472.3	468.7
26°	497.2	501.3	505.5	505.3	480.7	480.3	475.0	470.1	470.9	466.7	462.6
27°	492.1	496.7	501.0	500.7	474.6	474.2	468.5	464.2	464.9	460.7	455.2
28°	486.4	490.6	496.3	495.2	468.8	468.3	463.0	457.9	458.8	453.8	449.5
29°	480.8	486.1	490.1	490.4	462.8	462.3	456.5	451.2	452.1	447.2	442.9
30°	475.4	480.4	485.0	484.2	456.7	456.2	449.7	444.4	445.0	440.2	435.5
31°	469.4	473.9	479.4	478.5	449.6	449.4	443.2	437.9	438.8	433.2	429.6
32°	463.1	468.0	473.6	472.9	443.3	442.5	436.5	430.7	432.0	426.9	421.9
33°	456.5	462.1	467.2	467.1	436.5	436.1	429.7	424.0	425.3	419.8	414.8
34°	450.1	456.1	461.2	461.0	429.4	429.2	423.0	416.9	417.8	412.5	407.2
35°	443.9	449.1	454.8	453.9	422.7	422.1	415.8	409.3	410.4	405.0	399.3
36°	436.8	442.3	448.6	447.4	415.5	415.2	408.0	402.0	403.1	397.2	392.1
37°	429.6	435.1	441.1	441.2	407.6	407.7	400.7	394.3	396.0	390.3	385.0
38°	422.7	428.6	434.3	433.4	400.2	399.9	392.8	387.2	387.8	382.3	376.8
39°	416.1	420.9	427.9	426.8	392.6	393.0	385.4	379.1	380.4	374.9	368.5
40°	408.2	414.0	420.6	419.8	384.6	384.9	377.9	371.3	372.6	366.4	360.6
41°	400.6	406.8	412.9	412.2	377.4	377.5	369.9	363.1	363.9	358.9	352.9
42°	393.3	398.6	405.4	405.0	369.8	369.1	361.5	354.9	356.3	350.3	344.6
43°	385.5	391.2	397.8	397.6	361.6	360.5	353.3	347.1	347.8	341.8	336.5
44°	377.1	383.6	390.9	390.2	353.0	352.9	345.0	338.6	340.1	333.6	327.4



TEST NUMBER: P851823  
 CATALOG NUMBER: RLFRC6FS-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	370.0	376.2	381.9	382.2	344.9	344.1	336.3	329.6	331.4	324.9	317.4
46°	362.0	367.6	374.8	374.2	336.8	336.2	328.1	319.9	321.9	315.5	308.0
47°	353.3	359.8	366.9	366.3	327.5	326.8	318.6	310.5	312.5	304.9	297.5
48°	345.3	351.8	358.4	357.7	317.3	317.4	307.9	300.5	301.7	295.0	287.4
49°	336.8	343.0	350.3	349.9	307.6	307.8	298.6	289.6	292.3	285.0	277.4
50°	328.3	334.1	342.4	341.4	297.1	296.7	287.5	279.6	281.3	273.5	266.4
51°	319.0	326.0	333.9	333.0	287.0	287.4	277.8	269.1	271.3	262.7	255.0
52°	309.7	316.8	324.5	324.4	276.9	276.9	266.5	257.5	259.3	252.6	243.8
53°	300.0	306.7	315.2	314.4	265.4	265.4	255.2	246.5	249.1	240.6	232.2
54°	289.8	296.8	305.8	304.4	254.7	254.6	244.7	234.7	237.4	229.4	222.4
55°	278.7	286.6	295.0	294.5	243.6	243.7	233.1	224.0	226.4	218.8	210.9
56°	268.4	276.5	284.9	283.0	232.0	232.3	221.6	214.1	215.4	208.2	199.7
57°	258.6	265.0	274.1	273.2	221.3	220.6	211.5	202.5	204.5	197.3	188.5
58°	246.5	254.6	264.1	262.7	210.3	210.0	201.1	191.4	193.8	185.3	178.7
59°	235.6	244.1	252.1	251.6	199.6	200.0	188.9	180.1	183.0	174.8	167.4
60°	224.8	232.0	241.4	240.3	188.8	188.7	178.6	169.0	171.3	163.9	156.4
61°	213.9	221.0	230.9	229.4	177.7	177.0	166.7	158.2	161.0	153.6	146.7
62°	203.3	210.1	218.8	218.8	166.3	166.5	156.2	148.7	150.9	142.8	135.1
63°	191.4	199.9	208.1	207.6	155.5	155.2	145.7	137.4	139.5	132.3	124.7
64°	181.3	188.4	197.0	195.9	146.4	146.1	135.5	126.7	129.9	121.8	115.4
65°	169.6	177.7	187.0	185.4	135.4	134.6	125.5	116.3	118.9	111.9	104.5
66°	159.1	167.5	174.9	174.7	124.8	124.8	114.0	105.8	108.1	101.1	94.6
67°	148.6	155.6	164.7	163.1	114.1	113.1	105.1	96.8	99.1	92.4	85.6
68°	138.4	144.8	154.2	152.9	103.7	104.1	94.5	86.7	89.1	83.3	76.1
69°	127.2	135.4	143.5	142.4	94.6	93.7	85.7	78.1	80.5	73.6	67.5
70°	117.3	125.0	132.6	131.8	84.8	85.0	76.4	69.3	70.8	64.3	58.1
71°	107.7	115.6	123.4	121.0	75.9	75.6	67.5	59.2	61.6	55.8	50.2
72°	97.7	104.4	113.2	111.5	67.3	66.4	57.8	51.7	54.0	48.2	43.2
73°	88.5	95.2	103.4	101.3	57.1	57.9	49.5	43.6	45.8	40.5	36.0
74°	78.8	85.8	92.9	91.3	48.7	49.9	42.1	37.9	38.4	34.0	29.2
75°	69.7	76.2	83.6	81.6	41.2	41.6	35.8	29.9	32.1	27.8	23.2
76°	60.1	67.2	74.5	73.0	33.9	35.0	29.2	24.4	25.8	21.6	18.0
77°	52.2	58.6	64.9	64.6	27.6	28.1	22.9	18.6	20.6	17.4	14.0
78°	44.6	51.0	56.7	55.1	21.0	22.2	17.9	14.7	15.5	12.7	10.5
79°	37.8	42.7	49.3	47.6	15.8	17.1	13.4	11.5	11.9	9.7	8.3
80°	31.1	36.2	42.1	40.5	12.4	12.9	10.5	8.4	9.8	7.8	5.9
81°	24.6	29.9	34.4	33.4	9.1	9.0	7.4	7.7	8.1	6.5	5.8
82°	19.5	24.2	28.2	27.2	6.4	8.1	6.1	5.9	6.4	4.0	3.8
83°	15.5	18.4	22.8	21.0	6.2	6.9	5.5	4.3	4.7	3.7	2.9
84°	11.6	13.6	17.0	15.9	5.0	5.3	3.9	2.9	3.8	2.9	2.0
85°	9.0	10.3	13.4	12.3	3.0	4.0	2.4	2.3	2.0	1.2	0.0
86°	7.5	8.0	9.9	9.3	2.5	2.8	2.1	1.6	1.0	0.0	0.0
87°	6.0	6.8	8.1	7.1	1.2	1.7	0.0	0.0	0.0	0.0	0.0
88°	4.4	5.8	5.5	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89°	3.2	4.3	4.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P851823  
 CATALOG NUMBER: RLFRC6FS-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	2.4	3.1	3.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	1.5	2.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	2.0	1.1	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	1.0	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: P851823  
 CATALOG NUMBER: RLFR6FS-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	1.1	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	1.0
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	1.1	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	0.9	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	1.2	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	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	1.0	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	1.0	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	1.3	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°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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	1.0	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: P851823  
CATALOG NUMBER: RLFRC6FS-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: P851823  
 CATALOG NUMBER: RLFRC6FS-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	557.7	557.7	557.7	557.7	557.7	557.7
1°	556.9	557.7	557.5	558.0	558.5	557.9
2°	555.8	557.5	557.7	557.9	558.6	558.1
3°	554.1	557.0	557.0	557.9	558.8	558.3
4°	552.8	556.5	556.1	557.3	558.4	558.4
5°	550.9	555.1	555.4	556.4	558.0	557.8
6°	548.9	554.4	554.2	555.7	556.8	557.1
7°	546.4	553.0	553.1	554.8	556.8	555.7
8°	543.9	551.8	551.6	553.3	555.5	554.7
9°	541.5	549.5	549.8	551.7	553.9	553.5
10°	537.8	547.8	548.2	550.1	552.4	551.8
11°	534.8	545.7	546.0	548.0	550.7	549.9
12°	531.8	543.2	543.5	545.9	549.0	548.0
13°	528.1	540.5	540.8	543.5	546.5	545.8
14°	524.3	537.7	538.2	541.1	544.1	543.5
15°	520.3	534.7	534.9	538.1	541.4	541.0
16°	516.2	531.4	531.9	534.9	539.2	537.9
17°	511.8	527.9	528.3	531.9	535.9	534.6
18°	507.1	524.2	524.7	528.8	532.4	531.2
19°	502.6	520.5	520.5	524.8	528.9	527.7
20°	496.9	516.3	516.5	521.1	525.2	524.4
21°	491.9	511.9	512.5	516.8	521.2	519.9
22°	486.9	507.6	507.9	513.1	516.9	515.7
23°	480.9	503.0	503.0	508.1	513.1	511.7
24°	475.1	497.7	498.6	503.5	508.3	507.2
25°	469.8	493.2	493.5	498.8	503.2	502.3
26°	463.3	487.3	488.1	493.3	498.6	497.2
27°	456.9	482.5	482.3	488.0	493.6	492.1
28°	450.6	476.5	477.0	482.6	487.8	486.4
29°	443.5	471.2	470.9	477.3	482.4	480.8
30°	437.1	465.3	465.4	471.0	476.9	475.4
31°	430.6	458.4	459.5	464.9	471.1	469.4
32°	423.1	452.2	452.6	459.2	465.2	463.1
33°	415.6	445.9	446.5	452.3	458.8	456.5
34°	408.6	439.0	439.6	446.1	452.4	450.1
35°	401.6	432.4	432.0	439.7	445.3	443.9
36°	393.3	425.6	425.6	432.8	438.5	436.8
37°	386.7	417.7	418.9	425.6	432.1	429.6
38°	378.0	410.6	410.9	418.5	425.3	422.7
39°	370.9	403.9	404.2	411.4	418.1	416.1
40°	362.6	396.5	396.8	403.5	410.5	408.2
41°	354.0	389.2	389.4	396.2	403.3	400.6
42°	346.3	380.8	381.9	389.2	396.4	393.3
43°	337.7	373.4	373.6	381.6	388.7	385.5
44°	328.8	365.8	366.2	374.3	380.0	377.1



TEST NUMBER: P851823  
 CATALOG NUMBER: RLFR6FS-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	319.7	357.4	357.7	365.8	372.5	370.0
46°	309.6	349.9	349.7	357.6	364.5	362.0
47°	299.8	341.3	342.0	350.1	356.4	353.3
48°	289.5	333.5	333.4	341.7	348.7	345.3
49°	279.4	323.9	324.8	332.5	340.3	336.8
50°	268.9	314.8	314.8	324.0	331.8	328.3
51°	256.9	305.6	305.7	315.0	322.7	319.0
52°	245.9	295.4	295.8	304.9	313.0	309.7
53°	234.9	284.9	285.9	294.9	303.5	300.0
54°	224.7	274.5	274.8	285.1	292.8	289.8
55°	213.2	264.3	264.2	274.7	282.7	278.7
56°	201.9	252.5	253.9	263.2	272.1	268.4
57°	191.5	242.2	242.1	252.6	261.7	258.6
58°	180.1	231.0	231.4	241.2	250.0	246.5
59°	170.2	220.5	220.6	230.1	240.0	235.6
60°	158.9	209.6	209.8	219.1	228.8	224.8
61°	148.4	198.1	198.5	208.7	218.1	213.9
62°	136.7	187.3	188.1	197.2	206.4	203.3
63°	126.9	175.8	176.9	186.6	195.5	191.4
64°	116.0	165.5	165.7	176.2	185.0	181.3
65°	106.8	154.4	154.9	165.6	173.5	169.6
66°	96.8	144.7	144.8	154.8	162.8	159.1
67°	87.5	133.8	133.8	143.7	152.5	148.6
68°	78.3	123.4	123.4	133.6	142.5	138.4
69°	69.1	113.2	113.0	123.6	131.2	127.2
70°	59.6	104.0	103.3	112.5	120.8	117.3
71°	51.8	93.1	94.0	103.1	110.4	107.7
72°	44.5	84.7	84.1	93.1	100.3	97.7
73°	37.6	74.9	75.2	83.9	90.9	88.5
74°	30.1	65.6	66.7	73.4	81.7	78.8
75°	24.2	57.3	57.9	65.1	72.5	69.7
76°	18.9	49.6	48.9	56.7	63.0	60.1
77°	14.2	41.8	41.7	49.2	54.8	52.2
78°	11.0	35.3	34.8	40.5	47.4	44.6
79°	9.3	27.7	27.8	34.0	39.4	37.8
80°	6.8	22.0	21.9	27.4	32.7	31.1
81°	5.4	16.7	17.2	21.3	25.6	24.6
82°	4.4	12.5	13.5	16.7	20.9	19.5
83°	2.7	9.1	10.1	12.9	16.3	15.5
84°	1.6	7.9	7.7	9.8	12.0	11.6
85°	0.0	6.4	6.7	7.8	9.5	9.0
86°	0.0	4.5	5.5	6.3	7.7	7.5
87°	0.0	3.9	3.8	5.2	6.5	6.0
88°	0.0	2.5	2.8	4.1	4.9	4.4
89°	0.0	1.4	1.6	2.8	4.0	3.2



TEST NUMBER: P851823  
 CATALOG NUMBER: RLFRC6FS-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	1.4	3.0	2.4
91°	0.0	0.0	0.0	0.0	1.4	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: P851823  
 CATALOG NUMBER: RLFRC6FS-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°	1.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.9	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	1.0	0.0	0.0
160°	0.0	0.0	1.0	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	1.0
165°	0.0	0.9	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°	1.0	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	0.9	0.0	0.0	0.0	0.0
172°	1.1	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	1.0
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: P851823  
CATALOG NUMBER: RLFRC6FS-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)