

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: P851826

Luminaire Tested: RLFRC6FS-5000K

Issue Date: 7/3/2024

Test Information

Test Method: LM-79-2019
Report Number: P851826
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-5000K
Description: 6" Fire Rated Canless, 5000K CCT 1100lms,WH
Light Source: -
Ballast/Driver:

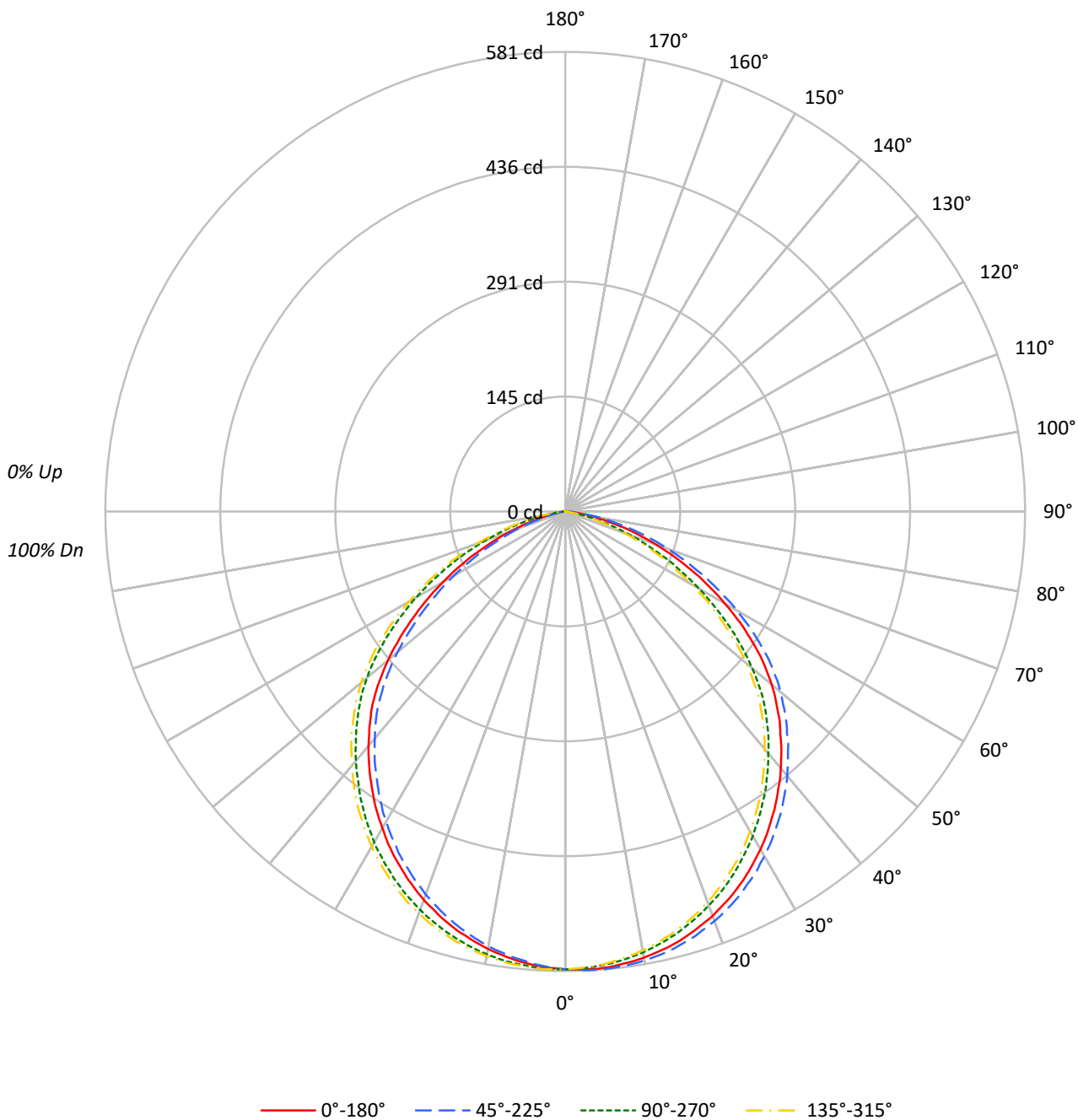
Summary

Lumens per Lamp: 1404.8 (1 lamp)
Luminaire Lumens: 1453.0 lumens
Efficiency: 103.4%
Efficacy: 110.9 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: P851826
CATALOG NUMBER: RLFR66FS-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P851826
 CATALOG NUMBER: RLFRC6FS-5000K

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
RCR																				
0	123	123	123	123	120	120	120	120	115	115	115	110	110	110	106	106	106	103		
1	114	109	105	102	111	107	103	100	103	100	97	99	96	94	95	93	91	89		
2	104	96	90	84	102	94	88	83	91	86	81	87	83	80	84	81	78	76		
3	95	85	77	71	93	84	76	70	81	74	69	78	72	68	75	71	67	65		
4	88	76	67	61	85	75	66	60	72	65	59	70	64	59	67	62	58	56		
5	81	68	59	53	79	67	59	52	65	57	52	63	56	51	61	55	51	49		
6	75	61	52	46	73	60	52	46	59	51	45	57	50	45	55	49	45	43		
7	69	56	47	41	68	55	47	41	53	46	40	52	45	40	51	44	40	38		
8	65	51	42	37	63	50	42	36	49	41	36	48	41	36	46	40	36	34		
9	60	47	39	33	59	46	38	33	45	38	33	44	37	33	43	37	32	30		
10	57	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	29	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	72854	72854	72854	72854
5°	73133	72640	72375	72779
10°	73173	72355	71780	72662
15°	73157	71776	70982	72298
20°	72896	70994	69963	71771
25°	72388	70083	68652	71082
30°	71700	68881	67108	70189
35°	70779	67399	65433	68936
40°	69608	65583	63529	67603
45°	68344	63716	61225	66012
50°	66705	60361	57150	63964
55°	63476	55467	51562	60185
60°	58722	49333	44752	54745
65°	52410	41839	36747	47735
70°	44781	32380	27008	39703
75°	35156	20763	16192	28932
80°	23409	9349	7392	16524
85°	13429	4476	3032	9530

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 70604 cd/sqm



TEST NUMBER: P851826
 CATALOG NUMBER: RLFRC6FS-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	54.7	3.8	3.9
10°-20°	156.0	10.7	11.1
20°-30°	234.0	16.1	16.7
30°-40°	277.3	19.1	19.7
40°-50°	280.2	19.3	19.9
50°-60°	234.6	16.1	16.7
60°-70°	149.4	10.3	10.6
70°-80°	58.3	4.0	4.1
80°-90°	8.5	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°	444.6	30.6	31.7
0°-40°	722.0	49.7	51.4
0°-60°	1236.7	85.1	88.0
0°-90°	1452.8	100.0	103.4
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°	1453.0	100.0	103.4

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	579	579	579	579	579	
5°	579	575	573	576	579	55
15°	562	551	545	555	562	158
25°	521	505	494	512	521	240
35°	461	439	426	449	461	288
45°	384	358	344	371	384	296
55°	289	253	235	274	289	258
65°	176	140	123	160	176	175
75°	72	43	33	60	72	78
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: P851826
 CATALOG NUMBER: RLFRC6FS-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	578.9	578.9	578.9	578.9	578.9	578.9	578.9	578.9	578.9	578.9	578.9
1°	579.0	579.5	579.4	579.6	578.6	578.6	578.2	578.6	577.8	578.1	577.7
2°	579.2	580.2	580.1	580.3	577.9	578.1	577.3	577.4	577.3	576.8	576.6
3°	579.5	580.1	580.6	580.7	577.1	577.3	576.6	576.2	575.9	575.3	574.9
4°	579.6	580.1	580.7	580.8	576.3	576.1	575.5	574.7	574.7	574.1	573.2
5°	578.9	579.9	580.8	580.5	575.0	574.8	574.3	573.0	572.9	572.1	570.7
6°	578.2	579.5	580.1	580.2	573.9	573.4	572.3	571.0	571.3	570.3	568.8
7°	576.8	578.3	579.3	579.1	572.1	572.3	570.6	569.0	569.1	567.8	566.6
8°	575.7	577.6	578.6	578.5	570.4	570.5	567.8	567.0	566.8	565.3	563.8
9°	574.5	576.3	577.8	577.8	568.2	567.7	566.1	564.5	564.2	563.0	561.1
10°	572.6	574.4	576.3	576.6	566.2	565.1	563.5	561.4	561.7	559.5	558.2
11°	570.7	572.9	574.8	574.8	563.5	563.0	560.5	558.7	558.5	556.9	554.7
12°	568.7	571.0	573.3	572.8	560.4	560.4	558.0	555.8	555.3	553.8	551.0
13°	566.5	569.1	571.4	570.9	557.7	557.3	554.3	551.9	551.6	549.8	547.4
14°	564.1	566.3	569.3	568.7	554.4	554.2	551.3	547.9	548.5	545.8	543.6
15°	561.5	563.6	566.5	566.3	550.9	550.7	547.2	544.5	544.8	542.1	539.2
16°	558.2	560.9	564.1	563.6	547.0	546.9	543.3	540.5	540.6	538.0	534.7
17°	554.8	558.1	561.3	560.8	543.1	543.3	539.4	535.4	536.6	533.3	530.3
18°	551.3	555.0	557.6	557.3	539.0	539.2	535.0	531.4	531.5	528.3	525.2
19°	547.7	551.4	554.4	553.9	534.9	534.5	530.2	526.4	527.1	524.0	520.2
20°	544.3	547.3	551.2	550.4	530.1	530.1	525.6	521.3	522.4	519.0	515.3
21°	539.6	543.4	547.6	546.5	525.5	525.1	520.9	516.6	517.4	513.0	509.4
22°	535.3	539.2	543.1	543.2	520.9	520.2	515.3	510.9	511.6	507.8	504.0
23°	531.1	535.1	539.2	538.3	515.7	515.7	509.7	505.8	506.3	502.3	498.1
24°	526.4	530.2	534.8	533.8	510.1	509.6	503.8	499.8	500.5	496.5	492.0
25°	521.3	525.4	530.1	529.2	504.7	504.0	498.5	493.8	494.4	490.2	486.4
26°	516.1	520.3	524.6	524.5	498.9	498.5	492.9	487.9	488.8	484.3	480.1
27°	510.7	515.5	519.9	519.7	492.5	492.1	486.3	481.8	482.5	478.1	472.4
28°	504.8	509.2	515.1	513.9	486.5	486.1	480.5	475.3	476.1	471.0	466.5
29°	499.0	504.5	508.7	508.9	480.3	479.8	473.8	468.3	469.2	464.1	459.7
30°	493.4	498.6	503.3	502.5	474.0	473.5	466.7	461.2	461.8	456.9	452.0
31°	487.2	491.9	497.5	496.6	466.6	466.4	460.0	454.5	455.4	449.6	445.9
32°	480.7	485.7	491.5	490.8	460.1	459.3	453.0	447.0	448.3	443.1	437.9
33°	473.8	479.6	484.9	484.8	453.0	452.6	446.0	440.0	441.4	435.7	430.5
34°	467.1	473.3	478.7	478.5	445.6	445.4	439.0	432.7	433.7	428.1	422.6
35°	460.7	466.1	472.0	471.1	438.7	438.1	431.6	424.8	425.9	420.4	414.4
36°	453.3	459.0	465.6	464.3	431.2	431.0	423.5	417.2	418.3	412.2	406.9
37°	445.9	451.6	457.8	457.9	423.1	423.2	415.8	409.2	411.0	405.1	399.6
38°	438.7	444.8	450.8	449.8	415.4	415.0	407.7	401.8	402.5	396.8	391.1
39°	431.8	436.9	444.1	442.9	407.4	407.9	400.0	393.4	394.8	389.1	382.4
40°	423.7	429.7	436.5	435.7	399.2	399.4	392.3	385.3	386.7	380.3	374.2
41°	415.7	422.2	428.5	427.9	391.7	391.8	383.9	376.9	377.7	372.5	366.2
42°	408.2	413.7	420.8	420.3	383.8	383.1	375.2	368.3	369.8	363.5	357.7
43°	400.1	406.0	412.9	412.7	375.3	374.2	366.6	360.3	361.0	354.7	349.2
44°	391.4	398.1	405.7	404.9	366.4	366.3	358.0	351.5	353.0	346.2	339.8



TEST NUMBER: P851826
 CATALOG NUMBER: RLFRC6FS-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	384.0	390.5	396.4	396.7	358.0	357.2	349.1	342.1	344.0	337.2	329.5
46°	375.8	381.5	389.0	388.3	349.5	348.9	340.6	332.0	334.0	327.4	319.6
47°	366.7	373.5	380.8	380.2	339.9	339.2	330.6	322.2	324.3	316.5	308.7
48°	358.4	365.1	372.0	371.2	329.4	329.4	319.6	311.8	313.1	306.2	298.3
49°	349.6	355.9	363.5	363.1	319.2	319.5	309.9	300.6	303.3	295.8	287.9
50°	340.7	346.8	355.4	354.3	308.3	307.9	298.4	290.1	291.9	283.9	276.5
51°	331.1	338.4	346.6	345.6	297.9	298.3	288.3	279.3	281.6	272.7	264.6
52°	321.5	328.8	336.8	336.7	287.4	287.4	276.6	267.3	269.1	262.2	253.1
53°	311.3	318.4	327.1	326.3	275.4	275.4	264.9	255.9	258.5	249.7	241.0
54°	300.7	308.0	317.4	315.9	264.4	264.3	254.0	243.6	246.4	238.1	230.8
55°	289.3	297.5	306.2	305.6	252.8	253.0	241.9	232.5	235.0	227.0	218.9
56°	278.6	287.0	295.7	293.7	240.8	241.1	230.0	222.3	223.5	216.0	207.3
57°	268.4	275.0	284.5	283.6	229.7	228.9	219.5	210.2	212.3	204.8	195.6
58°	255.8	264.2	274.1	272.7	218.3	217.9	208.7	198.7	201.1	192.4	185.4
59°	244.5	253.4	261.7	261.1	207.1	207.6	196.1	186.9	189.9	181.4	173.7
60°	233.3	240.8	250.5	249.4	196.0	195.8	185.4	175.4	177.8	170.1	162.4
61°	222.0	229.4	239.6	238.1	184.4	183.7	173.0	164.2	167.1	159.5	152.3
62°	211.0	218.0	227.1	227.1	172.6	172.9	162.1	154.4	156.6	148.2	140.2
63°	198.7	207.5	215.9	215.5	161.4	161.0	151.2	142.6	144.8	137.3	129.4
64°	188.2	195.6	204.4	203.4	152.0	151.7	140.6	131.5	134.8	126.4	119.7
65°	176.0	184.5	194.0	192.4	140.5	139.7	130.3	120.7	123.4	116.1	108.5
66°	165.1	173.8	181.5	181.3	129.6	129.6	118.3	109.8	112.2	105.0	98.2
67°	154.2	161.5	171.0	169.3	118.5	117.4	109.1	100.5	102.8	95.9	88.8
68°	143.7	150.2	160.0	158.7	107.6	108.0	98.1	90.0	92.5	86.5	79.0
69°	132.1	140.5	149.0	147.7	98.2	97.3	88.9	81.0	83.5	76.4	70.0
70°	121.7	129.7	137.6	136.8	88.0	88.3	79.3	71.9	73.4	66.8	60.3
71°	111.7	120.0	128.1	125.6	78.7	78.4	70.0	61.4	64.0	57.9	52.1
72°	101.4	108.4	117.5	115.8	69.8	69.0	59.9	53.6	56.0	50.0	44.8
73°	91.8	98.8	107.3	105.1	59.3	60.1	51.4	45.2	47.5	42.0	37.3
74°	81.8	89.0	96.4	94.8	50.5	51.8	43.7	39.4	39.9	35.3	30.3
75°	72.3	79.1	86.7	84.7	42.7	43.2	37.1	31.1	33.3	28.8	24.1
76°	62.3	69.7	77.3	75.8	35.1	36.3	30.3	25.4	26.8	22.4	18.7
77°	54.2	60.8	67.4	67.1	28.7	29.2	23.8	19.3	21.4	18.0	14.5
78°	46.3	52.9	58.9	57.1	21.8	23.0	18.6	15.2	16.1	13.2	10.9
79°	39.3	44.4	51.2	49.4	16.4	17.8	13.9	12.0	12.3	10.0	8.6
80°	32.3	37.6	43.6	42.0	12.9	13.4	10.9	8.7	10.2	8.0	6.2
81°	25.5	31.0	35.7	34.7	9.4	9.4	7.7	8.0	8.4	6.8	6.0
82°	20.2	25.1	29.3	28.2	6.7	8.4	6.3	6.1	6.6	4.1	4.0
83°	16.1	19.1	23.6	21.8	6.4	7.2	5.7	4.5	4.8	3.8	3.0
84°	12.0	14.2	17.7	16.5	5.2	5.5	4.0	3.0	3.9	3.0	2.1
85°	9.3	10.6	13.9	12.8	3.1	4.2	2.4	2.3	2.1	1.3	0.0
86°	7.8	8.3	10.3	9.7	2.6	2.9	2.2	1.6	1.0	0.0	0.0
87°	6.2	7.1	8.4	7.4	1.2	1.8	0.0	0.0	0.0	0.0	0.0
88°	4.6	6.0	5.7	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89°	3.4	4.5	5.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P851826
 CATALOG NUMBER: RLFRC6FS-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	2.5	3.2	3.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	1.6	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: P851826
 CATALOG NUMBER: RLFR66FS-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	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°	1.1	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: P851826
CATALOG NUMBER: RLFRC6FS-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: P851826
 CATALOG NUMBER: RLFRC6FS-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	578.9	578.9	578.9	578.9	578.9	578.9
1°	578.0	578.9	578.6	579.1	579.6	579.0
2°	576.9	578.6	578.8	579.0	579.7	579.2
3°	575.1	578.1	578.1	579.1	579.9	579.5
4°	573.8	577.6	577.2	578.4	579.5	579.6
5°	571.7	576.1	576.5	577.5	579.1	578.9
6°	569.7	575.4	575.2	576.7	577.9	578.2
7°	567.1	574.0	574.0	575.8	577.8	576.8
8°	564.5	572.7	572.5	574.2	576.6	575.7
9°	562.0	570.3	570.7	572.6	574.8	574.5
10°	558.2	568.6	569.0	570.9	573.3	572.6
11°	555.1	566.4	566.7	568.8	571.5	570.7
12°	551.9	563.8	564.0	566.6	569.8	568.7
13°	548.1	560.9	561.2	564.1	567.2	566.5
14°	544.1	558.1	558.6	561.6	564.7	564.1
15°	540.0	554.9	555.1	558.5	561.8	561.5
16°	535.8	551.6	552.0	555.2	559.6	558.2
17°	531.2	547.9	548.3	552.1	556.1	554.8
18°	526.3	544.1	544.6	548.8	552.5	551.3
19°	521.6	540.2	540.2	544.7	549.0	547.7
20°	515.7	535.9	536.0	540.8	545.1	544.3
21°	510.5	531.2	531.9	536.4	540.9	539.6
22°	505.3	526.8	527.2	532.5	536.5	535.3
23°	499.1	522.1	522.1	527.3	532.5	531.1
24°	493.1	516.6	517.4	522.5	527.6	526.4
25°	487.6	511.9	512.2	517.6	522.3	521.3
26°	480.8	505.8	506.5	511.9	517.5	516.1
27°	474.2	500.8	500.5	506.5	512.3	510.7
28°	467.7	494.5	495.0	500.8	506.2	504.8
29°	460.3	489.0	488.8	495.3	500.7	499.0
30°	453.7	483.0	483.0	488.8	494.9	493.4
31°	446.9	475.8	476.9	482.5	489.0	487.2
32°	439.1	469.3	469.8	476.6	482.9	480.7
33°	431.4	462.7	463.4	469.4	476.2	473.8
34°	424.1	455.6	456.2	463.0	469.5	467.1
35°	416.8	448.7	448.4	456.4	462.2	460.7
36°	408.2	441.7	441.7	449.1	455.1	453.3
37°	401.4	433.5	434.8	441.8	448.5	445.9
38°	392.3	426.1	426.5	434.4	441.4	438.7
39°	384.9	419.2	419.5	427.0	433.9	431.8
40°	376.3	411.5	411.8	418.7	426.1	423.7
41°	367.4	403.9	404.1	411.2	418.5	415.7
42°	359.4	395.2	396.4	403.9	411.4	408.2
43°	350.5	387.5	387.7	396.1	403.4	400.1
44°	341.2	379.6	380.0	388.4	394.4	391.4



TEST NUMBER: P851826
 CATALOG NUMBER: RLFRC6FS-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	331.8	370.9	371.2	379.6	386.6	384.0
46°	321.4	363.1	362.9	371.2	378.3	375.8
47°	311.2	354.2	354.9	363.4	369.9	366.7
48°	300.5	346.2	346.0	354.6	361.9	358.4
49°	290.0	336.1	337.1	345.1	353.2	349.6
50°	279.1	326.7	326.7	336.3	344.4	340.7
51°	266.7	317.2	317.2	327.0	335.0	331.1
52°	255.2	306.6	307.0	316.5	324.8	321.5
53°	243.8	295.7	296.8	306.1	315.0	311.3
54°	233.2	284.9	285.2	295.9	303.9	300.7
55°	221.2	274.3	274.2	285.1	293.4	289.3
56°	209.6	262.1	263.5	273.2	282.4	278.6
57°	198.7	251.3	251.2	262.2	271.6	268.4
58°	186.9	239.7	240.2	250.3	259.5	255.8
59°	176.6	228.9	229.0	238.8	249.1	244.5
60°	164.9	217.5	217.7	227.4	237.5	233.3
61°	154.1	205.6	206.1	216.6	226.3	222.0
62°	141.9	194.3	195.2	204.7	214.2	211.0
63°	131.7	182.4	183.6	193.7	202.9	198.7
64°	120.4	171.8	172.0	182.8	192.0	188.2
65°	110.9	160.3	160.8	171.9	180.1	176.0
66°	100.5	150.2	150.3	160.7	169.0	165.1
67°	90.8	138.9	138.9	149.1	158.3	154.2
68°	81.3	128.0	128.0	138.6	147.9	143.7
69°	71.7	117.5	117.3	128.3	136.2	132.1
70°	61.8	107.9	107.2	116.7	125.4	121.7
71°	53.7	96.6	97.6	107.1	114.6	111.7
72°	46.1	87.9	87.3	96.6	104.1	101.4
73°	39.0	77.7	78.1	87.0	94.3	91.8
74°	31.2	68.1	69.2	76.2	84.7	81.8
75°	25.1	59.5	60.0	67.6	75.3	72.3
76°	19.6	51.4	50.8	58.8	65.3	62.3
77°	14.8	43.4	43.3	51.1	56.9	54.2
78°	11.4	36.7	36.2	42.0	49.2	46.3
79°	9.7	28.8	28.9	35.3	40.8	39.3
80°	7.1	22.8	22.8	28.4	34.0	32.3
81°	5.6	17.4	17.9	22.1	26.6	25.5
82°	4.6	13.0	14.1	17.3	21.7	20.2
83°	2.8	9.5	10.5	13.4	17.0	16.1
84°	1.6	8.2	8.0	10.1	12.5	12.0
85°	0.0	6.6	6.9	8.1	9.9	9.3
86°	0.0	4.6	5.7	6.5	8.0	7.8
87°	0.0	4.0	4.0	5.4	6.8	6.2
88°	0.0	2.6	2.9	4.2	5.1	4.6
89°	0.0	1.4	1.6	2.9	4.1	3.4



TEST NUMBER: P851826
 CATALOG NUMBER: RLFRC6FS-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	1.5	3.2	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: P851826
 CATALOG NUMBER: RLFRC6FS-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°	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	1.1	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	1.1
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: P851826
CATALOG NUMBER: RLFRC6FS-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)