

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: P851822

Luminaire Tested: RLFRC6FS-2700K

Issue Date: 7/3/2024

Test Information

Test Method: LM-79-2019
Report Number: P851822
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-2700K
Description: 6" Fire Rated Canless, 2700K CCT 1100lms,WH
Light Source: -
Ballast/Driver:

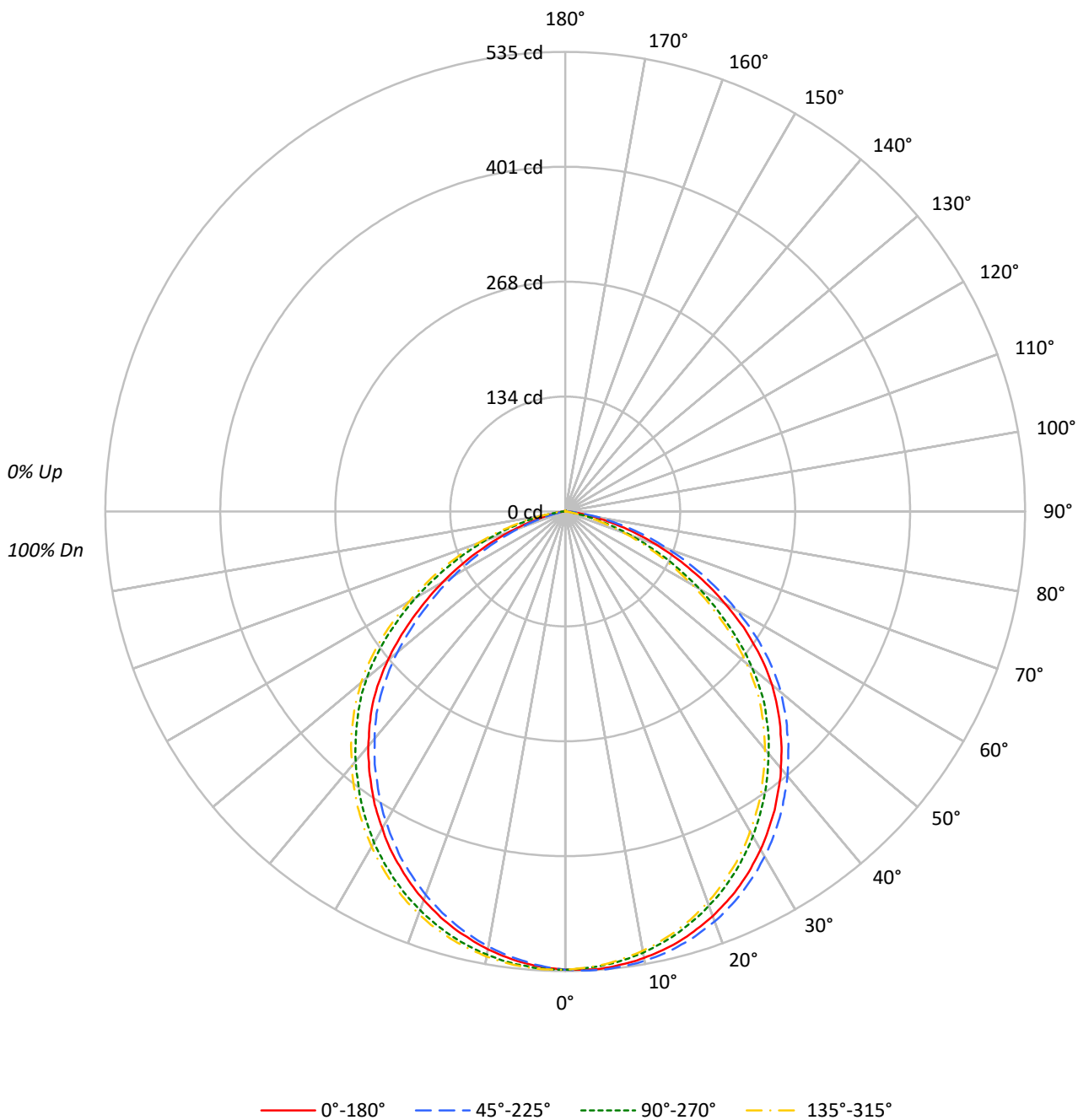
Summary

Lumens per Lamp: 1404.8 (1 lamp)
Luminaire Lumens: 1339.0 lumens
Efficiency: 95.3%
Efficacy: 102.2 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): 13.1
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: P851822
CATALOG NUMBER: RLFR66FS-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P851822
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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	50	30	10	0
RCR																					
0	113	113	113	113	111	111	111	111	106	106	106	101	101	101	97	97	97	97	97	97	95
1	105	101	97	94	102	99	95	92	95	92	89	91	89	87	88	86	84	88	86	84	82
2	96	89	83	78	94	87	81	77	84	79	75	81	77	73	78	75	72	78	75	72	70
3	88	79	71	65	86	77	70	65	74	68	64	72	67	63	69	65	62	69	65	62	60
4	81	70	62	56	79	69	61	56	66	60	55	64	59	54	62	57	53	62	57	53	51
5	74	63	54	48	72	62	54	48	60	53	48	58	52	47	56	51	47	56	51	47	45
6	69	57	48	42	67	56	48	42	54	47	42	52	46	42	51	45	41	51	45	41	39
7	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	47	41	37	35
8	59	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	43	37	33	31
9	56	43	36	30	54	43	35	30	41	35	30	40	34	30	40	34	30	40	34	30	28
10	52	40	32	28	51	39	32	27	38	32	27	38	32	27	37	31	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	67128	67128	67128	67128
5°	67397	66943	66703	67069
10°	67435	66681	66158	66950
15°	67412	66148	65405	66630
20°	67178	65423	64472	66133
25°	66708	64584	63265	65500
30°	66076	63475	61848	64681
35°	65233	62099	60301	63528
40°	64137	60441	58551	62297
45°	62969	58715	56419	60833
50°	61477	55623	52667	58952
55°	58495	51123	47525	55467
60°	54115	45457	41254	50466
65°	48301	38563	33858	43983
70°	41285	29842	24911	36612
75°	32384	19158	14928	26646
80°	21597	8624	6813	15220
85°	12418	4043	2744	8808

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 65051 cd/sqm



TEST NUMBER: P851822
 CATALOG NUMBER: RLFRC6FS-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	50.4	3.8	3.6
10°-20°	143.7	10.7	10.2
20°-30°	215.6	16.1	15.3
30°-40°	255.6	19.1	18.2
40°-50°	258.2	19.3	18.4
50°-60°	216.2	16.1	15.4
60°-70°	137.6	10.3	9.8
70°-80°	53.7	4.0	3.8
80°-90°	7.8	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°	409.8	30.6	29.2
0°-40°	665.3	49.7	47.4
0°-60°	1139.7	85.1	81.1
0°-90°	1338.8	100.0	95.3
90°-120°	0.1	0.0	0.0
90°-150°	0.1	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	1339.0	100.0	95.3

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	533	533	533	533	533	
5°	534	530	528	531	534	51
15°	517	508	502	511	517	146
25°	480	465	456	472	480	221
35°	425	404	392	414	425	265
45°	354	330	317	342	354	273
55°	267	233	217	253	267	238
65°	162	130	114	148	162	161
75°	67	39	31	55	67	72
85°	9	3	2	6	9	11
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	



TEST NUMBER: P851822
 CATALOG NUMBER: RLFRC6FS-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	533.4	533.4	533.4	533.4	533.4	533.4	533.4	533.4	533.4	533.4	533.4
1°	533.6	534.0	534.0	534.1	533.2	533.2	532.8	533.2	532.5	532.7	532.3
2°	533.8	534.7	534.6	534.7	532.5	532.7	532.0	532.1	532.0	531.5	531.3
3°	534.0	534.6	535.1	535.1	531.8	532.0	531.4	531.0	530.7	530.2	529.8
4°	534.1	534.5	535.1	535.2	531.1	530.9	530.3	529.6	529.6	529.0	528.3
5°	533.5	534.4	535.2	534.9	529.9	529.7	529.2	528.1	528.0	527.2	526.0
6°	532.8	534.0	534.6	534.7	528.9	528.4	527.4	526.2	526.4	525.6	524.2
7°	531.5	532.9	533.8	533.7	527.2	527.4	525.9	524.3	524.4	523.2	522.2
8°	530.6	532.3	533.2	533.2	525.6	525.8	523.2	522.5	522.4	520.9	519.6
9°	529.4	531.1	532.5	532.5	523.6	523.2	521.7	520.2	519.9	518.8	517.1
10°	527.7	529.3	531.1	531.4	521.8	520.7	519.3	517.3	517.7	515.6	514.4
11°	526.0	528.0	529.7	529.7	519.2	518.8	516.5	514.9	514.7	513.2	511.2
12°	524.1	526.2	528.3	527.9	516.5	516.4	514.2	512.2	511.8	510.4	507.8
13°	522.0	524.4	526.6	526.1	513.9	513.6	510.8	508.6	508.3	506.6	504.5
14°	519.8	521.9	524.6	524.1	510.9	510.8	508.0	504.9	505.5	503.0	500.9
15°	517.4	519.4	522.0	521.8	507.7	507.5	504.3	501.7	502.0	499.5	496.9
16°	514.4	516.9	519.8	519.3	504.1	503.9	500.7	498.1	498.2	495.8	492.8
17°	511.3	514.3	517.3	516.8	500.5	500.7	497.1	493.4	494.5	491.4	488.7
18°	508.0	511.5	513.9	513.6	496.7	496.9	493.1	489.7	489.8	486.9	484.0
19°	504.7	508.1	510.9	510.4	493.0	492.5	488.6	485.1	485.7	482.9	479.4
20°	501.6	504.4	507.9	507.3	488.5	488.6	484.4	480.4	481.4	478.3	474.8
21°	497.3	500.8	504.6	503.6	484.3	483.9	480.0	476.1	476.8	472.8	469.5
22°	493.3	496.9	500.5	500.6	480.1	479.4	474.9	470.8	471.5	468.0	464.5
23°	489.4	493.1	496.9	496.1	475.2	475.3	469.7	466.1	466.6	462.9	459.0
24°	485.1	488.6	492.9	491.9	470.1	469.7	464.2	460.6	461.3	457.6	453.4
25°	480.4	484.2	488.5	487.7	465.1	464.4	459.4	455.1	455.6	451.7	448.3
26°	475.6	479.4	483.4	483.3	459.7	459.4	454.3	449.6	450.4	446.3	442.4
27°	470.7	475.1	479.1	478.9	453.9	453.5	448.1	444.0	444.7	440.6	435.4
28°	465.2	469.2	474.7	473.6	448.4	447.9	442.8	438.0	438.8	434.0	429.9
29°	459.9	464.9	468.8	469.0	442.6	442.1	436.6	431.6	432.4	427.7	423.6
30°	454.7	459.4	463.9	463.1	436.8	436.4	430.1	425.0	425.6	421.1	416.5
31°	449.0	453.3	458.5	457.7	430.0	429.8	423.9	418.8	419.6	414.3	410.9
32°	442.9	447.6	453.0	452.3	424.0	423.2	417.5	412.0	413.2	408.3	403.5
33°	436.6	442.0	446.9	446.7	417.5	417.1	411.0	405.5	406.8	401.5	396.8
34°	430.5	436.2	441.1	440.9	410.7	410.5	404.6	398.7	399.6	394.6	389.5
35°	424.6	429.5	435.0	434.2	404.2	403.7	397.7	391.5	392.5	387.4	381.9
36°	417.8	423.0	429.1	427.9	397.4	397.2	390.2	384.5	385.5	379.9	375.0
37°	410.9	416.2	421.9	422.0	389.9	390.0	383.2	377.1	378.7	373.3	368.3
38°	404.3	409.9	415.4	414.5	382.8	382.5	375.7	370.3	370.9	365.7	360.4
39°	397.9	402.6	409.3	408.2	375.4	375.9	368.6	362.5	363.9	358.6	352.4
40°	390.4	396.0	402.2	401.5	367.9	368.1	361.5	355.1	356.4	350.5	344.9
41°	383.1	389.0	394.9	394.3	361.0	361.0	353.8	347.3	348.0	343.2	337.5
42°	376.2	381.2	387.8	387.3	353.7	353.1	345.8	339.4	340.8	335.0	329.6
43°	368.7	374.1	380.5	380.3	345.9	344.8	337.9	332.0	332.7	326.9	321.8
44°	360.7	366.9	373.9	373.2	337.6	337.6	329.9	323.9	325.3	319.0	313.1



TEST NUMBER: P851822
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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	353.8	359.8	365.3	365.5	329.9	329.1	321.7	315.2	317.0	310.8	303.6
46°	346.3	351.6	358.5	357.9	322.1	321.5	313.8	305.9	307.8	301.7	294.6
47°	337.9	344.2	351.0	350.3	313.2	312.6	304.7	296.9	298.9	291.6	284.5
48°	330.3	336.5	342.8	342.1	303.5	303.6	294.5	287.4	288.5	282.2	274.9
49°	322.1	328.0	335.0	334.6	294.2	294.4	285.6	277.0	279.5	272.6	265.3
50°	314.0	319.5	327.5	326.5	284.1	283.8	274.9	267.4	269.0	261.6	254.8
51°	305.1	311.8	319.4	318.5	274.5	274.9	265.7	257.4	259.5	251.3	243.9
52°	296.2	303.0	310.4	310.3	264.9	264.9	254.9	246.3	248.0	241.6	233.2
53°	286.9	293.4	301.4	300.7	253.8	253.8	244.1	235.8	238.3	230.1	222.1
54°	277.1	283.9	292.5	291.2	243.6	243.5	234.0	224.5	227.0	219.4	212.7
55°	266.6	274.1	282.2	281.6	233.0	233.1	222.9	214.2	216.6	209.2	201.7
56°	256.7	264.5	272.5	270.7	221.9	222.2	211.9	204.8	206.0	199.1	191.0
57°	247.4	253.4	262.2	261.3	211.7	211.0	202.3	193.7	195.6	188.7	180.3
58°	235.8	243.5	252.6	251.3	201.1	200.8	192.3	183.1	185.3	177.3	170.9
59°	225.3	233.5	241.2	240.6	190.9	191.3	180.7	172.2	175.0	167.2	160.1
60°	215.0	221.9	230.9	229.8	180.6	180.5	170.8	161.7	163.9	156.8	149.6
61°	204.5	211.4	220.8	219.4	169.9	169.2	159.4	151.3	154.0	146.9	140.3
62°	194.4	200.9	209.3	209.3	159.0	159.3	149.4	142.3	144.3	136.6	129.2
63°	183.1	191.2	199.0	198.6	148.7	148.4	139.4	131.4	133.5	126.5	119.3
64°	173.4	180.2	188.4	187.4	140.0	139.8	129.6	121.2	124.2	116.5	110.3
65°	162.2	170.0	178.8	177.3	129.5	128.7	120.0	111.2	113.7	107.0	100.0
66°	152.1	160.2	167.3	167.1	119.4	119.4	109.1	101.2	103.4	96.7	90.5
67°	142.1	148.8	157.5	156.0	109.2	108.2	100.5	92.6	94.8	88.4	81.9
68°	132.4	138.5	147.5	146.2	99.2	99.5	90.4	82.9	85.2	79.7	72.8
69°	121.7	129.5	137.3	136.1	90.5	89.7	82.0	74.7	77.0	70.4	64.5
70°	112.2	119.5	126.8	126.1	81.1	81.3	73.1	66.2	67.7	61.5	55.6
71°	103.0	110.6	118.0	115.8	72.6	72.3	64.5	56.6	59.0	53.3	48.0
72°	93.5	99.9	108.3	106.7	64.4	63.5	55.2	49.4	51.6	46.1	41.3
73°	84.6	91.1	98.9	96.9	54.6	55.4	47.4	41.7	43.8	38.7	34.4
74°	75.4	82.0	88.9	87.4	46.6	47.7	40.3	36.3	36.8	32.5	28.0
75°	66.6	72.9	79.9	78.0	39.4	39.8	34.2	28.6	30.7	26.6	22.2
76°	57.4	64.2	71.3	69.8	32.4	33.5	27.9	23.4	24.7	20.7	17.2
77°	50.0	56.1	62.1	61.8	26.4	26.9	21.9	17.8	19.7	16.6	13.4
78°	42.6	48.8	54.3	52.7	20.1	21.2	17.1	14.0	14.9	12.2	10.0
79°	36.2	40.9	47.1	45.6	15.1	16.4	12.8	11.0	11.4	9.2	7.9
80°	29.8	34.6	40.2	38.7	11.9	12.4	10.0	8.0	9.4	7.4	5.7
81°	23.5	28.6	32.9	32.0	8.7	8.6	7.1	7.4	7.7	6.2	5.6
82°	18.6	23.2	27.0	26.0	6.1	7.7	5.8	5.6	6.1	3.8	3.7
83°	14.9	17.6	21.8	20.1	5.9	6.6	5.2	4.1	4.5	3.5	2.8
84°	11.1	13.0	16.3	15.2	4.8	5.1	3.7	2.8	3.6	2.8	1.9
85°	8.6	9.8	12.8	11.8	2.8	3.9	2.2	2.2	1.9	1.2	0.0
86°	7.2	7.6	9.5	8.9	2.4	2.7	2.0	1.5	0.9	0.0	0.0
87°	5.7	6.5	7.7	6.8	1.1	1.6	0.0	0.0	0.0	0.0	0.0
88°	4.2	5.6	5.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89°	3.1	4.1	4.7	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P851822
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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	2.3	2.9	3.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	1.4	2.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	1.9	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	0.9	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: P851822
 CATALOG NUMBER: RLFRC6FS-2700K

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	1.0	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	0.9
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	1.1	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	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.9	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	0.9	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	1.2	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	0.9	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	0.9	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: P851822
CATALOG NUMBER: RLFRC6FS-2700K

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: P851822
 CATALOG NUMBER: RLFRC6FS-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	533.4	533.4	533.4	533.4	533.4	533.4
1°	532.7	533.4	533.2	533.7	534.2	533.6
2°	531.6	533.2	533.4	533.6	534.2	533.8
3°	530.0	532.7	532.7	533.6	534.4	534.0
4°	528.7	532.3	531.9	533.0	534.0	534.1
5°	526.8	530.9	531.2	532.2	533.7	533.5
6°	525.0	530.3	530.1	531.5	532.6	532.8
7°	522.6	528.9	529.0	530.6	532.5	531.5
8°	520.2	527.8	527.6	529.1	531.3	530.6
9°	517.9	525.6	525.9	527.6	529.7	529.4
10°	514.4	523.9	524.3	526.1	528.4	527.7
11°	511.5	521.9	522.3	524.1	526.7	526.0
12°	508.6	519.5	519.8	522.1	525.1	524.1
13°	505.1	516.9	517.2	519.8	522.7	522.0
14°	501.4	514.3	514.8	517.5	520.4	519.8
15°	497.6	511.4	511.6	514.7	517.8	517.4
16°	493.7	508.3	508.7	511.6	515.7	514.4
17°	489.5	504.9	505.3	508.7	512.5	511.3
18°	485.0	501.4	501.8	505.8	509.2	508.0
19°	480.7	497.8	497.8	502.0	505.9	504.7
20°	475.2	493.8	494.0	498.4	502.4	501.6
21°	470.4	489.6	490.1	494.3	498.5	497.3
22°	465.7	485.5	485.8	490.7	494.4	493.3
23°	459.9	481.1	481.1	486.0	490.7	489.4
24°	454.4	476.0	476.8	481.5	486.2	485.1
25°	449.3	471.7	472.0	477.0	481.3	480.4
26°	443.1	466.1	466.8	471.8	476.9	475.6
27°	437.0	461.5	461.2	466.8	472.1	470.7
28°	431.0	455.7	456.2	461.5	466.5	465.2
29°	424.2	450.6	450.4	456.5	461.4	459.9
30°	418.1	445.1	445.1	450.5	456.1	454.7
31°	411.8	438.4	439.5	444.6	450.6	449.0
32°	404.6	432.5	432.9	439.2	445.0	442.9
33°	397.5	426.4	427.0	432.6	438.8	436.6
34°	390.8	419.8	420.4	426.6	432.7	430.5
35°	384.1	413.5	413.2	420.6	425.9	424.6
36°	376.2	407.0	407.1	413.9	419.4	417.8
37°	369.9	399.5	400.7	407.1	413.3	410.9
38°	361.5	392.7	393.0	400.3	406.8	404.3
39°	354.7	386.3	386.6	393.5	399.9	397.9
40°	346.8	379.2	379.5	385.9	392.6	390.4
41°	338.6	372.2	372.4	378.9	385.7	383.1
42°	331.2	364.2	365.3	372.2	379.1	376.2
43°	323.0	357.1	357.3	365.0	371.8	368.7
44°	314.5	349.8	350.2	357.9	363.5	360.7



TEST NUMBER: P851822
 CATALOG NUMBER: RLFR6FS-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	305.8	341.8	342.1	349.8	356.3	353.8
46°	296.1	334.6	334.4	342.1	348.6	346.3
47°	286.8	326.4	327.1	334.8	340.8	337.9
48°	276.9	319.0	318.9	326.8	333.5	330.3
49°	267.2	309.8	310.6	318.0	325.4	322.1
50°	257.2	301.1	301.1	309.9	317.4	314.0
51°	245.7	292.3	292.3	301.3	308.7	305.1
52°	235.2	282.5	282.9	291.6	299.3	296.2
53°	224.7	272.5	273.5	282.1	290.3	286.9
54°	214.9	262.5	262.8	272.7	280.0	277.1
55°	203.9	252.8	252.7	262.7	270.4	266.6
56°	193.1	241.5	242.8	251.8	260.3	256.7
57°	183.1	231.6	231.5	241.6	250.3	247.4
58°	172.3	220.9	221.3	230.7	239.1	235.8
59°	162.8	210.9	211.0	220.0	229.5	225.3
60°	152.0	200.5	200.6	209.5	218.8	215.0
61°	142.0	189.5	189.9	199.6	208.6	204.5
62°	130.8	179.1	179.9	188.6	197.4	194.4
63°	121.4	168.1	169.2	178.5	187.0	183.1
64°	110.9	158.3	158.5	168.5	176.9	173.4
65°	102.2	147.7	148.2	158.4	166.0	162.2
66°	92.6	138.4	138.5	148.1	155.7	152.1
67°	83.7	128.0	128.0	137.4	145.8	142.1
68°	74.9	118.0	118.0	127.8	136.3	132.4
69°	66.1	108.3	108.1	118.2	125.5	121.7
70°	57.0	99.5	98.8	107.6	115.6	112.2
71°	49.5	89.0	89.9	98.7	105.6	103.0
72°	42.5	81.0	80.5	89.1	95.9	93.5
73°	35.9	71.6	72.0	80.2	86.9	84.6
74°	28.8	62.7	63.7	70.2	78.1	75.4
75°	23.1	54.8	55.3	62.3	69.4	66.6
76°	18.0	47.4	46.8	54.2	60.2	57.4
77°	13.6	40.0	39.9	47.1	52.4	50.0
78°	10.5	33.8	33.3	38.7	45.3	42.6
79°	8.9	26.5	26.6	32.5	37.6	36.2
80°	6.5	21.0	21.0	26.2	31.3	29.8
81°	5.1	16.0	16.5	20.4	24.5	23.5
82°	4.2	12.0	13.0	16.0	20.0	18.6
83°	2.6	8.7	9.7	12.4	15.6	14.9
84°	1.5	7.5	7.4	9.4	11.5	11.1
85°	0.0	6.1	6.4	7.4	9.1	8.6
86°	0.0	4.3	5.2	6.0	7.4	7.2
87°	0.0	3.7	3.6	5.0	6.3	5.7
88°	0.0	2.4	2.7	3.9	4.7	4.2
89°	0.0	1.3	1.5	2.6	3.8	3.1



TEST NUMBER: P851822
 CATALOG NUMBER: RLFRC6FS-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	1.4	2.9	2.3
91°	0.0	0.0	0.0	0.0	1.3	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: P851822
 CATALOG NUMBER: RLFRC6FS-2700K

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°	0.9	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	0.9	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	0.9
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°	0.9	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°	1.0	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	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: P851822
CATALOG NUMBER: RLFRC6FS-2700K

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)