

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: P851824

Luminaire Tested: RLFRC6FS-3500K

Issue Date: 7/3/2024

Test Information

Test Method: LM-79-2019
Report Number: P851824
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-3500K
Description: 6" Fire Rated Canless, 3500K CCT 1100lms,WH
Light Source: -
Ballast/Driver:

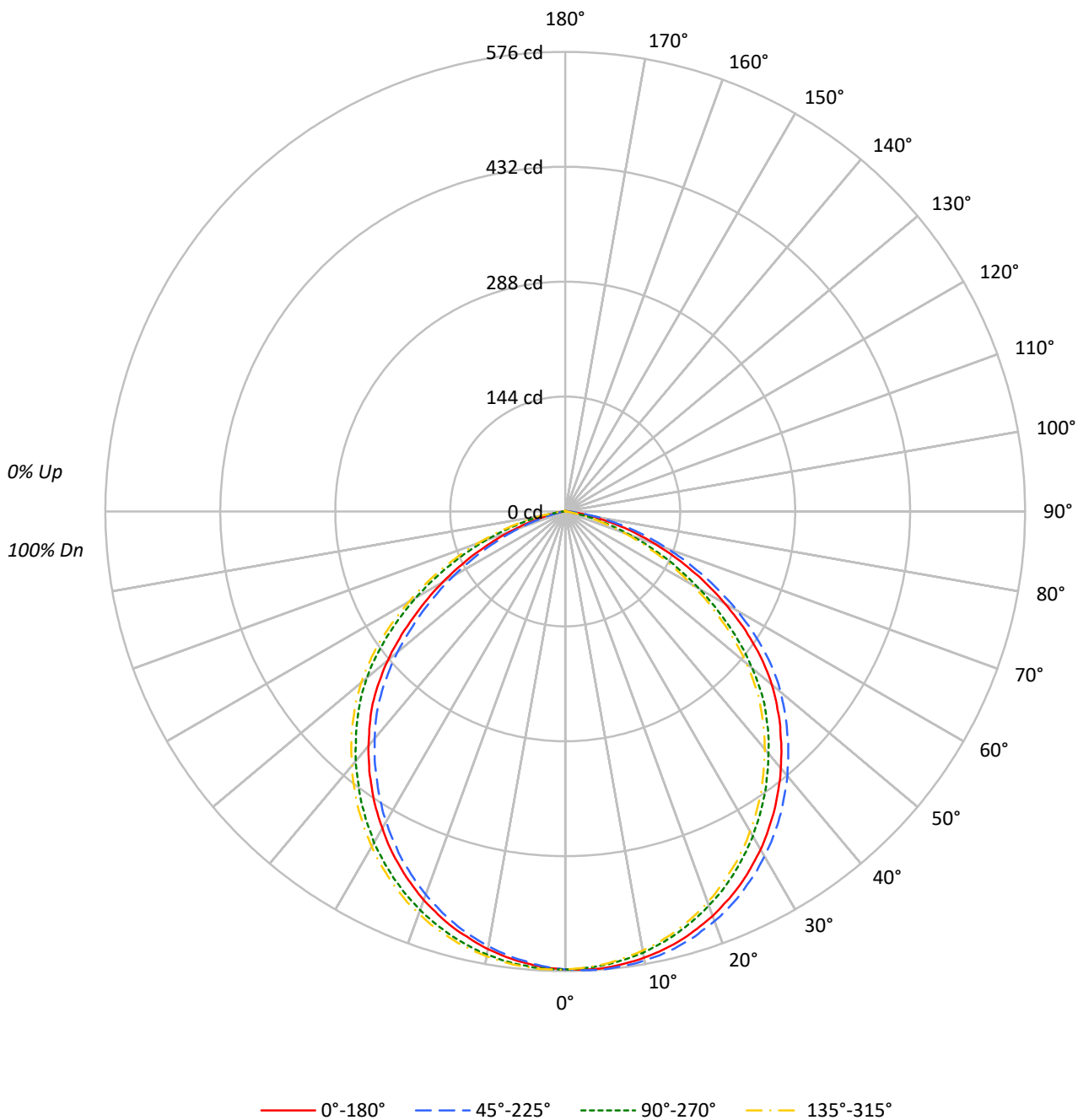
Summary

Lumens per Lamp: 1404.8 (1 lamp)
Luminaire Lumens: 1441.0 lumens
Efficiency: 102.6%
Efficacy: 110.0 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: P851824
CATALOG NUMBER: RLFR6FS-3500K

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	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	122	122	122	122	119	119	119	119	114	114	114	109	109	109	105	105	105	103				103
1	113	108	104	101	110	106	103	99	102	99	96	98	95	93	94	92	91				88	
2	103	96	89	84	101	94	88	83	90	85	81	87	83	79	84	80	77				75	
3	95	84	77	70	92	83	76	70	80	74	69	77	72	67	75	70	66				64	
4	87	75	67	60	85	74	66	60	71	64	59	69	63	58	67	62	57				55	
5	80	67	59	52	78	66	58	52	64	57	51	62	56	51	60	55	50				48	
6	74	61	52	46	72	60	52	46	58	51	45	56	50	45	55	49	44				42	
7	69	55	47	41	67	54	46	40	53	45	40	51	45	40	50	44	39				38	
8	64	51	42	36	62	50	42	36	48	41	36	47	41	36	46	40	35				34	
9	60	46	38	33	58	46	38	33	45	37	32	44	37	32	43	37	32				30	
10	56	43	35	30	55	42	35	30	41	34	29	40	34	29	39	34	29				27	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	72250	72250	72250	72250
5°	72526	72046	71781	72185
10°	72573	71755	71192	72061
15°	72545	71190	70395	71698
20°	72294	70405	69387	71169
25°	71791	69499	68083	70499
30°	71104	68314	66556	69608
35°	70195	66831	64895	68367
40°	69033	65041	63003	67045
45°	67774	63182	60708	65478
50°	66157	59872	56680	63435
55°	62949	55007	51145	59702
60°	58243	48905	44400	54292
65°	51993	41482	36449	47318
70°	44413	32123	26788	39372
75°	34864	20617	16046	28689
80°	23192	9277	7320	16379
85°	13429	4332	3032	9530

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 70017 cd/sqm



TEST NUMBER: P851824
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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	54.2	3.8	3.9
10°-20°	154.7	10.7	11.0
20°-30°	232.1	16.1	16.5
30°-40°	275.0	19.1	19.6
40°-50°	277.9	19.3	19.8
50°-60°	232.6	16.1	16.6
60°-70°	148.1	10.3	10.5
70°-80°	57.8	4.0	4.1
80°-90°	8.4	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°	441.0	30.6	31.4
0°-40°	716.0	49.7	51.0
0°-60°	1226.5	85.1	87.3
0°-90°	1440.8	100.0	102.6
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°	1441.0	100.0	102.6

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	574	574	574	574	574	
5°	574	570	568	571	574	55
15°	557	546	540	550	557	157
25°	517	500	490	508	517	238
35°	457	435	422	445	457	286
45°	381	355	341	368	381	293
55°	287	251	233	272	287	256
65°	175	139	122	159	175	173
75°	72	42	33	59	72	77
85°	9	3	2	7	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	



TEST NUMBER: P851824
 CATALOG NUMBER: RLFRC6FS-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	574.1	574.1	574.1	574.1	574.1	574.1	574.1	574.1	574.1	574.1	574.1
1°	574.2	574.7	574.7	574.8	573.8	573.8	573.4	573.8	573.1	573.3	572.9
2°	574.5	575.4	575.3	575.5	573.1	573.3	572.6	572.7	572.6	572.0	571.8
3°	574.7	575.3	575.8	575.9	572.4	572.6	571.8	571.4	571.1	570.6	570.2
4°	574.8	575.3	575.9	576.0	571.6	571.3	570.7	569.9	569.9	569.3	568.5
5°	574.1	575.1	576.0	575.7	570.3	570.1	569.5	568.3	568.2	567.4	566.0
6°	573.4	574.7	575.3	575.4	569.2	568.7	567.6	566.3	566.5	565.6	564.1
7°	572.0	573.5	574.5	574.3	567.3	567.6	565.9	564.3	564.4	563.1	561.9
8°	571.0	572.8	573.9	573.8	565.7	565.8	563.1	562.3	562.2	560.6	559.2
9°	569.7	571.5	573.0	573.0	563.5	563.0	561.4	559.8	559.5	558.3	556.5
10°	567.9	569.6	571.5	571.9	561.5	560.4	558.8	556.7	557.1	554.9	553.5
11°	566.0	568.2	570.1	570.1	558.8	558.4	555.9	554.1	553.9	552.3	550.1
12°	564.0	566.2	568.6	568.1	555.8	555.8	553.4	551.2	550.7	549.3	546.5
13°	561.8	564.4	566.7	566.2	553.1	552.7	549.7	547.3	547.0	545.2	542.9
14°	559.4	561.7	564.6	564.0	549.8	549.7	546.7	543.3	544.0	541.3	539.1
15°	556.8	558.9	561.8	561.6	546.4	546.1	542.7	540.0	540.3	537.6	534.8
16°	553.6	556.3	559.4	558.9	542.5	542.3	538.9	536.0	536.2	533.6	530.3
17°	550.3	553.5	556.7	556.1	538.6	538.8	535.0	531.0	532.1	528.9	526.0
18°	546.7	550.4	553.0	552.7	534.5	534.7	530.6	527.1	527.1	524.0	520.9
19°	543.2	546.9	549.8	549.3	530.5	530.1	525.9	522.0	522.8	519.7	516.0
20°	539.8	542.8	546.6	545.9	525.7	525.8	521.3	517.0	518.1	514.7	511.0
21°	535.2	538.9	543.1	542.0	521.1	520.8	516.6	512.4	513.1	508.8	505.2
22°	530.8	534.8	538.6	538.7	516.6	515.9	511.1	506.7	507.4	503.6	499.8
23°	526.7	530.7	534.7	533.9	511.4	511.5	505.5	501.6	502.1	498.2	494.0
24°	522.1	525.9	530.4	529.4	505.9	505.4	499.6	495.7	496.4	492.4	487.9
25°	517.0	521.1	525.7	524.9	500.5	499.8	494.4	489.8	490.3	486.1	482.4
26°	511.8	516.0	520.3	520.1	494.7	494.3	488.9	483.8	484.7	480.3	476.1
27°	506.5	511.3	515.6	515.4	488.5	488.0	482.2	477.8	478.5	474.1	468.5
28°	500.6	505.0	510.8	509.7	482.5	482.0	476.6	471.4	472.2	467.1	462.7
29°	494.9	500.3	504.5	504.7	476.3	475.8	469.9	464.5	465.3	460.3	455.9
30°	489.3	494.4	499.2	498.4	470.1	469.6	462.8	457.4	458.0	453.1	448.2
31°	483.2	487.8	493.4	492.5	462.7	462.5	456.2	450.7	451.6	445.9	442.2
32°	476.7	481.7	487.5	486.7	456.3	455.5	449.3	443.3	444.6	439.4	434.2
33°	469.9	475.6	480.9	480.7	449.3	448.9	442.3	436.4	437.8	432.1	427.0
34°	463.3	469.4	474.7	474.5	441.9	441.8	435.4	429.1	430.1	424.6	419.1
35°	456.9	462.2	468.1	467.2	435.0	434.4	428.0	421.3	422.4	416.9	411.0
36°	449.6	455.2	461.7	460.5	427.7	427.4	420.0	413.8	414.9	408.8	403.5
37°	442.2	447.9	454.0	454.1	419.6	419.7	412.4	405.8	407.6	401.7	396.3
38°	435.0	441.1	447.0	446.1	411.9	411.6	404.3	398.5	399.2	393.5	387.8
39°	428.2	433.2	440.4	439.3	404.1	404.5	396.7	390.2	391.6	385.9	379.3
40°	420.2	426.1	432.9	432.1	395.9	396.1	389.0	382.2	383.5	377.2	371.1
41°	412.3	418.7	424.9	424.3	388.5	388.5	380.7	373.8	374.5	369.4	363.2
42°	404.9	410.3	417.3	416.8	380.6	380.0	372.1	365.3	366.7	360.5	354.7
43°	396.8	402.6	409.5	409.3	372.2	371.1	363.6	357.3	358.0	351.8	346.3
44°	388.2	394.8	402.4	401.6	363.3	363.3	355.1	348.6	350.1	343.3	337.0



TEST NUMBER: P851824
 CATALOG NUMBER: RLFRC6FS-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	380.8	387.2	393.1	393.4	355.0	354.2	346.2	339.3	341.1	334.4	326.7
46°	372.7	378.4	385.8	385.1	346.7	346.0	337.8	329.3	331.3	324.7	317.0
47°	363.7	370.4	377.7	377.0	337.1	336.4	327.9	319.6	321.6	313.9	306.2
48°	355.5	362.1	368.9	368.2	326.6	326.7	316.9	309.3	310.5	303.7	295.8
49°	346.7	353.0	360.5	360.1	316.6	316.8	307.3	298.1	300.8	293.3	285.5
50°	337.9	343.9	352.4	351.4	305.8	305.4	295.9	287.7	289.5	281.5	274.2
51°	328.4	335.6	343.7	342.8	295.4	295.8	285.9	277.0	279.3	270.4	262.5
52°	318.8	326.1	334.0	333.9	285.0	285.0	274.3	265.1	266.9	260.0	251.0
53°	308.7	315.7	324.4	323.6	273.2	273.2	262.7	253.8	256.4	247.7	239.0
54°	298.3	305.5	314.8	313.3	262.2	262.1	251.9	241.6	244.3	236.1	228.9
55°	286.9	295.0	303.7	303.1	250.7	250.9	239.9	230.6	233.1	225.2	217.1
56°	276.3	284.6	293.3	291.3	238.8	239.1	228.1	220.4	221.7	214.3	205.6
57°	266.2	272.7	282.2	281.2	227.8	227.0	217.7	208.5	210.5	203.1	194.0
58°	253.7	262.1	271.8	270.4	216.5	216.1	206.9	197.0	199.4	190.8	183.9
59°	242.5	251.3	259.5	258.9	205.4	205.8	194.4	185.3	188.4	179.9	172.3
60°	231.4	238.8	248.5	247.3	194.3	194.2	183.8	174.0	176.4	168.7	161.0
61°	220.1	227.5	237.7	236.1	182.9	182.1	171.6	162.8	165.7	158.1	151.0
62°	209.2	216.2	225.2	225.2	171.1	171.4	160.7	153.1	155.3	147.0	139.0
63°	197.0	205.8	214.2	213.7	160.0	159.7	150.0	141.4	143.6	136.1	128.4
64°	186.6	194.0	202.7	201.7	150.7	150.4	139.4	130.4	133.7	125.3	118.7
65°	174.6	182.9	192.4	190.8	139.3	138.5	129.2	119.7	122.4	115.2	107.6
66°	163.7	172.4	180.0	179.8	128.5	128.5	117.4	108.9	111.3	104.1	97.4
67°	153.0	160.1	169.5	167.9	117.5	116.4	108.2	99.6	102.0	95.1	88.1
68°	142.5	149.0	158.7	157.4	106.7	107.1	97.3	89.2	91.7	85.8	78.4
69°	131.0	139.3	147.7	146.5	97.4	96.5	88.2	80.4	82.8	75.8	69.4
70°	120.7	128.6	136.5	135.7	87.3	87.5	78.7	71.3	72.8	66.2	59.8
71°	110.8	119.0	127.0	124.6	78.1	77.8	69.5	60.9	63.5	57.4	51.7
72°	100.6	107.5	116.5	114.8	69.3	68.4	59.5	53.2	55.5	49.6	44.4
73°	91.1	98.0	106.4	104.2	58.8	59.6	51.0	44.8	47.2	41.7	37.0
74°	81.1	88.3	95.7	94.0	50.1	51.4	43.4	39.1	39.6	35.0	30.1
75°	71.7	78.4	86.0	84.0	42.4	42.8	36.8	30.8	33.0	28.6	23.9
76°	61.8	69.1	76.7	75.1	34.9	36.0	30.0	25.2	26.6	22.2	18.5
77°	53.8	60.3	66.8	66.5	28.4	29.0	23.6	19.1	21.2	17.9	14.4
78°	45.9	52.5	58.4	56.7	21.6	22.8	18.4	15.1	16.0	13.1	10.8
79°	38.9	44.0	50.7	49.0	16.3	17.6	13.8	11.9	12.2	9.9	8.5
80°	32.0	37.3	43.3	41.7	12.8	13.3	10.8	8.6	10.1	8.0	6.1
81°	25.3	30.8	35.4	34.4	9.3	9.3	7.6	7.9	8.3	6.7	6.0
82°	20.0	24.9	29.1	28.0	6.6	8.3	6.2	6.0	6.6	4.1	3.9
83°	16.0	18.9	23.4	21.7	6.4	7.1	5.6	4.4	4.8	3.8	3.0
84°	11.9	14.0	17.5	16.3	5.1	5.5	4.0	3.0	3.9	3.0	2.1
85°	9.3	10.6	13.7	12.7	3.0	4.2	2.4	2.3	2.1	1.3	0.0
86°	7.7	8.2	10.2	9.6	2.5	2.9	2.2	1.6	1.0	0.0	0.0
87°	6.2	7.0	8.3	7.3	1.2	1.7	0.0	0.0	0.0	0.0	0.0
88°	4.6	6.0	5.6	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89°	3.3	4.4	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P851824
 CATALOG NUMBER: RLFRC6FS-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	2.5	3.1	3.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	1.5	2.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	2.1	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: P851824
 CATALOG NUMBER: RLFRC6FS-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	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	1.2	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	1.0	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	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: P851824
CATALOG NUMBER: RLFRC6FS-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: P851824
 CATALOG NUMBER: RLFRC6FS-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	574.1	574.1	574.1	574.1	574.1	574.1
1°	573.3	574.1	573.8	574.4	574.8	574.2
2°	572.1	573.8	574.0	574.2	574.9	574.5
3°	570.4	573.3	573.3	574.3	575.1	574.7
4°	569.0	572.8	572.4	573.6	574.7	574.8
5°	567.0	571.4	571.7	572.7	574.3	574.1
6°	565.0	570.7	570.4	572.0	573.1	573.4
7°	562.4	569.2	569.3	571.0	573.1	572.0
8°	559.9	568.0	567.8	569.5	571.8	571.0
9°	557.4	565.6	565.9	567.8	570.1	569.7
10°	553.6	563.9	564.3	566.2	568.6	567.9
11°	550.5	561.7	562.0	564.1	566.8	566.0
12°	547.3	559.1	559.4	561.9	565.1	564.0
13°	543.6	556.3	556.6	559.4	562.5	561.8
14°	539.6	553.5	554.0	557.0	560.1	559.4
15°	535.5	550.3	550.5	553.9	557.2	556.8
16°	531.3	547.0	547.5	550.6	555.0	553.6
17°	526.8	543.3	543.7	547.5	551.5	550.3
18°	521.9	539.6	540.1	544.3	548.0	546.7
19°	517.3	535.7	535.7	540.2	544.4	543.2
20°	511.4	531.4	531.6	536.4	540.6	539.8
21°	506.3	526.8	527.5	532.0	536.4	535.2
22°	501.1	522.4	522.8	528.1	532.1	530.8
23°	495.0	517.8	517.8	523.0	528.1	526.7
24°	489.1	512.3	513.2	518.2	523.2	522.1
25°	483.5	507.7	508.0	513.4	518.0	517.0
26°	476.8	501.6	502.3	507.7	513.2	511.8
27°	470.3	496.6	496.4	502.3	508.1	506.5
28°	463.8	490.4	490.9	496.7	502.1	500.6
29°	456.5	485.0	484.7	491.2	496.6	494.9
30°	449.9	479.0	479.0	484.8	490.9	489.3
31°	443.2	471.8	473.0	478.5	484.9	483.2
32°	435.5	465.4	465.9	472.6	478.9	476.7
33°	427.8	458.9	459.5	465.5	472.3	469.9
34°	420.6	451.8	452.4	459.1	465.6	463.3
35°	413.4	445.0	444.7	452.6	458.4	456.9
36°	404.9	438.0	438.1	445.4	451.4	449.6
37°	398.1	429.9	431.2	438.1	444.8	442.2
38°	389.0	422.6	423.0	430.8	437.8	435.0
39°	381.7	415.7	416.1	423.5	430.3	428.2
40°	373.2	408.1	408.4	415.3	422.5	420.2
41°	364.4	400.6	400.8	407.8	415.1	412.3
42°	356.5	391.9	393.1	400.6	408.0	404.9
43°	347.6	384.3	384.5	392.8	400.1	396.8
44°	338.4	376.5	376.9	385.2	391.2	388.2



TEST NUMBER: P851824
 CATALOG NUMBER: RLFRC6FS-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	329.1	367.9	368.2	376.5	383.4	380.8
46°	318.7	360.1	359.9	368.1	375.1	372.7
47°	308.6	351.3	352.0	360.4	366.8	363.7
48°	298.0	343.3	343.2	351.7	358.9	355.5
49°	287.6	333.4	334.3	342.2	350.2	346.7
50°	276.8	324.0	324.0	333.5	341.5	337.9
51°	264.5	314.5	314.6	324.3	332.2	328.4
52°	253.1	304.1	304.4	313.8	322.1	318.8
53°	241.8	293.3	294.3	303.6	312.4	308.7
54°	231.3	282.5	282.8	293.5	301.4	298.3
55°	219.4	272.1	272.0	282.7	291.0	286.9
56°	207.9	259.9	261.3	270.9	280.1	276.3
57°	197.1	249.3	249.2	260.0	269.4	266.2
58°	185.4	237.7	238.2	248.2	257.4	253.7
59°	175.2	227.0	227.1	236.8	247.0	242.5
60°	163.5	215.7	215.9	225.5	235.5	231.4
61°	152.8	203.9	204.4	214.8	224.5	220.1
62°	140.7	192.7	193.6	203.0	212.4	209.2
63°	130.6	180.9	182.1	192.1	201.3	197.0
64°	119.4	170.4	170.6	181.3	190.4	186.6
65°	110.0	158.9	159.4	170.5	178.6	174.6
66°	99.7	149.0	149.1	159.4	167.6	163.7
67°	90.1	137.7	137.7	147.9	157.0	153.0
68°	80.6	127.0	127.0	137.5	146.7	142.5
69°	71.1	116.6	116.3	127.2	135.0	131.0
70°	61.3	107.0	106.3	115.7	124.4	120.7
71°	53.3	95.8	96.8	106.2	113.7	110.8
72°	45.8	87.2	86.6	95.8	103.2	100.6
73°	38.7	77.0	77.4	86.3	93.5	91.1
74°	31.0	67.5	68.6	75.5	84.0	81.1
75°	24.9	59.0	59.5	67.0	74.6	71.7
76°	19.4	51.0	50.3	58.4	64.8	61.8
77°	14.6	43.1	43.0	50.6	56.4	53.8
78°	11.3	36.4	35.9	41.7	48.7	45.9
79°	9.6	28.5	28.7	35.0	40.5	38.9
80°	7.0	22.6	22.6	28.2	33.7	32.0
81°	5.5	17.2	17.7	21.9	26.4	25.3
82°	4.6	12.9	13.9	17.2	21.6	20.0
83°	2.8	9.4	10.4	13.3	16.8	16.0
84°	1.6	8.1	8.0	10.1	12.4	11.9
85°	0.0	6.6	6.9	8.0	9.8	9.3
86°	0.0	4.6	5.6	6.5	8.0	7.7
87°	0.0	4.0	3.9	5.4	6.7	6.2
88°	0.0	2.6	2.9	4.2	5.1	4.6
89°	0.0	1.4	1.6	2.8	4.1	3.3



TEST NUMBER: P851824
 CATALOG NUMBER: RLFRC6FS-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	1.5	3.1	2.5
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: P851824
 CATALOG NUMBER: RLFRC6FS-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°	1.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	1.0	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	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	1.0	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°	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	1.0	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: P851824
CATALOG NUMBER: RLFRC6FS-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)